

04/27/2015 DATE IN	SUSPENSE	ENGINEER PRG	LOGGED IN 5104/205	TYPE SWD	APP NO. PMA 1512458215
-----------------------	----------	-----------------	-----------------------	-------------	---------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



### ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

#### Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify \_\_\_\_\_

- SWD  
 - B & operating Inc  
 160825  
 W = 4  
 - Lacey 3454001  
 30015-4258

Revised Application  
(SECOND)

#### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners  
 [B] ☐ Offset Operators, Leaseholders or Surface Owner  
 [C] ☐ Application is One Which Requires Published Legal Notice  
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F] ☐ Waivers are Attached

POU  
 - SWD, Ch Canyon  
 Canyon  
 97003

AOR well

#### [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note:** Statement must be completed by an individual with managerial and/or supervisory capacity.

Brian Woods

See cover letter

Agent

04/27/2015

Print or Type Name

Signature

Title

Date

e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

I. PURPOSE: Secondary Recovery Pressure Maintenance XXX Disposal Storage  
Application qualifies for administrative approval? Yes No

II. OPERATOR: BC OPERATING, INC.

ADDRESS: P. O. BOX 50820, MIDLAND TX 79710

CONTACT PARTY: BRIAN WOOD (PERMITS WEST, INC.) PHONE: 505 466-8120

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? Yes XXX No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

**Lackey 34 SWD 1**  
**30-015-42998**  
**SWD; Cherry Canyon**  
**REVISED (Brushy deleted)**

\*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

\*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

\*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: BRIAN WOOD

TITLE: CONSULTANT

SIGNATURE: 

DATE: APR. 7, 2015

E-MAIL ADDRESS: brian@permitswest.com

\* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: \_\_\_\_\_

### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

**NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.**

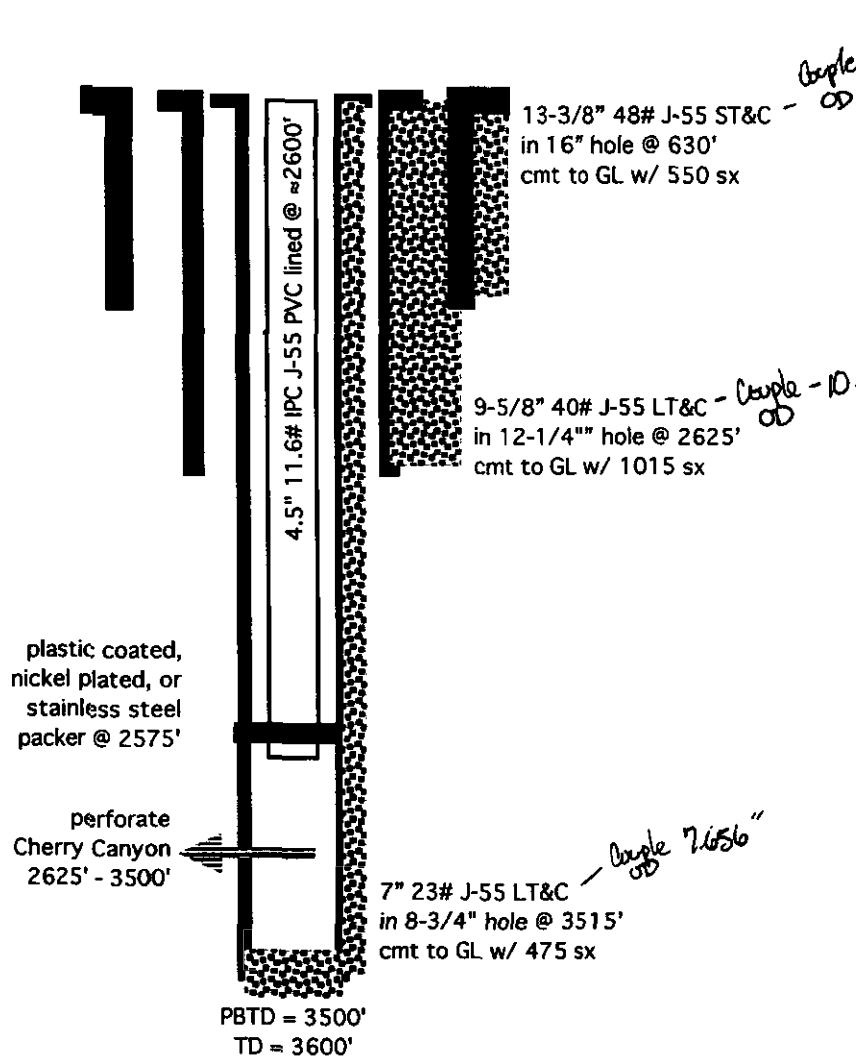
---

**NOTICE:** Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

## INJECTION WELL DATA SHEET

OPERATOR: BC OPERATING, INC.WELL NAME & NUMBER: LACKEY 34 SWD 1

WELL LOCATION: 2480 FSL & 235 FWL      L      34      23 S      26 E  
 FOOTAGE LOCATION      UNIT LETTER      SECTION      TOWNSHIP      RANGE

WELLBORE SCHEMATIC

(not to scale)

WELL CONSTRUCTION DATASurface Casing

Hole Size: 16"      Casing Size: 13-3/8"  
 Cemented with: 550 sx.      or \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: SURFACE      Method Determined: CIRCULATE

Intermediate Casing

Hole Size: 12-1/4"      Casing Size: 9-5/8"  
 Cemented with: 1,015 sx.      or \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: SURFACE      Method Determined: CIRCULATE

Production Casing

Hole Size: 8-3/4"      Casing Size: 7"  
 Cemented with: 475 sx.      or \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: SURFACE      Method Determined: CIRCULATE  
 Total Depth: SET @ 3515' PBTD = 3500 & TD = 3600'

Injection Interval2625' feet to 3500'(Perforated ~~or Open Hole~~; indicate which)

**INJECTION WELL DATA SHEET**Tubing Size: 4-1/2" Lining Material: PVCType of Packer: IPC, NICKEL PLATED, OR STAINLESS STEELPacker Setting Depth: ≈2,575'

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

**Additional Data**

1. Is this a new well drilled for injection? XXX Yes        No

If no, for what purpose was the well originally drilled? \_\_\_\_\_

2. Name of the Injection Formation: CHERRY CANYON

3. Name of Field or Pool (if applicable): SWD;CHERRY CANYON (97003)

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. N/A

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: \_\_\_\_\_

OVER: noneUNDER: BONE SPRING (5,449'), STRAWN (10,470'), & MORROW (10,946')

BC OPERATING, INC.

PAGE 1

LACKEY 34 SWD 1

2480' FSL & 235' FWL SEC. 34, T. 23 S., R. 26 E.

EDDY COUNTY, NEW MEXICO

- I. Goal is to drill a 3,600' deep commercial saltwater disposal well on private surface. Proposed disposal interval will be 2,625' - 3,500' (PBTD = 3,500') in the Cherry Canyon sand. Pool is the SWD; Cherry Canyon (97003). See Exhibit A for map and C-102.

- II. Operator: BC Operating, Inc. (OGRID 160825)  
Operator phone number: (432) 684-9696  
Operator address: P. O. Box 50820, Midland TX 79710  
Contact for Application: Brian Wood (Permits West, Inc.)  
Phone: (505) 466-8120

- III. A. (1) Lease: NMNM-017572  
Lease Size: 320 acres Closest Lease Line: 160'  
Lease Area: N2SW Section 24, N2SW Section 25, & SW4 Section 34,  
T. 23 S., R. 26 E.

- A. (2) Surface casing (13-3/8", 48#, H-40, ST&C) will be set at 630' in a 16" hole and cemented to the surface with 550 sacks.

Intermediate casing (9-5/8", 40#, J-55, LT&C) will be set at 2,625' in a 12-1/4" hole and cemented to the surface with 1,015 sacks.

Production casing (7", 23#, J-55, LT&C) will be set at 3,515' in an 8-3/4" hole and cemented to the surface with 475 sacks. Well will be plugged back to 3,600' after logging.

- A. (3) Tubing will be 4-1/2", 11.6#, J-55, PVC lined. Setting depth will be  $\approx$ 2,600'. (Disposal interval will be 2,625' to 3,500'.)

- A. (4) A plastic coated, stainless, or nickel plated packer will be set at  $\approx$ 2,575' ( $\approx$ 50' above the highest proposed perforation of 2,625').

BC OPERATING, INC.

PAGE 2

LACKEY 34 SWD 1

2480' FSL & 235' FWL SEC. 34, T. 23 S., R. 26 E.

EDDY COUNTY, NEW MEXICO

- B. (1) Disposal zone will be SWD; Cherry Canyon (97003).
- B. (2) Perforated disposal interval will be 2,625' - 3,500' in the Cherry Canyon sands.
- B. (3) Well has not yet been drilled. Goal is to complete it as a disposal well.
- B. (4) BC will perforate from 2,625' to 3,500' with 2-6 shots per foot.
- B. (5) No producing zone is above the Cherry Canyon in the area of review. The only production below the Cherry Canyon in the area of review is the Strawn (10,470' deep) and Morrow (10,946' deep). A Bone Spring well (30-015-42625) has been drilled just outside (3,106' northwest) the area of review. The drill rig was released on January 16, 2015. The well is not yet completed. Bone Spring top is 5,449'.

IV. This is not an expansion of an existing injection project. It is disposal only.

V. Exhibit B shows the 2 existing wells (1 P&A water and 1 gas) within a half-mile radius. Exhibit C shows all 65 existing wells (35 oil or gas wells + 14 P & A wells + 16 water wells or windmills) within a two-mile radius.

Exhibit D shows all leases and lessors (BLM, fee, and State) within a half-mile radius. Exhibit E shows all leases and lessors (BLM, fee, and State) within a two-mile radius. Details on the leases within a half-mile radius are:

<u>T. 23 S., R. 26 E.</u>	<u>Lessor</u>	<u>Lease Number</u>	<u>Lessee(s)</u>
N2NE4 & SWNE Sec. 33	NMSLO	LO-0912-0000	Exxon
SENE Sec. 33	NMSLO	VA-0696-0000	Beall
SE4 Sec. 33	BLM	NMNM-043534	EOG
NENW & S2NW4 Sec. 34	NMSLO	LO-6868-0001	Eastland
NWNW & NWSE Sec. 34	NMSLO	LO-0912-0000	Exxon
SWNE Sec. 34	Moore	fee	Nadel & Gussman and NI-Gas
SW4 Sec. 34	BLM	NMNM-017572	Exxon

BC OPERATING, INC.

PAGE 3

LACKEY 34 SWD 1

2480' FSL & 235' FWL SEC. 34, T. 23 S., R. 26 E.

EDDY COUNTY, NEW MEXICO

T. 24 S., R. 26 E.

Lessor

Lease Number

Lessee

Lot 4 Sec. 3

BLM

NMNM-096047

Nearburg

Lot 1 Sec. 4

BLM

NMNM-081910

Fuel Products

VI. Two existing wells are within a 2,640' radius. One of those wells penetrated the Cherry Canyon. A summary of the penetrator is attached as Exhibit F. Wells in or near the area of review are:

OPERATOR	WELL	API# or NMSEO POD#	LOCATION	ZONE(S)	STATUS	TVD	DISTANCE FROM LACKEY 34 SWD 1
V-F	Oxy Spike 1	3001528938	H-33-23s- 26e	Strawn & Morrow	Gas	12026'	1213'
Samedan	Exxon State 1	C 01724	J-34-23s- 26e	Quaternary	P&A (water)	320'	2440'
Devon	Cletus 28 State Com 4H	3001542625	P-28-23s- 26e	WC Bone Spring	Oil	6625'	3106'

- VII. 1. Average injection rate will be  $\approx$ 7,500 bwpd.  
Maximum injection rate will be 10,000 bwpd.
2. System will be open. Water will be trucked to the well.
3. Average injection pressure will be  $\approx$ 500 psi  
Maximum injection pressure will be 525 psi ( $= 0.2$  psi/foot  $\times$  2,625' (highest perforation)).
4. There has been no report of problems disposing in the closest (15-1/4 miles SSE) active Cherry Canyon (and Brushy Canyon) SWD well (30-015-41744). 242,977 barrels were disposed in June 2014 - January 2015. An approved, but not yet drilled, Cherry Canyon SWD (30-015-42690) will be 6,229' west.  
Main source of water will be produced water from Wolfcamp and Bone Spring wells. However, BC will accept produced water from other zones too. A summary of the water analyses in Exhibit G follows.



BC OPERATING, INC.

PAGE 4

LACKEY 34 SWD 1

2480' FSL & 235' FWL SEC. 34, T. 23 S., R. 26 E.

EDDY COUNTY, NEW MEXICO

Well	Boyles 24 1H	Nel 2	Thistle Unit 5
API #	3001538246	3001523759	3002534580
Location	N-24-25s-28e	I-9-23s-28e	F-34-23s-33e
Zone	Bone Spring	Cherry Canyon	Wolfcamp
Parameter mg/l			
barium (Ba)	0	0	0
bicarbonate (HCO <sub>3</sub> )	1403	61	704
calcium (Ca)	3700	19200	10500
carbon dioxide (CO <sub>2</sub> )	400	0	
chloride (Cl)	128800	100000	78366
hydrogen sulfide (H <sub>2</sub> S)	0	0	0
iron (Fe)	17	10	212.5
magnesium (Mg)	841	4636	14500
nitrate (NO <sub>3</sub> )			187
manganese (Mn)	0	0	
pH	6.69	7.2	6.7
potassium (K)	1109		43.8
sodium (Na)	69386	34488	
strontium (Sr)	483		
sulfate (SO <sub>4</sub> )	700	870	1350
total dissolved solids (TDS)	206441	159385	105950

5. An APD (30-015-32351) was filed for a Cherry Canyon test of the Yarrow; Delaware (G) pool (87800) in a well 4,131' north. There is no evidence the zone was tested or produced. There is no production in the pool from any well.

BC OPERATING, INC.

PAGE 5

LACKEY 34 SWD 1

2480' FSL & 235' FWL SEC. 34, T. 23 S., R. 26 E.

EDDY COUNTY, NEW MEXICO

Closest Cherry Canyon production is >31 miles east in 24-23s-31e in the Sand Dunes; Cherry Canyon Pool (53810). Closest Delaware production is 19,750' north in the Happy Valley; Delaware Pool (29665) at 30-015-37939 in M-10-23s-26e.

VIII. The Cherry Canyon is  $\approx$ 1,100' thick poorly consolidated fine to very fine marine sandstones with shale and carbonate layers. Injection will likely occur in the sandstones.

There is a 1,250' interval of salt and anhydrite above the top perforation. Closest underground source of drinking water above the proposed disposal interval is the Quaternary at the surface. Maximum depth to water recorded within a 2-mile radius is 233'. Maximum well depth recorded within a 2-mile radius is 320'. The closest (2,440' southeast) well (C 01724) drilled for water is a 320' deep dry hole. Next closest water well is 5,958' northeast. It, more or less, matches records for the 350' deep water right C 01246. No other water well is within a 1,843-meter (5,958') radius according to the Office of the State Engineer (Exhibit H) and a December 21, 2014 field inspection. No underground source of drinking water is below the proposed disposal interval.

Estimated formation tops are:

Quaternary = 0'  
Salado = 450'  
Base Salt = 1,700'  
Lamar carbonate = 1,700'  
Bell Canyon sand = 1,925'  
*Cherry Canyon sand = 2,625'*  
PBTD = 3,500'  
TD = 3,600'  
(Brushy Canyon sand = 3,725'  
Bone Spring limestone = 5,290'  
Strawn = 10,470'  
Atoka = 10,645'  
Morrow = 10,945'  
Mississippian = 11,970')

BC OPERATING, INC.

PAGE 6

LACKEY 34 SWD 1

2480' FSL & 235' FWL SEC. 34, T. 23 S., R. 26 E.

EDDY COUNTY, NEW MEXICO

There will be  $\approx 2,175'$  of vertical separation and the salt and anhydrite interval between the bottom of the only likely underground water source (Quaternary) and the top of the Cherry Canyon.

There are no reported problems disposing in the closest (15-1/4 miles SSE) active Cherry Canyon (and Brushy Canyon) SWD well (30-015-41744). 242,977 barrels were disposed in June 2014 - January 2015.

IX. The well will be stimulated with acid to clean out scale or fill.

X. Compensated neutron density and resistivity logs will be run.

XI. Based on a December 21, 2014 field inspection and a review of the State Engineer's records, no water well is within a one-mile radius. One water well that is 1-1/8 mile northeast was sampled at the two points. The analyses are in Exhibit I.

XII. BC Operating, Inc. is not aware of any geologic or engineering data which may indicate the Cherry Canyon is in hydrologic connection with any underground sources of water. There are 58 Cherry Canyon saltwater disposal wells active in New Mexico. Closest fault (Guadalupe) is >40 miles southwest (Exhibit J).

XIII. A legal ad (see Exhibit K) was published on January 28, 2015. Notice (this application) has been sent (Exhibit L) to the surface owner (Betty & Jerry Lackey) and all leasehold operators (Thomas Beall, Eastland Exploration, ExxonMobil, EOG, Fuel Products, Nadel & Gussman, Nearburg, NI-Gas) or other affected persons (Apache, Aquila Energy, Axis Energy, Haskell Bass Jr., William Bradshaw, BLM, Cactus Operating, Chase Oil, Chevron, CLM Production, COG, Durham Inc., First Century Oil, Fortune, Hunt Oil, Landmark Gas, Lincoln Oil & Gas, Magnum Hunter, Merit Energy, NM State Land Office, Olwick Corp., Oxy USA, Pacific Enterprises, Read & Stevens, Rholyn Ltd., Vrooman Energy, Robert Watson) within 1/2 mile.

# BC PERATING, INC.

---

PO Box 50820 • Midland, Texas 79710  
Office (432) 684-9696 • Fax (432) 686-0600

January 8, 2016

Engineering and Geological Services Bureau,  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 8705

Re: **Lackey 34 SWD #1**

Mr. Goetze,

In accordance with item XII on BC Operating, Inc.'s C-108 filed for the captioned salt water disposal well, BC Operating, Inc. has examined geologic and engineering data and has found that there is no evidence of faulting or any other hydrologic connection between the proposed disposal zone and any underground sources of drinking water.

Should you have any questions or concerns, please don't hesitate to contact me at 432.684.9696, or via email at [mmoylett@bcoperating.com](mailto:mmoylett@bcoperating.com)

BC Operating, Inc.

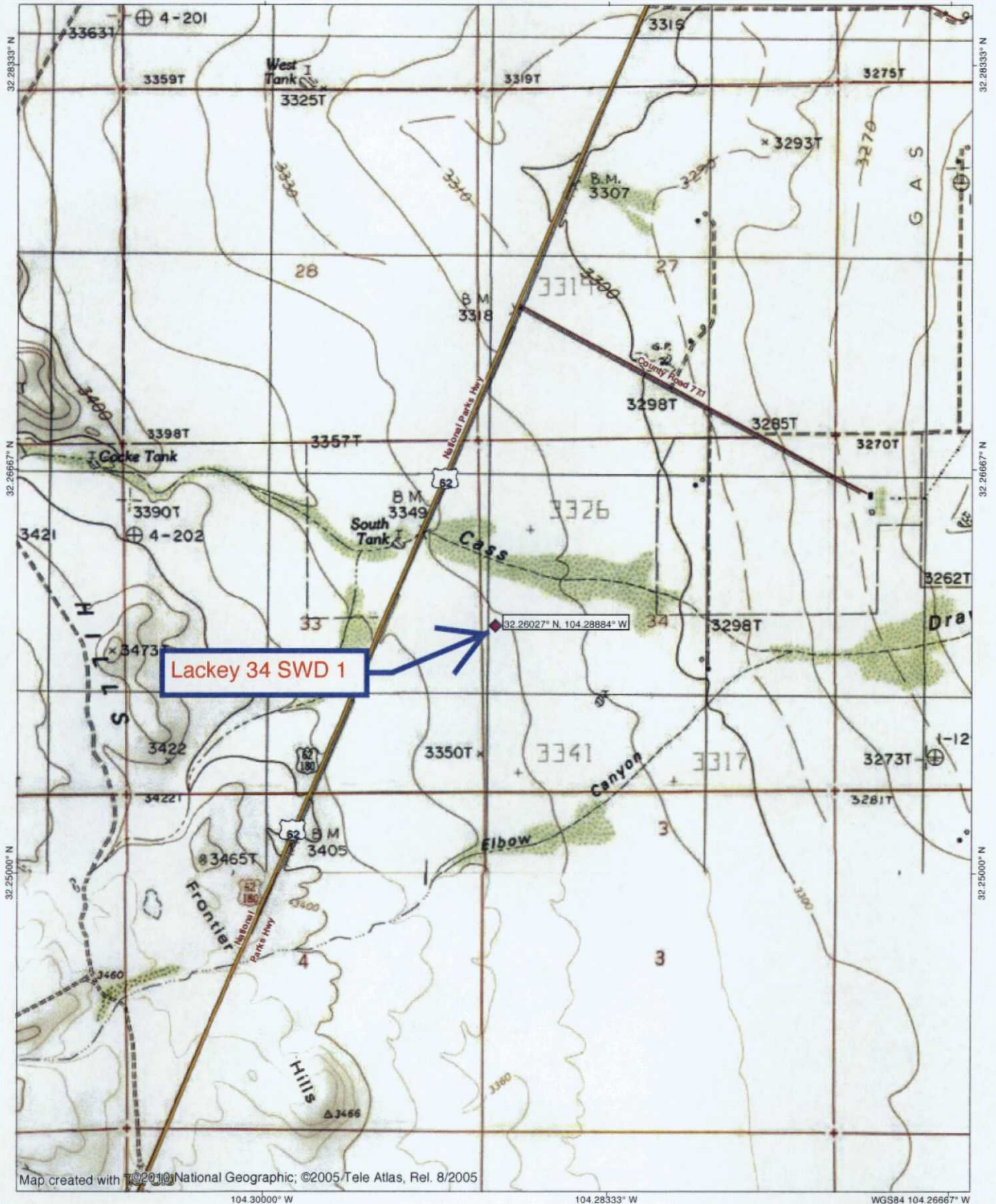
*Mike Moylett*

Mike Moylett  
Senior Geologist

104.30000° W

104.28333° W

WGS84 104.26667° W



104.30000° W

104.28333° W

WGS84 104.26667° W



EXHIBIT A

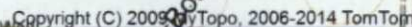
TN/MN  
7.5°  
01/25/15

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

X | AMENDED REPORT  
(pool change;  
Brushy deleted)

EXHIBIT A

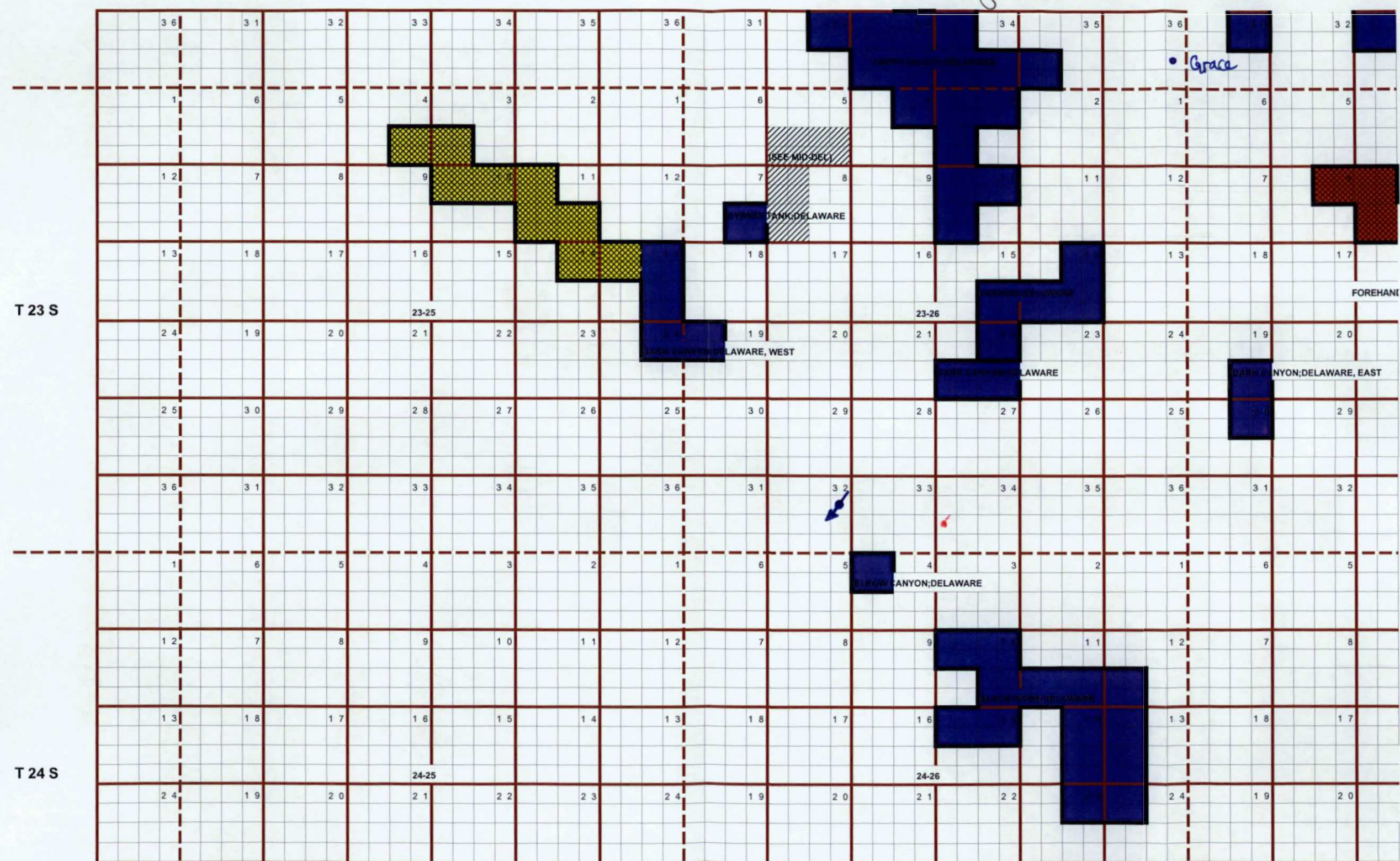




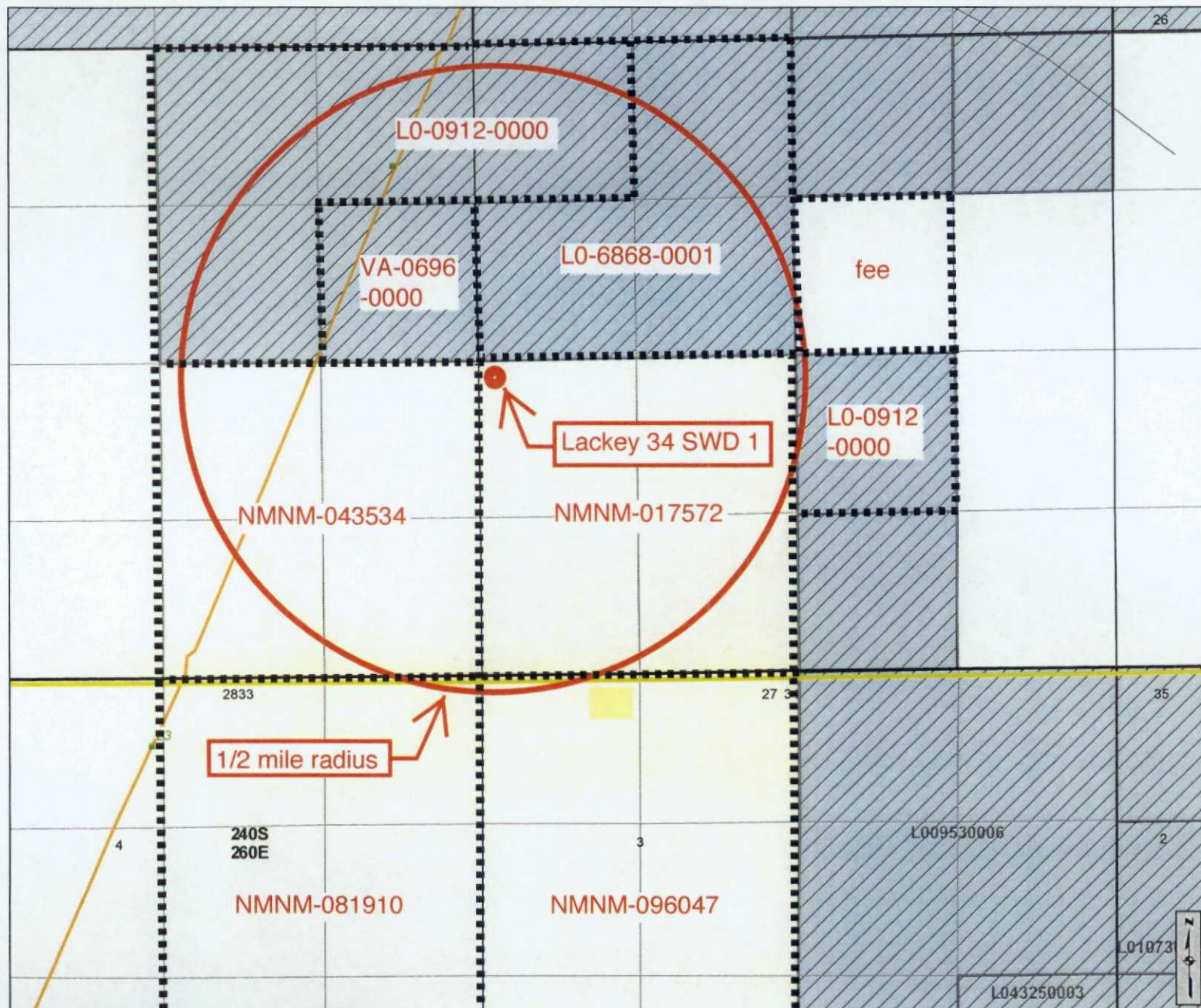
**EXHIBIT B**



Ladkey 34 SWD No. 1







# **New Mexico State Land Office** Oil, Gas and Minerals

0 0.05 0.1 0.2 0.3 0.4  
Miles  
Universal Transverse Mercator Projection, Zone 13  
1983 North American Datum

The New Mexico State Land Office assumes no responsibility or liability for, or in connection with, the accuracy, reliability or use of the information provided here, in State Land Office data layers or any other data layer.

Land Office Geographic Information Center  
logic@slo.state.nm.us

Created On: 1/25/2015 3:09:13 PM

**EXHIBIT D**

## **Cartographic Features**

- County Boundaries
- County Seats
- City, Town or Village
- SLO District Offices
- SLO District Boundary
- Hwy Mileposts
- Interstate
- NM Hwy
- US Hwy
- Local Road
- Continental Divide

## **Federal Minerals Ownership**

- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

## **State Trust Lands**

- Surface Estate
- Subsurface Estate
- Surface and Subsurface Estate

## **State Leases**

- Oil and Gas Leases
- Agricultural Leases
- Commercial Leases
- Minerals Leases
- Not Available for Oil and Gas Leasing
- Oil and Gas Leasing Influenced by Restriction

## **Oil and Gas Related Features**

- Oil and Gas Unit Boundary
- Participating Areas in Units
- Geologic Regions
- Volcanic Vents
- NMOCD Order R-111-P Potash Enclave Outline

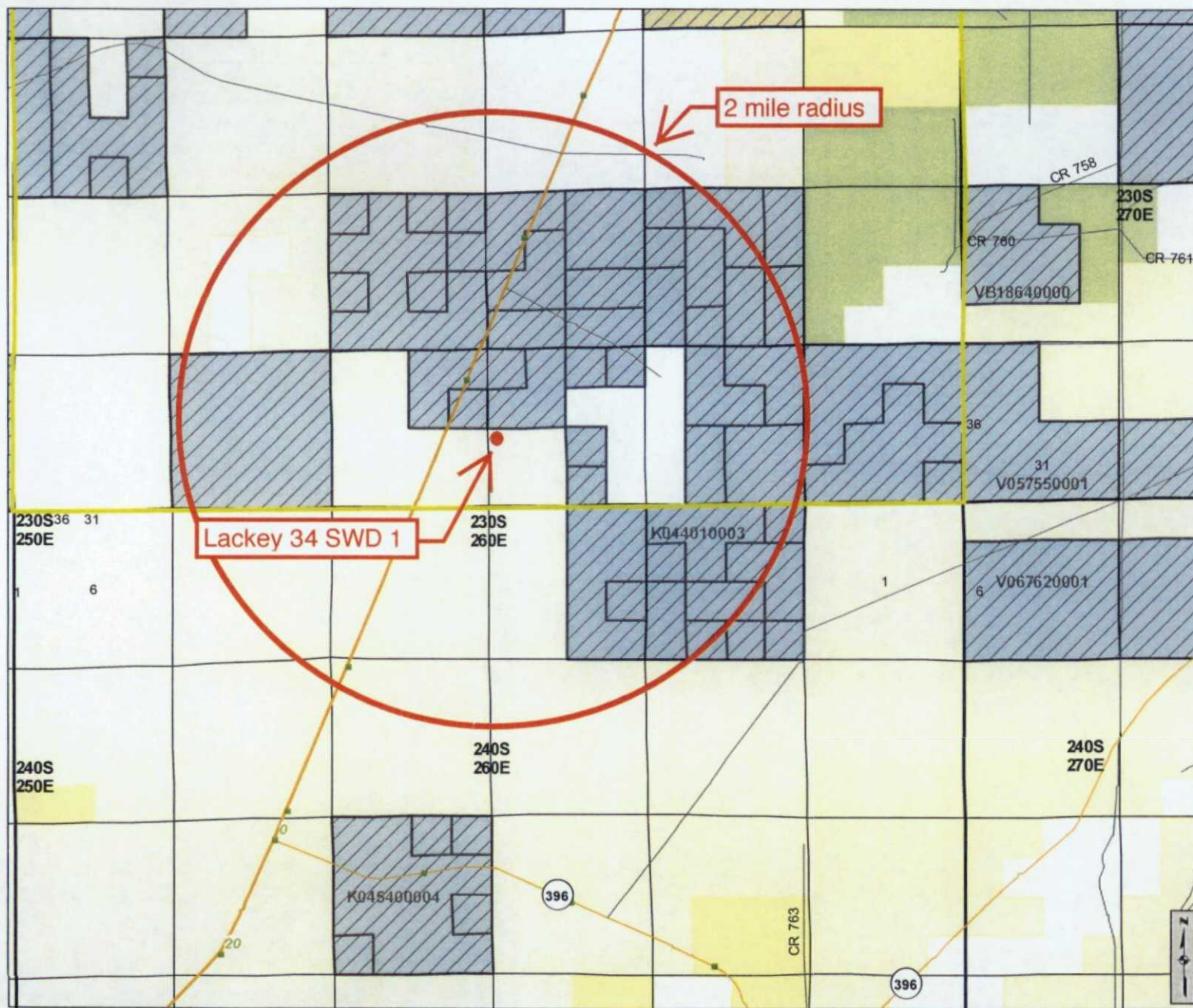
## **NMOCD Oil and Gas Wells**

- CO<sub>2</sub>
- Injection
- Oil
- Water
- Gas
- Miscellaneous
- Salt Water Disposal
- DA or PA



www.nmstatelands.org





### Cartographic Features

- County Boundaries
- County Seats
- City, Town or Village
- SLO District Offices
- SLO District Boundary
- Hwy Mileposts
- Interstate
- US Hwy
- NM Hwy
- Local Road
- Continental Divide

### Federal Minerals Ownership

- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

### State Trust Lands

- Surface Estate
- Subsurface Estate
- Surface and Subsurface Estate

### State Leases

- Oil and Gas Leases
- Agricultural Leases
- Commercial Leases
- Minerals Leases
- Not Available for Oil and Gas Leasing
- Oil and Gas Leasing Influenced by Restriction

### Oil and Gas Related Features

- Oil and Gas Unit Boundary
- Participating Areas in Units
- Geologic Regions
- Volcanic Vents
- NMOCD Order R-111-P Potash Enclave Outline

### NMOCD Oil and Gas Wells

- CO<sub>2</sub>
- Gas
- Injection
- Miscellaneous
- Oil
- Salt Water Disposal
- Water
- DA or PA

## New Mexico State Land Office Oil, Gas and Minerals

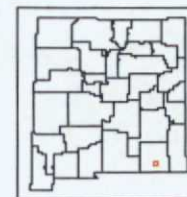
0 0.2 0.4 0.8 1.2 1.6 Miles  
Universal Transverse Mercator Projection, Zone 13  
1983 North American Datum

The New Mexico State Land Office assumes no responsibility or liability for, or in connection with, the accuracy, reliability or use of the information provided here, in State Land Office data layers or any other data layer.

Land Office Geographic Information Center  
logic@slo.state.nm.us

Created On: 1/25/2015 3:03:53 PM

**EXHIBIT E**



www.nmstatelands.org

Sorted by distance from Lackey 34 SWD 1

[illegible]

Bone Spring water  
from 30-015-38246  
(via 30-015-41401)

Bone Spring												
Lab Test #	Lease	Location	Salesman	Date Out	Sample Date	Specific Gravity	Ionic Strength	TDS	pH	conductivity	Ca (mg/L)	Mg (mg/L)
2012108003	Boyles	24 1H	William D Polk	4/18/2012	4/3/2012	1.13	3.41	206441.81	8.69		3700.88	841.87

EXHIBIT G

Bone Spring water  
from 30-015-38246  
(via 30-015-41401)

TH (CaCO3)	Na (mg/L)	K (mg/L)	Zn (mg/L)	Fe (mg/L)	Ba (mg/L)	Sr (mg/L)	Mn (mg/L)	Resistivity	HCO3 (mg/L)	CO3 (mg/L)	OH (mg/L)	SO4 (mg/L)	Cl (mg/L)	CO2 (mg/L)	H2S (mg/L)
83379.63	62970.16	1133.12	38.78	20.06	1.84	905.03	9.33		73.00	0.00		70.00	161300.00	380.00	0.00

EXHIBIT G





## Laboratory Services, Inc.

4016 Fleeta Drive  
Hobbs, New Mexico 88240  
Telephone: (505) 397-3713

Wolfcamp water  
from 30-025-34580

## Water Analysis

COMPANY Santa Fe Snyder

SAMPLE Thistle #5

SAMPLED BY R. Hicks-Pro Well

DATE TAKEN 2/23/00 7:00 am

## REMARKS

Barium as Ba	0
Carbonate alkalinity PPM	0
Bicarbonate alkalinity PPM	704
pH at Lab	6.7
Specific Gravity @ 60°F	1.09
Magnesium as Mg	14,500
Total Hardness as CaCO <sub>3</sub>	25,000
Chlorides as Cl	78,366
Sulfate as SO <sub>4</sub>	1,350
Iron as Fe	212.5
Potassium	43.8
Hydrogen Sulfide	0
BW	0.092
Total Dissolved Solids	105,950
Calcium as Ca	10,500
Nitrate	187

@ 34° C

Results reported as Parts per Million unless stated

Langelier Saturation Index 1.58

Analysis by: Vickie Walker

Date: 2/23/00

EXHIBIT G





# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)

(R=POD has been replaced  
and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)  
C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416 4	Sec	Tws	Rng	X	Y	Distance		
C 01724	C	PRO	0	SAMEDAN OIL CORPORATION	ED	C 01724					34	23S	26E	567726	3569555*	744		
C 02501	C	PRO	0	PENWELL ENERGY	ED	C 02501				2	34	23S	26E	568127	3569970*	1234		
C 01246 AC		IRR	70.28	BETTY OR JERRY LACKEY	ED	C 01246 AC-S			Shallow	3	1	1	35	23S	26E	568635	3570086*	1750
C 02925	C	PRO	0	NADEL AND GUSSMAN PERMIAN LLC	ED	C 02925				3	1	1	35	23S	26E	568635	3570086*	1750
C 01246 AC		IRR	70.28	BETTY OR JERRY LACKEY	ED	C 01246 AC			Shallow	1	1	1	35	23S	26E	568635	3570286*	1826
C 02550	C	DOM	3	MEWBOURNE OIL COMPANY	ED	C 02550				1	1	1	35	23S	26E	568635	3570286*	1826
C 02826	C	PRO	0	NEWFIELD EXPLORATION	ED	C 01246 AC			Shallow	1	1	1	35	23S	26E	568635	3570286*	1826
C 02892	C	PRO	0	NEWFIELD EXPLORATION	ED	C 02550				1	1	1	35	23S	26E	568635	3570286*	1826
C 02911	C	PRO	0	B AND H CONSTRUCTION	ED	C 02911			Shallow	1	1	1	35	23S	26E	568635	3570286*	1826
C 00367	C	CLS	0	DAVID C. SARKEN	ED	C 00367		C		3	2	28	23S	26E	566286	3571353*	1973	
C 02523	C	PRO	0	PEWELL ENERGY	ED	C 02523				3	2	28	23S	26E	566286	3571353*	1973	
C 02517	C	PRO	0	PENWELL ENERGY	ED	C 02517				2	32	23S	26E	564882	3569924*	2141		
C 02594	C	PRO	0	OXY USA	ED	C 02594				2	32	23S	26E	564882	3569924*	2141		
C 03081	C	DOL	3	LOTTIE BEA WHITE	ED	C 03081				2	4	2	05	24S	26E	565192	3568259*	2182
C 03206	C	STK	0	LOTTIE BEA WHITE KITE	ED	C 03206				2	4	2	05	24S	26E	565192	3568259*	2182
C 00535	C	CLS	0	MARTIN YATES, III	ED	C 00535		C		2	1	1	27	23S	26E	567195	3571862*	2364
C 02515	C	PRO	0	PENWELL ENERGY INC	ED	C 02515				3	2	4	29	23S	26E	564971	3570832*	2409
TU 01606		STK	3	PAJARITO CREEK RANCH LLC	GU	TU 01606 POD1												

dry hole

never drilled

sampled

misplot  
well is in Tucumcari Basin

\*UTM location was derived from PLSS - see Help

2/22/15 9:56 AM

Page 1 of 2

EXHIBIT H

ACTIVE & INACTIVE POINTS OF DIVERSION



(acre ft per annum)

(R=POD has been replaced  
and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)  
C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	6416 4	q q q	Sec	Tws	Rng	X	Y	Distance	
C 01305	C	PRO		3 WHITE RANCH COMPANY	ED	C 01544				2	2	1	32	23S	26E	564369	3570211*	2707
C 02174	C	STK		3 WALKER HOOD	ED	C 02174			Shallow		2	10	24S	26E	568143	3566804*	2941	
C 00341	C	CLS		0 MARTIN YATES	ED	C 00341	C			1	3	22	23S	26E	567090	3572566*	3060	
C 00352	C	CLS		0 MARTIN YATES, III	ED	C 00352	C			1	3	22	23S	26E	567090	3572566*	3060	
C 00398	C	CLS		0 MARTIN YATES, III	ED	C 00398	C			2	3	22	23S	26E	567500	3572579*	3115	
C 00537	C	DOM		0 CORDIE E. KING	ED	C 00537				1	4	21	23S	26E	566277	3572558*	3131	

Record Count: 24

**UTMNAD83 Radius Search (In meters):**

Easting (X): 566983

Northing (Y): 3569507

Radius: 3220 meters x 3.28 feet/meter = 10,560 feet = 2.00 miles

Sorted by: Distance

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/22/15 9:56 AM

Page 2 of 2

EXHIBIT H

ACTIVE & INACTIVE POINTS OF DIVERSION



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
& no longer serves a  
water right file.)

(R=POD has  
been replaced,  
O=orphaned,  
C=the file is  
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01724	← dry hole	C	ED				34	23S	26E	567726	3569555*	744	320		
C 01246 AC-S	← sampled		ED	3	1	1	35	23S	26E	568635	3570086*	1750	350		
C 00367	C	C	ED	3	2	28	23S	26E	566286	3571353*	1973	1909			
C 00535	C	C	ED	2	1	1	27	23S	26E	567195	3571862*	2364	1903		
C 02515	C		ED	3	2	4	29	23S	26E	564971	3570832*	2409	647		
TU 01606 POD1			GU							568196	3567383	2446	205	5	200
C 02174	C		ED	2	10		24S	26E	568143	3566804*	2941	263	233	30	
C 00341	C	C	ED	1	3	22	23S	26E	567090	3572566*	3060	1881			
C 00352	C	C	ED	1	3	22	23S	26E	567090	3572566*	3060	1867			
C 00537	C		ED	1	4	21	23S	26E	566277	3572558*	3131	400			

Average Depth to Water: **119 feet**

Minimum Depth: **5 feet**

Maximum Depth: **233 feet**

Record Count: 10

UTMNA83 Radius Search (In meters):

Easting (X): 566983

Northing (Y): 3569507

Radius: 3220

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/22/15 9:56 AM

Page 1 of 1

EXHIBIT H

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

STATE ENGINEER OFFICE  
WELL RECORD

796772  
464260  
Revised June 1972  
SANTA FE

Section 1. GENERAL INFORMATION

(A) Owner of well Samedan Oil Corp. Owner's Well No. Exxon State #1  
Street or Post Office Address 900 Wall Towers East  
City and State Midland, Texas 79701

Well was drilled under Permit No. C-1724 and is located in the:  
1980' from the South line, 1980' from the East line.  
a. 1/4 1/4 1/4 1/4 of Section 34 Township 23S Range 26E N.M.P.M.

b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_

c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
Subdivision, recorded in Eddy County.

d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in the \_\_\_\_\_ Grant.

(B) Drilling Contractor Abbott Bros. License No. WD-46  
Address P.O. Box 637, Hobbs, New Mexico 88240

Drilling Began 11/3/76 Completed 11/6/76 Type tools Cable Size of hole 8 in.

Elevation of land surface or \_\_\_\_\_ at well is \_\_\_\_\_ ft. Total depth of well 320 ft.

Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well: dry hole

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
			<b>DRY HOLE</b>	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

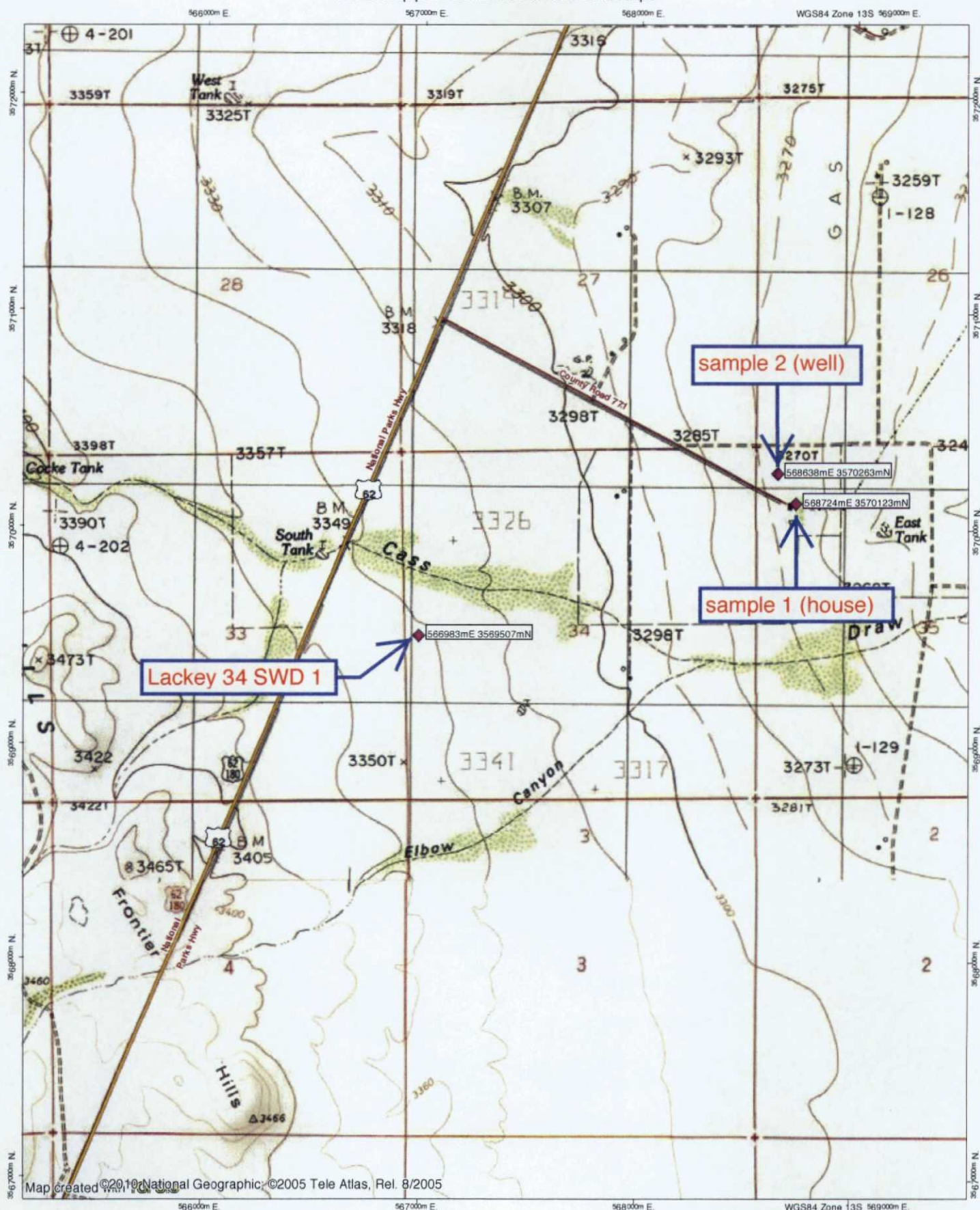
Plugging Contractor _____	<table><tr><th rowspan="2">No.</th><th colspan="2">Depth in Feet</th><th rowspan="2">Cubic Feet of Cement</th></tr><tr><th>Top</th><th>Bottom</th></tr><tr><td>1</td><td></td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td></tr></table>	No.	Depth in Feet		Cubic Feet of Cement	Top	Bottom	1				2				3				4			
No.			Depth in Feet			Cubic Feet of Cement																	
		Top	Bottom																				
1																							
2																							
3																							
4																							
Address _____																							
Plugging Method _____																							
Date Well Plugged _____																							
Plugging approved by: _____																							
State Engineer Representative _____																							

FOR USE OF STATE ENGINEER ONLY

EXHIBIT H

Date Received \_\_\_\_\_  
From \_\_\_\_\_ to \_\_\_\_\_ in \_\_\_\_\_  
Depth \_\_\_\_\_  
Per No. C-1724 Quad \_\_\_\_\_ and \_\_\_\_\_  
Location No. 23-26-34-414-1111

**DRY HOLE**



Map created ©2010 National Geographic ©2005 Tele Atlas, Rel. 8/2005

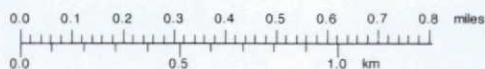


EXHIBIT I

TN-MN

7.5°

02/22/15

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1412B05

Date Reported: 1/5/2015

CLIENT: Permits West

Client Sample ID: BC Lack #1

Project: BC Lackey SWD

Collection Date: 12/21/2014 11:36:00 AM

Lab ID: 1412B05-001

Matrix: AQUEOUS

Received Date: 12/23/2014 1:23:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: lgp
Chloride	14	0.50		mg/L	1	12/24/2014 3:30:34 PM	R23387
EPA METHOD 1664A							Analyst: MRA
N-Hexane Extractable Material	25	11		mg/L	1	12/29/2014	17015
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: KS
Total Dissolved Solids	625	20.0	*	mg/L	1	12/29/2014 12:46:00 PM	17001

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 1 of 5

EXHIBIT I

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1412B05

Date Reported: 1/5/2015

CLIENT: Permits West

Client Sample ID: BC Lack #2

Project: BC Lackey SWD

Collection Date: 12/21/2014 11:57:00 AM

Lab ID: 1412B05-002

Matrix: AQUEOUS

Received Date: 12/23/2014 1:23:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: lgp
Chloride	13	0.50		mg/L	1	12/24/2014 3:55:24 PM	R23387
<b>EPA METHOD 1664A</b>							Analyst: MRA
N-Hexane Extractable Material	ND	13		mg/L	1	12/29/2014	17015
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: KS
Total Dissolved Solids	624	20.0	*	mg/L	1	12/29/2014 12:46:00 PM	17001

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 2 of 5

EXHIBIT I

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412B05

05-Jan-15

Client: Permits West  
Project: BC Lackey SWD

Sample ID	MB-17015	SampType	MBLK	TestCode	EPA Method 1664A					
Client ID	PBW	Batch ID	17015	RunNo	23442					
Prep Date	12/29/2014	Analysis Date	12/29/2014	SeqNo	692672	Units	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	ND	5.0								
Silica Gel Treated N-Hexane Extrac	ND	5.0								

Sample ID	LCS-17015	SampType	LCS	TestCode	EPA Method 1664A					
Client ID	LCSW	Batch ID	17015	RunNo	23442					
Prep Date	12/29/2014	Analysis Date	12/29/2014	SeqNo	692673	Units	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	34	5.0	40.00	0	84.7	78	114			
Silica Gel Treated N-Hexane Extrac	17	5.0	20.00	0	86.0	64	132			

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 3 of 5

EXHIBIT I

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412B05

05-Jan-15

Client: Permits West  
Project: BC Lackey SWD

Sample ID	MB	SampType	MBLK	TestCode	EPA Method 300.0: Anions					
Client ID	PBW	Batch ID	R23387	RunNo	23387					
Prep Date		Analysis Date	12/24/2014	SeqNo	690958	Units	mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Chloride		ND	0.50							

Sample ID	LCS	SampType	LCS	TestCode	EPA Method 300.0: Anions					
Client ID	LCSW	Batch ID	R23387	RunNo	23387					
Prep Date		Analysis Date	12/24/2014	SeqNo	690959	Units	mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Chloride		4.8	0.50	5.000	0	95.8	90	110		

## Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| E Value above quantitation range                  | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits      | ND Not Detected at the Reporting Limit               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1412B05

05-Jan-15

**Client:** Permits West  
**Project:** BC Lackey SWD

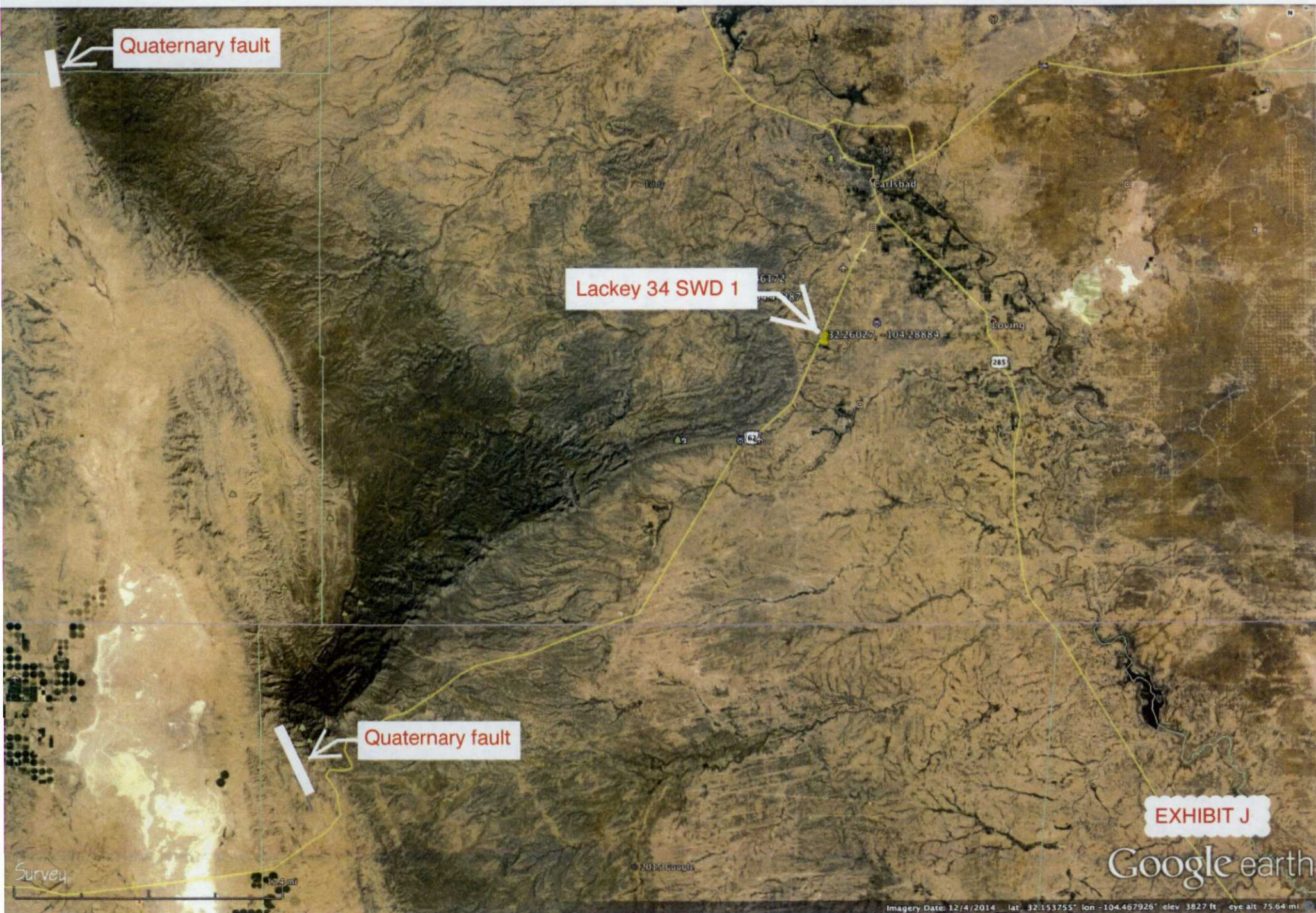
Sample ID	MB-17001	SampType:	MBLK	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	PBW	Batch ID:	17001	RunNo:	23390					
Prep Date:	12/24/2014	Analysis Date:	12/29/2014	SeqNo:	691085	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	LCS-17001	SampType:	LCS	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	LCSW	Batch ID:	17001	RunNo:	23390					
Prep Date:	12/24/2014	Analysis Date:	12/29/2014	SeqNo:	691086	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1040	20.0	1000	0	104	80	120			

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit





Quaternary fault

Lackey 34 SWD 1

Quaternary fault

EXHIBIT J

Google earth

Imagery Date: 12/4/2014 lat: 32.153755° lon: -104.467926° elev: 3827 ft eye alt: 75.64 mi



**Affidavit of Publication**

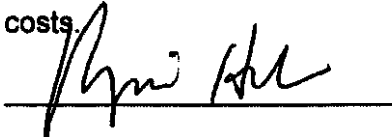
State of New Mexico,  
County of Eddy, ss.

**Rynni Henderson**, being first duly  
sworn, on oath says:

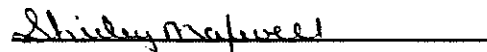
That she is the Publisher of the  
Carlsbad Current-Argus, a  
newspaper published daily at the  
City of Carlsbad, in said county of  
Eddy, state of New Mexico and of  
general paid circulation in said  
county; that the same is a duly  
qualified newspaper under the laws  
of the State wherein legal notices  
and advertisements may be  
published; that the printed notice  
attached hereto was published in the  
regular and entire edition of said  
newspaper and not in supplement  
thereof on the date as follows, to wit:

January 28 2015

That the cost of publication is **\$52.09**  
and that payment thereof has been  
made and will be assessed as court  
costs.

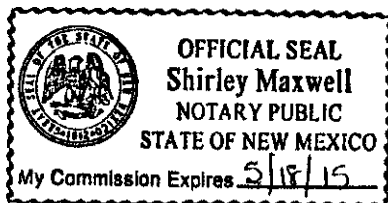


Subscribed and sworn to before me  
this 14th day of February,  
2015



My commission Expires  
May 18, 2015

Notary Public



January 28, 2015  
BC Operating, Inc. will  
apply to drill its Lady  
ey 34 #1 well as a  
saltwater disposal  
well. The well will be  
at 2480 FSL & 235  
FWL Sec. 34 T. 23 S.  
R. 26 E. Eddy County  
and is 11 miles south-  
west of Carlsbad, NM.  
Disposal will be into  
the Cherry Canyon  
and Brushy Canyon  
zones from 2625 to  
5250. Maximum In-  
jection pressure will  
be 525 psi. Maximum  
disposal rate will be  
10,000 bwpd. Inter-  
ested parties must file  
objections or requests  
for hearing with the  
NM Oil Conservation  
Division, 4220 South  
Saint Francis Dr., San-  
ta Fe, NM 87505 with-  
in 15 days. Additional  
information can be  
obtained by contact-  
ing Brian Wood, Per-  
mits West, Inc., 37  
Verano Loop, Santa  
Fe, NM 87508. Phone  
number is (505) 466-  
8120.

EXHIBIT K

**PERMITS WEST, INC.**  
**PROVIDING PERMITS for LAND USERS**  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

February 27, 2015

Jerry W. & Betty June Lackey  
110 Skinner Road  
Carlsbad NM 88220

BC Operating, Inc. is applying (see attached application) to drill its Lackey 34 SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed saltwater disposal well in Eddy County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Lackey 34 SWD 1 ID = 5,350'  
Proposed Disposal Zones: Cherry Canyon & Brushy Canyon (2,625' - 5,250')  
Location: 2480' FSL & 235' FWL Sec. 34, T. 23 S., R. 26 E.  
Approximate Location: 11 air miles southwest of Carlsbad, NM  
Applicant Name: BC Operating, Inc. (432) 684-9696, Ext. 762  
Applicant's Address: P. O. Box 50820, Midland TX 79710

Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

*Bj Ward*

7014 2670 0000 7676 9211

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a>	
OFFICIAL USE	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 87652
MAR 2 2015	
EXHIBIT L	
Sent To	
Jerry W. & Betty June Lackey	
110 Skinner Road	
Carlsbad NM 88220	
City, State, ZIP+4	

7014 2870 0000 7676 9389

**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		MAR 2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
**Aquila Ene Res Corp**  
 Street & Apt. No.,  
 10370 Richmond Ave  
 or PO Box No.  
 Houston, TX 77042  
 City, State, ZIP+4  
 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	552

Sent To  
**Haskell H. Bass Jr**  
 Street & Apt. No.,  
 6823 S Florence Ave  
 or PO Box No.  
 Tulsa, OK 74136  
 City, State, ZIP+4  
 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		MAR 2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
**BLM**  
 Street & Apt. No.,  
 620 E. Greene  
 or PO Box No.  
 Carlisbad NM 88220  
 City, State, ZIP+4  
 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

7014 2870 0000 7676 9242

7014 2870 0000 7676 9372

**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		MAR 2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
**Apache Corp**  
 Street & Apt. No.,  
 2000 Post Oak Blvd Ste 100  
 or PO Box No.  
 Houston, TX 77056  
 City, State, ZIP+4  
 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		MAR 2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
**Axis Energy Corp**  
 Street & Apt. No.,  
 PO Box 219303  
 or PO Box No.  
 Houston, TX 77218  
 City, State, ZIP+4  
 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		MAR 2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
**Thomas M. Beall**  
 Street & Apt. No.,  
 PO Box 3098  
 or PO Box No.  
 Midland, TX 79702  
 City, State, ZIP+4  
 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

7014 2870 0000 7676 9266

**EXHIBIT L**

7014 2870 0000 7676 9402

**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$		
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$	87552	

Sent To  
 Wm A. Bradshaw III  
 Street & Apt. No.,  
 or PO Box No. 701 Three Cross Dr  
 City, State, ZIP+4 Roswell NM 88201  
 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9419

**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$		
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$	87552	

Sent To  
 Wm A. Bradshaw III  
 Street & Apt. No.,  
 or PO Box No. PO Box 1518  
 City, State, ZIP+4 Roswell NM 88202  
 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9433

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$		
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$	87552	

Sent To  
 Chase Oil Corp  
 Street & Apt. No.,  
 or PO Box No. PO Box 1767  
 City, State, ZIP+4 Artesia NM 88211  
 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9426

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$		
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$	87552	

Sent To  
 Cactus Operating Co  
 Street & Apt. No.,  
 or PO Box No. 1907 W Jefferson Ave  
 City, State, ZIP+4 Lovington NM 88260  
 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9440

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$		
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$	87552	

Sent To  
 CLM Production Co  
 Street & Apt. No.,  
 or PO Box No. PO Box 881  
 City, State, ZIP+4 Roswell NM 88202  
 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9549

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$		
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$		

Sent To  
 Chevron USA Inc  
 Street & Apt. No.,  
 or PO Box No. 1400 Smith St  
 City, State, ZIP+4 Houston TX 77002  
 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

**EXHIBIT L**

7014 2870 0000 7676 9464

**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	87552
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
 Durham Inc  
 PO Box 273  
 Midland, TX 79702  
 City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

7014 2870 0000 7676 9303

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	98
Certified Fee		3.30
Return Receipt Fee (Endorsement Required)		2.90
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	6.98

Sent To  
 EOG Resources Inc  
 333 Clay St #4200  
 Houston, TX 77002  
 City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

7014 2870 0000 7676 9471

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	87552
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
 First Century Oil  
 PO Box 1518  
 Roswell, NM 88202  
 City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

7014 2870 0000 7676 9457

**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	87552
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
 COG Operating CO  
 600 W Illinois Ave  
 Midland, TX 79701  
 City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

7014 2870 0000 7676 9228

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	87552
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
 Eastland Exploration  
 PO Drawer 3488  
 Midland, TX 79702  
 City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

7014 2870 0000 7676 9235

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	87552
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
 Liz Tindol  
 Exxon Mobil Corporation  
 PO Box 4358  
 Houston, TX 77210  
 City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014

See Reverse for Instructions

**EXHIBIT L**

7014 2870 0000 7676 9488

CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®	
OFFICIAL USE	
Postage	\$ PECOS NM
Certified Fee	
Return Receipt Fee (Endorsement Required)	MAR 2 2015
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 87552
Sent To	
Street & Apt. No., or PO Box No.	Fuel Products Inc Box 3098 Midland TX 79702 City, State, ZIP+4 BC Lackey SWD
PS Form 3800, July 2014 See Reverse for Instructions	

7014 2870 0000 7676 9358

CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®	
OFFICIAL USE	
Postage	\$ PECOS NM
Certified Fee	
Return Receipt Fee (Endorsement Required)	MAR 2 2015
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 87552
Sent To	
Street & Apt. No., or PO Box No.	Fortune Natural Resources Corp 13455 Noel #2000 2 Galleria Dallas TX 75240 City, State, ZIP+4 BC Lackey SWD
PS Form 3800, July 2014 See Reverse for Instructions	

7014 2870 0000 7676 9556

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®	
OFFICIAL USE	
Postage	\$ PECOS NM
Certified Fee	
Return Receipt Fee (Endorsement Required)	MAR 2 2015
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 87552
Sent To	
Street & Apt. No., or PO Box No.	Landmark Gas Corp 5080 Spectrum #805W Dallas TX 75248 City, State, ZIP+4 BC Lackey SWD
PS Form 3800, July 2014 See Reverse for Instructions	

7014 2870 0000 7676 9310

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®	
OFFICIAL USE	
Postage	\$ PECOS NM
Certified Fee	
Return Receipt Fee (Endorsement Required)	MAR 2 2015
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 87552
Sent To	
Street & Apt. No., or PO Box No.	Hunt Oil Co 1900 N Akard St Dallas TX 75201 City, State, ZIP+4 BC Lackey SWD
PS Form 3800, July 2014 See Reverse for Instructions	

7014 2870 0000 7676 9563

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®	
OFFICIAL USE	
Postage	\$ PECOS NM
Certified Fee	
Return Receipt Fee (Endorsement Required)	MAR 2 2015
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 87552
Sent To	
Street & Apt. No., or PO Box No.	Magnum Hunter Production Inc 202 S Cheyenne Ave Ste 1000 Tulsa OK 74103 City, State, ZIP+4 BC Lackey SWD
PS Form 3800, July 2014 See Reverse for Instructions	

7014 2870 0000 7676 9495

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®	
OFFICIAL USE	
Postage	\$ PECOS NM
Certified Fee	
Return Receipt Fee (Endorsement Required)	MAR 2 2015
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 87552
Sent To	
Street & Apt. No., or PO Box No.	Lincoln Oil & Gas LLC 701 Three Cross Dr Roswell NM 88201 City, State, ZIP+4 BC Lackey SWD
PS Form 3800, July 2014	

EXHIBIT L



7014 2870 0000 7676 9587

U.S. Postal Service  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		MAR 2 2015
Return Receipt Fee (Endorsement Required)		Postmark Here
Restricted Delivery Fee (Endorsement Required)		87552
Total Postage & Fees	\$	

Sent To  
Merit Energy Partners  
13727 Noel Rd #500  
Dallas, TX 75240  
City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9570

U.S. Postal Service  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		MAR 2 2015
Return Receipt Fee (Endorsement Required)		Postmark Here
Restricted Delivery Fee (Endorsement Required)		87552
Total Postage & Fees	\$	

Sent To  
Marbob Energy Corp c/o COG  
Operating CO  
600 W. Illinois Ave  
Midland TX 79701  
City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9365

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		MAR 2 2015
Return Receipt Fee (Endorsement Required)		Postmark Here
Restricted Delivery Fee (Endorsement Required)		87552
Total Postage & Fees	\$	

Sent To  
Nearburg Expl CO LLC  
3300 N A St #120  
Midland, TX 79705  
City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9273

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		MAR 2 2015
Return Receipt Fee (Endorsement Required)		Postmark Here
Restricted Delivery Fee (Endorsement Required)		87552
Total Postage & Fees	\$	

Sent To  
Nadel & Gussman  
Permian, LLC  
601 North Marlenfeld Street  
Midland TX 79701  
City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9280

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		MAR 2 2015
Return Receipt Fee (Endorsement Required)		Postmark Here
Restricted Delivery Fee (Endorsement Required)		87552
Total Postage & Fees	\$	

Sent To  
NI-Gas Supply, Inc.  
PO Box 367  
Aurora IL 60507  
City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9259

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		MAR 2 2015
Return Receipt Fee (Endorsement Required)		Postmark Here
Restricted Delivery Fee (Endorsement Required)		87552
Total Postage & Fees	\$	

Sent To  
NM State Land Office  
PO Box 1148  
Santa Fe NM 87504  
City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014

EXHIBIT L

7014 2870 0000 7676 9327

U.S. Postal Service  
**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		MAR 2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
 Street & Apt. No., PO Box 50250  
 or PO Box No. Midland, TX 79710  
 City, State, ZIP+4 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9594

U.S. Postal Service  
**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		MAR 2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
 Street & Apt. No., Olwick Corp  
 or PO Box No. PO Box 10886  
 City, State, ZIP+4 Midland, TX 79702  
 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9341

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		MAR 2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
 Street & Apt. No., Pacific Enterprises ABC Corp  
 or PO Box No. 8235 Douglas Ave #525  
 City, State, ZIP+4 Dallas, TX 75225  
 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9334

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		MAR 2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
 Street & Apt. No., Oxy USA WTP LP  
 or PO Box No. 6 Desta DR #6000  
 City, State, ZIP+4 Midland, TX 79705  
 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9518

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		MAR 2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
 Street & Apt. No., Rhotyn Ltd  
 or PO Box No. PO Box 273  
 City, State, ZIP+4 Midland, TX 79702  
 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9501

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**

Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.**OFFICIAL USE**

Postage	\$	PECOS NM
Certified Fee		
Return Receipt Fee (Endorsement Required)		MAR 2 2015
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	87552

Sent To  
 Street & Apt. No., Read & Stevens Inc  
 or PO Box No. PO Box 1518  
 City, State, ZIP+4 Roswell, NM 88202  
 BC Lackey SWD

PS Form 3800, July 2014 See Reverse for Instructions

**EXHIBIT L**

7014 2870 0000 7676 9532

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™.

**OFFICIAL USE**

Postage		Postmark
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees		\$ 87562

Sent To	<b>Robert H. Watson</b>
Street & Apt. No., or PO Box No.	<b>3905 Futura Dr</b>
City, State, ZIP+4	<b>Roswell NM 88201</b>
	<b>BC Lackey SWD</b>

PS Form 3800, July 2014 See Reverse for Instructions

7014 2870 0000 7676 9525

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™.

**OFFICIAL USE**

Postage		Postmark
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees		\$ 87562

Sent To	<b>Vrooman Energy LLC</b>
Street & Apt. No., or PO Box No.	<b>10510 S Kingston Ave</b>
City, State, ZIP+4	<b>Tulsa OK 74137</b>
	<b>BC Lackey SWD</b>

PS Form 3800, July 2014 See Reverse for Instructions

**EXHIBIT L**

# NM OIL CONSERVATION

Submit To Appropriate District  
Two Copies  
District I  
1625 N. French Dr., Hialeah, FL 33150  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brujas Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

APR 21 2015

RECEIVED

State of New Mexico  
Energy, Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-105  
Revised August 1, 2011

1. WELL API NO.  
30-015-42625  
2. Type of Lease  
☒ STATE ☐ FEE ☐ FED/INDIAN  
3. State Oil & Gas Lease No.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:  
☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only)  
☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33: attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name  
Cletus 28 State Corn  
6. Well Number:  
4H

7. Type of Completion:  
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator  
Devon Energy Production Company, L.P.  
9. OGRID  
6137

10. Address of Operator  
333 West Sheridan Avenue, Oklahoma City, OK 73102  
11. Pool name or Wildcat  
WC-015 G-04 S232628M; Bone Spring

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	P	28	23S	26E		175	South	660	East	Eddy
BH:	A	28	23S	26E		330	North	645	East	Eddy

13. Date Spudded  
12/13/14  
14. Date T.D. Reached  
1/13/15  
15. Date Rig Released  
1/16/15  
16. Date Completed (Ready to Produce)  
3/16/15  
17. Elevations (DF and RKB, RT, GR, etc.)  
3337.7 GL

18. Total Measured Depth of Well  
11180 MD, 6608.5 TVD  
19. Plug Back Measured Depth  
11134.3  
20. Was Directional Survey Made?  
Yes  
21. Type Electric and Other Logs Run  
Laterolog / GR, Compensated Neutron

22. Producing Interval(s), of this completion - Top, Bottom, Name  
6740-11124, Bone Spring

## CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	614	17-1/2"	868 sx C/C; circ 378 sx	
9-5/8"	36#	1936.6	12-1/4"	1275 sx C/C; circ 506 sx	
		9200	Cmt Plug	1575 sx CH; circ 0	TOC @ 5679
5-1/2"	17#	11179.8	8-1/2"	795 sx Toned Light, 1310 sx CH; circ 103 sx	

## LINER RECORD

## TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8" L-80	6101.5	

26. Perforation record (interval, size, and number)  
6740 - 11124, total 632 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  
DEPTH INTERVAL  
6740-11124  
AMOUNT AND KIND MATERIAL USED  
Acidize and frac in 16 stages. See detailed summary attached.

## PRODUCTION

28. Date First Production  
3/16/15  
Production Method (Flowing, gas lift, pumping - Size and type pump)  
Flowing  
Well Status (Prod. or Shut-in)  
Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio
4/18/15	24			68	508	1945	7470.5

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr.)
431 psi	129 psi					

29. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Sold  
30. Test Witnessed By

31. List Attachments  
Directional Survey, Logs

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude Longitude NAD 1927 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature *Megan Moravec* Printed Name Megan Moravec Title Regulatory Compliance Analyst Date 4/20/2015  
E-mail Address megan.moravec@dmv.com

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

[illegible]

## OIL OR GAS SANDS OR ZONES

No. 1, from	N/A	to	N/A	No. 3, from	N/A	to	N/A
No. 2, from	N/A	to	N/A	No. 4, from	N/A	to	N/A

## IMPORTANT WATER SANDS

**Include data on rate of water inflow and elevation to which water rose in hole.**

No. 1, from ..... to ..... feet  
 No. 2, from ..... to ..... feet  
 No. 3, from ..... to ..... feet

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>	<b>Form C-105</b> Revised August 1, 2011								
		1. WELL API NO. <b>30-015-28938</b>								
		2. Type of Lease <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN								
		3. State Oil & Gas Lease No. <b>VA-696-0000</b>								
<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>										
4. Reason for filing: <input checked="" type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)		5. Lease Name or Unit Agreement Name Spike <i>Oxy</i> 6. Well Number: <b>1</b>								
7. Type of Completion: <input type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input checked="" type="checkbox"/> OTHER Add Zone: <b>MOCD ARTESIA</b>		<div style="border: 2px solid black; padding: 5px; width: fit-content; margin: auto;"> <b>RECEIVED</b>  <b>NOV 22 2013</b> </div>								
8. Name of Operator <b>V-F Petroleum Inc.</b> 9. OGRID <b>024010</b> 10. Address of Operator <b>P.O. Box 1889</b> <b>Midland, TX 79702</b>										
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	H	33	23S	26E		1980	N	660	E	Eddy
BH:										
13. Date Spudded 4/20/1996	14. Date T.D. Reached	15. Date Rig Released		16. Date Completed (Ready to Produce) 5/19/13			17. Elevations (DF and RKB, RT, GR, etc.) 3340 GR			
18. Total Measured Depth of Well 12,026'		19. Plug Back Measured Depth 10,990		20. Was Directional Survey Made? No			21. Type Electric and Other Logs Run Re-Entry			
22. Producing Interval(s), of this completion - Top, Bottom, Name										
<b>23. CASING RECORD (Report all strings set in well)</b>										
CASING SIZE	WEIGHT LB./FT.	DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED		
13 3/8"	48#	425'		17 1/2"		420		None		
8 5/8"	24# & 32#	3020'		11"		1200		None		
5 1/2"	17# & 20#	12026'		7 7/8"		400		None		
<b>24. LINER RECORD</b>										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
						SIZE	DEPTH SET	PACKER SET		
						2 3/8"	10,400'	10,337'		
26. Perforation record (interval, size, and number) 10,470-10,480"; 0.41", 21 holes 11,100-11,106"; 0.41", 13 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10,470-10,480		3500 gal 7.5% NeFe HCl		
<b>28. PRODUCTION</b>										
Date First Production 8-23-13		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 8-23-13	Hours Tested 24	Choke Size 16/64	Prod'n For Test Period	Oil - Bbl	Gas - MCF 28	Water - Bbl.	Gas - Oil Ratio			
Flow Tubing Press. 400#	Casing Pressure Packer	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF 28	Water - Bbl.	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						30. Test Witnessed By Wayne Luna				
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude Longitude NAD 1927 1983										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.										
Signature <i>Eric Sprinkle</i>			Printed Name Eric Sprinkle		Title Engineering Technician			Date 10/25/13 <i>9</i>		
E-mail Address: eric@vfpetroleum.com										

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn 10,470'	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka 10,644'	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss 11,968'	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinbry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 1902'	T. Morrison	
T. Drinkard	T. Bone Springs 5449'	T. Todilto	
T. Abo	T. Morrow 10,946'	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....  
 No. 2, from.....to..... No. 4, from.....to.....

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
0	425	425	Surface Rock				
425	1114	689	Red Bed & Anhy				
1114	1487	373	Dolo & Anhy				
1487	3390	1903	Sand & Lime				
3390	4290	900	Sand & Shale				
4290	5160	870	Sand				
5160	8300	3140	Lime & Shale				
8300	9475	1175	Lime, Sand, & Shale				
9475	10238	763	Lime & Shale				
10238	10624	386	Lime				
10624	11585	961	Lime & Shale				
11585	12026	441	Lime, Sand, & Shale				





## C-108 Review Checklist:

Received 05/14/15 Add. Request: Additional info & surface location Reply Date: 11/23/16 Suspended: DMG & VF well issue (original application cancelled) [Ver 16]ORDER TYPE: WFX / PMX (SWD) Number: 1609Order Date: 11/23/16Legacy Permits/Orders: DMG & VF well issue (original application cancelled)Well No. 1Well Name(s): Lackey 34 SWDAPI: 30-0 15-42998Spud Date: TBPNew or Old: New (UIC Class II Primacy 03/07/1982)Footages (New) 2400' FSL / 235' FWL Lot — or Unit L Sec 34 Tsp 23S Rge 26E County EddyGeneral Location: ~9.5 miles S of Carlsbad / E of 180 Pool: SWD, Cherry Canyon Pool No.: 97003BLM 100K Map: Carlsbad Operator: BC Operating, Inc. OGRID: 160825 Contact: Permits West/B. WoodCOMPLIANCE RULE 5.9: Total Wells: 247 Inactive: 5 Fincl Assur: ES Compl. Order? NO IS 5.9 OK? Yes Date: 11/23/16WELL FILE REVIEWED ☒ Current Status: APD approved - amended APD for shallower intervalWELL DIAGRAMS: NEW: Proposed ☒ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: —Planned Rehab Work to Well: — New drill —

Well Construction Details		Sizes (in)	Setting	Cement	Cement Top and
		Borehole / Pipe	Depths (ft)	Sx or Cf	Determination Method
Planned <input checked="" type="checkbox"/> or Existing <u>Surface</u>	<u>16</u> / <u>13 3/8</u>	<u>0 to 630</u>	Stage Tool	<u>550</u>	<u>Cir. to surface</u>
Planned <input checked="" type="checkbox"/> or Existing <u>Interm/Prod</u>	<u>12 1/4</u> / <u>9 5/8</u>	<u>0 to 2625</u>	<u>None</u>	<u>1015</u>	<u>Cir. to surface</u>
Planned <input checked="" type="checkbox"/> or Existing <u>Interm/Prod</u>	<u>8 3/4</u> / <u>7</u>	<u>0 to 2515</u>	<u>None</u>	<u>473</u>	<u>Cir. to surface</u>
Planned <input type="checkbox"/> or Existing <u>Prod/Liner</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Planned <input type="checkbox"/> or Existing <u>Liner</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Planned <input checked="" type="checkbox"/> or Existing <u>OH / PERF</u>	<u>8 3/4</u> / <u>7</u>	<u>2625 to 3500</u>	Inj Length		
Injection Lithostratigraphic Units:		Depths (ft)	Injection or Confining Units	Completion/Operation Details:	
Adjacent Unit: Litho. Struc. Por.				Drilled TD <u>3600</u> PBDT <u>3500</u>	
Confining Unit: Litho. Struc. Por.				NEW TD <u>—</u> NEW PBDT <u>—</u>	
Proposed Inj Interval TOP:				NEW Open Hole <input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/>	
Proposed Inj Interval BOTTOM:				Tubing Size <u>4 1/2</u> in. Inter Coated? <u>Yes</u>	
Confining Unit: Litho. Struc. Por.				Proposed Packer Depth <u>2525</u> ft	
Adjacent Unit: Litho. Struc. Por.				Min. Packer Depth <u>2525</u> (100-ft limit)	
				Proposed Max. Surface Press. <u>525</u> psi	
				Admin. Inj. Press. <u>525</u> (0.2 psi per ft)	
AOR: Hydrologic and Geologic Information					
POTASH: R-111-P <u>NA</u> Noticed? <u>—</u> BLM Sec Ord <u>NA</u> WIPP <u>NA</u> Noticed? <u>—</u> Sal/Salado T: <u>450</u> B: <u>1700</u> NW: <u>Cliff House fm NA</u>					
FRESH WATER: Aquifer <u>Alluvial/possible Rustler</u> Max Depth <u>&lt;150'</u> HYDRO AFFIRM STATEMENT By Qualified Person <input checked="" type="checkbox"/>					
NMOSE Basin: <u>Carlsbad</u> CAPITAN REEF: thru <u>adj</u> <u>NA</u> <input checked="" type="checkbox"/> No. GW Wells in 1-Mile Radius? <u>0</u> FW Analysis? <u>NA</u>					
Disposal Fluid: Formation Source(s) <u>Wolfcamp / Bone Spring</u> Analysis? <u>Yes</u> On Lease <input type="checkbox"/> Operator Only <input type="checkbox"/> or Commercial <input checked="" type="checkbox"/>					
Disposal Interval: Inject Rate (Avg/Max BWPD): <u>7500/10000</u> Protectable Waters? <u>No</u> Source: <u>L</u> <u>7</u> System: <u>Closed</u> or <u>Open</u>					
HC Potential: Producing Interval? <u>No</u> Formerly Producing? <u>No</u> Method: Logs/DST/P&A <u>Other</u> <u>Needs data</u> 2-Mile Radius Pool Map <input checked="" type="checkbox"/>					
AOR Wells: 1/2-M Radius Map? <u>Yes</u> Well List? <u>Yes</u> Total No. Wells Penetrating Interval: <u>2</u> Horizontals? <u>(1 proposed)</u>					
Penetrating Wells: No. Active Wells <u>1</u> Num Repairs? <u>1</u> on which well(s)? <u>OK Spike 1 (30-015) 28938</u> Diagrams? <u>Yes</u>					
Penetrating Wells: No. P&A Wells <u>1</u> Num Repairs? <u>0</u> on which well(s)? <u>—</u> Diagrams? <u>Yes</u>					
NOTICE: Newspaper Date <u>01/28/2015</u> Mineral Owner <u>BLM</u> Surface Owner <u>Private/Lackey</u> N. Date <u>03/20/15</u>					
RULE 26.7(A): Identified Tracts? <u>Yes</u> Revised Location <u>—</u> Affected Persons: <u>Apala/Bass/Axis Energy/Beall/+17 corp. &amp; NMSLO</u> N. Date <u>03/20/15</u>					

Order Conditions: Issues: Unknown hydrocarbon (low potential), formation parting pressure  
Add Order Cond: Mudlog / SRT prior to injection, \*remedial work on VF well (30-015-28938)  
Carlsbad 11/7/2016

## Goetze, Phillip, EMNRD

---

**From:** Caleb Hopson <chopson@bcoperating.com>  
**Sent:** Thursday, October 6, 2016 1:20 PM  
**To:** Goetze, Phillip, EMNRD  
**Cc:** Jones, William V, EMNRD; McMillan, Michael, EMNRD; Lowe, Leonard, EMNRD; Billy Moore; Art Carrasco  
**Subject:** RE: Review Issue for the Lackey 34 SWD No. 1 - Second Application

Good Afternoon Mr. Goetze –

We have finalized an agreement with VF Petroleum as well as fully completed the C-145 transfer of operatorship with the NMOCD regarding the Oxy Spike well. Our technical team will be out on location towards the latter part of next week completing the necessary remedial work on the Oxy Spike well, so that the Lackey 34 SWD well will now be in compliance with NMOCD rules.

Once the remedial work on the Oxy Spike well has been completed, what is the next step in order to get the Lackey 34 SWD approved?

Thanks,

Caleb Hopson  
**BC Operating, Inc.**  
4000 N. Big Spring, ste 310  
Midland, Tx 79705  
OFF: 432-684-9696 ext. 762


 **BC OPERATING, INC.**  
*Crown Oil Partners V, LP*  
*Crump Energy Partners II, LLC*

---

**From:** Caleb Hopson  
**Sent:** Thursday, July 28, 2016 9:12 AM  
**To:** 'Goetze, Phillip, EMNRD' <Phillip.Goetze@state.nm.us>  
**Cc:** Jones, William V, EMNRD <WilliamV.Jones@state.nm.us>; McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>; Lowe, Leonard, EMNRD <Leonard.Lowe@state.nm.us>; Billy Moore <bmoore@bcoperating.com>  
**Subject:** RE: Review Issue for the Lackey 34 SWD No. 1 - Second Application

Mr. Goetze – My technical staff has informed me that we are now in compliance with rule 5.9. Can you confirm? Also, we are finalizing our deal with VF Petroleum soon. Please advise if any additional info is needed. Thanks for your help.

Caleb Hopson  
**BC Operating, Inc.**  
4000 N. Big Spring, ste 310  
Midland, Tx 79705  
OFF: 432-684-9696 ext. 762

 **BC OPERATING, INC.**  
*Crown Oil Partners V, LP*  
*Crump Energy Partners II, LLC*

**From:** Goetze, Phillip, EMNRD [<mailto:Phillip.Goetze@state.nm.us>]  
**Sent:** Wednesday, July 20, 2016 9:39 AM  
**To:** Caleb Hopson <[chopson@bcoperating.com](mailto:chopson@bcoperating.com)>  
**Cc:** Jones, William V, EMNRD <[WilliamV.Jones@state.nm.us](mailto:WilliamV.Jones@state.nm.us)>; McMillan, Michael, EMNRD <[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)>; Lowe, Leonard, EMNRD <[Leonard.Lowe@state.nm.us](mailto:Leonard.Lowe@state.nm.us)>  
**Subject:** RE: Review Issue for the Lackey 34 SWD No. 1 - Second Application

Caleb:

Thank you for the information in support of the application. One item not tied to the content of the application, but needs to be addressed before an order is approved, is BC Operating's Rule 5.9 compliance status. Today's summary of inactive wells shows BC Operating with nine (9) IA wells. BC Operating is allowed five (5) under rule. You might want to take this to management and resolve this item while the application is being revisited. There are no issues with regards to financial assurance. Call with any questions. PRG

Phillip R. Goetze, PG  
Engineering Bureau  
Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, NM 87505  
Direct: 505.476.3466  
E-mail: [phillip.goetze@state.nm.us](mailto:phillip.goetze@state.nm.us)



**From:** Caleb Hopson [<mailto:chopson@bcoperating.com>]  
**Sent:** Wednesday, July 20, 2016 8:05 AM  
**To:** Goetze, Phillip, EMNRD <[Phillip.Goetze@state.nm.us](mailto:Phillip.Goetze@state.nm.us)>  
**Cc:** Jones, William V, EMNRD <[WilliamV.Jones@state.nm.us](mailto:WilliamV.Jones@state.nm.us)>  
**Subject:** RE: Review Issue for the Lackey 34 SWD No. 1 - Second Application

Mr. Goetze – Thanks for taking my phone call this morning. As we discussed, BC Operating is in the final stages of a deal with VF Petroleum regarding the Oxy Spike #1 well. They have agreed to let us take over operations of this wellbore and seal the annulus in the section that is equivalent to 3,500'.

We plan to spud a well less than 3 miles NE of the proposed Lackey SWD towards the end of August.

Please advise if any additional information is needed. Thank you.

Caleb Hopson  
BC Operating, Inc.  
4000 N. Big Spring, ste 310  
Midland, Tx 79705  
OFF: 432-684-9696 ext. 762

**BC OPERATING, INC.**  
Crown Oil Partners V, LP

Crump Energy Partners II, LLC

**From:** Goetze, Phillip, EMNRD [<mailto:Phillip.Goetze@state.nm.us>]  
**Sent:** Monday, January 11, 2016 5:26 PM  
**To:** Caleb Hopson <[chopson@bcoperating.com](mailto:chopson@bcoperating.com)>  
**Cc:** Jones, William V, EMNRD <[WilliamV.Jones@state.nm.us](mailto:WilliamV.Jones@state.nm.us)>  
**Subject:** Review Issue for the Lackey 34 SWD No. 1 - Second Application

Caleb:

The review of the second application has provided a unique situation that needs to be addressed. One of the two wells in the Area of Review, the Spike No. 1 (30-015-28938), has a cement completion which provides a possible conduit behind casing to deeper formations including the Bone Spring and possible Bradenhead issues for the Spike No. 1 (see attached PDF). There are two possible solutions – re-enter the Spike and seal the annulus in the section that is equivalent to 3500' (remedial cement work), or reduce the injection interval by reducing the lower portion to the same projected depth (based on a mean sea level datum) as the shoe of the 8 5/8-inch casing of the Spike No. 1. The Spike No. 1 is up-dip of the proposed SWD location, but it is within a ¼ mile of the proposed well which will have a commercial disposal status. Please discuss and see what BC wishes to pursue. And always open to alternatives. Thanks. PRG

Phillip R. Goetze, PG  
Engineering and Geological Services Bureau  
Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, NM 87505  
Direct: 505.476.3466  
e-mail: [phillip.goetze@state.nm.us](mailto:phillip.goetze@state.nm.us)



**From:** Caleb Hopson [<mailto:chopson@bcoperating.com>]  
**Sent:** Friday, January 08, 2016 1:21 PM  
**To:** Goetze, Phillip, EMNRD <[Phillip.Goetze@state.nm.us](mailto:Phillip.Goetze@state.nm.us)>  
**Cc:** Billy Moore <[bmoore@bcoperating.com](mailto:bmoore@bcoperating.com)>  
**Subject:** RE: Lackey 34 SWD No. 1 - Second Application

Mr. Goetze-

Thank you for the update. Attached for your records, please find our affirmation statement for faults and hydrologic connectivity with protectable waters. Please let us know if any additional information is needed.

Thanks again,

Caleb Hopson  
BC Operating, Inc.  
4000 N. Big Spring, ste 310  
Midland, Tx 79705  
OFF: 432-684-9696 ext. 762

# BC OPERATING, INC.

Crown Oil Partners V, LP  
Crump Energy Partners II, LLC

---

**From:** Goetze, Phillip, EMNRD [<mailto:Phillip.Goetze@state.nm.us>]

**Sent:** Friday, January 08, 2016 10:21 AM

**To:** Caleb Hopson <[chopson@bcoperating.com](mailto:chopson@bcoperating.com)>

**Subject:** Lackey 34 SWD No. 1 - Second Application

Caleb:

I have the application, started the review, then placed it to the side as result of other business that was designated more important. The application I have is the second version which reduced the interval as a result of protests by Operators with projects in the lower Brushy Canyon. I put on today's project list and will contact you next week with the results. Meanwhile, I would request that BC Operating provide a written affirmation statement for faults and hydrologic connectivity with protectable waters (see attachment) by a qualified individual (i.e. geologist, engineer, environmental scientist, etc.) to go with the application. Brian Wood's applications are very good, but the affirmation statement has to be made by an individual and not a generic company name as the party. Just e-mail a copy when possible. Thanks. Call/e-mail with any questions. PRG

Phillip R. Goetze, PG

Engineering and Geological Services Bureau

Oil Conservation Division

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

Direct: 505.476.3466

e-mail: [phillip.goetze@state.nm.us](mailto:phillip.goetze@state.nm.us)



and Long Drilling History / Spike #1 history in schematic form 111206

12/06/2013

Well: Spike #1  
Location: 1980' FNL 660' FEL  
Unit H Sec 33 T-23-S R-36-E  
of Eddy County, New Mexico  
API# 30-015-28938

Operator: V-F Petroleum Inc  
Field:  
Elevation: GL= 3340  
KB-GL= 18  
KB= 3358

Top Depth	Tops	Perfs	Hole Sz	Casing & Cement	Top Depth
200			17 1/2"		200
425				13 3/8" 48# CSG w/ 400 ss CMT	425
600			11"		600
1000					1000
1400					1400
1800					1800
2200	Delaware Sand @ 1,902'				2200
2600					2600
3020				8 5/8" 24# & 32# CSG w/ 1200 ss CMT	3020
3400			7 7/8"		3400
3800					3800
4200					4200
4600					4600
5000					5000
5400					5400
5800	Bone Spring @ 5,449'				5800
6200					6200
6600					6600
7000					7000
7200					7200
7400					7400
7600					7600
7800					7800
8000					8000
8100					8100
8200					8200
8300					8300
8400					8400
8500					8500
8600					8600
8700					8700
8800					8800
8900					8900
9000					9000
9100					9100
9200					9200
9300					9300
9400					9400
9500					9500
9600				TOC 9,590' by CBL	9600
9700					9700
9800					9800
9900					9900
10000					10000
10100					10100
10200				5/13: Pkr @ 10337	10200
10300				5/13: 2 3/8" Tbg @ 10400	10300
10400	Strawn @ 10,470'	5/13: 10470-10480			10400
10500					10500
10600	Atoka @ 10,644'				10600
10700					10700
10800					10800
10900	Morrow @ 10,946'			5/13: BP @ 10990	10900
11000					11000
11050					11050
11100					11100
11150					11150
11200					11200
11250				05/13: CIBP @ 11220 + 35" CMT	11250
11300		1996: 11285-11299			11300
11350					11350
11400					11400
11450					11450
11500					11500
11550					11550
11600		2012: 11577-11581			11600
11650		2012: 11628-11634			11650
11700				2012: CIBP @ 11646	11700
11750		1996: 11741-11748			11750
11800		1996: 11773-11776			11800
11850					11850
11900					11900
11950					11950
12005					12005
12026				5 1/2" 17# & 20# CSG w/ 400 ss CMT	12026

Remedial  
amt required  
as part of  
order

**RECEIVED**  
DEC 10 2013  
NMOCD ARTESIA

REMARKS: All work done prior to 2013 was done by OXY.



Submit 1 Copy To Appropriate District

Office

District I - (575) 393-6181

1625 N. French Dr., Hobbs, NM 88240

District II - (575) 748-1283

811 S. First St., Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Rd., Aztec, NM 87410

District IV - (505) 476-3460

1220 S. St. Francis Dr., Santa Fe, NM

87505

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

Revised July 18, 2013

NM OIL CONSERVATION

NOV 07 2016

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

WELL API NO. 30-015-28938
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name OXY SPIKE
8. Well Number 1
9. OGRID Number 160825
10. Pool name or Wildcat FRONTIER HILLS: STRAWN (GAS)
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator BC OPERATING, INC.

3. Address of Operator P.O. BOX 50820  
MIDLAND, TX 79710

4. Well Location  
Unit Letter H : 1980 feet from the NORTH line and 660 feet from the EAST line  
Section 33 Township 23S Range 26E NMPM EDDY County

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

10/22/2016 - 2nd SQUEEZE PROCEDURE STARTED AND FINISHED

\*\*SEE ATTACHED RESULTS AND WELLBORE DIAGRAM\*\*

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

*Sarah Presley*

TITLE REGULATORY ANALYST

DATE 11.7.2016

Type or print name:

SARAH PRESLEY

E-mail address: SPRESLEY@BCOPERATING.COM PHONE:

For State Use Only

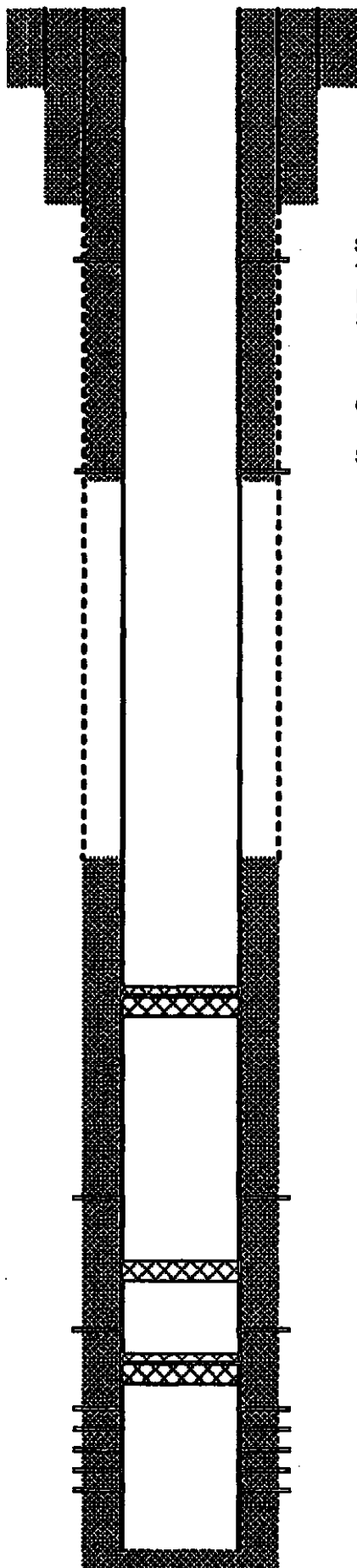
APPROVED BY:

*Shelby 2 Birl*

TITLE COMPLIANCE OFFICER

DATE 11/8/2016

Conditions of Approval (if any):



13 1/2" 48# @ 400' Circ to surface

8 1/2" 24# & 32# @ 3,020' Circ to surface

Squeeze #2 holes @ 3,450'

TOC

First Squeeze @ 3,465'

Second Squeeze @ Surface (circ 76 sx)

Cement Retainer @ ± 4,850'

Squeeze #1 holes @ ± 5,000'

TOC @ 9,590' (CBL)

Bridge Plug @ ± 9,800' w/35' sand

Packer @ 10,337'

2 1/2" Tubing - EOT @ 10,400'

Strawn Perfs 10,470' to 10,480' 2013

RBP @ 10,990'

Atoka Perfs 11,100' to 11,106' 2013

CIBP @ 11,220' w/25' cmt

Morrow Perfs 11,285' to 11,299' 1896

Morrow Perfs 11,557' to 11,581' 2013

Morrow Perfs 11,628' to 11,634' 2013

Morrow Perfs 11,741' to 11,748' 1896

Morrow Perfs 11,773' to 11,776' 1996

5 1/2" 17# - 20# @ 12,026' TOC @ 9,590' (CBL)

## Spike #1

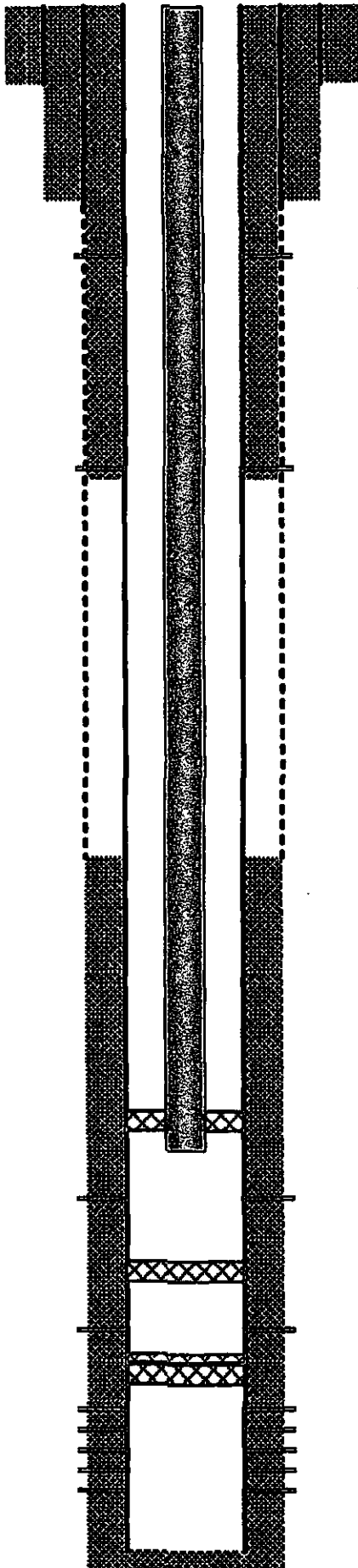
Second Squeeze Job

**NM OIL CONSERVATION**

ARTESIA DISTRICT

NOV 07 2016

**RECEIVED**



13 3/4" 48# @ 400' Circ to surface

8 1/2" 24# & 32# @ 3,020' Circ to surface

Squeeze #2 holes @ 3,450'

TOC

- First Squeeze @ 3,485'
- Second Squeeze @ Surface (circ 76 sx)

Cement Retainer @ ± 4,950'

Squeeze #1 holes @ ± 5,000'

TOC @ 9,590' (CBL)

Packer @ 10,334' (left hand set)

2 3/4" 4.7 #/ft 8rd L80 Tubing

Strawn Perfs 10,470' to 10,480' 2013

RBP @ 10,990'

Atoka Perfs 11,100' to 11,106' 2013

CIBP @ 11,220' w/25' cmt

Morrow Perfs 11,285' to 11,299' 1996  
 Morrow Perfs 11,557' to 11,581' 2013  
 Morrow Perfs 11,628' to 11,634' 2013  
 Morrow Perfs 11,741' to 11,748' 1996  
 Morrow Perfs 11,773' to 11,776' 1996

5 1/2" 17# - 20# @ 12,026' TOC @ 9,590' (CBL)

**Spike #1**

On Production  
 (October 26, 2016)

**NM OIL CONSERVATION**  
 ARTESIA DISTRICT

NOV 07 2016

RECEIVED

**From:** "Allison M Gill" <[AGill@clf-co.com](mailto:AGill@clf-co.com)>  
**Date:** July 19, 2016 at 2:46:41 PM MDT  
**To:** Harmon Murphy <[hmurphy@bcoperating.com](mailto:hmurphy@bcoperating.com)>  
**Subject:** RE: Red Light Proposal

10-4 thanks.

**From:** Harmon Murphy [<mailto:hmurphy@bcoperating.com>]  
**Sent:** Tuesday, July 19, 2016 3:13 PM  
**To:** Allison M Gill  
**Subject:** RE: Red Light Proposal

nope

Harmon Murphy  
Senior Landman  
BC Operating, Inc.  
4000 North Big Spring  
Suite 310  
Midland, TX 79705  
Office: 432-684-9696  
Cell: 225-246-5127  
Fax: 432-686-0600  
[hmurphy@bcoperating.com](mailto:hmurphy@bcoperating.com)

**From:** Allison M Gill [<mailto:AGill@clf-co.com>]  
**Sent:** Tuesday, July 19, 2016 3:11 PM  
**To:** Harmon Murphy  
**Subject:** Red Light Proposal

One last question I should have asked...

If we do not want to sell our interest, but we want to hold off on deciding how to participate until the JOA/Order comes out... do we even need to return the participation election letter?

Allison

→ BC Operating Ex. 10-A

**PERMITS WEST, INC.**  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

April 25, 2015

Phil Goetze  
NM Oil Conservation Div.  
1220 S. St. Francis Drive  
Santa Fe NM 87505

Dear Phil,

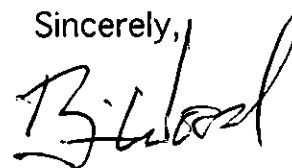
I submitted a saltwater disposal well application package for BC's Lackey 34 SWD 1 (30-015-42998) in March. That application sought approval to dispose into the Brushy Canyon and Cherry Canyon zones. COG, Mewbourne, and Nadel and Gussman Permian protested the application.

BC Operating negotiated with the 3 parties. All 3 agreed that deleting the Brushy Canyon would resolve their concerns. Therefore, the Brushy Canyon has been deleted and the revised application package is attached. BC is now seeking approval to dispose only into the Cherry Canyon

Correspondence from COG and Jim Bruce who represents Mewbourne and Nadel and Gussman Permian withdrawing their objections is attached.

Please call me if you have any questions.

Sincerely,



Brian Wood

cc: Hopson

RECEIVED OCD  
2015 APR 27 A 8:49





**OCEAN MUNDS-DRY**  
Senior Attorney

April 23, 2015

VIA E-MAIL

Mr. David Catanach, Director  
Oil Conservation Division  
New Mexico Department of Energy, Minerals and Natural Resources  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

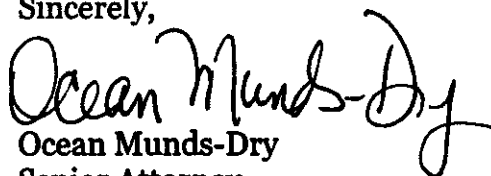
Re: Application of BC Operating, Inc. for salt water disposal in Section 34,  
Township 23 South, Range 26 East, NMPM, Eddy County, New Mexico.

Dear Mr. Catanach:

Recently, COG Operating LLC ("Concho") objected to BC Operating, Inc.'s ("BC") Application for Authorization to Inject in the Lackey 34 SWD Well No. 1 Section 34, Township 23 South, Range 26 East, NMPM, Eddy County, New Mexico. Since that time, BC and Concho have been in discussions regarding the application and Concho no longer objects to the application.

Accordingly, Concho withdraws its objection to BC Operating, Inc.'s application. Thank you for your time and attention to this matter.

Sincerely,

  
Ocean Munds-Dry  
Senior Attorney  
COG Operating LLC

cc: Caleb Hopson via email

**CORPORATE ADDRESS**

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701  
PHONE 432.683.7443 | FAX 432.683.7441

**LOCAL ADDRESS**

1048 Paseo De Peralta | Santa Fe, New Mexico 87501  
PHONE 505.780.8000 | FAX 505.428.0485

**From:** "Caleb Hopson" <chopson@bcoperating.com>  
**Subject:** FW: BC Operating/Lackey 34 SWD No. 1 application  
**Date:** April 24, 2015 9:39:14 AM MDT  
**To:** "Brian Wood" <brian@permitswest.com>

---

**From:** jamesbruc@aol.com [mailto:jamesbruc@aol.com]  
**Sent:** Friday, April 24, 2015 10:24 AM  
**To:** phillip.goetze@state.nm.us  
**Cc:** chopson@bcoperating.com  
**Subject:** BC Operating/Lackey 34 SWD No. 1 application

Phillip: Nadel and Gussman Permian, LLC and Mewbourne Oil Company hereby withdraw their objections to the above application.

Jim Bruce

**Goetze, Phillip, EMNRD**

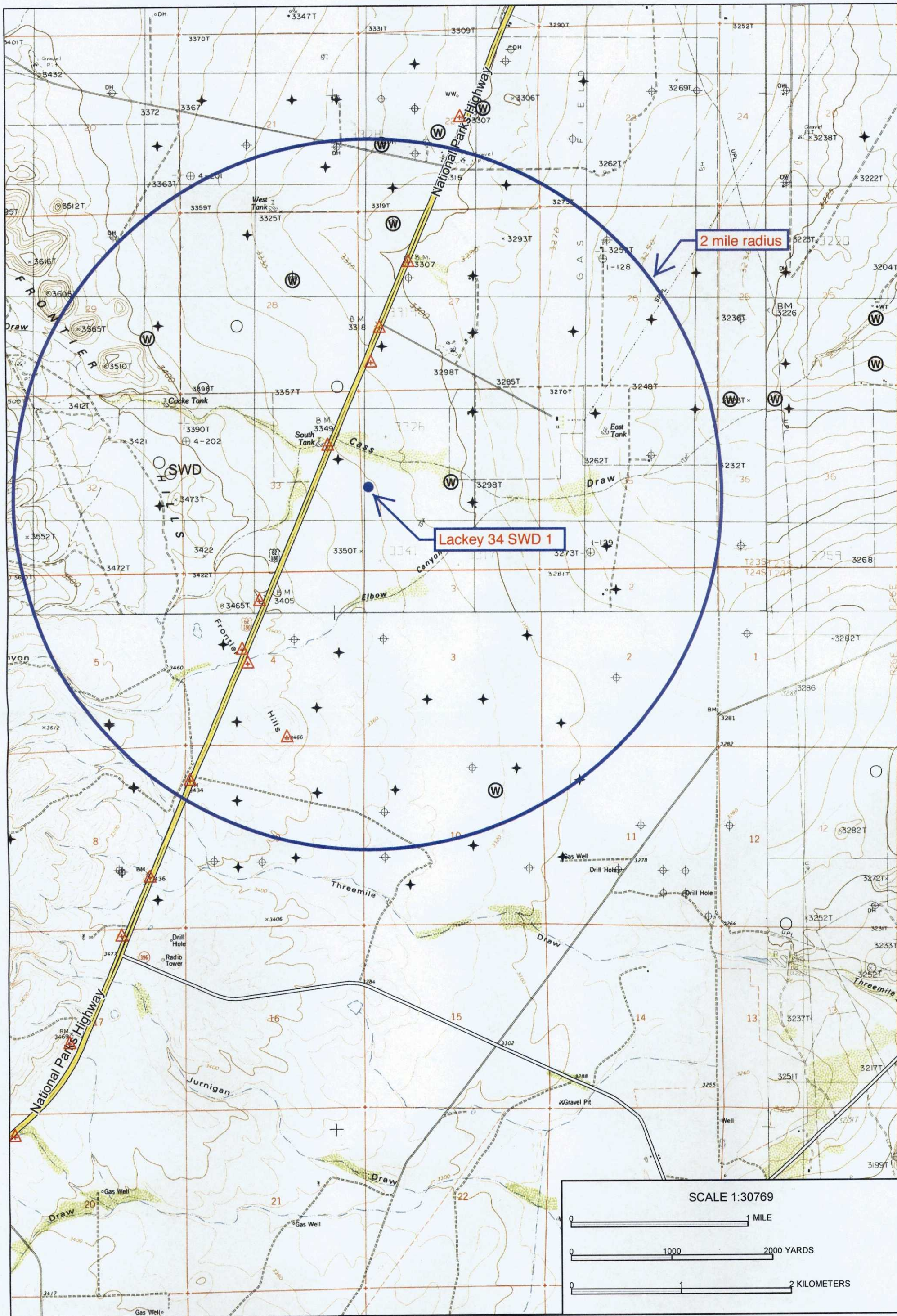
---

**From:** jamesbruc@aol.com  
**Sent:** Friday, April 24, 2015 9:24 AM  
**To:** Goetze, Phillip, EMNRD  
**Cc:** chopson@bcoperating.com  
**Subject:** BC Operating/Lackey 34 SWD No. 1 application

Phillip: Nadel and Gussman Permian, LLC and Mewbourne Oil Company hereby withdraw their objections to the above application.

Jim Bruce





Quad: BLACK RIVER VILLAGE  
Scale: 1 inch = 2,564 ft.

EXHIBIT C



**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: Cletus 28 State Com 4H		Field: Happy Valley	
Location: SEC 28 T23S R26E		County: Eddy	State: NM
Elevation: 3362 KB; 3337 GL; 25' KB to GL		Spud Date: 12/13/14	Compl Date: 3/16/2015
API#: 30-015-42625	Prepared by: Brent Schroder	Date: 10/12/15	Rev:

**CURRENT WELLBORE SCHEMAT**

Top of Salt	668'
Base of Salt	1,694'
Top Delaware	1,885'
Top 1st Bone Spring	6,176'
Top 2nd Bone Spring	6,376'

22" Hole  
20" 948, H40, @ 145'  
Cmt'd to surface

17-1/2" Hole  
13-3/8" 48H, H40, @ 614'  
Cmt'd w/ 868 sx to surf

TOC @ 730' (CBL)

12-1/4" Hole  
9-5/8" 36H, 1-55, @ 2,530'  
Cmt'd w/ 985 sx to surf

8-3/4" hole  
5-1/2" 17H, P110, @ 11,179'  
Cmt'd w/ 795 sx lead, 1310 sx tail  
TOC @ 730' (cbl)

Top Perf @ 6,984' MD

11,179' MD  
6,608' TVD

FC @ 11,134' MD

Perforated from 6,984'-11,124' (OA)

Pilot/  
Cont to  
5679'

TD 9200