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August 27, 2021

Via Email (apcwestla@lacity.org)

West Los Angeles Area Planning Commission
City of Los Angeles
200 N. Spring Street
Los Angeles, CA 90012

Re: Request for Reconsideration of Determination on Case Nos. ZA-1989-17683-PA2, ENV-2020-1328-CE, ZA-1989-17683-PA2-1A

Honorable Commissioners:

On behalf of Neighbors for A Safe Environment (NASE), a California nonprofit corporation seeking to protect neighborhoods from the impacts of oil drilling and production, we write in follow-up to the appeal hearing regarding the West Pico Drill Site. The intent of this letter is to:

- Identify significant misstatements of information that were presented to the Commission at the August 18, 2021 West LA Area Planning Commission (APC) hearing on NASE's appeal; and
- Request that at the September 1, 2021 APC meeting, you vote to reconsider the NASE appeal because the significant misinformation was material to the central and largest issues in NASE's appeal and was relied upon by the Commission in your deliberations.

This letter identifies the three most consequential pieces of misinformation that were provided to the Commission by the Zoning Administrator (ZA) during the appeal hearing, most of which was presented after the close of the public testimony. To demonstrate the errors, we will contrast the misrepresentations that were made with clear documentation contained within the case file for the West Pico Drill Site. In summary, the three issues we will focus on are:

- **The ZA stated that “no new wells” had been drilled on the West Pico Drill Site since the ZA approval of 2000 (ZA-1989-17683-PAD) and the Settlement Agreement of 2001.** NASE presents in this letter clear

documentation contained in the case file that new wells were drilled in 2005-06 and 2010.

- **The ZA stated that the Settlement Agreement between NASE and the City prevents the alteration of any conditions of approval, including Condition 72, and that NASE was requesting the City rewrite the Settlement Agreement.** This statement is based on a lack of review of the Settlement Agreement. The Settlement Agreement does not enshrine or mention Condition 72 and does not enshrine under court approval all of the conditions set in the 2000 cases. Instead, the Settlement Agreement references only Conditions 77 and 78, which expressly empower the ZA to revise all conditions and impose additional conditions when addressing “neighborhood impacts” and “the efficacy of mitigation measures” and extends the ability to revise conditions to the 5-year reviews required by the Settlement Agreement.
- **The ZA informed the Commission that well conversions are mere reclassifications on paper and “vested rights” that require only the filing of paperwork.** These statements are wholly untrue. Well conversions are construction projects that entail substantial changes to wells below the surface and above the surface. Well conversions have required full review and approval by the ZA as discretionary actions since at least 1955, by the terms of LAMC 13.01.H and 13.01.I.

1. New Wells Were Drilled In 2005-06 and 2010.

One of the largest, clearest, and most consequential untrue statements made by the ZA was his repeated assertion that “no new wells” had been drilled since the 2000 ZA approval in ZA-1989-17683-PAD and the Settlement Agreement. The ZA said this in response to questions from Commissioner Laing about the dates on which new wells were drilled. On the official recording of the hearing, you will find this exchange starting at the 1:58:45 mark. This statement is categorically incorrect, contrary to documentation in the ZA case file, contrary to documentation in the appeal case file, and contrary to knowledge of Planning staff.

First, and simplest of all, on June 19, 2020, the applicant and site operator, PCEC, straightforwardly informed the ZA, the Chief ZA, and the City Attorney that two new wells had been drilled since 2000 without the ZA approval required by LAMC 13.01.H and 13.01.I. PCEC identified the wells as West Pico 58 drilled in 2005-06 and West Pico 59 drilled in 2010.

Below are key excerpts from PCEC’s June 19, 2020 email. Multiple copies of this email from PCEC are in the ZA case file and NASE also submitted copies of this email to the Commission in support of its appeal.



Dylan Sittig <dylan.sittig@lacity.org>

PCEC West Pico Project

Michael Finch <mfinch@energyprojectllc.com>

Fri, Jun 19, 2020 at 4:34 PM

To: Edber Macedo <edber.macedo@lacity.org>

Cc: "Lisa.Webber@lacity.org" <Lisa.Webber@lacity.org>, "Estineh.Mailian@lacity.org" <Estineh.Mailian@lacity.org>, "Vanessa.Soto@lacity.org" <Vanessa.Soto@lacity.org>, "Jennifer.Tobkin@lacity.org" <Jennifer.Tobkin@lacity.org>, Dylan Sittig <dylan.sittig@lacity.org>, Philip Brown <philip.brown@pcedp.com>, "Rick Clark (rick.clark@pcedp.com)" <rick.clark@pcedp.com>

Edber, per our conversation here is our thoughts on the items we discussed.

With regard to the first issue, after reviewing our well files, and the 2000 ZA determination, it is clear that certain wells have been drilled, re-drilled and converted since that approval – see "Well List" below. In light of LAMC 13.01H and 13.01I, a question has surfaced regarding whether these well activities required further authorization or approval by the ZA. We have not seen any approvals by the ZA and our conclusion is that applications were likely never submitted to the City. We believe this was because of Condition 72 of the 2000 ZAD 17683 determination which states in part "*Without prior written approval from the Zoning Administrator, no more than the existing 69 wells may be drilled, operated or maintained at the site and these wells shall be located at their current surface locations.*" This condition suggests that the 2000 ZA approval covered a total of 69 wells and, provided the facility did not exceed the 69 wells, no further ZA approvals for drilling and re-drilling were required. However, it appears the facility may not have had 69 existing wells at the time of the determination. This may have been a misunderstanding during the determination between well "slots" vs actual wells. In any event, a question now exists regarding whether the wells that have been drilled, re-drilled, and/or converted since the 2000 ZA approval required further ZA review and approval pursuant to LAMC 13.01H and 13.01I.

Thank you

Well List

New Drills

WP 58 - 2005

WP 59 - 2010

In addition to the documentation from the site operator, Professor Michael Salman also submitted copies of the State regulatory agency DOGGR's (now CalGEM's) documents proving that these two new wells had been drilled, one in 2005-06 and the other in 2010, sending the materials to the ZA, the Chief ZA, and the Director of Planning. Below are snapshots of key excerpts from the DOGGR permit applications for new wells, DOGGR permits for new wells, and the DOGGR work history forms submitted by the site operator.

These documents (and more in the ZA case file) prove beyond a shadow of a doubt that two new wells were drilled in 2005-06 and 2010. Thus, the APC's decision on

August 18, 2021 was based on inaccurate information provided by the ZA and should be re-evaluated in light of the facts.

DOGGR Application, Permit, and Well Summary for drilling of new well in 2010.

07/06/2010 23:23 FAX 003/021

OGI
SC#

Permit 110-0142

FOR DIVISION USE ONLY	
Forms	
Bond	OGD114 OGD121
<i>BB</i>	<i>7-10-10 7-7-10</i>

NATURAL RESOURCES AGENCY OF CALIFORNIA
 DEPARTMENT OF CONSERVATION
 DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

NOTICE OF INTENTION TO DRILL NEW WELL
 Detailed instructions can be found at: www.conservation.ca.gov/doggr

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to drill
 well West Picco 859, well type Oil, API No. 037-27133
 Sec. 30, T15S, R. 14W, SB, B8M, Beverly Hills Field, Los Angeles

Legal description of mineral-right lease, consisting of 1.1 acres (attach map or plat to scale), is as follows:
 Tract 6380 - Lots 884, 885, 886, and 887; as per attached plat.

Do mineral and surface leases coincide? Yes No . If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well 19.45 feet North along section / property line and 108.97 feet East
 at right angles to said line from the centerline of Oakhurst corner of section / property Sec 30, T15S/R14W SBBM and
 Lat./Long. in decimal degrees, to six decimal places, NAD 83 format: Latitude: 34.055468 Longitude: -118.390414

If well is to be directionally drilled, show proposed coordinates (from surface location) and true vertical depth at total depth:
44.54 feet North and 3,541.95 feet East. Estimated true vertical depth 6,527'. Elevation of ground
 above sea level 171 feet. All depth measurements taken from top of RKB that is 16 feet above ground.
(Derrick Floor, Rotary Table, or Kelly Bushing)

Is this a critical well as defined in the California Code of Regulations, Title 14, Section 1720(a) (see next page)? Yes No

Is a California Environmental Quality Act (CEQA) document required by a local agency? Yes No If yes, see next page.

PROPOSED CASING PROGRAM

SIZE OF CASING (Inches API)	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	FORMATION PRESSURE (Estimated Maximum)	CALCULATED FILL BEHIND CASING (Linear Feet)
10-3/4"	40.5#	J-55	0'	1,000'	1,000'	500 psi	1,000'
7"	26#	N-80	0'	6,700'	6,700'	1,100 psi	3,200'
5"	18#	N-80	6,400'	8,399'	8,399'	1,100 psi	1,999'

(Attach a complete drilling program including wellbore schematics in addition to the above casing program.) *UHT: 6754' MD (4964' TVD) Per Harold In 7/1/10*

Estimated depth of base of fresh water: 500' Anticipated geological markers: see attached program - Formation Tops
(Name, depth)

intended zone(s) of completion: Repetto ~ 1,100 psi / Hauser ~ 1,100 psi Estimated total depth: 8,399'
(Name, depth and expected pressure)

The Division must be notified immediately of changes to the proposed operations. Failure to provide a true and accurate representation of the well and proposed operations may cause rescission of the permit.

Name of Operator
BreitBurn Energy Company, LP

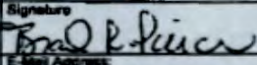
Address
515 South Flower Street, Suite 4800

City/State
Los Angeles, CA

Zip Code
90071

Name of Person Filing Notice
Brad Pierce

Telephone Number:
(213)225-5900 ext. 258

Signature


Date
6/14/2010

Individual to contact for technical questions:
Jeff Winkler

Telephone Number:
(213) 225-5900 ext. 222

E-Mail Address:
jwinkler@breitburn.com

NATURAL RESOURCES AGENCY OF CALIFORNIA
 DEPARTMENT OF CONSERVATION
 DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 110-0442

054
(Form Code)

03
(Area Code)

00
(New Post Code)

00
(Old Post Code)

PERMIT TO CONDUCT WELL OPERATIONS

CRITICAL WELL

Brad Pierce, Agent
 BREITBURN ENERGY CO. L.P.
 515 South Flower St., Suite 4800
 Los Angeles, CA 90071

Cypress, California
 July 08, 2010

Your proposal to drill well "West Pico" 59, A.P.I. No. 037-27133, Section 30, T. 1S, R. 14W, S.B. B. & M., Beverly Hills Field, Los Angeles County, Repetto and Hauser pools, Los Angeles County, dated 1/14/2010, received 7/7/2010 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment with hydraulic controls, equivalent to this Division's Class III B3M requirements, or better, shall be installed and maintained during drilling operations.
2. Drilling fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. Sufficient material to control lost circulation of drilling fluid shall be available for immediate use at the well site.
4. A directional survey shall be made and filed with this Division within 15 days of completion of drilling.
5. A Supplementary Notice shall be filed with this Division prior to completion of the well.
6. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
7. THIS DIVISION SHALL BE NOTIFIED TO:
 - a. Witness a test of the installed blowout equipment prior to drilling out cement in the shoe of the 10 3/4" casing.
 - b. Witness a test of the installed blowout equipment prior to drilling out cement in the shoe of the 7" casing.

RESOURCES AGENCY OF CALIFORNIA
 DEPARTMENT OF CONSERVATION
 DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator BreitBurn Energy Company, LP Field Beverly Hills County Los Angeles
 Well "West Pico" 59 Sec. 30 T. 1S R. 14W S.B. B.&M.
 A.P.I. No. 037-27133 Name Brad Pierce Title Agent
(Person submitting report) (President, Secretary, or Agent)
 Date 3/1/2011
(Month, day, year)
 Signature Brad Pierce
 Address 515 S. Flower St., Suite 4800 Los Angeles, CA 90071 Telephone Number (213) 225-5900

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date	Drill
11/7/2010	Tore out and moved mud pump, discharge pumping. Cut grading over well #59 for pitcher nipple. Skid rig west to access east side of court yard. Clear east side of court yard. Spot trailers, sack mud, and miscellaneous equipment. Off-load skid beams and load out miscellaneous equipment to ship to Sawtelle and continue spotting sack mud. Unload V-door extension. Skid rig west to line up to well #59. Set and pin skid beams. Spot mud pump suction manifold and run accumulator lines. Transfer KCL fluid from pits to west tank. Service rig and equipment. Prepare mud room and mud tanks for cleaning. Organize equipment and materials on east side of court yard.
11/8/2010	Install rails to roll BOPE to south side of rig. Skid rig over WP-59. Using welders, revamp suction lines and installed 20" conductor and flowline. Tighten flowline flanges and installed flow sensor. Pump remaining KCL fluid from mud pits and shipped spud mud from storage to mud pits. Ready rig for drilling. Ship spud mud from storage tank to mud pits. Made up 9-7/8" bit. Back scuttled on one joint heavyweight drill pipe. Ran in hole and check for any possible junk at bottom of 20" conductor at 52'.

DOGGR Application, Permit, Change of Well Name, and Well Summary for well drilled in 2005-06

RESOURCES AGENCY OF CALIFORNIA
 DEPARTMENT OF CONSERVATION
 DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

NOTICE OF INTENTION TO DRILL NEW WELL

#105-0829

C.E.Q.A. INFORMATION				FOR DIVISION USE ONLY			
EXEMPT <input type="checkbox"/>	NEG. DEC. <input type="checkbox"/>	E.I.R. <input type="checkbox"/>	DOCUMENT NOT REQUIRED BY LOCAL JURISDICTION <input checked="" type="checkbox"/>	MAP	MAP BOOK	CARDS	BOND FORMS
CLASS	S.C.H. NO.	S.C.H. NO.					114 121
<small>See Reverse Side</small>				<i>BBM 11/05/12/05</i>			

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is my intention to commence drilling well West Pico #46, well type Oil, API No. 037-26615 (Assigned by Division)

Sec. 30, T. 1S, R. 14W, S.B.B.&M., East Beverly Hills Field, Los Angeles County.

Legal description of mineral-right lease, consisting of _____ acres (attach map or plat to scale), is as follows:

Do mineral and surface leases coincide? Yes No . If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well _____ feet _____ along section / property line and _____ feet _____ at right angles to said line from the _____ corner of section / property _____ or _____ (Check one)

From the intersection of the center lines of Pico Blvd. and Oakhurst, 75' 9" north of the center line of Oakhurst, thence 112' 6" east at 90° angle. Section 30-T1S/R14W SBB&M.

Is this a critical well according to the definition on the next page of this form? Yes No

If well is to be directionally drilled, show proposed coordinates (from surface location) and true vertical depth at total drilled depth: 116 feet south and 3568 feet east Estimated true vertical depth 6437. Elevation of ground above sea level 171 feet. All depth measurements taken from top of kelly bushing that is 16 feet above ground. (Derrick Floor, Rotary Table, or Kelly Bushing)

PROPOSED CASING PROGRAM						
SIZE OF CASING INCHES API	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING (Linear Feet)
10-3/4"	40.5#	J-55	Surface	856'	856'	856'
7	26#	N80	Surface	6840'	6840'	~3000'
4-1/2"	10.5	K55	6740	8984	NA	NA

(A complete drilling program is preferred and may be submitted in lieu of the above program.)

Intended zone(s) of completion Hauser = ~1000 psi Estimated total depth 8984' (Name, depth, and expected pressure) (Feet)

It is understood that if changes to this plan become necessary, we are to notify you immediately.

Name of Operator BreitBurn Energy Company LLC		Type of Organization (Corporation, Partnership, Individual, etc.) Corporation	
Address 515 South Flower Street, Suite 4800		City Los Angeles	Zip Code 90071
Telephone Number 213-255-5900	Name of Person Filing Notice Chris Williamson	Signature <i>Chris Williamson</i>	Date 11/4/05

This notice and an indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

OG105 (5/98)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 105-0829

PERMIT TO CONDUCT WELL OPERATIONS

Production Well

Chris Williamson
BREITBURN ENERGY COMPANY
515 South Flower St., Suite 4800
LOS ANGELES CA 90071

054
(Field Code)
03
(Area Code)
10
(New Pool Code)
10
(Code)

Cypress, California
November 16, 2005

Your proposal to drill well "West Pico" 46, A.P.I. No. 037-26615, Section 30, T. 1S, R. 14W, S.B. B. & M., Beverly Hills Field, East area, Miocene(Hauser) pool, Los Angeles County, dated 11/4/2005, received 11/8/2005 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment with hydraulic controls, equivalent to this Division's Class IIIB3M requirements, or better, shall be installed and maintained in operating condition.
2. Drilling fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used while re-drilling.
3. All oil, gas or freshwater sands behind the 7" casing shall be protected by either lifting cement or by multiple stage cementing.
4. A directional survey shall be made and filed with this Division.
5. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Cypress, California
December 21, 2005

Chris Williamson
BREITBURN ENERGY CO. LP
515 South Flower St., Suite 4800
Los Angeles, CA 90071

Your request, dated 12/7/2005, proposing to change the designation of well(s) in Sec. 30, T. 1S, 14W, SB B. & M., Beverly Hills Field, Los Angeles County, District 1, has been received.

The proposed change in designation, in accordance with Section 3203, Public Resources Code, is authorized as follows:

"West Pico" 46 API No. 037-26615 shall be known hereafter as "West Pico" 58.

Hal Bopp
State Oil and Gas Supervisor

RESOURCES AGENCY OF CALIFORNIA
 DEPARTMENT OF CONSERVATION
 DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
HISTORY OF OIL OR GAS WELL

Operator Breitbart Energy Company LLC Field East Beverly Hills County Los Angeles
 Well WP58 Sec. 30 T. 1S R. 14W S.B. B.8M.
 A.P.I. No. 037-26615 Name Chris Williamson Title Agent
 Date 3/18/2006 (Person submitting report) (President, Secretary, or Agent)
 Signature Chris Williamson
 Address 515 S. Flower St., Suite 4800 Los Angeles, CA 90071 Telephone Number (213) 225-5900

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during re-drilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, balling tests, and initial production data.

Casing:	10-3/4", 40.5# , stc 8rd casing cemented surface to 878'.	
	7", 26#, N-80 csg from surface to 8600', cemented with 1041cf. Estimated TOC at 3540' (theoretical).	
	5", 18#, L-80 Hydril 511 liner landed at 8747', top at 6798'. ECP at 8730'.	
Plugs:	None	
Perforations:	5" slotted w/2"x0.030", 48R, 6"C slots 6863'-8699'.	
Junk:	None	
Drill and Complete - WP-58		
Date:	Operations:	Wt. / Vis / FL
Drilling Operations		
12/12/2005	Prepped to move rig to WP-58. Installed south cellar beams. Moved rig to WP-58. Tightened quill to 32K, and all clamps on quill. Cleared all tbg and rod equipment from rig floor and derrick. Serviced rig. Changed out guide sheave on hydraulic tugger line. Inspected and tighten bolts in	

NOTE : Total used 15 flat guards, 93 SS flat bands, 352 preformed bands.

1/13/2006	W/O welder. RD choke, kill & suction lines. Prep to move rig. Cut flowline & ND BOPE. Tear down rig V-door ext. Release rig @1500 hours.	8.3 / n/a / n/a
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Bit No.	Size	Mfr.	Type	Ser. No.	Jet Sizes	Depth In	Depth Out	Footage	Hrs.	Ft/Hr.
1	9-7/8"	Hughes	MXC-1	5085173	1-10;3-15's	58'	878'	820'	10	82
HO#1	14-3/4"	Smith	9-7/8" x 14-3/4"			58'	878'	820'	5.5	149
RR#1	9-7/8"	Hughes	MXC-1	5085173	1-12;3-16's	878'	5500'	4622'	60	77
2	9-7/8"	Hughes	MXC-1		4-14's	5500'	6888'	1388'	33	42
3	6"	Hughes	MXC-1	5084680	3-16's	6888'	8815'	1929'	46.5	42

Production Data	Clean oil per day	Gravity Clean Oil	Per Cent Water	Gas (mcf/day)	Tubing Pressure	Casing Pressure
Initial Production	375 bopd	17 deg API	56%	294 mcf/d	140 psi	450 psi
Production after 30 days	180 bopd		49%	213 mcf/d	90 psi	30 psi

2. The Settlement Agreement Does Not Prevent Revisions of Conditions, and it in Fact Requires Revisions When Warranted.

At the August 18 APC hearing, the ZA repeatedly stated the process before the Commission was a Review of Compliance with the conditions of the Settlement Agreement, and that everyone should “close the book on it” (2:11:37), not change his determination so that he could “clean it up” and move on to a new process, one that could allow for the revision of conditions of approval. This is a fundamental misrepresentation of the Settlement Agreement between NASE and the City and the process required by the Settlement Agreement.

Of overarching significance is the fact that the Settlement Agreement does not lock in place all 2000 conditions of approval and instead requires 5-year reviews of those conditions to ensure they are still adequate to protect the surrounding community and ensure compliance by the site operator. If the conditions fail to do so, the 5-year review is intended to be the process wherein new or revised conditions are imposed upon the West Pico Drill Site. The inaccuracy of the ZA’s claims regarding the Settlement Agreement can be best demonstrated by a review of the Agreement itself, along with the condition it references.

Section 4.b of the Settlement Agreement, inserted below, refers expressly to Condition 78 of the 2000 ZA approval:

- b. At the Review of Conditions required by Condition No. 78 imposed by the BZA and adopted by the City Council, to occur two years after construction and the issuance of a Temporary or Permanent Certificate of Occupancy, the Zoning Administrator will consider the findings and conclusions of the Risk Assessment Expert and impose any additional conditions deemed appropriate or within the Zoning Administrator’s continuing jurisdiction under Condition No. 77 or otherwise. If the report of the Risk Assessment Expert indicates that the operations at the BreitBurn facility pose a risk of cancer of greater than one in a hundred thousand (1×10^{-5}), BreitBurn will request a public hearing and a public hearing will be deemed warranted pursuant to Condition No. 78. (This provision does not otherwise limit the Zoning Administrator’s discretion to set the matter for public hearing.) Within ninety (90) days prior to the fifth anniversary of the first review held

pursuant to Condition No. 78, and on each five-year anniversary thereafter, BreitBurn will request an additional review of conditions pursuant to the procedures prescribed in Condition No. 78 and the Zoning Administrator will conduct a review of conditions as prescribed in Condition No. 78 and will issue a report of its review and schedule a further public hearing, if warranted. Such report shall be promptly forwarded to NASE, BreitBurn and the applicable Neighborhood Council.

Condition 78, inserted below, prescribes what is supposed to happen in the 5-year reviews required by the Settlement Agreement:

78. Review Of Conditions. Two years following completion of construction, and the issuance of a Temporary or Permanent Certificate of Occupancy, the applicant shall submit a Plan Approval application (\$523 fee) for the purpose of reviewing the effectiveness of these conditions. The applicant shall submit a 500-foot radius map with accompanying labels for owners and occupants. The applicant shall address each condition with appropriate supporting material, to the Zoning Administrator who shall contact all monitoring agencies, evaluate the neighborhood impacts of project operations and the efficacy of mitigation measures. The Zoning Administrator may impose corrective conditions if warranted. The Zoning Administrator may set the matter for public hearing if warranted.

Thus, pursuant to the Settlement Agreement and Condition 78, the ZA was required in the current review case to evaluate “neighborhood impacts,” evaluate “the efficacy of mitigation measures,” and the ZA was empowered to assign “corrective conditions.” Unfortunately, the ZA failed to follow these requirements and has instead advocated for kicking the can down the road to an uncertain future process. Not only is this an inefficient use of City resources, it delays relief for the community. Moreover, while the 5-year review is legally required, the ZA does not have the authority require a new process at this time.

The ZA made additional misrepresentations regarding the Settlement Agreement that are also material to the Commission’s determination. At the APC hearing, the ZA repeatedly said that Condition 72 was imposed by and enshrined in the Settlement Agreement, along with all other conditions, and therefore he did not have the authority to change it because the agreement was approved by a Court. (Statements made starting at 20:15 and 2:07:35 marks.) As set forth above, the Settlement Agreement specifically contemplates revisions to conditions, thus demonstrating this statement is incorrect. Moreover, as can be seen in a review of the attached Settlement Agreement, the only conditions of approval referenced within the Agreement are Conditions 77 and 78, both

of which provide the ZA the ability to revise the remaining conditions. (Attachment 1.) Condition 72 is not included in the Settlement Agreement, nor was it agreed upon in the Settlement Agreement as claimed by the ZA.

NASE presented in written and oral testimony that Condition 72 does not allow the site operator to drill new wells or convert existing wells without ZA approval or CEQA review, and to the extent it is interpreted as allowing redrilling of wells without ZA approval or CEQA review, the condition must be considered void because it violates the long-standing requirements of Los Angeles Municipal Code section 13.01.H and I. The misrepresentations made by the ZA prevented the Commission from addressing the illegality of Condition 72, as well as the illegal drilling, redrilling and conversion of wells. Thus, reconsideration of this appeal based on the facts at hand is necessary.

Finally, the ZA misled the Commission when stating on slide 9 of the powerpoint presented at the APC that there had been no violation of the Settlement Agreement. There can be no questioning the fact that 5-year reviews were not held in 2010-11 and 2015-16, and that both the City and the operator breached the terms of the Settlement Agreement. This is supported by findings buried within the ZA's June 2, 2021 determination:

The Office of Zoning Administration review of the whole of the record found that the operator was in violation of Condition 36, Condition 39, Condition 49 and Condition 72 of the conditions of approval imposed by the Board of Zoning Appeal in its action taken on BZA No. 2000-1697 (the appeal of Case No. ZA-1983-17683-PAD). Also, the Zoning Administrator found the operator was in violation of clause 4b of the 2001 Settlement Agreement.

2001 Settlement Agreement Condition

Clause 4.b: On June 8, 2001, the City of Los Angeles, the operator and concerned parties entered into an agreement where all parties mutually agreed to thirteen clauses in order to settle the litigation filed challenging the EIR certified in connection with the drill site modernization approval, *Neighbors for A Safe Environmental v. City of Los Angeles*, LASC Case No. BC240760. Pursuant to clause 4.b of the 2001 agreement, the operator is required to file a Plan Approval for compliance review on each five-year anniversary of the latest review. The latest review was completed March 13, 2006, in which case, the operator was required to file a Plan Approval in 2011 and failed to do so. The operator did not file the 2020 Plan Approval application until after the failure was pointed out by this Office.

f. It is the intention of the parties that the Project be allowed to proceed immediately in accordance with the prior conditions of approval as amended only by the terms of this Agreement. In the absence of the complete implementation of the resolution of dispute provisions of this Agreement, including the right of BreitBurn to proceed immediately to complete and operate the project without any further administrative or legal proceedings, it is the intent of BreitBurn and the City to file an appeal from the judgment entered by the Superior Court on May 9, 2001. A Notice of Entry of Judgment was served by Petitioners in this case on May 17, 2001. Pursuant to California Rules of Court section 2(a) provides that a notice of appeal must be filed no later than July 16, 2001. If the City does not take the actions set forth in subsection 6(b) or the Court has not accepted the actions of the City as in compliance with the writ or set aside the writ as provided in subsections 6(b) or (c), on or before July 16, 2001, then, unless otherwise agreed to by all parties, any party thereto may file a notice of appeal on such date and this Agreement shall terminate and be void.

Thus, due to the misinformation the ZA presented to the Commission regarding the Settlement Agreement and the process required by the Settlement Agreement, the APC should reconsider its determination regarding NASE's appeal. Contrary to claims made by the ZA, the documentation presented herein and elsewhere in the record clearly demonstrates that the Settlement Agreement and the 2000 ZA approval both specifically empower the ZA to change conditions of use whenever necessary or warranted. Thus, the issue is not just that the ZA erroneously believed no changes were needed. The overarching issue is that the ZA short-circuited the review process and the CEQA process by claiming that conditions could not be revised.

3. Well Conversions Are Not Mere Paper Reclassifications and There is No Vested Right to Convert Wells.

There is no dispute that 10 well conversions have occurred on the West Pico Drill Site since 2000. PCEC provided documentation of these well conversions in their June 19, 2020 email. NASE also documented these well conversions with documents obtained by Professor Salman from DOGGR/CalGEM. At issue is that fact that the ZA misinformed the Commission regarding the nature of well conversions. At the APC hearing, the ZA stated that well conversions are mere paper reclassifications of wells, and nothing more, which is both a factual and legal misrepresentation. The ZA determination and written response to NASE's appeal also falsely claimed that well conversions were covered by Condition 72.

As an initial matter, NASE believes some background information on the nature of well conversions would be helpful. Well conversion refers to converting a producer well into an injection well, or vice versa. Most of the wells at the West Pico Drill Site are producer wells (Class A in the terms used in LAMC 13.01) that extract crude oil, natural gas, and brine water from well bottoms more than 8,000 feet deep. They extract a fluid and natural gas slurry by means of pumps that are located inside the wells. The pumps pull the slurry up out of the wells and push it into pipes that join together to connect to a pipeline that carries the slurry from the 9101 West Pico half of the drill site to the 9151 West Pico half of the drill site. At the 9151 West Pico half of the drill site, the slurry is separated into its three major components of crude oil, natural gas, and “produced water” (aka brine water). The oil and natural gas are processed before being pumped into pipelines to take them out for sale. The produced water is sent to giant pumps located on the 9151 West Pico half of the drill site, which pump the produced water into a second pipeline crossing back to the 9101 West Pico half, where the water goes into injection wells.

The remainder of the wells at the West Pico Drill Site are injection wells (Class B in LAMC 13.01) that return produced water to the hydrocarbon bearing geological strata. Injection wells serve three major purposes: They are required by law to safely place the heavily contaminated brine water back down in the geological strata from whence it came. Returning the produced water helps to prevent subsidence of soil, which had been a major problem in some oil operations before the invention of injection wells in the 1940s. Last, the injected produced water both repressurizes the oil field and can sweep remaining oil toward the bottoms of producer wells, so the use of injection wells is part of oil production. All of this injection part of oil production is regulated by layers of City law, State law, and Federal law.

Converting wells entails substantial work both underground in the well (“downhole”) and on the surface. A well conversion is a substantial physical project that can have significant impacts during the construction phase and later during ongoing operation.

To convert a producer well to an injector, at minimum the process involves:

- disconnecting the producer well from the surface pipes that collect the fluid and gas slurry from producer wells and send it by pipeline to the 9151 West Pico half of the drill site.
- opening up the well and removing the extraction pump
- remove production tubing and well packing at designated intervals that separate hydrocarbons from the fresh water table
- repairs and reworking of well components is common, and can be substantial
- generally, the production tubing is replaced with injection tubing called an “injection string” and new well packing is installed at designated intervals

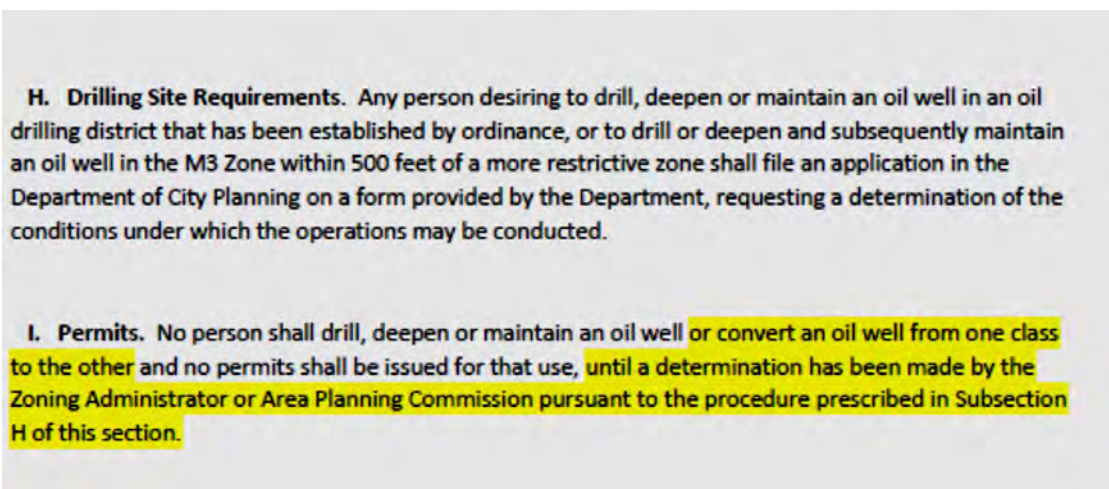
- the well is then connected to new piping that connects to the pipeline bringing produced water back to the 9101 West Pico half of the drill site from the giant injection pumps located at the 9151 West Pico half of the drill site.

To convert an injection well to a producer is the same process in reverse, including installing a new downhole extraction pump and production tubing, etc.

With that background on the extensive physical activity and potential for impacts involved when converting wells, it becomes clear that these are not mere paper reclassifications as claimed by the ZA. The attached DOGGR permitting and work history documentation for 2 of the 10 well conversions that have taken place at the West Pico Drill Site since 2000 demonstrate the well conversion work is time consuming, taking one month for one well and 7 months for the other. (Attachment 2.)

In addition to being factually incorrect that well conversions are mere paper reclassification, the ZA was also incorrect as to the legal requirements applicable to well conversions. The City has established clear legal requirements for ZA discretionary review and consideration prior to the approval of well conversions, and also the need for environmental review of well conversions.

Below is Los Angeles Municipal Code section 13.01.I and the relevant section of LAMC 13.01.H addressing review procedure, both of which have been in effect in the City since 1955. For more than 65 years City Code has defined well conversions as a specific kind of project that requires application to and approval from the ZA as per LAMC 13.01.H. The ZA's claims that such review was not required was misleading and inaccurate.



Key passages from ZA Memo 133, in effect since September 2016, are also included below. This memorandum requires public hearings on well conversion projects

and forbids reliance on a categorical exemption from CEQA when approving a well conversion.

From page 6 of ZA Memo 133:

An application to drill, re-drill, deepen, or convert a well is not eligible for a categorical exemption and shall require an Initial Study or an EIR as described in section V.A.2. All other projects may be reviewed to determine if they qualify for a categorical exemption.

Page 5 of ZA Memo 133:

- Ensure that the City complies with all legal requirements of CEQA in approving Section 13.01-H projects;
- Provide all parties that may be impacted by a project subject to a Section 13.01-H application an opportunity to participate in a public hearing;
- Meet the intent of CEQA in the review and approval of CEQA findings and determinations, to provide adequate public participation;
- Ensure that staff has time to adequately consider and respond to if

Further, the ZA incorrectly claimed that well conversions are covered by Condition 72 of the 2000 ZA approval for the West Pico Drill Site. See page A10 of the ZA rebuttal to NASE's appeal:

ZA-1989-17683-PA2

A-10

As for any existing well, the operator is only required to produce copies of the re-drilling filings as such wells are already authorized by the City of Los Angeles and the State of California. So, converting any of the existing 59 wells from production to injection, or injection to production, only requires that the copies of the filings to CalGEM be sent to the Zoning Administrator's office.

The Zoning Administrator acknowledges the failure of the operator to send copies of the filings pertaining to the drilling activities. The operator was instructed to submit copies to the office of Zoning Administrator within 60 days.

Whether Condition 72 on redrilling is legal or illegal, it says nothing about well conversions, which are a different project from redrilling a well. Here is Condition 72, copied from the 2000 BZA decision which did not alter Condition 72 from the original version in the 2000 ZA approval (ZA-1989-17683-PAD). Note that neither the words "well conversion" nor any synonym appear in Condition 72:

72. **Limitations On Well Redrilling.** Without prior written approval from the Zoning Administrator, no more than the existing 69 wells may be drilled, operated or maintained at the site and these wells shall be located at their current surface locations. All wells will be drilled from existing well cellars using existing strings of pipe or surface conductor pipe. In the event that applicant redrills any of the existing wells, the applicant shall provide the Zoning Administrator's office with duplicate copies of all filings pertaining to such well filed with the California Division of Oil, Gas and Geothermal Resources, including such filings showing the bottom-hole location and the total depth of each such well. Furthermore, the applicant, upon request by the Zoning Administrator, shall furnish such additional information concerning the status, exact bottom hole location, productivity, etc., of the various wells drilled from the property, as to enable the Zoning Administrator to properly and intelligently administer the oil drilling regulations in this area; said information to be either verbal or in writing and to be kept confidential by the Zoning Administrator if so desired by the applicant.

During the August 18, 2021 APC hearing, the ZA provided this misinformation about well conversions and new wells to the Commission only after the public testimony phase of the hearing was closed. We therefore could not respond to his fundamental misinformation about the new wells and well conversion projects. Thus, we write now to urge you to reconsider your determination based on an accurate recitation of critical facts and legal requirements.

Conclusion

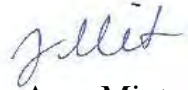
The three examples of misinformation detailed above were far from the only such examples, but do represent the most egregious. The entire 5-review process was tainted by the ZA's decision to improperly narrow the focus of the review, thus failing to fulfill the requirements mandated by the Settlement Agreement and Condition 78, and thus continues the City's violations of those binding obligations.

The only proper solution is to overturn the ZA's decision in its entirety: the determination, findings, and fatally flawed statements of fact. If allowed to stand, the ZA's determination and findings will give *de facto* approval to by-right oil drilling without ZA approval. It will put the City in breach of the Settlement Agreement. It will put the City in continuing violation of CEQA and its own CEQA guidelines. And it will make an utter hash out of any ability to rely on the City's Zoning Administration process when it comes to oil cases at this drill site and at all the others.

West LA APC
August 27, 2021
Page 17

We ask the Commission to please vote to reconsider its decision of August 18, 2021, to retain and extend jurisdiction over this case, to set it on the agenda for a meeting in the near future, and, most of all, for the Commissioners to take the time necessary to get down to the facts in a complicated case.

Sincerely,

A handwritten signature in blue ink, appearing to read "Amy Minter".

Amy Minter

Enclosures

cc: Oscar Medellin, Deputy City Attorney (oscar.medellin@lacity.org)
James K. Williams, APC Executive Assistant (james.k.williams@lacity.org)

Attachment 1

SETTLEMENT AGREEMENT

This SETTLEMENT AGREEMENT (the "Agreement") is entered into effective as of the date of last execution shown opposite the signature blocks below (the "Effective Date"), between the CITY OF LOS ANGELES, a municipal corporation and local public agency, the CITY COUNCIL OF THE CITY OF LOS ANGELES, a local public agency, (collectively these two parties are sometimes referred to herein as "City"), NEIGHBORS FOR A SAFE ENVIRONMENT, a California nonprofit corporation ("NASE"), RAE DRAZIN, Ph.D., an individual, MINA SOLOMON, an individual, (NASE, Drazin and Solomon are sometimes collectively referred to as "Petitioners"), and BREITBURN ENERGY COMPANY LLC, a California limited liability company ("BreitBurn"). The purpose of this Agreement is to settle litigation relating to the approvals for the construction and operation of the West Pico Drillsite Modernization Project, Los Angeles County, California.

RECITALS

A. In 1999, BreitBurn applied for a change in its Determination of Conditions and Methods of Operations for an existing drillsite located at 9101 West Pico Boulevard, Los Angeles, California (the "Project"). The Project calls for the modernization of the drillsite and the recovery of additional oil reserves and includes, among other things, the raising of the exterior wall, the enclosure of the drilling and workover rig in a soundproofed and architecturally treated structure, and the building of an enclosed support building. The Project also includes the removal of the existing diesel workover rig. The Project also removes prior limitations on permissible days and hours for redrilling and reworking of wells.

B. The environmental assessment process began in 1998. A Draft EIR was completed and distributed for comments on April 15, 1999. The Final EIR was issued by the City in October of 1999.

C. The Zoning Administrator held a public hearing on December 2, 1999 (ZA Case No. 17683-PAD). The Zoning Administrator issued her decision on April 5, 2000. That decision approved a modification of the existing conditions and methods of operation for the drillsite and imposed 78 conditions on the approval.

EXHIBIT A

D. The Petitioners filed an appeal of the Zoning Administrator's decision to the Board of Zoning Appeals ("BZA"). A public hearing was held before the BZA on May 23, 2000 (BZA Case No. 2000-1697). The BZA approved certification of the EIR, the adoption of the Mitigation Monitoring Plan and adopted the environmental findings made by the Zoning Administrator. The BZA then denied the appeal and adopted the plan approval and conditions imposed by the Zoning Administrator, with corrections recommended by the Zoning Administrator ("Plan Approval"). The Plan Approval was not further appealable.

E. The Petitioners appealed the BZA decision on the EIR certification to the City Council. A public hearing was held before the full City Council on October 25, 2000 (Council File No. 2000-1842). The City Council voted in favor of certifying the EIR and adopting the findings of the BZA as the findings of the City Council. The Notice of Determination of the certification was filed with the County Clerk the same day.

F. The Petitioners filed a petition for writ of mandate in the Superior Court of Los Angeles County styled *Neighbors For A Safe Environment, etc., et al. v. City of Los Angeles, et al.*, LASC No. BC 240760 (the "Action") seeking to set aside the certification of the EIR and the underlying permit approvals.

G. On May 9, 2001, the Superior Court, Judge David P. Yaffe, presiding, entered a judgment ordering the clerk to issue a peremptory writ of mandate ordering the City to set aside its certification of the EIR and related approvals. The Statement of Decision of the Court indicates that the Court was concerned about the EIR's response to questions concerning nighttime noise.

H. On May 16, 2001, the City mailed to interested persons an Addendum to the EIR addressing the issue of nighttime noise and informing them of further proceedings before the City Council on May 22, 2001. The Addendum concluded that noise from the facility at night will not alter any resident's ability to sleep. The Addendum and related City Staff report were circulated to approximately 800 owners and occupants of all properties surrounding the Project. The Petitioners filed objections to the report with the City.

I. On June 1, 2001, BreitBurn and the City filed a Notice of Intention to Move for a New Trial.

J. The parties have reached an agreement resolving all of the issues in the Action and wish to fully and finally terminate the Action pursuant to this Agreement. By entering into this Agreement, BreitBurn and the City have agreed to undertake additional measures relating both to nighttime noise, air quality and enforcement at the Project.

NOW, THEREFORE, in consideration of the mutual covenants and conditions contained herein, and for other good and valuable consideration, the adequacy and receipt of which is hereby acknowledged, the parties agree as follows:

AGREEMENT

1. **Obtaining of air quality data**
 - a. On occasions to be prescribed by the Air Quality Consultant (defined in Item 1(d), below), the Air Quality Consultant will sample fugitive and other emissions inside the derrick structure. BreitBurn will, as far in advance as is practicable and at least 24 hours in advance, inform the Air Quality Consultant of the timing of those operations most likely to produce such emissions, including those periods when solvents are utilized. The Air Quality Consultant will take samples at representative times and will determine, in conjunction with BreitBurn, the relative percentages of time the facility undertakes various operations.
 - b. The Air Quality Consultant will order that the samples be tested for such substances as shall be specified by the Risk Assessment Expert (defined in Item 2, below).
 - c. The analysis of the emissions analyzed pursuant to this agreement will be performed by an independent laboratory certified by the State to perform such tests.

- d. NASE will designate a consultant (the "Air Quality Consultant") who shall be a certified industrial hygienist or an individual with a minimum of 5 years experience in air emissions sampling in the Los Angeles Basin.
- e. BreitBurn may request and thereupon will be given split samples obtained by the Air Quality Consultant under this section for the purpose of BreitBurn performing duplicate testing at its expense.
- f. On occasions to be determined by the Air Quality Consultant, and simultaneous with the obtaining of the samples within the BreitBurn facility, the Air Quality Consultant will obtain ambient air quality samples upwind and downwind from the BreitBurn facility. Those samples will be analyzed at the same laboratory for the same substances as were tested for within the BreitBurn facility.
- g. BreitBurn and NASE will deliver to each other, and to the Risk Assessment Expert (described in Item 2, below) a copy of the laboratory results of all testing performed under the provisions of this section, and of the reports of the Air Quality Consultant as to the manner of taking the samples and the rationale for such manner, and the determination concerning the various operations at the facility pursuant to subsection 1(a), in order that the risk assessment, described in the next section, accurately characterizes the emissions from the facility over time.

2. Development of Risk Assessment

- a. NASE will designate a toxicologist who shall be a Ph.D. level Diplomat of the American Board of Toxicology (the "Risk Assessment Expert").
- b. The Risk Assessment Expert will prepare and deliver to NASE, to BreitBurn, and to the Zoning Administrator a report (the "Risk Assessment Report") detailing the professional conclusions of the Risk Assessment Expert concerning the incremental risk to the nearest off-site human receptors of cancer and other indicated diseases posed by operations at the BreitBurn facility. The Risk Assessment Report will specifically address the population in close proximity to the site, e.g., children of school age. The Risk Assessment Report, including all modeling, will be conducted in a manner consistent with relevant and applicable guidance documents published by the United States Environmental Protection Agency and the California Environmental Protection Agency. The Risk Assessment Expert shall exclude from his or her analysis of incremental risk all chemicals and risks associated with ambient air at the site received from any sources other than the BreitBurn facility.

3. Noise

- a. In carrying out Conditions No. 77 and 78, and in addition to the other Conditions imposed, the Zoning Administrator will consider, based on data and reports, if any, submitted by BreitBurn, NASE or any neighbor, the extent to which the nighttime operations of the BreitBurn facility disturb the sleep of surrounding residents.
- b. In developing the noise requirements prescribed by the City, BreitBurn and its consultant shall consider, and the Zoning Administrator will review, the *properties of sounds generated* by the facility, in addition to decibels, that may contribute to the disturbance of the community at night and the data gathered pursuant to subsection 3(a).

- c. If the Zoning Administrator determines that nighttime noise from facility operations creates an unreasonable impact on nearby residents, the Zoning Administrator shall consider such additional mitigating measures as shall be required to eliminate any such impact. In the event that the Zoning Administrator determines that nighttime operations cannot be sufficiently mitigated by other means to eliminate unreasonable impacts, the Zoning Administrator shall order that workover or other operations not occur during the nighttime hours.
- d. Actions taken by the Zoning Administrator shall be subject to normal City procedures and appeals.

4. Enforcement

- a. If at any time the Risk Assessment Expert determines that the operations at the BreitBurn facility pose a risk of cancer of greater than one in a million (1×10^{-6}), the Risk Assessment Consultant shall report that finding and recommendations to the Department of Building and Safety, the Zoning Administrator, the South Coast Air Quality Management District, and the Division of Oil and Gas.
- b. At the Review of Conditions required by Condition No. 78 imposed by the BZA and adopted by the City Council, to occur two years after construction and the issuance of a Temporary or Permanent Certificate of Occupancy, the Zoning Administrator will consider the findings and conclusions of the Risk Assessment Expert and impose any additional conditions deemed appropriate or within the Zoning Administrator's continuing jurisdiction under Condition No. 77 or otherwise. If the report of the Risk Assessment Expert indicates that the operations at the BreitBurn facility pose a risk of cancer of greater than one in a hundred thousand (1×10^{-5}), BreitBurn will request a public hearing and a public hearing will be deemed warranted pursuant to Condition No. 78. (This provision does not otherwise limit the Zoning Administrator's discretion to set the matter for public hearing.) Within ninety (90) days prior to the fifth anniversary of the first review held

pursuant to Condition No. 78, and on each five-year anniversary thereafter, BreitBurn will request an additional review of conditions pursuant to the procedures prescribed in Condition No. 78 and the Zoning Administrator will conduct a review of conditions as prescribed in Condition No. 78 and will issue a report of its review and schedule a further public hearing, if warranted. Such report shall be promptly forwarded to NASE, BreitBurn and the applicable Neighborhood Council.

- c. For a period of two years following completion of construction, the City will designate one or more individuals at the managerial level of the Department of Building and Safety, who will receive complaints regarding odors or noise at the BreitBurn site on a 24-hour basis. The Department of Building and Safety will forward logs of such complaints to NASE and the Zoning Administrator's office. The Department of Building and Safety will report complaints within two (2) hours to the appropriate agency; e.g., the Police Department for noise; the South Coast AQMD for odors.

5. Financial Provisions

a. BreitBurn will pay:

1. \$65,000 to NASE for attorney's fees and costs in this matter;
2. \$25,000 to NASE to be used by it to engage technical advisors and perform testing not otherwise provided for in the Agreement and/or for other community projects;
3. Invoices from the laboratories utilized by NASE, the Air Quality Consultant, or the Risk Assessment Expert to analyze the air quality samples;
4. Invoices from NASE or the Air Quality Consultant described in Section 1 for the work described therein;

5. Invoices from the Risk Assessment Expert or from any other costs associated with the risk assessment work described in Section 2 for the work described therein;
6. Any fees assessed by the City for the services described in Section 4(c);
7. Any other reasonable and necessary costs of carrying out the provisions of the Agreement.
8. The maximum cumulative total that BreitBurn shall be required to pay for items 3 through 5 above, shall not exceed \$150,000. No expense of BreitBurn for split samples, consultants to BreitBurn or any other voluntary expenditure of BreitBurn shall be included within said \$150,000. BreitBurn shall send statements to NASE periodically showing the sums expended in conjunction with such activities. NASE shall contractually require the Air Quality Consultant and the Risk Assessment Expert to perform their services in a manner prescribed by this Agreement, but BreitBurn shall promptly pay their duly presented invoices irrespective of any disagreement that BreitBurn may have concerning their findings and conclusions or their manner of performance.

b Items 1 and 2 above shall be due and payable immediately upon

6. Resolution of Dispute

- a. Within three days of the approval of the Agreement by all parties thereto, each of the Petitioners, through a letter submitted to the City Clerk by their counsel, will withdraw their objections before the City to the Project and will support the making of any related actions of the City necessary to implement the Plan Approval and this Agreement.
- b. Following approval by the City of this Agreement, each of the Petitioners will stipulate to, and join in any motion or request made by BreitBurn to, set aside the judgment previously entered in this case and dismiss the action with prejudice and request that the Court enter a new judgment denying in its entirety the requested writ of mandate or in the alternative to enter an order unconditionally quashing the writ of mandate previously issued. That stipulation and/or joinder shall recite that the parties have reached a settlement in this case, and that costs and fees shall not be awarded to either party under the judgment to be entered. Should the judgment of the Court thereafter award costs or fees to either party, such party shall not seek to enforce that provision.
- c. If the Superior Court will not set aside the Judgment heretofore entered, and/or will not quash the writ of mandate heretofore entered and served, the Petitioners will join in supporting and will not thereafter object to the return to the Superior Court's writ of mandate to be filed by the City and describing its actions as in accordance with this Agreement as in satisfaction of the requirements of the writ.
- d. Neither party shall make any post-judgment motion nor seek to appeal the judgment entered, following resolution of this matter in accordance with this Agreement.
- e. Nothing in this Agreement shall constitute an admission by any party of any fact, nor shall it constitute a waiver of any right or objection of any petitioner to the facility or any of the operations thereof in the future, outside of the context of the Action.

- f. It is the intention of the parties that the Project be allowed to proceed immediately in accordance with the prior conditions of approval as amended only by the terms of this Agreement. In the absence of the complete implementation of the resolution of dispute provisions of this Agreement, including the right of BreitBurn to proceed immediately to complete and operate the project without any further administrative or legal proceedings, it is the intent of BreitBurn and the City to file an appeal from the judgment entered by the Superior Court on May 9, 2001. A Notice of Entry of Judgment was served by Petitioners in this case on May 17, 2001. Pursuant to California Rules of Court section 2(a) provides that a notice of appeal must be filed no later than July 16, 2001. If the City does not take the actions set forth in subsection 6(b) or the Court has not accepted the actions of the City as in compliance with the writ or set aside the writ as provided in subsections 6(b) or (c), on or before July 16, 2001, then, unless otherwise agreed to by all parties, any party thereto may file a notice of appeal on such date and this Agreement shall terminate and be void.

7. Knowing Agreement

The parties each affirms that he/she/it has carefully read the foregoing and understands that this is a settlement agreement, and further affirms that each has reviewed and discussed the same with its counsel and knows the contents herein and has discussed the legal effect hereof and that the party executing the same does so of its own free act.

8. Entire Agreement

This Agreement embodies the entire understanding of and agreement between the parties as of the Effective Date and the parties each hereby agrees that the terms and provisions of this Agreement can only be changed, altered, or modified in any respect, by an instrument in writing and signed by all of the parties.

9. California Law

This Agreement shall be governed by, construed and enforced in accordance with the laws of the State of California and enforcement of this Agreement may be had in any court of appropriate jurisdiction in California.

10. Binding Effect and Benefit

This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns.

11. Authority of Signatories

All persons executing this Agreement on behalf of any entity hereby represent that they have proper authority to do so and to bind the entity to it.

12. Interpretation of Agreement

The parties have all participated in the drafting and preparation of this Agreement. Hence, in any construction to be made of this Agreement, the same shall not be construed against or in favor of any party on the basis that it or another proposed specific language.

13. Counterparts

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same instrument. This Agreement will become effective only when executed by all parties.

///signatures follow on next two pages///

**BREITBURN ENERGY COMPANY
LLC. a California limited liability
company**

Dated: June 8, 2001.

By: 
Randall H. Breitenbach
Co-President

**CITY OF LOS ANGELES AND
CITY COUNCIL FOR THE CITY OF
LOS ANGELES**

Dated: June __, 2001.

By: _____

**NEIGHBORS FOR A SAFE
ENVIRONMENT, a California nonprofit
corporation**

Dated: June __, 2001.

By: _____
Dr. Rochelle Feldman
President

**NEIGHBORS FOR A SAFE
ENVIRONMENT, a California nonprofit
corporation**

Dated: June __, 2001.

By: _____
Rae Drazin
Vice-President

**NEIGHBORS FOR A SAFE
ENVIRONMENT, a California nonprofit
corporation**

Dated: June __, 2001.

By: _____
Mina Solomon
Member of the Board

**BREITBURN ENERGY COMPANY
LLC, a California limited liability
company**

Dated: June __, 2001.

By: _____
Randall H. Breitenbach
Co-President

**CITY OF LOS ANGELES AND
CITY COUNCIL FOR THE CITY OF
LOS ANGELES**

Dated: June 12, 2001.

By: Keith Pritsker
Keith Pritsker, Deputy City Attorney
**NEIGHBORS FOR A SAFE
ENVIRONMENT, a California nonprofit
corporation**

Dated: June 7, 2001.

By: Dr. Rochelle Feldman
Dr. Rochelle Feldman
President
**NEIGHBORS FOR A SAFE
ENVIRONMENT, a California nonprofit
corporation**

Dated: June 8, 2001.

By: Ras Drasin
Ras Drasin, Ph.D.
Vice-President
**NEIGHBORS FOR A SAFE
ENVIRONMENT, a California nonprofit
corporation**

Dated: June 10, 2001.

By: Mina Solomon
Mina Solomon
Member of the Board
**NEIGHBORS FOR A SAFE
ENVIRONMENT, a California nonprofit
corporation**

**BREITBURN ENERGY COMPANY
LLC. a California limited liability
company**

Dated: June __, 2001.

By: _____
Randall H. Breitenbach
Co-President

**CITY OF LOS ANGELES AND
CITY COUNCIL FOR THE CITY OF
LOS ANGELES**

Dated: June __, 2001.

By: _____

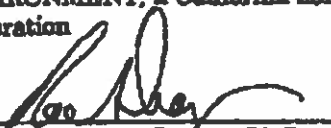
**NEIGHBORS FOR A SAFE
ENVIRONMENT, a California nonprofit
corporation**

Dated: June 7, 2001.

By: 
Dr. Rochelle Feldman
President

**NEIGHBORS FOR A SAFE
ENVIRONMENT, a California nonprofit
corporation**

Dated: June 8, 2001.

By: 
Rae Drizin, Ph.D.
Vice-President

**NEIGHBORS FOR A SAFE
ENVIRONMENT, a California nonprofit
corporation**

Dated: June 10, 2001.

By: 
Mina Solomon
Member of the Board


**NEIGHBORS FOR A SAFE
ENVIRONMENT, a California nonprofit
corporation**

FROM : G S P

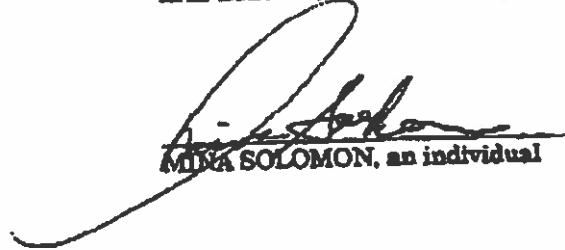
PHONE NO. : 310 837 3933

Jun. 10 2001 09:52PM P2

Dated: June 8, 2001.


RAE DRAZIN, Ph.D., an individual


Dated: June 10, 2001.


MINA SOLOMON, an individual

**Additional Signature Page to Settlement Agreement
between the City of Los Angeles, et al, with respect to litigation relating to the
approvals for the construction and operation of the West Pico Drillsite
Modernization Project, Los Angeles County, California**

**BREITBURN ENERGY COMPANY
LLC, a California limited liability
company**

Dated: June 8, 2001.

By: 

Halbert S. Washburn
Co-President

Attachment 2a

DOGGR Application, Permit, and Well Summary of downhole work to convert well West Pico 26, API 037-20926, in 2006

RESOURCE AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

**NOTICE OF INTENTION TO
REWORK WELL**

FOR DIVISION USE ONLY

ND	FORMS	EDP WELL
	OGD114	OGD121
3/11/00	3/10/00	FILE

CG/FL

Ole → NF

This notice and an indemnity or cash bond must be filed, and approval given, before rework begins. (See the reverse side for bonding information.) If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to

REWORK WELL WP26, API No. 037-20926
(WELL DESIGNATION)

Sec. 30, T. 1S, R. 14W, SBB&M., Beverly Hills East Field,
Los Angeles County.

1. The complete casing record of the well (present hole), including plugs and perforations, is as follows:

Casing: 10-3/4" 40.5#, K-55, csg cemented from surface to 1,178' w/560sx in 15" hole.
7" 23&26#, K-55 & N-80, csg cemented from surface to 9,740' w/1,350cf in 9-7/8" hole.
5-1/2", 18#, K-55 liner hung 7,102'-9,740'.

Plugs: 9740'-9657'

Perforations:
7" perfed with 4spf 6908'-6952'.
5-1/2" perfed 7160'-7170', 7180'-7230', 7277'-7312', 7350'-7370', 7452'-7460', 7540'-7552',
7562'-7578', 7583'-7680', 7680'-7688' (squiz'd off), 7698'-7722', 7795'-7875', 7885'-7925',
9450'-9493', 9505'-9520', 9555'-9600'.

Junk: Remains of cement retainer chased to 9657'.

2. The total depth is: 9801' feet. The effective depth is: 9657' feet.

3. Present completion zone (s): DM, Hauser, Ogden. Anticipated completion zone (s): Same

4. Present zone pressure: 1000 psi. Anticipated/existing new zone pressure: 1000 psi.

5. Last production: Mar-99 0 80 9
or (Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)
Last injected: (Date) (Water, B/D) (Gas, B/D) (Surface Pressure, psig)

6. Is this a critical well as defined in the California Code of Regulations, Title 14, Section 1720 (a)? Yes No

The proposed work is as follows: (A complete program is preferred and may be attached.)

1. MIRU. Install and test BOPE. Pull tubing and packer.
2. Run RST log to determine exact intervals to perf.
3. Run kill string. RMDO. Order perf guns.
4. MIRU. Install and test BOPE. Pull kill string.
5. Selectively perforate ~8050'-8900'.
6. Run scrapers to clean up casing.
7. Run CIBP and set at ~9300'.
8. Run test packer and CIBP.
9. Run single injection string with two packers set at ~6815' and ~8000'.
10. Pressure test annulus to 500psi for 15 minutes.
11. Place well on injection at 2000bpd with surface injection pressure not to exceed 2350psi (0.8psi/ft gradient).

051
0.8
23000 Inj Prod
28000 Inj
3/19/85
WP
42

Note: If the well is to be redrilled, show the proposed bottom-hole coordinates and estimated true vertical depth.

The Division must be notified if changes to this plan become necessary.

Name of operator BreitBurn Energy Company	Telephone Number (213) 225-5900	
Address 515 South Flower Street, Suite 4800	City Los Angeles, CA	Zip Code 90071
Name of Person Filing Notice Chris Williamson	Signature <i>Chris Williamson</i>	Date 3-8-06

File in Duplicate

OG107

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 105-0193

PERMIT TO CONDUCT WELL OPERATIONS

WATERFLOOD PROJECT

054
(Field Code)

03
(Area Code)

05, 10
(New Pool Code)

00
(Old Pool Code)

Chris Williamson, Agent
BREITBURN ENERGY CO.
515 South Flower St, Suite 4800
LOS ANGELES CA 90071

Cypress, California
March 13, 2006

Your proposal to rework(convert to injection) well "West Pico" 26, A.P.I. No. 037-20926, Section 30, T. 1S, R. 14W, S.B. B. & M., Beverly Hills Field, East area, Pliocene, Miocene pool, Los Angeles County, dated 3/8/2006, received 3/9/2006 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment with hydraulic controls, equivalent to this Division's Class II2M requirements, or better, shall be installed and maintained in operating condition.
2. Well killing fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. A pressure test is conducted to demonstrate the mechanical integrity of the 7" casing.
4. Within three months after injection is started, and every two years thereafter, this Division shall be furnished with sufficient data to confirm the confinement of the injected fluid to the intended zone of injection and to demonstrate the mechanical integrity of the 7" casing, injection tubing and packer.
5. Prior to any sustained injection above a gradient of .8 psi per foot of depth as measured at the sand face, injectivity and profile tests shall be made. The results of these tests and the proposed method of operations as to input rate, pressure and water distribution by subzones shall be submitted to this Division for approval.
6. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
7. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Witness an inspection of the installed blowout prevention equipment prior to commencing downhole operations.
 - b. Witness a pressure test of the 7" casing prior to injection.
 - c. Witness the running of an injection survey.

NOTE:

1. A crew drill may be required at the time of the blowout prevention equipment inspection.
2. This well shall conform to the provisions set forth in our letter dated 3/19/1985, revising the project.
3. The fresh water will be protected by the 7" casing cemented at 9740' with sufficient cement to reach to surface.
4. The water to be injected tests approximately 27,000 mg/l TDS and is water produced from neighboring wells.
5. The water is to be injected into the Dunsmuir, Hauser, Ogden zone and contains a mixture of oil and water. The formation water tests approximately 23,000 mg/l TDS.

FML:fl

cc: Update
EDP


BLANKET BOND

PROJECT CODE: 051

Engineer: Floyd Leeson

Phone: 714/816-6847

Hal Bopp
State Oil and Gas Supervisor

By 
For R. K. Baker, Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator Breitbart Energy Company LLC Field Beverly Hills County Los Angeles
Well West Pico #26 Sec. 30 T. 1S R. 14 W S.B. B.&M.
A.P.I. No. 037-20926 Name Tom Myers Title Agent
(Person submitting report) (President, Secretary, or Agent)
Date 6/18/07 Signature Tom Myers
(Month, day, year)
Address 515 S. Flower St., Suite 4800 Los Angeles, CA 90071 Telephone Number (213) 225-5900

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date	CTI
11/15/2006	Moved rig to WP 26. Rigged up, nipped up BOPE and secured well. NOTE: Top of fish at 8853' with 17' 2-7/8" NSL tubing at 9380'. Left in hole 45 deg. Collar + 527' 2-7/8" NSL tubing. Added perfs in 5" liner from 8454' - 8750', 8762' - 8820', and 8840' - 8882' on 5/9/2006.
11/16/2006	Bled well. Serviced EDM tower and lubricated rig. Pulled donut. POOH with 214 joints of 2-7/8" NSL tubing. Moved 32 stands of 207/8" IF drill pipe in derrick to driller side. Installed PGSR. Picked up and made up Central Fishing Tools 4" OD x 3-1/8" ID x 20/72" washover shoe. RIH on 2-7/8" P-105 work string to 6704'. Mixed 200 barrels of KCl fluid volume. Total 450 barrels in pits. Cleaned rig floor and picked up tools. Shut in and secured well.
11/17/2006	Bled well. Serviced EDM tower and lubricated rig. Worked with rig mechanic on air compressor. IRH with Central Fishing Tools washover shoe on combination 2-7/8" P-105 work string and 2-7/8" IF drill pipe. Made up 2-7/8" IF drill pipe working stand tagged at 8847'. Conditioned and circulated KCl fluid, took 40 barrels to get circulation. Cleaned out from 8847' to 8853', washed over fish from 8853' to 8870' top of tubing collar. Had 3/4 gallon can of fin sand in returns. Circulated well clean, pumped 2 hole volumes. POOH to 6704'. Shut in and secured well. Up wt. = 66K, down wt. = 35K, ROT. Wt. = 47K. Fluid loss = 122 barrels.
11/18/2006	Bled well. Serviced EDM tower and lubricated rig and grease rack. Lowered 4" OD x 3-1/8" ID Central Fishing Tools washover shoe to 8870' no new fill. POOH and laid down Central Fishing Tools washover shoe. Picked up and made up Central Fishing Tools 4-1/8" over shot dressed with 2-7/8" grapple and 6 3-1/8" drill collars. RIH with Central Fishing Tools fishing tools on 2-7/8" P-105 work string tubing to 6696'. Shut in and secured well. Total fluid loss = 122 barrels.
11/19/2006	Bled well. Serviced EDM tower and lubricated rig. RIH with 4-1/8" over shot dressed with 2-7/8" grapple + B/S and jars + 6 3-1/8" drill collars + intensifier from 6696' to 8852'. Made up working stand. Circulated and worked over latch fish at 8853'. Jarred 88K and pulled free at 130K. POOH. Laid down 6 3-1/8" drill collars and Central Fishing Tools fishing tools and fish (recovered all of fish). RIH with 72 joints of 2-7/8" IF drill pipe, removed cross over and working stand. Repaired brake band on hydraulic tubing tongs. Laid down 72 joints of 2-7/8" IF drill pipe. RIH with 492' of 2-7/8" NSL tubing kill string. Shut in and secured well. Total fluid loss = 137 barrels.
11/20/2006	Bled well. Serviced EDM tower and lubricated rig. Unloaded 82 joints of 2-3/8" 8RD tubing. Held safety meeting with Weatherford Hydro tester and rig crew. Solid tested 2 joints of 2-3/8" 8RD tubing. Made up hydro test tools. Picked up and TIH with 45 deg. Collar + 80 joints of 2-3/8" 8RD tubing testing to 5000 psi. Changed out hydro test tools from 2-3/8" to 2-7/8". TIH with 2-7/8" NSL tubing hydro testing to 5000 psi. Hydro test tool not working, trouble shoot and changed all cups. Continued to TIH with combination 2-3/8" 8RD and 2-7/8" NSL tubing to 6616'. Hydro tested to 5000 psi. Shut in and secured well.
11/21/2006	Bled well. Serviced EDM tower and lubricated rig. Pulled 25 hydro tested stands of 2-7/8" NSL tubing and stood back on off driller side. Continued to TIH with 2-7/8" NSL tubing to 9450', no fill. Hydro tested all 2-3/8" 8RD and 2-7/8" NSL tubing to 5000 psi. Rigged down Weatherford hydro tester. POOH above perfs to 6700'. Re-arranged support bay to lay down 2-7/8" NSL and 2-3/8" 8RD tubing. POOH to 2824'. Laid down 123 joints of 2-7/8" NSL tubing. Shut in and secured well.
11/22/2006	Bled well. Serviced EDM tower and lubricated rig. Laid down 2-7/8" NSL tubing. Loaded out 82 joints of 2-7/8" drill pipe, 15 joints of 2-7/8" NSL tubing, 6 3-1/8" drill collars and wash pipe. RIH with 2-7/8" tubing. Laid down 2-7/8" NSL tubing (265 joints). RIH and laid down 2-3/8" tubing (80 joints). RIH with kill string to 516' and secured well.
11/23/2006	Loaded tubing from support bay onto truck. Serviced rig and grease rack. Cleaned rig floor and support bay. Loaded tubing from support bay onto truck. Continued cleaning. Unladed tubing (243 joints of 2-7/8" N-80 8RD, 81 joints 2-3/8" N-80 8RD). POOH with kill string. Made up 7" scraper with bumper sub. RIH picking up tubing (45 joints). Secured well.
11/24/2006	Serviced rig and EDM tower, mixed KCl. Picked up 2-7/8" tubing and RIH with 7" casing scraper (removed thread protectors). Strapped tubing, rabbited tubing. Rigged up to reverse circulate. Reverse circulated well clean at liner top (7101'). POOH with tubing to 2708', secured well.
11/25/2006	Serviced rig and EDM tower. POOH and laid down 7" scraper. Rigged up 2-3/8" tools. Made up 5" scraper, tally and picked up 2-3/8" tubing and RIH. RIH with 2-7/8" tubing. Scraper stopped at 8868'. Attempted to work through tight spot - would not go. Reverse circulated, full returns, no solids. POOH to 6889' and secured well.
11/26/2006	Serviced rig and EDM tower. POOH with tubing. Held safety meeting with tubing tester. Solid tested 7 joints of tubing. Rigged up tester. Repaired test tools. RIH testing in. Waited on extra tubing delivery. Cleaned rig. Finished testing 2-3/8" tubing. Changed over to run 2-7/8" tubing. Rigged down 2-3/8" test tools, rigged up 2-7/8" test tools. Secured well at 2793'.

11/27/2006	Serviced rig and EDM tower. RIH testing tubing to 5000#. Tagged fill at 9572'. Rigged down tubing tester. Rigged up to reverse circulate. Reverse circulated and cleaned out from 9572' to 9618'. POOH 3 stands - tubing plugged. Kelly up, tried to circulate - no results, tried to reverse - no results. POOH wet tubing to 6876', secured well.
11/28/2006	Serviced rig. POOH with we tubing. Tubing plugged with rubber and metal. RIH with tubing to 7101'. Reverse circulated clean. POOH to 6875', secured well, grease rack.
11/29/2006	Serviced rig. RIH with tubing to 9556'. Held safety meeting and rigged up cementers. RIH with tubing to 6816'. Pumped cement plug from 9618' to 9111', cement in place at 11:42am. POOH to 9120'. Reverse circulate 3 tubing volumes (trace of cement). POOH to 6874'. Reverse circulated 1 tubing volume, secured well. Waited on cement - cleaned rig and location. NOTE: Grace P. Brandt (DOGGR) inspected and witnessed BOPE and waived witness of pumping cement plug.
11/30/2006	Bled well. Serviced EDM tower and lubricated rig. RIH with combination 2-3/8" 8RD N-80 and 2-7/8" 8RD N-80 tubing and tagged cement plug at 9123'. Waited on CDOGGR. Cleaned rig location. CDOGGR Grace Brandt witnessed tag of cement plug at 9123'. POOH and laid down 50 joints of 2-3/8" 8RD N-80 tubing. Worked on accumulator control handles. RIH with 500' kill string. Shut in and secured well. Cleaned rig and location.
12/1/2006	Bled well. Serviced EDM tower and lubricated rig. Waited on Weatherford, no serviceman available. POOH with kill string. Changed oil in top drive. Cleaned rig and location. RIH with 500' kill string. Shut in and secured well. Note: Weatherford serviceman available in morning 12/2/2006.
12/2/2006	Bled well. Serviced EDM tower and lubricated rig. POOH with 500' kill string. Made up 5" and 7" Weatherford Dual Injection packer assembly. RIH to 1180. POOH and made a change on the bottom hole assembly. RIH slowly with Weatherford 5" and 7" dual injection packer assembly to 6607'. Grease rack and sheaves in crown, checked all pins in shackles. Shut in and secured well.
12/3/2006	Bled well. Serviced EDM tower and lubricated rig. RIH with 5" and 7" Weatherford Dual Injection Packer assembly on combination 2-3/8" 8RD N-80 and 2-7/8" 8RD N-80 tubing, stopped at 7550'. POOH with Weatherford Dual Packer assembly and stood back. Made up and RIH with Weatherford 5" casing scraper + B/S to 6663'. Shut in and secured well. NOTE: set down 2k at 7550' took over 4k over up weight to pull free.
12/4/2006	Bled well. Serviced DEM tower and lubricated rig. Made up working stand. RIH with 5" casing scraper + B/S on combination 2-3/8" 8RD N-80 and 2-7/8" 8RD N-80 tubing. Made several passes at 7550'. Reamed from 7550' to 8000'. POOH to 5785'. Rigged down and shut down. Rig mechanic trouble shoot problem. Found bad incoders on rig motors A and F, replaced. Shut in and secured well.
12/8/2006	Bled well and serviced rig. POOH with tubing and scraper (repaired air hose on slips). Held safety meeting with Weatherford and discussed packer running procedure. Made up packer assembly and RIH to 6920'. Secured above liner top. Greased EDM rack. Cleaned rig and BOPE.
12/9/2006	Serviced rig. RIH with packers and tagged tight spot at 6420'. Attempted to work through tight spot (no success). POOH and inspected packers for damage (none detected). Picked up and made up 7" scraper, RIH with tools to 6420'. Worked though tight spot. POOH with tubing to 1481'. Secured well.
12/10/2006	Serviced rig. POOH with tubing and laid down 7" scraper. Held safety meeting with Tiger wireline and rigged up. Calibrated tools. Ran casing caliper and collar locator logs (lost calibration, POOH). Recalibrated tool and RIH with wireline. Installed centralizers for 7" casing and ran 7" casing log. Rigged down wireline. Made up packer assembly and RIH to 2088', secured well.
12/11/2006	Serviced rig. RIH with 5" packer to 7936' and 7" to 6356'. Pumped setting ball to seat. Set packers and tested annulus to 500# for 10 minutes. Nipple down BOPE and nipped up injection tree. Made and replaced rubber o-rings for tubing hanger. Rigged down and prepared location for rig move. Released rig at 1900 hours.
3/11/2007	Held safety meeting. Tubing on vacuum, fluid level at 7965'. Casing had 65 psi. Loaded out V-door extension into support bay. Rigged up and tore down. Skid rig to WP 26 and rigged up. Attempted to bleed down casing. Casing flowing oil and gas. Production operator tank was full. Waited on production to empty tank. Cleaned rig and location. Rigged up and shipped oil and gas to production from casing. Casing at 25 psi at 1700 hours. Continued to clean location.
3/12/2007	Held safety meeting, serviced rig and EDH tower. Tubing on vacuum casing had 0 psi. Flowed 50 barrels over night. Nipped down injection tree. Nipped up BOPE. Function tested with remote. Released 7" hydraulic packer with 76K pull. Released Arrowset 1x mechanical packer right hand packer pulled 65K. POOH slowly in 5" liner and perfs. Pulled 228 joints of 2-7/8" 8RD N-80 tubing. 7" packer lost all rubber on it. Pulled 28 joints of 2-3/8" 8RD-N-80 tubing. 5" packer had all rubber left on it. RIH with 10 joints of 2-7/8" N-80 tubing. Note: All tubing looks like new.
3/13/2007	Held safety meeting, serviced rig and EDH tower. Tubing on vacuum casing had 0 psi. Flowed 50 barrels over night. Nipped down injection tree. Nipped up BOPE. Function tested with remote. Released 7" hydraulic packer with 76K pull. Released Arrowset 1x mechanical packer right hand packer pulled 65K. POOH slowly in 5" liner and perfs. Pulled 228 joints of 2-7/8" 8RD N-80 tubing. 7" packer lost all rubber on it. Pulled 28 joints of 2-3/8" 8RD-N-80 tubing. 5" packer had all rubber left on it. RIH with 10 joints of 2-7/8" N-80 tubing. Note: All tubing looks like new.
3/14/2007	Held safety meeting. Cleaned and painted rig and location. Serviced rig, checked bolts on top drive.
3/15/2007	Held safety meeting and serviced rig. POOH and picked up cement retainer. Made up tools and RIH to 6861' (RIH slowly from 6400' to 6861'). Set retainer at 6861' (sheared at 58K over string weight). Filled annulus and tested retainer at 500# for 10 minutes. Prepared for cement job, cleaned location and finished panting V-door.
3/16/2007	Held safety meeting and serviced rig. Rigged up cementers. Pumped lease water down tubing (40 barrels) 2.5 barrels per minute at 600#. Held safety meeting with cementers. Pumped cement (350 sacks). Cement in place at 1010 hours. Top of cement estimated at 6734'. POOH to 6548' and reverse circulated 3 tubing volumes (100 barrels). Rigged down cementers. POOH 84 joints. Prepared bay to lay down tubing. Laid down 138 joints of N-80 tubing and HES setting tool with stinger. RIH to 1592', secured well.
3/17/2007	Held safety meeting and serviced rig. RIH with tubing. Laid down 90 joints N-80 tubing. RIH and laid down 28 joints 2-3/8" tubing. Nipped down BOPE. Shut down to X-Ray skid track. Continued to nipple down BOPE and secure well. Picked up V-door extension and lugged down. Prepared location for rig move, moved rig. Rig released at 1830 hours.
3/22/2007	Held safety meeting and serviced EMT tower and equipment. Hung V-door extension for rig move, prepared rig for move to WP 26. Skid rig north. Removed V-door extension and stored in support bay. Removed south cellar beams. Worked with electricians. Changed out belts on safe air fans in crown of rig. Cleaned location over last well. Skid rig and rigged up on WP 26. Nipped down production tree. Nipped up BOPE. Function tested BOPE and remote.

3/24/2007 Held safety meeting and serviced EMT tower and equipment. Test ran pump and top drive. Rigged up to reverse circulate. Worked with electrician to wire up centrifuge and desander. Picked up 6-1/8" bit. Measured and picked up 4 4-3/4" drill collars. RIH with 2-7/8" hydrill tubing. Tagged cement at 6419'. Rigged up pump. Hole standing full. Drilled out 3' cement bridge to 6422'. Continue to RIH. Tagged cement at 6747'. Drilled on cement from 6747' to 6809'. Circulated hole clean.

3/25/2007 Held safety meeting and serviced EMT tower and equipment. Drilled on cement from 6809' to 6861'. Drilled on retainer from 6861' to 6864'.

3/26/2007 Held safety meeting and serviced EMT tower and equipment. Drilled on retainer and cement to 6867'. Circulated hole clean. POOH and secured well.

3/27/2007 Held safety meeting and serviced EMT tower and equipment. Rigged down PGSR. POOH. Picked up new 6-1/8" bit. RIH to 6887'. Drilled on retainer and cement.

3/28/2007 Held safety meeting and serviced EMT tower and equipment. Drilled on retainer and good cement to 7095', 5' from top of liner. Circulated hole clean. Tested casing to 500 psi for 10 minutes (OK). POOH and secured well.

3/29/2007 Held safety meeting and serviced EMT tower and equipment. POOH with tubing and laid down 4 4-3/4" drill collars and 6-1/8" bit. Changed head and liner in #1 pump. Picked up and made up 4-1/8" bit and 6 3-1/8" drill collars. Rigged up to run 2-3/8" tubing. Picked up and RIH with 63 joints of 2-3/8" tubing. Secured well.

3/30/2007 Held safety meeting and serviced EMT tower and equipment. Rigged up to run 2-7/8" tubing. RIH to 7095'. Flushed surface lines. Drilled out cement from 7095' to 7229'. Circulated hole clean and POOH above liner to 7020' and secured well.

3/31/2007 Held safety meeting and serviced EMT tower and equipment. RIH and continued drilling out from 7229' to 7556', circulated hole clean. Pulled out of liner to 7020', secured well.

4/3/2007 Held safety meeting and serviced EMT tower and equipment. Change diliner and head in pump #1. RIH and drilled out cement from 7556' to 7763'. Flushed rocks and debris from pump #1, circulated hole clean. Drilled out cement from 7763' to 7794'. Circulated hole clean and POOH to liner top at 7020', secured well.

4/4/2007 Held safety meeting and serviced EMT tower and equipment. POOH with tubing and 3-1/8" drill collars. Changed 4-1/8" bit. Made up new bit. RIH with drill collars and tubing. Broke circulation and continued drilling out cement from 7794' to 7834'. POOH above liner top to 7020'. Secured well.

4/5/2007 Held safety meeting and serviced EMT tower and equipment. RIH to 7825' and circulated. Drilled on hard cement from 7834' to 8300'. Total for day was 466'. Circulated hole clean. POOH to top of liner at 7101'. Secured well.

4/6/2007 Held safety meeting and serviced EMT tower and equipment and grease rack. Rigged up new 2-7/8" elevators. RIH to 8258' and circulated. Drilled on hard cement from 8300' to 8645'. Total for day was 346'. Circulated hole clean. POOH to top of liner at 7101'. Secured well.

4/7/2007 Held safety meeting and serviced EMT tower and equipment. RIH to 8630' and circulated. Drilled on hard cement from 8645' to 8900'. Drilled on rubber at 8889'. Dropped free at 8900' to 9000'. Circulated hole clean. POOH to 8754'. Secured well. Transferred fluid from pits to west storage tank. Cleaned pits. Filled pit with lease water and mixed 60 sacks of KCl.

4/8/2007 Held safety meeting and serviced EMT tower and equipment. RIH to 9000'. Changed hole over with 320 barrels of 3% KCl water from 9000'. POOH. Laid down 6 3-1/8" drill collars. Cleaned rig floor. Measured and picked up 5" casing scraper and bumper sub. RIH to top of liner at 7068'.

4/9/2007 Held safety meeting and serviced EMT tower and equipment. Continued to RIH with 5" casing scraper to 8000'. POOH an odd break. Laid down 1 bad joint. Stood back 14 joints of 2-3/8" tubing. Laid down 35 joints of 2-3/8" tubing in support bay. Organized tubing and rods in support bay. Picked up 5" Weatherford mechanical packer. RIH with 28 joints of 2-3/8" N-80 8RD EU tubing. 2-3/8"x2-7/8" x-over. Picked up 180 joints of 2-7/8" N-80 8RD EU tubing. EOT at 6420'. Secured well. NOTE: Chris McCullough with DOG approved variation from permit to run cement retainer. to 9175' at 12:20pm.

4/10/2007 Held safety meeting and serviced EMT tower and equipment. Continued to pick up 2-7/8" N-80 8RD EU tubing. Total 227 joints. Picked up tubing hanger and landing joint and swivel. Set Weatherford Arrowset 1-X mechanical packer at 7895' with 15k compression. Attempted to pressure casing (back side of packer) test no good. Tubing hanger leaked. Nipped down BOPE. Picked up landing joint and pulled up tubing hanger. Replaced O-rings. Landed hanger. Nipped up production tree. Pressure up backside of packer to 500 psi for 15 minutes, tested OK. DOG waived witness of pressure test. Prepared to move rig to west side. Moved skid beams to east side.

4/12/2007 Held safety meeting and serviced EMT tower and equipment. Rigged up Tiger wireline to perforate. Held safety meeting. RIH with 1" gun run through tubing - gun stopped at 7085'. POOH with wireline and rigged down. Change of orders - move to PW 9. Moved and installed extension beams for rig move. Rigged up hose and pump to neutralize storage tank.

4/28/2007 Rigged up Baker chemical truck to pump scale squeeze. Worked on safe air fans on rig. Rigged down rig extension beams. Moved rig to WP 9 and rigged up. Laid down V-door extension. Cleaned location. Nipped down production tree and nipped up BOPE and function tested. Secured well.

4/29/2007 Held safety meeting with crew and serviced rig. Released 5" packer and POOH. Cleaned rig and location, replaced antifall sala blocks safety devices and secured well.

4/30/2007 Held safety meeting with crew and serviced rig. Waited on packer delivery. Made up packer and RIH with 2-3/8" tubing, drifting. Changed out 1 joint. Rigged up 2-7/8" tubing equipment and RIH with 2-7/8" tubing, drifting, changed 3 joints. Attempted to set packer at 7896', pulled to 7865' and attempted to set packer. Rigged up to reverse circulate and reversed 50 barrels of lease water. Attempted to set packer, rigged up to circulate ahead. Circulated down tubing, attempted to set packer - packer set at 7833' in neutral. Secured well.

5/1/2007 Held safety meeting with crew and serviced rig. Nipped down BOPE. Nipped up production tree, rigged up and tested packer for 10 minutes at 500#. Continued to work on safe air fan on top drive. Prepared location and lugged down and moved rig. Released rig at 1200 hours.

5/5/2007 Perforated with 1-9/16" OD RTG guns, 1.spf 0 degree phasing with Jet Research Center Millennium Charges. 0.21" entry hole and 11.34" penetration. Perforated from: 8841' - 8882', 8762' - 8819', 8455' - 8749', 8357' - 8406', 8276' - 8319', 8048' - 8250'.

5/21/2007 Well on injection, 580 bwpd.

3G103 (6/97/GSR/5M)

SUBMIT IN DUPLICATE

Printed on recycled paper.

Attachment 2b

DOGGR Permit, and Well Summary of downhole work to convert well SW 7, API 037-21181, in 2017. (Application is not in State agency's online file)



NATURAL RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS & GEOTHERMAL RESOURCES
5816 Corporate Ave., Suite 100 Cypress, CA 90630 - 4731

No. P 117-0046

Old	New
054	054
FIELD CODE	
03	03
AREA CODE	
00	10
POOL CODE	

PERMIT TO CONDUCT WELL OPERATIONS

Water Flood
CRITICAL WELL

Cypress, California
February 22, 2017

Mr. Thomas McCollum, Agent
Pacific Coast Energy Company LP (B6127)
1555 Orcutt Hill Road
Orcutt, CA 93455

EXPIRED _____
CANCELLED _____
MAILED _____
EMAILED 2-22-17 TC

Your proposal to **rework (convert to injection)** well "SW" 7, A.P.I. No. **037-21181**, Section **30**, T. **01S**, R. **14W**, **SB** B. & M., (Lat: **34.055475** Long: **-118.390221** Datum: **NAD83**), **Beverly Hills** field, **East** area, **Miocene** pool, **Los Angeles** County, dated **1/12/2017**, received **2/10/2017** has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout Prevention Equipment (BOPE), as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
 - a. Class **II3M**, with hydraulic controls, on the **8 5/8"** casing. All casing annuli control valves must meet, or exceed, the same minimum pressure rating as the blowout prevention equipment. The pipe safety valve must be suitable for all pipe in use, including casing
 - b. A **3M lubricator** for **wireline** operations.
2. The well is designated a **CRITICAL WELL** and as such, the Notice to Operators, dated May 21, 2001, specifying additional BOPE requirements for critical wells, shall be in effect (attached).
3. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
4. This well shall conform to the provisions set forth in our letter dated **December 7, 2016**, approving the project.
5. Injection is through tubing with packer set in cemented casing immediately above the approved zone of injection.
6. Prior to commencing injection, and every **5** years thereafter, a Standard Annular Pressure Test (SAPT) is conducted to demonstrate the mechanical integrity of the **8 5/8"** casing. The minimum test pressure shall be **the Maximum Allowable Surface Pressure (MASP)**.
7. Within **90** days of commencing injection, and every **2** years thereafter, this Division shall be furnished with an injection survey that demonstrates the confinement of the injected fluid to the approved zone of injection, and the mechanical integrity of the injection tubing and packer.

(Continued on Page 2)

Blanket Bond
054-03-002

cc: Los Angeles City Fire Department
Los Angeles City of Petroleum and Natural Gas Administration

Kenneth A. Harris Jr.
State Oil and Gas Supervisor

Engineer Barry Irick
Office (714) 816-6847

By [Signature]
For: FOR Daniel J. Dudak, District Deputy

BI/bi

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended. Issuance of this permit does not affect the Operator's responsibility to comply with other applicable state, federal, and local laws, regulations, and ordinances.


Page 2
Well #: "SW" 7
API #: 037-21181
Permit : P 117-0046
Date: February 22, 2017

8. The injection gradient will be **0.6 psi/ft.** This injection gradient shall not be exceeded. A higher injection gradient may be approved by this Division subject to a step rate test conducted for this well.
9. If the results of the SRT is significantly higher than the project injection gradient of **0.6 psi/ft.**, a new SAPT may be required.
10. No program changes are made without prior Division approval.
11. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed BOPE prior to commencing **downhole** operations.
 - b. Witness an SAPT of the **8 5/8"** casing prior to commencing injection, and every **5 years** thereafter.
 - c. Witness the running of an injection survey within **90 days** of commencing injection, and every **2 years** thereafter.

NOTE:

1. All depths are based on well KB, which is 13.5' above ground level. Ground level is at elevation 171'
2. The base of the freshwater zone is at **550'±.**
3. The base of the USDW zone is at **845'±.**
4. The top of the Repetto zone (TIZ) is at **5500'±.**
5. The top of the Hauser zone is at **6480'±.**
6. No operation shall be undertaken or continued that will contaminate or otherwise damage the environment.
7. Upon completion of the proposed work, a History of Oil or Gas Well (form OG103) shall be submitted to this office, noting the effective date of reactivation.

NATURAL RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
HISTORY OF OIL OR GAS WELL

Operator Pacific Coast Energy Company LP Field Beverly Hills County Los Angeles
Well SW-07 Sec. 30 T. 1S R. 14W S.B. B.&M.
A.P.I. No. 037-21181 Name Tom McCollum Title Agent
(Person submitting report) (President, Secretary, or Agent)
Date 10/12/2017
(Month, day, year)
Address 1555 Orcutt Hill Rd., Orcutt Ca. 93455 Telephone Number (805) 937-2576
Signature  for T. McCollum

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during re-drilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Pre-Work Condition:

20"	Conductor	C. 53.5' MD
13-3/8"	48# H40	C. 1200' MD
8-5/8"	36# K55 / N80	C. 6800' MD
6-5/8"	23.6# Liner	6777 - 7919' MD
	1, 1/2" JHPF	6574'-6618', 6649'- 6690', 6706'-6750', 6802'- 6872', 6881'-6899', 6911'- 6956', 6990'-7106', 7142'- 7190', 7233'-7358', 7441'- 7456', 7473'-7507', 7544'- 7580', 7587'-7595' MD

Post-Work Condition:

20"	Conductor	C. 53.5' MD
13-3/8"	48# H40	C. 1200' MD
8-5/8"	36# K55 / N80	C. 6800' MD
6-5/8"	23.6# Liner	6777 - 7919' MD
	1, 1/2" JHPF	6574'-6618', 6649'- 6690', 6706'-6750', 6802'- 6872', 6881'-6899', 6911'- 6956', 6990'-7106', 7142'- 7190', 7233'-7358', 7441'- 7456', 7473'-7507', 7544'- 7580', 7587'-7595' MD
	4, 1/2" JHPF	6574'-6618', 6649'- 6690', 6706'-6750', 6802'- 6872', 6881'-6899', 6911'- 6956', 6990'-7106', 7142'- 7190', 7233'-7358', 7441'- 7456', 7473'-7507', 7544'- 7580' MD

Date HISTORY: CTI

- 8/02/2017 Power up rig. Move v-door into place. Move accumulator into place. Clean up location. Traveled back to yard. EOT.
NOTE: Pat Vigeant lease Forman contacted DOGGR @ 1:48 PM and spoke to Renee and scheduled a BOPE inspection for 2:00 PM on 8/3/17.
- 8/03/2017 Bled down well. N/u xo spool, riser and BOPE. Hooked up kill line. **Eric Weigand from cypress DOGGR office arrived @ 2:00 PM for BOPE inspection.** BOPE inspection was passed and paper work is signed and in place. Continued to unscrew donut studs. Unland donut. POOH with tbg detail. Closed BOPE. Secured well and rig till AM. Started to prepare and lay out new 2 7/8 tbg detail in support bay.
- 8/04/2017 Laid out new 2 7/8 tbg in support bay to measure. Unload scrapers and bumper sub. Took picture and measured 8 5/8 all weight scraper and bumper sub. M/u scraper and bumper sub. Started picking up 2 7/8 tbg detail. RIH with 8 5/8 scraper. Tagged a few spots of scale build up @ 1297' & 1638'. Worked scraper up and down through the rough spots. Pick up and ran in 134 jnts of 2 7/8 tbg. Closed BOPE and tbg valve. Secured well end rig till AM. Hooked backside up to VR.
- 8/07/2017 Bled well down. Continued to P/u and RIH with tbg detail. Tagged spot @ 5934'. Worked 8 5/8 scraper through. Continued to RIH with work string to tag 6 5/8 liner top @ 6777'. POOH with tbg detail. P/u and M/u 8 5/8 tension packer. R/u Hydro tester. Started to RIH testing tbg to 5000 psi. Closed BOPE and tbg valve. Secured well and rig till AM. Hooked backside up to VR.
- 8/08/2017 Bled well down and opened up BOPE. Continued to RIH with 8 5/8 packer and hydro testing tbg. RIH to 1505' to test packer. Set packer in tension. (40,000 over string weight) Unable to fill casing. Released packer and POOH to 733'. Set packer in tension. Unable to fill casing. Released packer and POOH to check packer. Packer looks good. RIH to 66' and set packer. Unable to fill casing. POOH and removed the unloader valve. RIH and set packer @ 58'. Unable to fill casing. Noticed slight blow up tbg. Released packer. POOH to 8' and set packer. Filled casing. Scheduled Tiger wire line for casing caliper log. Released packer. POOH and laid down packer. Closed BOPE. Secured well and rig till AM.
- 8/09/2017 Bled down well and opened up BOPE. Swapped out accumulator's. R/d hydro tester's tools. Spotted Tiger wire line truck. R/u pole and wire line sheaves. RIH with caliper tool. Logged casing from top of liner @ 6765' to surface. Consulted with engineer and lease Forman. Turned logs into lease Forman. Closed BOPE. Secured well and rig till AM.

- 8/11/2017 Bled down well. Opened up BOPE. M/u 8 5/8 retrievable lock set BP. RIH with tbg detail. Set retrievable BP @ 345'. POOH and MU 8 5/8 tension packer. RIH with tbg detail and set packer @ 98' to test the integrity of the plugs. (packer@98'-BP@345') M/u injection line to tbg. Pumped 18 bbls to fill. Pressured up to 500 ps and held solid for 5 min. Bled off pressure. Released packer. POOH with tension packer and laid it down. M/u retrieving head. RIH with tbg detail and retrieved lock set BP. RIH with tbg detail and BP to 5838'. Closed BOPE. Secured well and rig till Monday.
- 8/14/2017 Bled down well and opened up BOPE. P/u and continued to RIH with 8 5/8 BP and tbg detail. Set BP @ 6500'. POOH with tbg detail and retrieving tool. P/u and M/u 8 5/8 FB tension packer. RIH with tbg detail to 130'. Set FB packer. Hooked up injection line to tbg. Started pumping lease water @ 4:00 PM @ 1.5 BPM. Pumped 135 bbls. Shut down injection. Closed pipe rams on BOPE. Secured well and rig till AM.
- 8/15/2017 Bled down well. Opened up BOPE. Continued to fill well with injection line. (220 bbls) Set FB tension packer @ 130'. Retrievable BP set @ 6500'. R/u Ace hydro tester. Tested between plugs to 1000 psi. Held and charted for 15 minutes. Good test. Bled off pressure. Filled casing from 130' to surface. Closed pipe rams. Tested casing from 130' to surface to 1000 psi. Held and charted for 15 minutes. Good test. Bled off pressure. Released and moved FB tension packer. Tested casing from surface to 6500'. Held and charted for 15 minutes. Good test. Bled off pressure. POOH and laid down FB packer. M/u retrieving tool. RIH with tbg detail. Left 5 stands out. Closed BOPE. Secured well and rig till AM.
- 8/16/2017 Opened up well and BOPE. Casing is standing full of fluid. Continued to RIH with retrieving tool and tbg detail. Latched onto 8 5/8 BP. Opened relief valve and let fluid equalize. Slight blow up tbg. Released BP. POOH with BP and tbg detail. Laid down BP and retrieving tool. Loaded out BP and FB packer. M/u 6 5/8 scraper and bumper sub. Started to RIH with tbg detail. Closed pipe rams on BOPE. Secured well and rig till AM.
- 8/18/2017 Opened up well. 0 pressure. Opened up BOPE. Spotted wire line truck and equipment. R/u Tiger wire line for GR/CCL log. Logged casing from tag down @ 7755' to 4000'. Sent logs to engineer for correlation with open hole logs. Closed Blind rams on BOPE. R/d GR/CCL log tool. R/u xc spool for lubricator. Shut down till Monday. Secured well and rig.
- 8/21/2017 Bled well down. Opened up BOPE. R/u lubricator to wench line. Held safety meeting w/wire line. Started crane lifting perf guns to the V-door. Shut down for 3 hours. Wire line truck would not start. Started RIH with perf guns @ 10:00 AM. Used 4" slickwall wire line carrier guns. Shot 4, 1/2, 25-gram JHPF. The intervals shot are as follows. 7580'-7544', 7507'-7473', 7456'-7441', 7358'-7233', 7190'-7142'. (total 258') POOH and closed BOPE. Hooked backside up to VR. Secured well and rig till AM. Loaded 4 more guns into V-door for tomorrow morning.
- 8/22/2017 Opened backside. Well on a vacuum. Opened up BOPE. R/u wire line. Started RIH with 4" slick wall carrier guns. Shot 4, 1/2, 25-gram JHPF. The intervals shot are as follows. 7106'-6990', 6956'-6911', 6899'-6881', 6872'-6802', 6750'-6706', 6690'-6649'. There are 2 intervals left to shoot. 6618'-6574' & 6530'-6480'. R/d wire line. Closed BOPE. Hooked backside up to VR. Secured well and rig till AM. Loaded guns in V-door.
- 8/23/2017 Opened backside. Well on a vacuum. Opened up BOPE. R/u wire line. RIH with 4" slick wall carrier guns. Shot 4, 1/2, 25-gram JHPF from 6618'-6574'. (last interval) Listed all perf intervals in the well summary for a total of 636'. R/d wire line. Loaded out guns. Unload packer and scraper. M/u 8 5/8 scraper and bumper sub. RIH with tbg detail tagged liner top @ 6777'. POOH to 6000'. Closed BOPE. Hooked backside up to VR. Secured well and rig till AM.
- 8/24/2017 Casing on a vacuum. Opened up BOPE. Continued to POOH with 8 5/8 scraper and tbg detail. Laid down 8 5/8 scraper. M/u 6 5/8 scraper. RIH with tbg detail. Tagged down @ 7720'. All perfs are open. Saw no restrictions. POOH with 6 5/8 scraper to top of perfs @ 6574'. Closed BOPE. Secured well and rig till AM.
- 8/25/2017 Casing on a vacuum. Opened up BOPE. Continued to POOH with 6 5/8 scraper and tbg detail. Laid down 6 5/8 scraper. M/u 8 5/8 36# lock set packer. M/u hydro tester's bar tools. Started RIH testing tbg to 5000 psi. Hydro test truck broke down. Shut down till Monday. Closed BOPE. Secured well and rig till AM. Cleaned up location. Traveled back to yard. EOT
- 8/28/2017 Opened well and BOPE. R/u Ace Hydro Tester. Continued to RIH with 8 5/8 Loc set packer. Tested all tbg to 5000 psi. Had no failures. R/d hydro tester. Closed BOPE. Secured well and rig till AM. Cleaned up location. Traveled back to yard. EOT
- 8/29/2017 Opened well and BOPE. M/u donut. RIH and landed tbg on donut. N/d BOPE. Set 8 5/8 36# loc-set injection packer@ 6475'. (COE) Landed tbg in neutral position. Filled backside with lease water and packer fluid. (200 bbls to fill.) R/u Ace hydro tester. Tested and charted casing to 1000 psi. Held for 15 minutes. Good test. Lead operator (Miguel Campos) called DOGGR @ 1:30 PM Dale Peterson from DCGGR office arrived @ 3:45 PM to witness the test. Pressured up casing from packer to surface. Tested and charted to 1000 psi. Test passed. Paper work was signed and turned in to Lead operator. Secured well and rig till AM.
- 8/30/2017 Bled down well. Laid down landing jnt. N/u production tree with new valves. Helped plum in injections lines for injection. Turned well over to injection. Powered down rig.