

DATE IN 7/2/15	SUSPENSE	ENGINEER WJD	LOGGED IN	TYPE SWD	APP NO. PMTS 1518446528
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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 \_\_\_\_\_

#### [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

#### [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.

Steve Pattee  
Print or Type Name

Signature

Title

Date

Steve@longquist.com  
e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. OPERATOR: OWL SWD Operating, LLC

ADDRESS: 8214 Westchester Dr., Ste. 850, Dallas, TX 75255

CONTACT PARTY: Preston Carr

PHONE: 855-695-7937

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 X 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.).

\*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: Stephen L. Pattee

TITLE: Manager of Regulatory Affairs

SIGNATURE: \_\_\_\_\_

DATE: 6-25-15

E-MAIL ADDRESS: steve@lonquist.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: \_\_\_\_\_

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

### 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.

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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.

# LONQUIST & CO. LLC

AUSTIN  
HOUSTON

PETROLEUM  
ENGINEERS

ENERGY  
ADVISORS

WICHITA  
CALGARY

[www.lonquist.com](http://www.lonquist.com)

RECEIVED-OGD

2015 JUL -2 A 10:29

June 25, 2015

New Mexico Energy, Minerals, and Natural Resources Department

Oil Conservation Division

1220 South St. Francis Drive

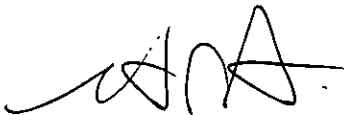
Santa Fe, New Mexico 87505

Attention: William V. Jones, P.E., District IV Supervisor

Mr. Jones:

Attached for your review is Form C-108, Application for Authorization to Inject, and its supplemental documents prepared on behalf of OWL SWD Operating, LLC's for their proposed Mills North SWD No. 1. In addition, Forms C-101 and C-102 have also been included. Per our prior conversation, the injection interval has been moved below the Delaware Mountain Group to the Devonian Formation.

Regards,



Stephen L. Pattee

Manager of Regulatory Affairs

512.600.1774

[steve@lonquist.com](mailto:steve@lonquist.com)

## INJECTION WELL DATA SHEET

OPERATOR: OWL SWD Operating, LLCWELL NAME & NUMBER: Mills North SWD No. 1WELL LOCATION: 200' FSL & 237' FEL  
FOOTAGE LOCATIONP  
UNIT LETTER35  
SECTION21S  
TOWNSHIP32E  
RANGEWELLBORE SCHEMATIC

Attached

WELL CONSTRUCTION DATASurface CasingHole Size: 24"Casing Size: 20"Cemented with: 1,146 sx. (100% excess)or \_\_\_\_\_ ft<sup>3</sup>Top of Cement: surfaceMethod Determined: circulationIntermediate Casing 1Hole Size: 17.500"Casing Size: 13.625"Cemented with: 4,586 sx. (100% excess)or \_\_\_\_\_ ft<sup>3</sup>Top of Cement: surfaceMethod Determined: circulationIntermediate Casing 2Hole Size: 12.250"Casing Size: 10.750"Cemented with: 2,713 sx. (50% excess)or \_\_\_\_\_ ft<sup>3</sup>Top of Cement: surfaceMethod Determined: circulation

Production Liner

Hole Size: 8.750"

Casing Size: 7"

Cemented with: 728 sx. (50% excess)

*or* \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: 11,800'

Method Determined: Logging

Total Depth: 16,800'

Injection Interval

15,800 feet to 16,800 feet

(Perforated or Open Hole; indicate which)

**INJECTION WELL DATA SHEET**

Tubing Size: 5-1/2" 17 lb/ft P-110, BT&C / 5-1/2" 23 lb/ft P-110, flush joint Lining Material: Duoline

Type of Packer: 7" D&L Oil Tools Permapak Packer – Single Bore

Packer Setting Depth: 15,700'

Other Type of Tubing/Casing Seal (if applicable): N/A

Additional Data

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

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

\_\_\_\_\_

2. Name of the Injection Formation: Devonian - Silurian

3. Name of Field or Pool (if applicable): SWD; Devonian – Silurian (97869)

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. No, this is a new drill.

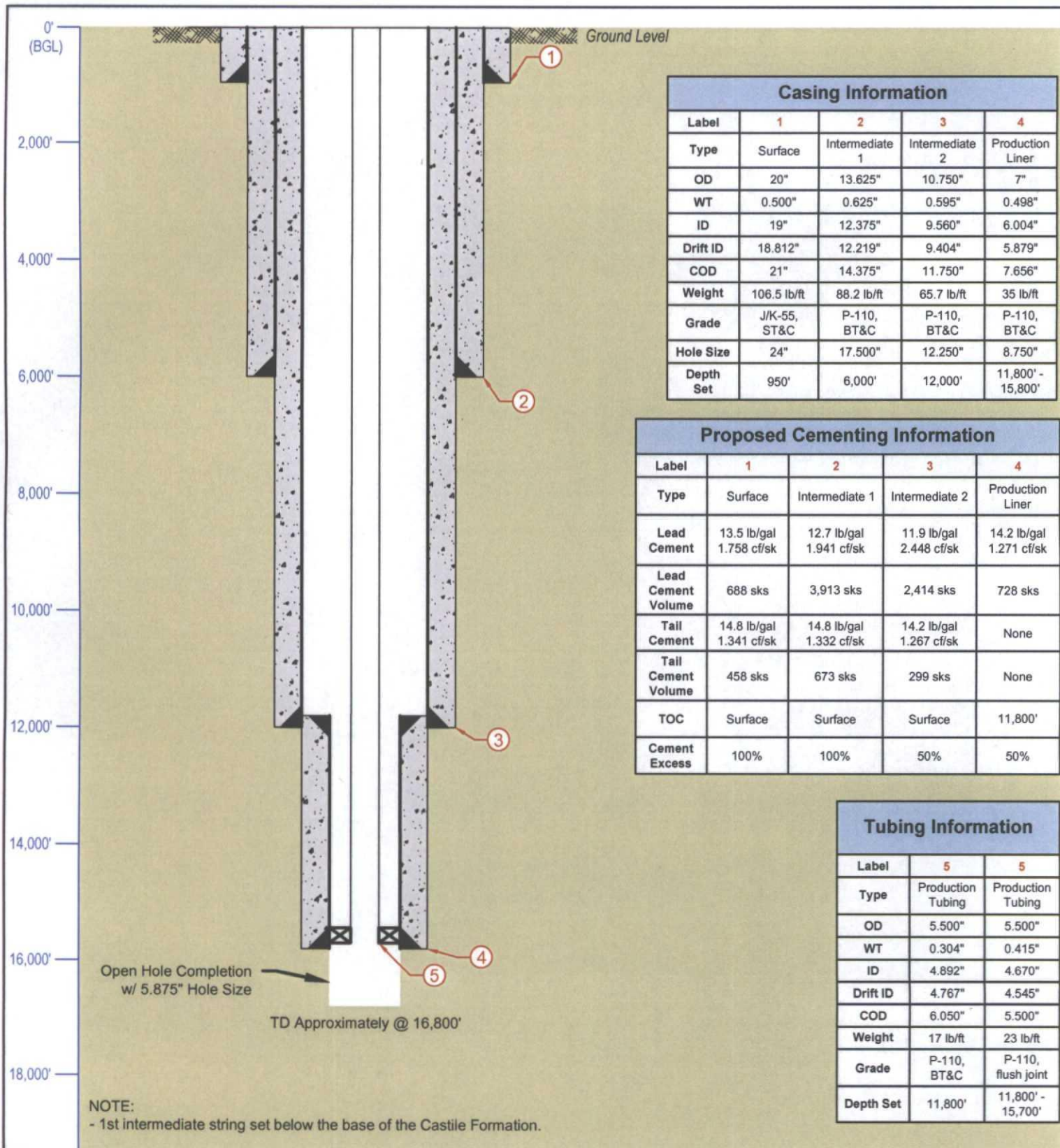
\_\_\_\_\_

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Bone Spring – Top @ 8,804' \_\_\_\_\_

Wolfcamp – Top @ 11,634' \_\_\_\_\_

Atoka/ Morrow – Top @ 13,412' \_\_\_\_\_

Barnett – Top @ 14,985' \_\_\_\_\_



# **LONQUIST & CO. LLC**

PETROLEUM  
ENGINEERS

ENERGY  
ADVISORS

AUSTIN | WICHITA  
HOUSTON | CALGARY

Texas License F-8952

3345 Bee Cave Road, Suite 201  
Austin, Texas 78746  
Tel: 512.732.9812  
Fax: 512.732.9816

OWL SWD Operating, Inc

Country: USA

Survey/STR: S-35 T-21S R-32E

API No.: TBD

State ID No.:

Drawn: MMC

Rev No:

## **Mills North SWD No. 1**

State/Province: New Mexico

Site: 200' FSL & 237' FEL

Formation: Devonian

Project No: 1126

Reviewed: RSC

Notes:

County/Parish: Lea

Status: To Be Drilled

Ground Elevation: 3,663'

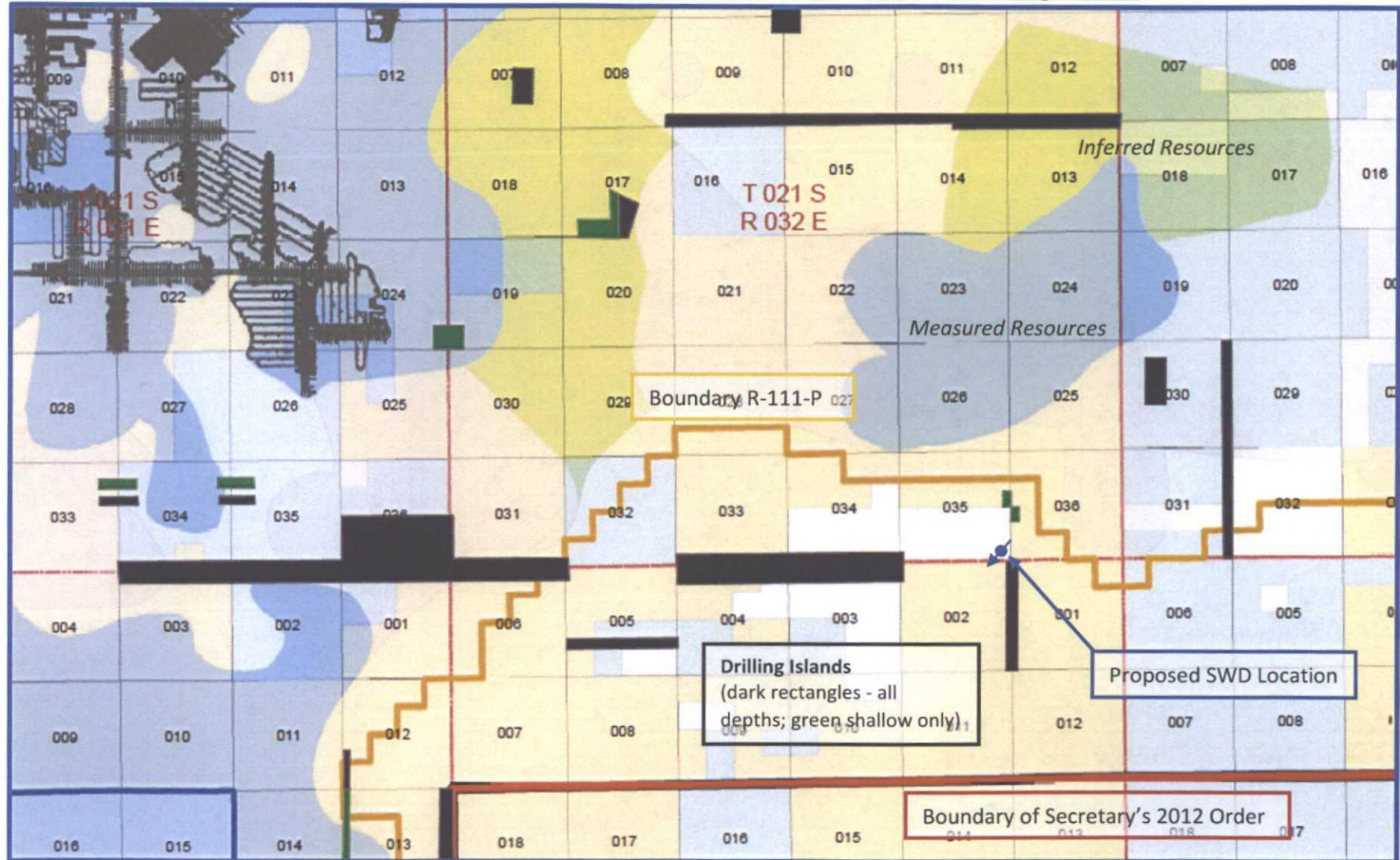
Date: 6/24/2015

Approved: SLP



OWL SWD LLC; C-108 Application for Mills North SWD No. 1; Unit Letter P, Sec 35, T21S, R32E, NMPM  
Application No. pWJV1518446528

Well Location with Respect to Potash Rule and BLM Proposed Drilling Islands



**OWL SWD Operating, Inc.**

**Mills North SWD No. 1**

**FORM C-108 Supplemental Information**

**III. Well Data**

**A. Wellbore Information**

1.

Well information	
Lease Name	Mills North SWD
Well No.	1
Location	S-35 T-21S R-32E
Footage Location	200' FSL & 237' FEL

2.

**a. Wellbore Description**

Casing Information				
Type	Surface	Intermediate 1	Intermediate 2	Production Liner
OD	20"	13.625"	10.750"	7"
WT	0.500"	0.625"	0.595"	0.498"
ID	19"	12.375"	9.560"	6.004"
Drift ID	18.812"	12.219"	9.404"	5.879"
COD	21"	14.375"	11.750"	7.656"
Weight	106.5 #/ft	88.2 #/ft	65.7 #/ft	35 #/ft
Grade	J/K-55, ST&C	P-110, BT&C	P-110, BT&C	P-110, BT&C
Hole Size	24"	17.500"	12.250"	8.750"
Depth Set	950'	6,000'	12,000'	11,800' – 15,800'

b. Proposed Cementing Program

Cement Information				
Casing String	Surface	Intermediate 1	Intermediate 2	Production Liner
Lead Cement	13.5 lb/gal 1.758 cf/sk	12.7 lb/gal 1.941 cf/sk	11.9 lb/gal 2.448 cf/sk	14.2 lb/gal 1.271 cf/sk
Lead Cement Volume	688 sx	3,913 sx	2,414 sx	728 sx
Tail Cement	14.8 lb/gal 1.341 cf/sk	14.8 lb/gal 1.332 cf/sk	14.2 lb/gal 1.267 cf/sk	None
Tail Cement Volume	458 sx	673 sx	299 sx	None
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Circulate to Surface
Cement Excess	100%	100%	50%	50%
TOC	Surface	Surface	Surface	11,800'

3. Tubing Description

Tubing Information		
OD	5.500"	5.500"
WT	0.361"	0.415"
ID	4.778"	4.670"
Drift ID	4.653"	4.545"
COD	6.050"	5.500"
Weight	20 #/ft	23 lb/ft
Grade	P-110, BT&C	P-110, flush joint
Depth Set	11,800'	11,800' – 15,700'

Tubing will be lined with Duoline.

4. Packer Description

D&L Oil Tools 7" Permapack Packer – Single Bore

## B. Completion Information

1. Injection Formation: Devonian - Silurian
2. Gross Injection Interval: 15,800' – 16,800'

Completion Type: Open Hole

3. Well drilled for injection.
4. New drill; no prior perforated intervals.
5. Oil and Gas Bearing Zones within area of well:

Formation	Depth
Bone Spring	8,804'
Wolfcamp	11,634'
Atoka/Morrow	13,412'
Barnett	14,985'

## VI. Area of Review

Although there are no wells on public record that penetrate the proposed injection zone within the ½ mile area of review (AOR) a table has been attached containing information on wells that are present within the AOR. A completion report for each well within the AOR has also been attached for construction information and as a record of completion.

## VII. Proposed Operation Data

1. Proposed Daily Rate of Fluids to be Injection:

Average Volume: 25,000 BPD

Maximum Volume: 30,000 BPD

2. Closed System

3. Anticipated Injection Pressure:

Average Injection Pressure: 2,048 PSI (surface pressure)

Maximum Injection Pressure: 3,022 PSI (surface pressure)

4. The injection fluid is to be locally produced water. Attached is a table detailing possible sources of disposal fluid.

5. There is no Devonian production within one mile of the proposed well. The attached table mentioned above includes the Devonian Formation water.

#### VIII. Geological Data

The Devonian consists of a carbonates including light colored dolomite and chert intervals interspersed with some tight limestone intervals. Several thick sections of porous dolomite capable of taking water are present within the Devonian in the area. It is reasonable to assume that a Silurian section is present between the Devonian and Ordovician (Montoya) although the top depth of Silurian and Ordovician intervals is uncertain at this time. If the bases of Devonian and Silurian rocks come in as expected the well will only be drilled deep enough for adequate logging rathole.

At a proposed depth of 16,800 feet the well will TD 1,000 feet below the estimated top of the Devonian. Mud logging through the interval will ensure the target interval remains Devonian, Silurian and possibly upper Ordovician (Montoya).

Once Devonian is determined, the casing shoe depth will be between a maximum upper depth of 15,700' and 15,900'. TD will occur approximately at 16,800 feet which is the maximum applied for depth. Injection would occur through the resulting open hole interval.

##### A. Injection Zone: Devonian – Silurian Formation

Formation	Depth
Mississippian Lime	15,240'
Woodford	15,750'
Devonian	15,800'

##### B. Underground Sources of Drinking Water

Underground sources of drinking water are anticipated 150' below the surface, and fresh water may be present above the Rustler formation. The top of the Rustler formation is estimated at a depth of 940'; therefore, the surface casing will be set at 950'. There are no sources of drinking water underlying the injection interval.

#### IX. Proposed Stimulation Program

No proposed stimulation program.

#### X. Logging and Test Data on the Well

There are no logs or test data on the well. During the process of drilling and completion resistivity, gamma ray, and density logs will be run.

#### XI. Chemical Analysis of Fresh Water Wells

The closest fresh water well is located 15,261 feet in the south west direction from the proposed well location; therefore a fresh water analysis is not required for this application.

## **XII. Affirmative Statement of Examination of Geologic and Engineering Data**

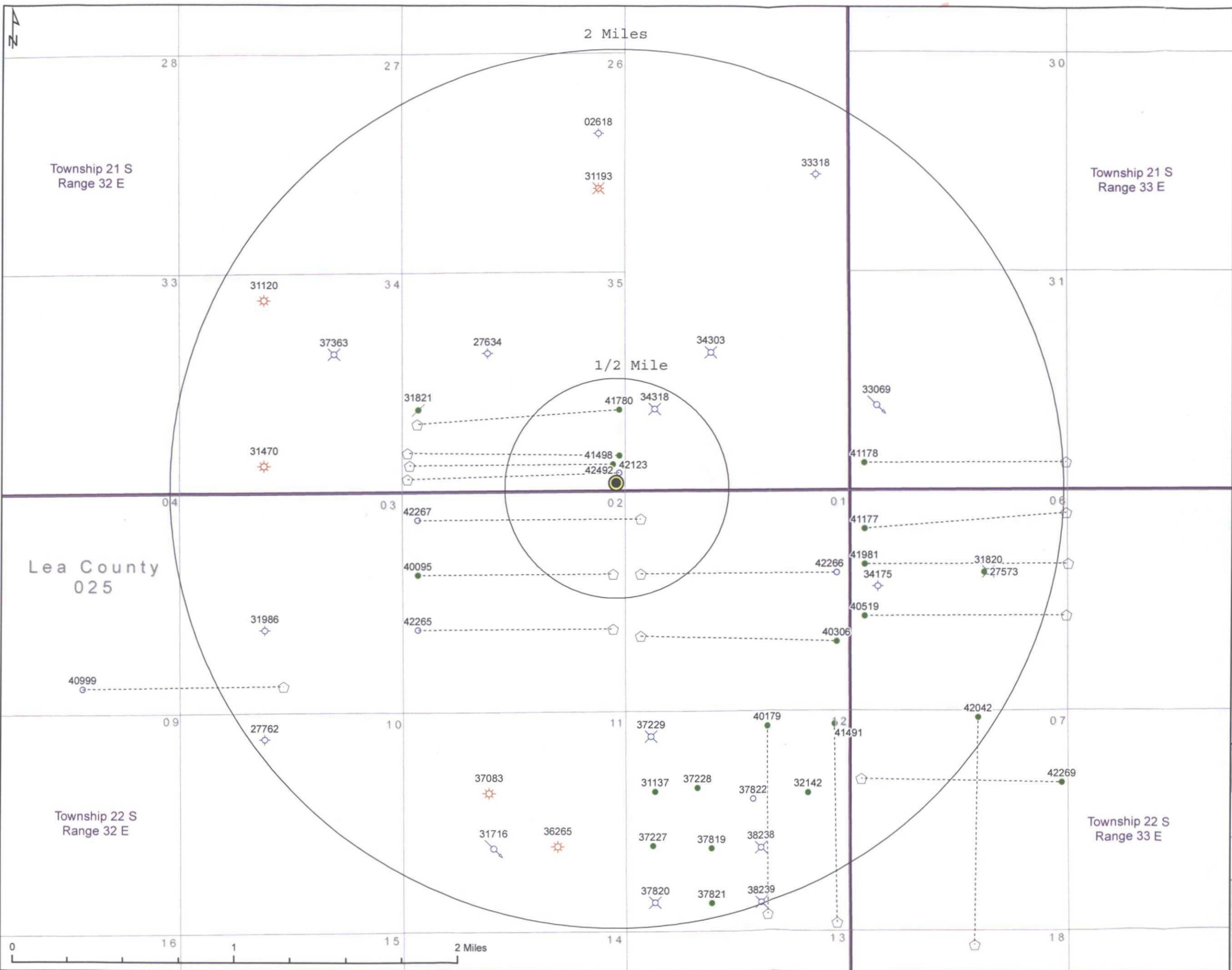
Based on the available engineering and geologic data we find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

OWL SWD Operating, LLC  
Mills North SWD No. 1  
200' FSL & 237' FEL  
Unit Letter "P", S-35, T-21S, R-32E  
Lea County, New Mexico

Produced Water  
Data obtained from Go-Tech

API	Formation	TDS	Chorides
3002533574	Bone Spring	No Data	167962
3002511950	Devonian	31931	20450
3001527248	Delaware	No Data	189957
3002520261	Bone Spring	204652	130000
3002508182	Delaware	308600	No Data
3001502520	Morrow	102849	No Data
3002520444	Atoka	51475	31000





**Mills North SWD No. 1**  
**Area of Review**  
Lea County, NM  
Oilfield Water Logistics

Projection: NAD 1983 State Plane NM East FIPS 3001  
Drawn by: SAH    Date: 6/19/2015    Approved by: NLB

**LONQUIST & CO. LLC**

AUSTIN HOUSTON    PETROLEUM ENGINEERS    ENERGY ADVISORS    WICHITA CALGARY

Texas License F-8652

- Mills North SWD No. 1  
NAD 1983  
Lat: 32.428631  
Long: -103.637714
- Oil Well
- Plugged Oil Well
- ☀ Gas Well
- ☒ Plugged Gas Well
- ⚡ SWD Well
- Permitted Location
- ◇ Dry Hole
- ✕ Cancelled Location
- ⬡ Horizontal Surface Location
- Lateral
- 1/2 & 2 Mile Radii
- Section Boundary
- Township Boundary






1/2 Mile AOR Mills North SWD No. 1								
Well Name	Operator	API Number	Well Type	Date Spudded	Location	Depth (TVD)	Construction	Record of Completion
Rum Runner 2 Federal Com #001H	Oxy USA, Inc.	30-025-40095	Oil	7/11/2011	S-2 T-22S R-32E; Unit H; 1,980' FNL & 330' FEL	9,471'	Form 3160-4	Form 3160-4
Anderson 35 #003H	Oxy USA WTP LP	30-025-41780	Oil	1/23/2014	S-35 T-21S R-32E; Unit L; 1,655' FSL & 330' FWL	10,687'	Form C-105	Form C-105
Anderson 35 #005H	Oxy USA WTP LP	30-025-42123	Oil	7/7/2014	S-35 T-21S R-32E; Unit M; 960' FSL & 100' FWL	9,898'	Form C-105	Form C-105
Anderson 35 #002H	Oxy USA WTP LP	30-025-41498	Oil	12/4/2014	S-35 T-21S R-32E; Unit M; 660' FSL & 150' FWL	8,602'	Form C-105	Form C-105
Anderson 35 #006H	Oxy USA WTP LP	30-025-42492	Permitted	N/A	S-35 T-21S R-32E; Unit M; 330' FSL & 100' FWL	10,687'	Form C-101	N/A
Speak Easy Federal Unit #005H	Oxy USA, Inc.	30-025-42267	Oil	12/3/2014	S-01 T-22S R-32E; Unit D; 660' FNL & 330' FWL	8,538'	Form 3160-4	Form 3160-4
Speak Easy Federal Unit #004H	Oxy USA, Inc.	30-025-42266	Oil	12/26/2014	S-01 T-22S R-32E; Unit E; 1,980' FNL & 330' FWL	11,801'	Form 3160-4	Form 3160-4
Arror 36 Federal #002	POGO Producing Co.	30-025-34318	Cancelled	N/A	S-36 T-21S R-32E; Unit L; 1,980' FSL & 660' FWL	N/A	N/A	Cancellation Notice

5. Lease Serial No. NM 105877 106696

6. If Indian, Allottee or Tribe Name \_\_\_\_\_

7. Unit or CA Agreement Name and No. \_\_\_\_\_

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	<div style="text-align: center;">FEB 5 2012</div> 

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

APR 18 2012

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Rustler	1005'
				T. Salt	1263'
				B. Salt	3444'
				Delaware	4697'
				Bell Canyon	4818'
				Cherry Canyon	5684'
				Brushy Canyon	7099'
				Bone Springs	8681'

32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.) 
 ☐ Geologic Report 
 ☐ DST Report 
 ☒ Directional Survey 
 ☐ Sundry Notice for plugging and cement verification 
 ☒ Core Analysis 
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print)

David Stewart

Title

Regulatory Advisor

Signature



Date

1/24/12

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



# SIDEWALL ANALYSIS

Company: Occidental Oil & Gas Co.  
Well Name: Rum Runner 2 Fed #1H  
Location:  
Co. & St.:

Field:  
Formation:  
Coring Fluid:  
Elevation:

File Number:  
Date: 8/2/2011  
API Number: 30-025-40049  
Preliminary Report

Sample Number	Depth ft	Rec. in	Perm K(air-ss) md	Porosity Helium % of BV	Saturation Oil % of PV	Saturation Water % of PV	Oil Bulk % of BV	Gas Bulk % of BV	Grain Density gm/cc	Gas Det units	Description
1	8640.0	1.5	0.070	6.4	21.9	66.6	1.4	0.7	2.70	0	Sd, gry blk, f-vf gr, lam, 40% yel flu
2	8664.0	1.3	0.250	12.8	19.1	58.5	2.4	2.9	2.65	75	Sd, tn gry, f gr, 100% yel flu
3	8674.0	1.5	0.120	10.4	25.0	42.5	2.6	3.4	2.66	82	Sd, gry blk, f-vf gr, lam, 55% yel flu
4	8687.0	1.5	0.037	0.4	12.8	83.0	0.1	0.0	2.70	0	Lim, foss, 5% yel flu tr cut
5	8714.0	1.5								0	Sltstn, blk, shly, sl calc, 0% flu v/gd cut
6	8863.0	1.5	0.001	0.4	5.3	90.9	0.0	0.0	2.70	0	Lim, 0% flu poor cut
7	8872.0	1.5	0.064	12.5	22.4	53.7	2.8	3.0	2.68	250	Sd, gry blk, f-vf gr, tr calc, lam, 65% yel flu
8	8882.0	1.5	0.043	9.5	19.2	51.8	1.8	2.8	2.66	50	Sd, gry, f gr, sl calc, 90% yel flu
9	8912.0	1.5	0.001	1.3	16.1	72.1	0.2	0.2	2.71	6	Lim, tr% yel flu fr cut
10	8958.0	1.5								250	Sh, blk, sl calc, 0% flu v/gd cut
11	9028.0	1.5								250	Sh, blk gry, tr calc, 0% flu v/gd cut
12	9236.0	1.5	0.039	0.4	15.9	79.5	0.1	0.0	2.70	2	Lim, slty, shly, 0% flu fr cut
13	9265.0	1.0	0.622	15.4	30.4	41.1	4.7	4.4	2.55	170	Sltstn, blk gry, shly, tr calc, 0% flu gd cut
14	9266.0	1.5								250	Sltstn, blk gry, shly, 0% flu gd cut
15	9268.0	1.5								250	Sh, blk, 0% flu v/gd cut
16	9338.0	1.5								6	Sh, blk, sl slty, sl calc, 0% flu gd cut
17	9351.0	1.5								40	Sh, blk, calc, 0% flu v/gd cut
18	9400.0	1.5								45	Sh, blk, sl calc, 0% flu gd cut
19	9445.0	1.5	0.001	0.6	16.1	80.6	0.1	0.0	2.72	1	Lim, shly, sl slty, 0% flu fr cut
20	9450.0	1.5								250	Sh, blk, 0% flu v/gd cut
21	9455.0	1.5								250	Sh, blk, sl calc, 0% flu v/gd cut
22	9465.0	1.3	0.032	1.5	14.9	42.1	0.2	0.6	2.69	50	Lim, foss, 0% flu mineral flu fr cut
23	9468.0	1.5								250	Sltstn, blk, shly, 0% flu v/gd cut
24	9470.0	1.5	0.149	12.8	43.5	31.8	5.6	3.2	2.56	250	Sltstn, blk, shly, 0% flu v/gd cut
25	9485.0	1.5								250	Sh, blk, 0% flu v/gd cut
26	9492.0	1.5								250	Sh, blk, slty, 0% flu v/gd cut
27	9505.0	1.5								250	Sh, blk, tr slty, tr calc, 0% flu v/gd cut
28	9527.0	1.5								75	Sh, blk, sl slty, sl calc, lam, 0% flu v/gd cut
29	9600.0	1.5								250	Sh, blk, 0% flu v/gd cut
30	9637.0	1.5								250	Sh, blk, 0% flu v/gd cut
31	9747.0	1.5								15	Sh, blk, calc, 0% flu gd cut
32	9780.0	1.5								250	Sh, blk, tr calc, 0% flu v/gd cut
33	9810.0	1.8								250	Sltstn, blk, shly, tr calc, 0% flu v/gd cut
34	9881.0	1.5	0.113	10.2	8.1	82.4	0.8	1.0	2.67	0	Sd, lt gry, f-med gr, tr calc, 0% flu sl tr cut
35	9882.0	1.5	0.085	9.7	21.2	59.4	2.1	1.9	2.66	2	Sd, lt gry, f-med gr, 25% yel flu
36	9903.0	1.3	0.176	10.6	17.8	62.6	1.9	2.1	2.65	1	Sd, lt gry, f-med gr, 15% yel flu
37	9904.0	1.8	0.273	11.4	2.2	83.2	0.3	1.7	2.66	0	Sd, lt gry, f gr, 0% flu no cut
38	9906.0	1.5	0.107	3.9	3.7	93.4	0.1	0.1	2.68	0	Sd, gry, f gr, sl pyr, sl calc, 0% flu sl tr cut

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	State of New Mexico Energy, Minerals and Natural Resources <b>HOBBS OGD</b> Oil Conservation Division 1220 South St. Francis Santa Fe, NM 87505 <b>DEC 03 2014</b>	Form C-105 Revised August 1, 2011																																	
1. WELL API NO. 30-025-41780		2. Type of Lease <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN																																	
3. State Oil & Gas Lease No.		4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> 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 Anderson 35		6. Well Number: 3H																																	
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9. OGRID 192463		10. Address of Operator P.O. Box 50250 Midland, TX 79710																																	
11. Pool name or Wildcat Red Tank Bone Spring		12. Location <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Surface:</th> <th>Unit Ltr</th> <th>Section</th> <th>Township</th> <th>Range</th> <th>Lot</th> <th>Feet from the</th> <th>N/S Line</th> <th>Feet from the</th> <th>E/W Line</th> <th>County</th> </tr> <tr> <td>BH:</td> <td>L</td> <td>35</td> <td>21S</td> <td>32E</td> <td></td> <td>1655</td> <td>South</td> <td>330</td> <td>West</td> <td>Lea</td> </tr> <tr> <td></td> <td>I</td> <td>35</td> <td>21S</td> <td>32E</td> <td></td> <td>2016</td> <td>South</td> <td>160</td> <td>East</td> <td>Lea</td> </tr> </table>	Surface:	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County	BH:	L	35	21S	32E		1655	South	330	West	Lea		I	35	21S	32E		2016	South	160	East	Lea
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16. Date Completed (Ready to Produce) 11/12/14		17. Elevations (DF and RKB, RT, GR, etc.) 3678.1' GR																																	
18. Total Measured Depth of Well 15081' M 10685' V		19. Plug Back Measured Depth 14975' M 10690' V																																	
20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run MWL																																	
22. Producing Interval(s), of this completion - Top, Bottom, Name 10955-14895' 2nd Bone Spring																																			
23. CASING RECORD (Report all strings set in well)																																			
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26. Perforation record (interval, size, and number) 6 SPB 14895-14675, 14585-14365, 14275-14055, 13965-13745, 13655-13436, 13345-13125, 13035-12815, 12725-12505, 12475-12195, 12105-11885, 11795-11575, 11495-11265, 11175-10955 Total 544 holes																																			
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<b>28. PRODUCTION</b>																																			
Date First Production 11/12/14		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing																																	
Well Status (Prod. or Shut-in) Prod.																																			
Date of Test 11/23/14	Hours Tested 24	Choke Size 20/64																																	
Prod'n For Test Period 362	Oil - Bbl 362	Gas - MCF 313																																	
Water - Bbl. 886	Gas - Oil Ratio 865																																		
Flow Tubing Press. 722	Casing Pressure 362	Calculated 24-Hour Rate 362																																	
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Oil Gravity - API - (Corr.)																																			
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold		30. Test Witnessed By J. Hughes																																	
31. List Attachments C102, C103, Directional Surveys, WBI, Loss																																			
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.																																			
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 	Printed Name David Stewart	Title Sr. Regulatory Advisor																																	
E-mail Address david_stewart@oxy.com		Date 12/1/14																																	

DEC 23 2014

# 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 Rustler 940'	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 1300'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3450'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	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 Oizte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinbry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 4720'	T. Morrison	
T. Drinkard	T. Bone Springs 8715'	T. Todilto	
T. Abo	T. Bell Canyon 4825'	T. Entrada	
T. Wolfcamp 12125'	T. Shinarump Canyon 5658'	T. Wingate	
T. Penn	T. Brushy Canyon 6919'	T. Chinle	
T. Cisco (Bough C)	T. Bone Springs 9812'	T. Permian	

2<sup>ND</sup> Bone Spring 10050'  
3<sup>RD</sup> Bone Spring 10950'

## OIL OR GAS SANDS OR ZONES

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

Submit To Appropriate District Office Two Copies <b>District I</b> 1625 N. French Dr., Hobbs, NM 88240 <b>District II</b> 811 S. First St., Artesia, NM 88210 <b>District III</b> 1000 Rio Brazos Rd., Aztec, NM 87410 <b>District IV</b> 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								
<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 Anderson 35 6. Well Number: 5H <b>HOBBS OCD</b>								
7. Type of Completion: <input checked="" type="checkbox"/> <b>NEW WELL</b> <input type="checkbox"/> <b>WORKOVER</b> <input type="checkbox"/> <b>DEEPENING</b> <input type="checkbox"/> <b>PLUGBACK</b> <input type="checkbox"/> <b>DIFFERENT RESERVOIR</b> <input type="checkbox"/> <b>OTHER</b>		<b>MAR 23 2015</b>								
8. Name of Operator OXY USA WTP LP.		9. OGRID 192463								
10. Address of Operator P.O. BOX 50250 MIDLAND, TX 79710		<b>RECEIVED</b>								
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	35	21S	32E		960	SOUTH	100	WEST	LEA
BH:	P	35	21S	32E		901	SOUTH	182	EAST	LEA
13. Date Spudded 12/4/14	14. Date T.D. Reached 12/20/14	15. Date Rig Released 12/24/14		16. Date Completed (Ready to Produce) 2/6/15		17. Elevations (DF and RKB, RT, GR, etc.) 36851.1' GR				
18. Total Measured Depth of Well 14681' M 9897' V		19. Plug Back Measured Depth 14550' M 9897' V		20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run SLS/GAMMA RAY/MUD LOG				
22. Producing Interval(s), of this completion - Top, Bottom, Name 10004-14514' 1ST BONE SPRING										
<b>23. CASING RECORD (Report all strings set in well)</b>										
CASING SIZE	WEIGHT LB./FT.	DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED		
11-3/4"	47# J55	1005'		14-3/4"		780sx-surf circ.		n/a		
8-5/8"	32# J55	4766'		10-5/8"		1530sx-surf circ.		n/a		
5-1/2"	20# P110	14653'		7-7/8"		1930sx-surf circ.		n/a		
<b>24. LINER RECORD</b>										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		<b>25. TUBING RECORD</b>				
						SIZE	DEPTH SET	PACKER SET		
						2-7/8"	9250'	9250'		
26. Perforation record (interval, size, and number) 6 SPF @ 14514'-14294', 14184'-13964', 13854'-13634', 13524'-13304', 13194'-12974', 12864'-12644', 12534'-12314', 12204'-11984', 11874'-11654', 11544'-11324', 11214'-10994', 10884'-10664', 10554'-10334', 10224'-10004' Total 588 Holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 10004-14514' 202280g slick water + 41425g 15% HCl acid + 2114280g 15# linear gel w/ 6862340# sand				
<b>28. PRODUCTION</b>										
Date First Production 3/10/15		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PROD.				
Date of Test 3/17/15	Hours Tested 24	Choke Size 20/64	Prod'n For Test Period	Oil - Bbl 109	Gas - MCF 232	Water - Bbl 391	Gas - Oil Ratio 2128			
Flow Tubing Press. 420	Casing Pressure 100	Calculated 24-Hour Rate	Oil - Bbl 109	Gas - MCF 232	Water - Bbl 391	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) sold						30. Test Witnessed By				
31. List Attachments C103, C104, C102, WBD, 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 		Printed Name Jana Mendiola		Title Regulatory Coordinator		Date 3/18/15				
E-mail Address: janalyn_mendiola@oxy.com										

**MAR 31 2015**

## 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. Rustler 1002'	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 1310'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3570'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	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
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T. Penn	T. Brushy Canyon 6900'	T. Chinle	
T. Cisco (Bough C)	T. 1 <sup>st</sup> Bone Spring 9914'	T. Permian	

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, 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



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1220 S. St. Francis Dr., Santa Fe, NM 87505

STATE OF NEW MEXICO  
Energy, Minerals and Natural Resources

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

FORM C-103  
Revised August 1, 2011

1. WELL API NO.  
30-025-41498
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)

7. Type of Completion:

☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator

OXY USA WTP Limited Partnership

5. Lease Name or Unit Agreement Name

Anderson 35 HOBBSOCD

6. Well Number:

24

FEB 11 2015

10. Address of Operator

P.O. Box 50250  
Midland, TX 79710

9. OGRID

192463

RECEIVED

11. Pool name or Wildcat

Bilbrey Delaware

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	35	21S	32E		660	South	150	West	Lea
BH:	P	35	21S	32E		731	South	331	East	Lea

13. Date Spudded

12/31/14

14. Date T.D. Reached

2/13/14

15. Date Rig Released

2/16/14

16. Date Completed (Ready to Produce)

11/18/14

17. Elevations (DF and RKB,

RT, GR, etc.) 3687.9' GR

18. Total Measured Depth of Well

13075' M 8602' V

19. Plug Back Measured Depth

12885' M 8602' V

20. Was Directional Survey Made?

Yes

21. Type Electric and Other Logs Run

GR/CL, HRLA, CM, Caliper Log  
Mud Logs

22. Producing Interval(s), of this completion - Top, Bottom, Name

8508-12860' Brushy Canyon

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4"	47# J55	965'	14 3/4"	850'x - Surf Circ.	N/A
8 5/8"	32# J55	4826'	10 7/8"	1550'x - Surf Circ.	N/A
5 1/2"	17# L80	13075'	7 7/8"	1200'x - Surf Circ.	N/A

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4 1/2"	0	7713'	0	
4"	7714'	12937'	200'x - TOC 4241' calc.	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	7478'	

26. Perforation record (interval, size, and number)

6SPF @ 12860-12604, 12349-12092, 11836-11580,  
11324-11068, 10812-10556, 10300-10044,  
9788-9532, 9276-9020, 8764-8508'  
TOTAL 198 HOLES

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8508-12860'	23850g 15% Acid + 81228g TRT WTR +
	118832g 20# BXL W/2013240# SAND
1145-12910'	6000g 15% Acid + 41328g TRT WTR + 440248g
	15# BXL W/692400 SAND.

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in)		
12/29/14		ESP			Prod.		
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
2/6/15	24 hrs.	-		199	375	1424	1884
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
317	147		199	375	1424		

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Test Witnessed By

31. List Attachments

C103, C104, C102, WBD, Directional Svy, 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  Printed Name Jana Mendiola Title Regulatory Coordinator Date 2/9/15  
E-mail Address jandyn.mendiola@oxy.com

FEB 24 2015

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.

Southeastern New Mexico		Northwestern New Mexico	
T. Amby <i>Rustler</i> 970'	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 1420'	T. Strawn	T. Kirtland	T. Penn. "B"
<del>B. Salt</del> <i>Lamar</i> 4700'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	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 Otzie
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T. <i>Bell Canyon</i> 4890'	T. Entrada	
T. Wolfcamp	T. <i>Cherry Canyon</i> 5700'	T. Wingate	
T. Penn	T. <i>Brushy Canyon</i> 6830'	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

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

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.....

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

**District I**  
1025 N. French Dr., Hobbs, NM 88240  
Phone:(575) 363-6151 Fax:(575) 333-6723

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 749-1292 Fax:(575) 748-6720

**District III**  
1000 Rio Brazos Rd., Acton, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
August 1, 2011  
Permit: 201614

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address OXY USA WTP LIMITED PARTNERSHIP PO Box 4294 Houston, TX 77210		2. OGRID Number 192463
4. Property Code 40222		5. Property Name ANDERSON 35
		6. Well No. 006H
3. API Number 30-025-42492		

**7. Surface Location**

UL - Lot M	Section 35	Township 21S	Range 32E	Lot Ion	Feet From 330	N/S Line S	Feet From 100	E/W Line W	County Lea
---------------	---------------	-----------------	--------------	---------	------------------	---------------	------------------	---------------	---------------

**8. Proposed Bottom Hole Location**

UL - Lot P	Section 35	Township 21S	Range 32E	Lot Ion P	Feet From 450	N/S Line S	Feet From 150	E/W Line E	County Lea
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	------------------	---------------	---------------

**9. Pool Information**

RED TANK;BONE SPRING	51683
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Casing/ Rotary	14. Lease Type Private	15. Ground Level Elevation 3692
16. Multiple N	17. Proposed Depth 15457	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 6/1/2015
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14.75	11.75	47	1000	640	0
Int1	10.625	8.625	32	4800	1200	0
Prod	7.375	5.5	17	15457	1370	3800

**Casing/Cement Program: Additional Comments**

Proposed Mud Program: 0-1000' Fresh Water/Spud Mud - 1000-4800' Fresh Water/NaCl Brine - 4800-15457' Cut Brine/Sweeps. BOP Program: 13-5/8" 10M three ram stack w/ 5M annular preventer, 5M choke manifold. Additional information will be sent along with the H2S plan.
--

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	10000	10000	
Annular	5000	5000	
Blind	10000	10000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.  Signature: _____ Printed Name: Electronically filed by Teresa L Jackson Title: Regulatory Team Lead Email Address: Teresa_Jackson@oxy.com Date: 3/26/2015	<b>OIL CONSERVATION DIVISION</b>	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 3/27/2015	Expiration Date: 3/27/2017
	Conditions of Approval Attached	

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (505) 393-6161 Fax: (505) 393-0720  
District II  
811 S. First St., Arroyo, NM 88210  
Phone: (505) 748-1281 Fax: (505) 748-9720  
District III  
1000 Rio Brason Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87501  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>30-025-</b>	Pool Code <b>51683</b>	Pool Name <b>Red Tank Bone Spring</b>
Property Code <b>40222</b>	Property Name <b>ANDERSON "35"</b>	Well Number <b>6H</b>
OGRID No. <b>192463</b>	Operator Name <b>OXY USA WTP LP</b>	Elevation <b>3691.9'</b>

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>M</b>	<b>35</b>	<b>21 SOUTH</b>	<b>32 EAST, N.M.P.M.</b>		<b>330'</b>	<b>SOUTH</b>	<b>100'</b>	<b>WEST</b>	<b>LEA</b>

**Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>P</b>	<b>35</b>	<b>21 SOUTH</b>	<b>32 EAST, N.M.P.M.</b>		<b>450'</b>	<b>SOUTH</b>	<b>180'</b>	<b>EAST</b>	<b>LEA</b>
Dedicated Acres <b>160</b>	Joint or Infill <b>Y</b>	Consolidation Code	Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

				<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order.</p> <p>Accepted and signed by the division:</p> <p><i>David Stewart</i> 5/25/15 Signature Date</p> <p>David Stewart SR. Reg. Asst. Printed Name</p> <p>david.stewart@oxy.com E-mail Address</p>
<p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from first class or better surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>15079 MAY 8, 2014 Date of Survey</p> <p><i>Terry Paul</i> 5/15/2014 Signature and Seal</p> <p>Professional Surveyor Certificate Number 15079</p> <p>WO# 140505WL-b (KA)</p>				

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-3191 Fax:(575) 393-6720

**District II**  
811 S. First St., Artesia, NM 88213  
Phone:(575) 748-1283 Fax:(575) 748-9723

**District III**  
1069 Rio Brazos Rd., Aztec, NM 87413  
Phone:(505) 334-3178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 478-3470 Fax:(505) 478-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Comments

Permit 201014

**PERMIT COMMENTS**

Operator Name and Address: OXY USA WTP LIMITED PARTNERSHIP [192463] PO Box 4294 Houston, TX 77210	API Number: 30-025-42492
	Well: ANDERSON 35 #006H

Created By	Comment	Comment Date
DAVIDSTEWART	Top Perforated Interval: 335 FSL 330 FWL M 35-21S-32E - Lat: 32.4288217 Long: 103.6525040 Bottom Perforated Interval: 446 FSL 330 FEL P 35-21S-32E - Lat: 32.4291846 Long: 103.6375274 A closed loop system will be utilized consisting of above ground steel tanks and haul-off bins. Disposal of liquids, drilling fluids and cuttings will be disposed of at an approved facility.	3/25/2015
DAVIDSTEWART	The wells listed below are either permitted, drilled, and/or completed in the following pool(s) and formation(s). 1. Anderson 35 #2H - 30-025-41498 - Bilbry Delaware - Brushy Canyon - TVD 8602' Ut M-N-O-P. 2. Anderson 35 #6H - 30-025-42123 - Red Tank Bone Spring - 1st Bone Spring - TVD 9897' Ut M-N-O-P.	3/26/2015
DAVIDSTEWART	There are currently no potash lessee's within one mile of the proposed location, but OXY is mailing Intrepid Potash NM LLC a copy of the APD as a courtesy.	3/26/2015

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-8191 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1282 Fax:(575) 748-0720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87413  
 Phone:(505) 334-8178 Fax:(505) 334-6179  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Conditions

Permit 201914

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: OXY USA WTP LIMITED PARTNERSHIP (192463) PO Box 4294 Houston, TX 77210	API Number: 30-025-42492
	Well: ANDERSON 35 #006H

OCD Reviewer	Condition
DMULL	Will require a directional survey with the C-104
DMULL	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
DMULL	BHL @ P-35-21S-32E, 450/S & 180/E, 160 ACCRES, UNITS M.N.O.P.
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Lease Serial No.  
NNNM106696

**1a. Type of Well** ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

**b. Type of Completion** ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

**2. Name of Operator**  
OXY USA INCORPORATED  
Contact: JANA MENDIOLA  
E-Mail: janalyn\_mendiola@oxy.com

**3. Address**  
HOUSTON, TX 77210-4294

**3a. Phone No. (include area code)**  
Ph: 432-685-5936

**4. Location of Well (Report location clearly and in accordance with Federal requirements)\***  
At surface Sec 1 T22S R32E Mer NMP  
Lot 4 660FNL 330FWL 32.426151 N Lat, 103.635389 W Lon  
At top prod interval reported below Sec 1 T22S R32E Mer NMP  
Lot 4 666FNL 470FEL  
At total depth Sec 2 T22S R32E Mer NMP  
Lot 4 717FNL 357FWL 32.426085 N Lat, 103.652498 W Lon

**5. Date Spudded**  
12/03/2014

**15. Date T.D. Reached**  
12/19/2014

**16. Date Completed**  
☐ D & A ☒ Ready to Prod.  
03/13/2015

**6. If Indian, Allottee or Tribe Name**

**7. Unit or CA Agreement Name and No.**  
NNNM126140X

**8. Lease Name and Well No.**  
SPEAK EASY FEDERAL UNIT 5H

**9. API Well No.**  
30-025-42267-00-S1

**10. Field and Pool, or Exploratory**  
BOOTLEG RIDGE

**11. Sec., T., R., M., or Block and Survey**  
or Area Sec 1 T22S R32E Mer NMP

**12. County or Parish**  
LEA

**13. State**  
NM

**17. Elevations (DF, KB, RT, GL)\***  
3662 GL

**18. Total Depth:** MD 13699  
TVD 8538

**19. Plug Back T.D.:** MD 13562  
TVD 8538

**20. Depth Bridge Plug Set:** MD  
TVD

**21. Type Electric & Other Mechanical Logs Run (Submit copy of each)**  
MUDLOG SLS GR

**22. Was well cored?** ☒ No ☐ Yes (Submit analysis)  
**Was DST run?** ☒ No ☐ Yes (Submit analysis)  
**Directional Survey?** ☐ No ☒ Yes (Submit analysis)

## 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	11.750 J55	47.0	0	1112	0	1030	272	0	0
10.625	8.625 J55	32.0	0	4758	0	1280	400	0	0
7.875	5.500 L80	20.0	0	13699	0	1700	716	0	0

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7603							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
DELAWARE NORTHWEST	9055	13512	9055 TO 13512	0.000	330	OPEN(6925) Delaware NW
B)						
C)						
D)						

## 26. Perforation Record

## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
9055 TO 13512	185765G TREATED WATER + 34225G 15% HCL ACID + 1296948G 15# BXL + 300342G 17# BXL +

## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/05/2015	04/08/2015	24	→	54.0	182.0	2496.0			ELECTRIC PUMP/SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		105.0	→	54	182	2496	3370	POW	

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #297938 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

APR 22 2015

jm

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
BELL CANYON	4863	5688	OIL, GAS, WATER	RUSTLER	865
CHERRY CANYON	5689	6964	OIL, GAS, WATER	DELAWARE	4714
BRUSHY CANYON	6965	8538	OIL, GAS, WATER	BELL CANYON	4863
				CHERRY CANYON	5689
				BRUSHY CANYON	6965

## 32. Additional remarks (include plugging procedure):

Logs were mailed 4/10/15.

Log Header, Directional Survey, As-Drilled Amended C-102 plat.& WBD are attached.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #297938 Verified by the BLM Well Information System.  
For OXY USA INCORPORATED, sent to the Hobbs  
Committed to AFMSS for processing by LINDA JIMENEZ on 04/13/2015 (15LJ0928SE)

Name(please print) DAVID STEWART

Title SR. REGULATORY ADVISOR

Signature (Electronic Submission)

Date 04/10/2015

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOCD Copy

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NNNM109758		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator OXY USA INCORPORATED			7. Unit or CA Agreement Name and No. NNNM126140X		
3. Address HOUSTON, TX 77210-4294			8. Lease Name and Well No. SPEAK EASY FEDERAL UNIT 4H		
3a. Phone No. (include area code) Ph: 432-685-5936			9. API Well No. 30-025-42266-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNW 1980FNL 330FWL 32.422522 N Lat, 103.635391 W Lon At top prod interval reported below SWNW 1973FNL 886FWL At total depth SENE 1903FNL 179FEL 32.422578 N Lat, 103.619924 W Lon			10. Field and Pool, or Exploratory RED TANK		
14. Date Spudded 12/26/2014			15. Date T.D. Reached 01/22/2015		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/18/2015			17. Elevations (DF, KB, RT, GL)* 3642 GL		
18. Total Depth: MD 16668 TVD 11801			19. Plug Back T.D.: MD 16552 TVD 11801		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) MUDLOG SLS		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)					

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	11.750 J55	47.0	0	1088	0	780	221	0	0
10.625	8.625 J55	32.0	0	4753	0	1250	390	0	0
7.875	5.500 P110	20.0	0	16645	0	2390	1068	0	0

24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2.875	11105	11105							

25. Producing Intervals					26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status		
A) BONE SPRING	12450	16387	12450 TO 16387	0.000	417	OPEN(51683) BS		
B)								
C)								
D)								

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval			Amount and Type of Material						
12450 TO 16387			712833G SLICK WATER + 35582G 15% HCL ACID + 2251943G 15# BXL W/4460480# SAND						

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/02/2015	04/06/2015	24	→	214.0	259.0	931.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
14/64	SI 2275	1900.0	→	214	259	931	1210	POW	

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #297527 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

APR 22 2015

jm

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas(Sold, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
BELL CANYON	4843	5659	OIL, GAS, WATER	DELAWARE	4700
CHERRY CANYON	5660	6939	OIL, GAS, WATER	BELL CANYON	4843
BRUSHY CANYON	6940	8686	OIL, GAS, WATER	CHERRY CANYON	5660
BONE SPRING	8687	9849	OIL, GAS, WATER	BRUSHY CANYON	6940
BONE SPRING 1ST	9850	10367	OIL, GAS, WATER	BONE SPRING	8687
BONE SPRING 2ND	10368	11554	OIL, GAS, WATER	BONE SPRING 1ST	9850
BONE SPRING 3RD	11555	11801	OIL, GAS, WATER	BONE SPRING 2ND	10368
				BONE SPRING 3RD	11555

## 32. Additional remarks (include plugging procedure):

Logs were mailed 4/8/15.

Log Header, Directional Survey, As-Drilled Amended C-102 plat, &amp; WBD are attached.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #297527 Verified by the BLM Well Information System.

For OXY USA INCORPORATED, sent to the Hobbs

Committed to AFMSS for processing by LINDA JIMENEZ on 04/13/2015 (15LJ0920SE)

Name(please print) DAVID STEWART

Title SR. REGULATORY ADVISOR

Signature (Electronic Submission)

Date 04/07/2015

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\*



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Roswell Field Office  
2909 West Second Street  
Roswell, New Mexico 88202

IN REPLY REFER TO  
3162.4  
NM-85935

JUL 21 1999

Pogo Producing Company  
Attn: Richard Wright  
P. O. Box 10340  
Midland, TX 79702

Dear Mr. Wright:

Your Application for Permit to Drill (APD), approved February 19, 1998, for the Arrow "36" Federal #2, located 1980' FSL & 660' FWL, Section 36, T21S-R32E, Lea County, New Mexico, Lease No. NM-85935 has expired because drilling has not commenced within one year of the approval date as stated in the General Requirements for Oil and Gas Operations on Federal Leases.

If drilling operations have commenced on the referenced well, please contact this office at (505) 627-0272 and send all necessary reports (spud, casing/cementing, etc., 1 original and 5 copies) so we may correct our records.

If the well has not been spudded, but site construction activities have occurred, please contact this office at the above telephone number for surface reclamation instructions.

If you wish to drill this well at a later date, please submit a complete application (1 original and 5 copies). Since the original APD has expired, the resubmitted APD will be subject to all the processing requirements including the 30-day posting requirement. Please note on the resubmitted APD that it was previously approved and we will review the expired file for information which will help expedite the processing.

Sincerely,

/s/ Linda A. Askwig

Linda A. Askwig  
Legal Instruments Examiner

cc: BLM-I&E (Hobbs)  
NMOCD (Hobbs)  
L Denniston (CFO)

101D

9/27/99

CT  
dp

Hobbs News-Sun

This notice is to appear in the Hobbs News-Sun on Tuesday, June 30, 2015. An affidavit of publication will be mailed to the New Mexico OCD's office upon receipt.

#### LEGAL NOTICE

OWL SWD Operating, LLC, 8214 Westchester Dr, Suite 850, Dallas, Texas 75255 is filling Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division for administrative approval for its salt water disposal well Mills North SWD No. 1. The proposed well will be located 200' FSL & 237' FEL in Section 35, Township 21S, Range 32E in Lea County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Devonian-Silurian Formation (determined by offset log analysis) through an open hole completion between a maximum applied for top of 15,800 feet to maximum depth of 16,800 feet. The maximum surface injection pressure will be 3,022 psi with a maximum rate of 30,000 BWPD. Interested parties opposing the action must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days. Additional information can be obtained from the applicant's agent, Lonquist & Co., LLC, at (512) 600-1774.

42

**Mills North SWD No. 1  
Area of Review**  
Lea County, NM  
Oilfield Water Logistics

Projection: NAD 1983 State Plane NM East FIPS 3001  
Drawn by: SAH    Date: 6/19/2015    Approved by: NLB

**LONQUIST & CO. LLC**

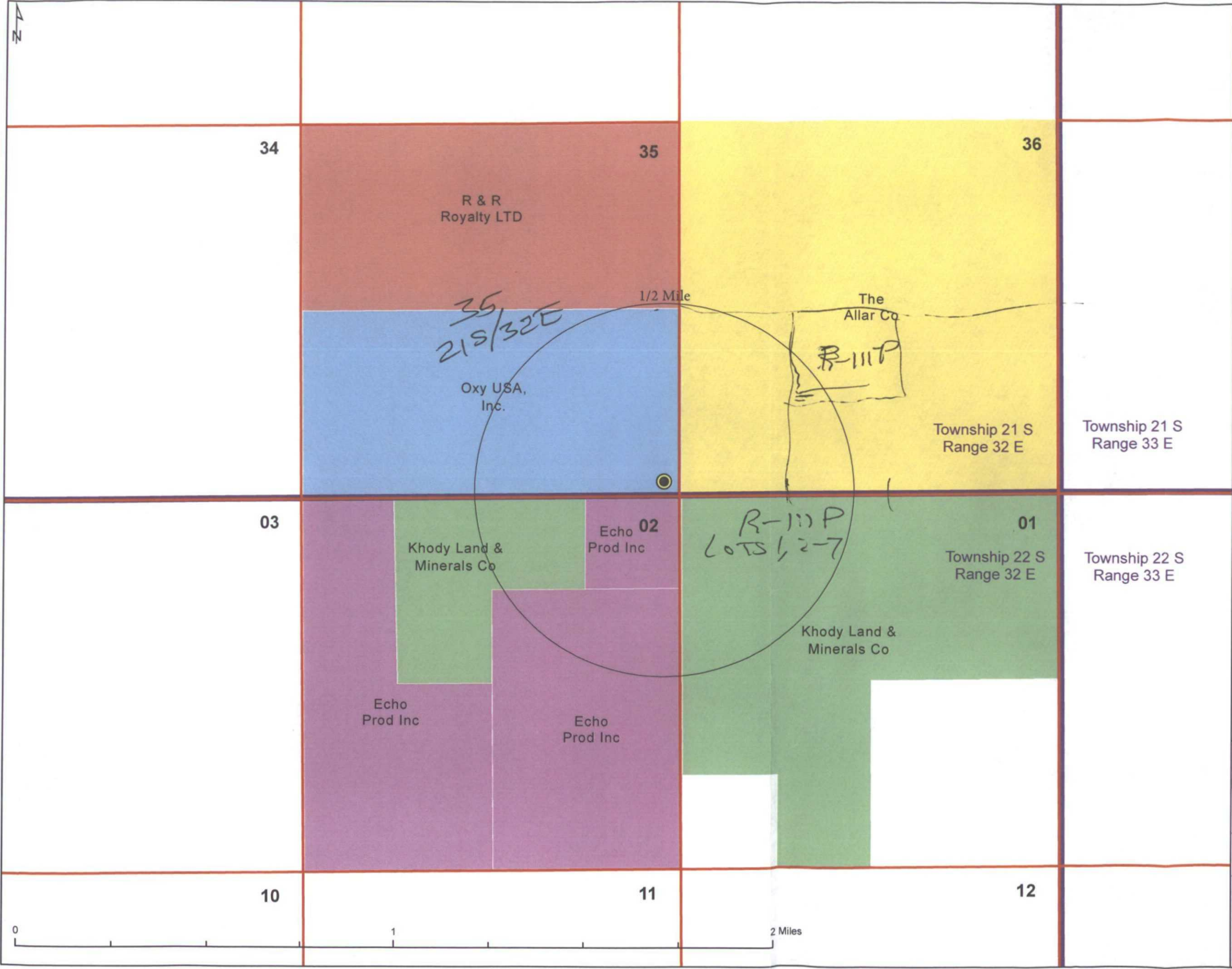
AUSTIN  
HOUSTON

PETROLEUM  
ENGINEERS

ENERGY  
ADVISORS

WICHITA  
CALGARY

Texas License F-8652



- Mills North SWD No. 1
- 1/2 Mile Radius
- ▭ Section Boundary
- ▭ Township Boundary
- Leasee**
- Echo Prod Inc
- Khody Land & Minerals Co
- Oxy USA, Inc.
- R & R Royalty LTD
- The Allar Co



**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

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Run Date: 05/26/2015

01 12-22-1987;101STAT1330;30USC181 ET SE  
Case Type 312021: O&G LSE COMP PD -1987  
Commodity 459: OIL & GAS  
Case Disposition: AUTHORIZED

Total Acres 240.000  
Serial Number NMNM-- - 105891

Name & Address		Serial Number: NMNM-- - 105891		
		Int Rel	% Interest	
CHEVRON MIDCONTINENT LP	1400 SMITH ST	HOUSTON TX 770027327	OPERATING RIGHTS	0.000000000
DOMINION OK TX EXPL & PROD INC	14000 QUAIL SPGS PKY #600	OKLAHOMA CITY OK 73134	OPERATING RIGHTS	0.000000000
ECHO PROD INC	PO BOX 1210	GRAHAM TX 76450	LESSEE	100.000000000
KHODY LAND & MINERALS CO	210 PARK AVE STE 900	OKLAHOMA CITY OK 731025606	OPERATING RIGHTS	0.000000000
LATIGO PETROLEUM INC	15 W 6TH ST #1100	TULSA OK 74119	OPERATING RIGHTS	0.000000000
OXY USA INC	5 GREENWAY PLZ #110	HOUSTON TX 770460521	OPERATING RIGHTS	0.000000000
TALUS INC	PO BOX 1210	GRAHAM TX 76450	OPERATING RIGHTS	0.000000000
THE ALLAR CO	PO BOX 1567	GRAHAM TX 76450	OPERATING RIGHTS	0.000000000
TWIN MONTANA INC	BOX 1210	GRAHAM TX 76450	OPERATING RIGHTS	0.000000000

Serial Number: NMNM-- - 105891						
Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office
23	0220S	0320E	002	ALIQ	S2NE,SE;	CARLSBAD FIELD OFFICE
						County LEA
						Mgmt Agency BUREAU OF LAND MGMT.

Serial Number: NMNM-- - 105891				
Act Date	Code	Action	Action Remark	Pending Office
01/08/2001	974	AUTOMATED RECORD VERIF	ANN	
01/16/2001	387	CASE ESTABLISHED	200101068	
01/17/2001	191	SALE HELD		
01/17/2001	267	BID RECEIVED	\$98400.00;	
01/17/2001	392	MONIES RECEIVED	\$98400.00;	
02/07/2001	237	LEASE ISSUED		
02/07/2001	974	AUTOMATED RECORD VERIF	MCS	
02/15/2001	084	RENTAL RECEIVED BY ONRR	\$360.00;21/MULTIPLE	
03/01/2001	496	FUND CODE	05;145003	
03/01/2001	530	RLTY RATE - 12 1/2%		
03/01/2001	868	EFFECTIVE DATE		
08/20/2001	899	TRF OF ORR FILED		
11/29/2001	932	TRF OPER RGTS FILED	ECHO PRODUCTION INC;1	
01/08/2002	933	TRF OPER RGTS APPROVED	EFF 12/01/2001	
01/17/2002	963	CASE MICROFILMED/SCANNED		
02/24/2003	932	TRF OPER RGTS FILED	ALLAR CO/DOMINION TX	
02/24/2003	932	TRF OPER RGTS FILED	KUKUI/DOMINION TX EX	
02/24/2003	932	TRF OPER RGTS FILED	TALUS/DOMINION TX EXP	
02/24/2003	932	TRF OPER RGTS FILED	TWIN MONTANA/DOMINION	
03/21/2003	933	TRF OPER RGTS APPROVED	(1)EFF 03/01/03;	
03/21/2003	933	TRF OPER RGTS, APPROVED	(2)EFF 03/01/03;	
03/21/2003	933	TRF OPER RGTS APPROVED	(3)EFF 03/01/03;	
03/21/2003	933	TRF OPER RGTS APPROVED	(4)EFF 03/01/03;	
03/21/2003	974	AUTOMATED RECORD VERIF	ANN	
04/30/2003	817	MERGER RECOGNIZED	KUKUI INC/ANIMAS ENE	
06/27/2003	932	TRF OPER RGTS FILED	ANIMAS/SAGA;	
07/29/2003	933	TRF OPER RGTS APPROVED	EFF 07/01/03;	
07/29/2003	974	AUTOMATED RECORD VERIF	MV	
07/12/2004	932	TRF OPER RGTS FILED	SAGA PETRO/LATIGO	
08/20/2004	933	TRF OPER RGTS APPROVED	EFF 08/01/04;	

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08/20/2004	974	AUTOMATED RECORD VERIF	MV
12/08/2006	932	TRF OPER RGTS FILED	LATIGO PE/CHEVRON M;1
01/04/2007	932	TRF OPER RGTS FILED	DOMINION/LOBOS ENE;1
02/12/2007	933	TRF OPER RGTS APPROVED	EFF 01/01/07;
02/12/2007	974	AUTOMATED RECORD VERIF	MV
02/22/2007	933	TRF OPER RGTS APPROVED	EFF 02/01/07;
02/22/2007	974	AUTOMATED RECORD VERIF	ANN
03/31/2008	932	TRF OPER RGTS FILED	LATIGO PETR/OXY USA;1
05/13/2008	933	TRF OPER RGTS APPROVED	EFF 04/01/08;
05/13/2008	974	AUTOMATED RECORD VERIF	ANN
01/08/2009	932	TRF OPER RGTS FILED	LATIGO PETR/OXY USA;1
04/22/2009	933	TRF OPER RGTS APPROVED	EFF 02/01/09;
04/22/2009	974	AUTOMATED RECORD VERIF	MV
02/01/2010	817	MERGER RECOGNIZED	LOBOS ENE/KHODY LAND
02/01/2011	677	SUS OPS OR PROD/PMT REQD	
02/03/2011	673	SUS OPS/PROD APLN FILED	
04/25/2011	232	LEASE COMMITTED TO UNIT	SPEAK EASY NM126140X
06/05/2011	246	LEASE COMMITTED TO CA	CA NM127174
07/01/2011	678	SUSP LIFTED	
07/29/2011	235	EXTENDED	THRU 07/29/2013;
10/10/2011	246	LEASE COMMITTED TO CA	/2/ CA NMNM134148
10/13/2011	643	PRODUCTION DETERMINATION	/1/
10/13/2011	650	HELD BY PROD - ACTUAL	/2/
10/13/2011	658	MEMO OF 1ST PROD-ACTUAL	/2/ MEMO 2/23/15
10/13/2011	659	LOCATED IN PROD UNIT	/1/NMNM126140X;
10/25/2011	974	AUTOMATED RECORD VERIF	BCO
02/23/2015	643	PRODUCTION DETERMINATION	/2/

Serial Number: NMNM-- - 105891

Line Nr	Remarks
0002	04/22/09 PER MMS RENTAL PD FOR 01-09 DUE 03/01/10

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Run Date: 05/26/2015

01 12-22-1987;101STAT1330;30USC181 ET SE

Case Type 312021: O&G LSE COMP PD -1987

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Total Acres  
279.840

Serial Number  
NMNM-- - 106696

Name & Address			Serial Number: NMNM-- - 106696		% Interest
			Int Rel		
CHEVRON MIDCONTINENT LP	1400 SMITH ST	HOUSTON TX 770027327	OPERATING RIGHTS		0.000000000
DOMINION OK TX EXPL & PROD	14000 QUAIL SPGS PKY #600	OKLAHOMA CITY OK 73134	OPERATING RIGHTS		0.000000000
INC					
ECHO PROD INC	PO BOX 1210	GRAHAM TX 76450	LESSEE -		100.000000000
KHODY LAND & MINERALS CO	210 PARK AVE STE 900	OKLAHOMA CITY OK 731025606	OPERATING RIGHTS		0.000000000
LATIGO PETROLEUM INC	15 W 6TH ST #1100	TULSA OK 74119	OPERATING RIGHTS		0.000000000
OXY USA INC	5 GREENWAY PLZ #110	HOUSTON TX 770460521	OPERATING RIGHTS		0.000000000
TALUS INC	PO BOX 1210	GRAHAM TX 76450	OPERATING RIGHTS		0.000000000
THE ALLAR CO	PO BOX 1567	GRAHAM TX 76450	OPERATING RIGHTS		0.000000000
TWIN MONTANA INC	BOX 1210	GRAHAM TX 76450	OPERATING RIGHTS		0.000000000

Serial Number: NMNM-- - 106696						
Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office
23	0220S	0320E	002	ALIQ	SWNW,SW;	CARLSBAD FIELD OFFICE
23	0220S	0320E	002	LOTS	1,4;	CARLSBAD FIELD OFFICE
						County
						LEA
						Mgmt Agency
						BUREAU OF LAND MGMT
						BUREAU OF LAND MGMT

Serial Number: NMNM-- - 106696				
Act Date	Code	Action	Action Remark	Pending Office
04/17/2001	387	CASE ESTABLISHED	200104073	
04/18/2001	191	SALE HELD		
04/18/2001	267	BID RECEIVED	\$100800.00;	
04/18/2001	392	MONIES RECEIVED	\$100800.00;	
05/11/2001	237	LEASE ISSUED		
05/11/2001	974	AUTOMATED RECORD VERIF	GSB	
06/01/2001	496	FUND CODE	05;145003	
06/01/2001	530	RLTY RATE - 12 1/2%		
06/01/2001	868	EFFECTIVE DATE		
07/05/2001	084	RENTAL RECEIVED BY ONRR	\$420.00;11/MULTIPLE	
11/16/2001	899	TRF OF ORR FILED	ECHO PRODUCTION INC;1	
01/18/2002	963	CASE MICROFILMED/SCANNED		
02/28/2002	932	TRF OPER RGTS FILED	ECHO PRODUCTION INC;1	
06/12/2002	933	TRF OPER RGTS APPROVED	EFF 03/01/02;	
06/12/2002	974	AUTOMATED RECORD VERIF	MV	
02/24/2003	932	TRF OPER RGTS FILED	ALLAR CO/DOMINION TX	
02/24/2003	932	TRF OPER RGTS FILED	KUKUI/DOMINION TX EXP	
02/24/2003	932	TRF OPER RGTS FILED	TALUS/DOMINION TX EXP	
02/24/2003	932	TRF OPER RGTS FILED	TWIN MONTANA/DOMINION	
03/21/2003	933	TRF OPER RGTS APPROVED	(1)EFF 03/01/03;	
03/21/2003	933	TRF OPER RGTS APPROVED	(2)EFF 03/01/03;	
03/21/2003	933	TRF OPER RGTS APPROVED	(3)EFF 03/01/03;	
03/21/2003	933	TRF OPER RGTS APPROVED	(4)EFF 03/01/03;	
03/21/2003	974	AUTOMATED RECORD VERIF	ANN	
06/27/2003	932	TRF OPER RGTS FILED	ANIMAS/SAGA;	
07/29/2003	933	TRF OPER RGTS APPROVED	EFF 07/01/03;	
07/29/2003	974	AUTOMATED RECORD VERIF	MV	
07/12/2004	932	TRF OPER RGTS FILED	SAGA PETRO/LATIGO	
08/20/2004	933	TRF OPER RGTS APPROVED	EFF 08/01/04;	

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08/20/2004	974	AUTOMATED RECORD VERIF	MV
12/08/2006	932	TRF OPER RGTS FILED	LATIGO PE/CHEVRON M:1
01/04/2007	932	TRF OPER RGTS FILED	DOMINION/LOBOS ENE;1
02/13/2007	933	TRF OPER RGTS APPROVED	EFF 01/01/07;
02/13/2007	974	AUTOMATED RECORD VERIF	MV
02/22/2007	933	TRF OPER RGTS APPROVED	EFF 02/01/07;
02/22/2007	974	AUTOMATED RECORD VERIF	ANN
03/31/2008	932	TRF OPER RGTS FILED	LATIGO PETR/OXY USA:1
05/13/2008	933	TRF OPER RCTS APPROVED	EFF 04/01/08;
05/13/2008	974	AUTOMATED RECORD VERIF	ANN
01/08/2009	932	TRF OPER RGTS FILED	LATIGO PETR/OXY USA:1
04/22/2009	933	TRF OPER RGTS APPROVED	EFF 02/01/09;
04/22/2009	974	AUTOMATED RECORD VERIF	MV
02/01/2010	817	MERGER RECOGNIZED	LOBOS ENE/KHODY LAND
02/01/2011	677	SUS OPS OR PROD/PMT REQD	
02/03/2011	673	SUS OPS/PROD APLN FILED	
04/25/2011	232	LEASE COMMITTED TO UNIT	SPEAK EASY NM126140X
06/05/2011	246	LEASE COMMITTED TO CA	CA NM127174
07/01/2011	678	SUSP LIFTED	
10/10/2011	246	LEASE COMMITTED TO CA	/2/ CA NMNM134148
10/13/2011	643	PRODUCTION DETERMINATION	/1/
10/13/2011	650	HELD BY PROD - ACTUAL	/1/
10/13/2011	650	HELD BY PROD - ACTUAL	/2/
10/13/2011	658	MEMO OF 1ST PROD-ACTUAL	/1/#1H RUM RNNR 2;
10/13/2011	658	MEMO OF 1ST PROD-ACTUAL	/2/ MEMO 2/23/15
10/25/2011	974	AUTOMATED RECORD VERIF	BCO
10/28/2011	235	EXTENDED	THRU 10/28/2013;
02/23/2015	643	PRODUCTION DETERMINATION	/2/

Serial Number: NMNM-- - 106696

Line Nr	Remarks
0002	04/22/09 PER MMS RENTAL PD FOR 01-09 DUE 06/01/10

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
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Run Date: 05/26/2015

**01 12-22-1987;101STAT1330;30USC181 ET SE**  
**Case Type 312021: O&G LSE COMP PD -1987**  
**Commodity 459: OIL & GAS**  
**Case Disposition: AUTHORIZED**

**Total Acres 559.680**  
**Serial Number NMNM-- - 109758**

**Serial Number: NMNM-- - 109758**

Name & Address	Int Rel	% Interest
CHEVRON MIDCONTINENT LP	OPERATING RIGHTS	0.000000000
KHODY, LAND & MINERALS CO	LESSEE	100.000000000
LATIGO PETROLEUM INC	OPERATING RIGHTS	0.000000000
OXY USA INC	OPERATING RIGHTS	0.000000000
TALUS INC	OPERATING RIGHTS	0.000000000
THE ALLAR CO	OPERATING RIGHTS	0.000000000
TWIN MONTANA INC	OPERATING RIGHTS	0.000000000

**Serial Number: NMNM-- - 109758**

Mer Twp Rng Sec	SType	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23 0220S 0320E 001	ALIQ		S2N2,N2SW,SESW;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 0220S 0320E 001	LOTS		1,2,3,4;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 0220S 0320E 002	ALIQ		SENW;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 0220S 0320E 002	LOTS		2,3;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

**Serial Number: NMNM-- - 109758**

Act Date	Code	Action	Action Remark	Pending Office
01/21/2003	387	CASE ESTABLISHED	200301093	
01/22/2003	143	BONUS BID PAYMENT RECD	\$1120.00;	
01/22/2003	191	SALE HELD		
01/22/2003	267	BID RECEIVED	\$134400.00;	
02/04/2003	143	BONUS BID PAYMENT RECD	\$133280.00;	
02/13/2003	237	LEASE ISSUED		
02/13/2003	974	AUTOMATED RECORD VERIF	LBO	
02/26/2003	963	CASE MICROFILMED/SCANNED		
03/01/2003	496	FUND CODE	05:145003	
03/01/2003	530	RLTY RATE - 12 1/2%		
03/01/2003	868	EFFECTIVE DATE		
04/18/2003	932	TRF OPER RGTS FILED	DOMINION/SAGA PETRO	
05/29/2003	933	TRF OPER RGTS APPROVED	EFF 05/01/03;	
05/29/2003	974	AUTOMATED RECORD VERIF	ANN	
07/12/2004	932	TRF OPER RGTS FILED	SAGA PETRO/LATIGO	
08/20/2004	933	TRF OPER RGTS APPROVED	EFF 08/01/04;	
08/20/2004	974	AUTOMATED RECORD VERIF	MV	
05/22/2006	899	TRF OF ORR FILED	1	
12/08/2006	932	TRF OPER RGTS FILED	LATIGO PE/CHEVRON M;1	
01/09/2007	140	ASGN FILED	DOMINION/LOBOS ENE;1	
02/13/2007	933	TRF OPER RGTS APPROVED	EFF 01/01/07;	
02/13/2007	974	AUTOMATED RECORD VERIF	MV	
02/20/2007	899	TRF OF ORR FILED	1	
03/12/2007	139	ASGN APPROVED	EFF 02/01/07;	
03/12/2007	974	AUTOMATED RECORD VERIF	ANN	
05/14/2007	899	TRF OF ORR FILED	1	
03/31/2008	932	TRF OPER RGTS FILED	LATIGO PETR/OXY USA;1	
05/13/2008	933	TRF OPER RGTS APPROVED	EFF 04/01/08;	
05/13/2008	974	AUTOMATED RECORD VERIF	ANN	

**NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM**

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

Run Time: 10:23 AM

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Run Date: 05/26/2015

01/08/2009	932	TRF OPER RGTS FILED	LATIGO PETR/OXY USA;1
04/22/2009	933	TRF OPER RGTS APPROVED	EFF 02/01/09;
04/22/2009	974	AUTOMATED RECORD VERIF	MV
02/01/2010	817	MERGER RECOGNIZED	LOBOS ENE/KHODY LAND
04/25/2011	232	LEASE COMMITTED TO UNIT	SPEAK EASY NM126140X
06/05/2011	246	LEASE COMMITTED TO CA	CA NM127174
10/10/2011	246	LEASE COMMITTED TO CA	/2/ CA NMNM134148
10/13/2011	643	PRODUCTION DETERMINATION	/1/
10/13/2011	650	HELD BY PROD - ACTUAL	/2/
10/13/2011	658	MEMO OF 1ST PROD-ACTUAL	/2/
10/13/2011	659	LOCATED IN PROD UNIT	/1/NMNM126140X;
02/23/2015	643	PRODUCTION DETERMINATION	/2/

Serial Number: NMNM-- - 109758

Line Nr	Remarks
0002	STIPULATIONS ATTACHED TO LEASE:
0003	SENM-S-1 (POTASH)
0004	SENM-S-15 (WILDLIFE HABITAT PROJECTS)
0005	SENM-S-22 (PRAIRIE CHICKENS)
0006	02/13/07 CHEVRON BONDED TRANSFEREE NM2881/NW
0007	04/22/09 PER MMS RENTAL PD FOR 03-09 DUE 03/01/10

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

Run Time: 10:40 AM

Page 1 of 3

Run Date: 05/26/2015

**01 12-22-1987;101STAT1330;30USC181 ET SE**  
**Case Type 312021: O&G LSE COMP PD -1987**  
**Commodity 459: OIL & GAS**  
**Case Disposition: AUTHORIZED**

**Total Acres 640.000**  
**Serial Number NMNM-- - 108967**

Name & Address		Serial Number: NMNM-- - 108967	Int Rel	% Interest
DOMINION OK TX EXPL & PROD INC	14000 QUAIL SPGS PKY #600	OKLAHOMA CITY OK 73134	OPERATING RIGHTS	0.000000000
EG3 INC	PO BOX 1567	GRAHAM TX 76450	OPERATING RIGHTS	0.000000000
KHODY LAND & MINERALS CO	210 PARK AVE STE 900	OKLAHOMA CITY OK 731025606	OPERATING RIGHTS	0.000000000
TALUS INC	PO BOX 1210	GRAHAM TX 76450	OPERATING RIGHTS	0.000000000
THE ALLAR CO	PO BOX 1567	GRAHAM TX 76450	LESSEE	100.000000000

**Serial Number: NMNM-- - 108967**

Mer Twp	Rng	Sec	SType	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0210S	0320E	036	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

**Serial Number: NMNM-- - 108967**

Act Date	Code	Action	Action Remark	Pending Office
07/16/2002	387	CASE ESTABLISHED	200207151	
07/17/2002	191	SALE HELD		
07/17/2002	267	BID RECEIVED	\$54400.00;	
07/17/2002	392	MONIES RECEIVED	\$54400.00;	
08/14/2002	237	LEASE ISSUED		
08/14/2002	974	AUTOMATED RECORD VERIF	GSB	
09/01/2002	496	FUND CODE	05:145003	
09/01/2002	530	RLTY RATE - 12 1/2%		
09/01/2002	868	EFFECTIVE DATE		
09/26/2002	899	TRF OF ORR FILED	THE ALLAR CO;1	
09/30/2002	932	TRF OPER RGTS FILED	THE ALLAR CO/EG3	
10/21/2002	932	TRF OPER RGTS FILED	EG3 INC/TALUS.	
10/21/2002	932	TRF OPER RGTS FILED	THE ALLAR/DOMINION	
10/23/2002	899	TRF OF ORR FILED	THE ALLAR CO;1	
12/10/2002	933	TRF OPER RGTS APPROVED	EFF 10/01/02;	
12/10/2002	974	AUTOMATED RECORD VERIF	LR	
12/16/2002	933	TRF OPER RGTS APPROVED	01 EFF 11/01/02;	
12/16/2002	933	TRF OPER RGTS APPROVED	02 EFF 11/01/02;	
12/16/2002	974	AUTOMATED RECORD VERIF	LR	
01/04/2007	932	TRF OPER RGTS FILED	DOMINION/LOBOS ENE;1	
02/22/2007	933	TRF OPER RGTS APPROVED	EFF 02/01/07;	
02/22/2007	974	AUTOMATED RECORD VERIF	ANN	
02/01/2010	817	MERGER RECOGNIZED	LOBOS ENE/KHODY LAND	
04/25/2011	232	LEASE COMMITTED TO UNIT	SPEAK EASY NM126140X	
10/13/2011	643	PRODUCTION DETERMINATION	/1/	
10/13/2011	653	HELD BY LOC IN PROD UNIT	/1/	
10/13/2011	659	LOCATED IN PROD UNIT	/1/NMNM126140X;	

**Serial Number: NMNM-- - 108967**

Line Nr	Remarks
0002	STIPS APPLIED TO LEASE:
0003	SENM-S-1 (POTASH)
0004	SENM-S-22 (PRAIRIE CHICKENS)

**NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM**

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page

Run Time: 10:40 AM

Page 2 of 3

Run Date: 05/26/2015

0005

RENTAL PAID THROUGH 09/01/2007 PER MRM

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

Run Time: 10:40 AM

Page 3 of 3

Run Date: 05/26/2015

01 12-22-1987;101STAT1330;30USC181 ET SE  
Case Type 312021: O&G LSE COMP PD -1987  
Commodity 459: OIL & GAS  
Case Disposition: AUTHORIZED

Total Acres 320.000  
Serial Number NMNM-- - 120905

Name & Address			Serial Number: NMNM-- - 120905	Int Rel	% Interest
R & R ROYALTY LTD	500 N SHORELINE BLVD STE 322	CORPUS CHRISTI TX 78401	LESSEE		100.000000000

Mer Twp Rng Sec			STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0210S	0320E	035	ALIG	N2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

Act Date	Code	Action	Action Remark	Pending Office
05/30/2008	387	CASE ESTABLISHED	200807023;	
06/30/2008	299	PROTEST FILED	SUSAN H BELL	
07/01/2008	299	PROTEST FILED	WESTERN ENVR LAW CTR	
07/01/2008	299	PROTEST FILED	WILD EARTH GUARDIANS	
07/16/2008	143	BONUS BID PAYMENT RECD	\$640.00;	
07/16/2008	191	SALE HELD		
07/16/2008	267	BID RECEIVED	\$112000.00;	
07/22/2008	143	BONUS BID PAYMENT RECD	\$111360.00;	
09/08/2008	298	PROTEST DISMISSED	SUSAN H BELL	
10/24/2008	298	PROTEST DISMISSED	WILD EARTH GUARDIANS	
10/31/2008	237	LEASE ISSUED		
10/31/2008	298	PROTEST DISMISSED	WESTERN ENVR LAW CTR	
11/01/2008	496	FUND CODE	05;145003	
11/01/2008	530	RLTY RATE - 12 1/2%		
11/01/2008	868	EFFECTIVE DATE		
10/31/2018	763	EXPIRES		

Line Nr	Remarks
02	STIPULATIONS ATTACHED TO LEASE:
03	NM-11-LN SPECIAL CULTURAL RESOURCE
04	SENM-S-1 POTASH STIPULATION
05	SENM-S-17 SLOPES OR FRAGILE SOILS
06	SENM-S-22 PRAIRIE CHICKENS

**Mills North SWD No.1**

**TOWNSHIP 21 SOUTH, RANGE 32 EAST, N.M.P.M.**

**Section 35: S/2**

**Lea County, New Mexico**

**Containing 320.00 acres, more or less.**

**Record Date: 4/27/2015**

**Report Date: 5/19/2015**

<b>NAME OF WORKING INTEREST OWNERS</b>	<b>INTEREST</b>
Oxy USA, WTP, Limited Partnership P.O. Box 4294 Houston, TX 77210	100%

<b>NAME OF OVERRIDING ROYALTY INTEREST OWNERS</b>	<b>INTEREST</b>
Madison M. Hinkle et ux Susan M. Hinkle P.O. Box 2292 Roswell, NM 88202	
Rolla R. Hinkle et ux Rosemary Hinkle P.O. Box 2292 Roswell, NM 88202	
Double B. Assets, LLC P.O. Box 2107 Roswell, NM 88202	
Tashina A. Lilley 4425 98th St., Suite 200 Lubbock, TX 79424	
Lisa M. Lilley 4425 98th St., Suite 200 Lubbock, TX 79424	
KJH Minerals & Royalty, LLC P.O. Box 1874 Midland, TX 79702	
Escondido Oil & Gas, LLC P.O. Box 51390 Midland, TX 79710	
Brian Arnold, Jr. P.O. Box 50820 Midland, TX 79710	

**Title Note #1:** Per client request, title was only checked Leasehold status.

Bryan Buxkemper

\*This report is supplied without warranty, either expressed or implied\*

Attached are shipment receipts for copies of Mills North SWD No. 1 Form C-108 that have been sent to offset lease operators, The Bureau of Land Management, and the surface land owner. In addition, a copy of Form C-101 has been included with Oxy USA WTP, LP's copy of Form C-108 in order to be compliant with NMAC 19.15.14.9 (b).

Offset Lease Holders/ Operators:

- R&R Royalty
  - Oxy USA, Inc.
  - Oxy USA WTP, LP
  - The Allar Company
  - Khody Land & Minerals Co.
  - Echo Production, Inc.
  - Bureau of Land Management
- 

Surface Land Owner:

- Jimmy Mills Trusts
- 



**FedEx** Shipment Receipt**Address Information**

**Ship to:**  
Mr. Frankie Mills  
Frankie Mills Trusts  
1602 Avenue J

**Ship from:**  
Steve Pattee  
Lonquist Field Service, LLC  
1001 McKinney Ste. 1445

ABERNATHY, TX      Houston, TX  
79311                77002  
US                    US  
8062982752        7135599950

**Shipment Information:**

Tracking no.: 773925750670  
Ship date: 06/26/2015  
Estimated shipping charges: 9.55

**Package Information**

Pricing option: FedEx Standard Rate  
Service type: FedEx Ground  
Package type: Your Packaging  
Number of packages: 1  
Total weight: 1 LBS  
Declared Value: 0.00 USD  
Special Services:  
Pickup/Drop-off: Use an already scheduled pickup at my location

**Billing Information:**

Bill transportation to: MyAccount-000  
Your reference: # 1126  
P.O. no.:  
Invoice no.:  
Department no.:

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Thank you for shipping online with FedEx ShipManager at [fedex.com](http://fedex.com).

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**Please Note**

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits. Consult the applicable FedEx Service Guide for details. The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable FedEx Service Guide or the FedEx Rate Sheets for details on how shipping charges are calculated.



## Shipment Receipt

## Address Information

**Ship to:**  
 Select or enter  
 R & R Royalty, Ltd.  
 500 North Shoreline Blvd,  
 Suite 322

**Ship from:**  
 Steve Pattee  
 Lonquist Field Service, LLC  
 1001 McKinney Ste. 1445

CORPUS CHRISTI, TX	Houston, TX
78401	77002
US	US
3618823858	7135599950

## Shipment Information:

Tracking no.: 773926121386  
 Ship date: 06/26/2015  
 Estimated shipping charges: 7.06

## Package Information

Pricing option: FedEx Standard Rate  
 Service type: FedEx Ground  
 Package type: Your Packaging  
 Number of packages: 1  
 Total weight: 1 LBS  
 Declared Value: 0.00 USD  
 Special Services:  
 Pickup/Drop-off: Use an already scheduled pickup at my location

## Billing Information:

Bill transportation to: MyAccount-000  
 Your reference: # 1126  
 P.O. no.:  
 Invoice no.:  
 Department no.:

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## Please Note

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## Shipment Receipt

## Address Information

<b>Ship to:</b>	<b>Ship from:</b>
Select or enter	Steve Pattee
Bureau of Land Management	Lonquist Field Service, LLC
620 East Greene Street	1001 McKinney Ste. 1445
 CARLSBAD, NM	 Houston, TX
88220	77002
US	US
5152345972	7135599950

## Shipment Information:

Tracking no.: 773925912240  
 Ship date: 06/26/2015  
 Estimated shipping charges: 9.55

## Package Information

Pricing option: FedEx Standard Rate  
 Service type: FedEx Ground  
 Package type: Your Packaging  
 Number of packages: 1  
 Total weight: 1 LBS  
 Declared Value: 0.00 USD  
 Special Services:  
 Pickup/Drop-off: Use an already scheduled pickup at my location

## Billing Information:

Bill transportation to: MyAccount-000  
 Your reference: # 1126  
 P.O. no.:  
 Invoice no.:  
 Department no.:

Thank you for shipping online with FedEx ShipManager at [fedex.com](http://fedex.com).

## Please Note

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 The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.



## Shipment Receipt

## Address Information

<b>Ship to:</b>	<b>Ship from:</b>
Select or enter	Steve Pattee
Oxy USA, Inc.	Lonquist Field Service, LLC
P. O. Box 50250	1001 McKinney Ste. 1445
 MIDLAND, TX	 Houston, TX
79710	77002
US	US
7132157000	7135599950

## Shipment Information:

Tracking no.: 773925826336  
Ship date: 06/26/2015  
Estimated shipping charges: 7.26

## Package Information

Pricing option: FedEx Standard Rate  
Service type: FedEx Ground  
Package type: Your Packaging  
Number of packages: 1  
Total weight: 1 LBS  
Declared Value: 0.00 USD  
Special Services:  
Pickup/Drop-off: Use an already scheduled pickup at my location

## Billing Information:

Bill transportation to: MyAccount-000  
Your reference: # 1126  
P.O. no.:  
Invoice no.:  
Department no.:

Thank you for shipping online with FedEx ShipManager at [fedex.com](http://fedex.com).

## Please Note

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## Shipment Receipt

## Address Information

## Ship to:

Select or enter  
Oxy USA WTP Ltd  
Partnership  
P. O.Box 4294

## Ship from:

Steve Pattee  
Lonquist Field Service, LLC  
1001 McKinney Ste. 1445

HOUSTON, TX

77210

US

7132157000

Houston, TX

77002

US

7135599950

## Shipment Information:

Tracking no.: 773925867494

Ship date: 06/26/2015

Estimated shipping charges: 6.87

## Package Information

Pricing option: FedEx Standard Rate

Service type: FedEx Ground

Package type: Your Packaging

Number of packages: 1

Total weight: 1 LBS

Declared Value: 0.00 USD

Special Services:

Pickup/Drop-off: Use an already scheduled pickup at my location

## Billing Information:

Bill transportation to: MyAccount-000

Your reference: # 1126

P.O. no.:

Invoice no.:

Department no.:

Thank you for shipping online with FedEx ShipManager at [fedex.com](http://fedex.com).

## Please Note

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## Shipment Receipt

## Address Information

## Ship to:

Select or enter  
The Allar Company  
P. O. Box 1567

## Ship from:

Steve Pattee  
Lonquist Field Service, LLC  
1001 McKinney Ste. 1445

GRAHAM, TX

Houston, TX

76450

77002

US

US

9405493292

7135599950

## Shipment Information:

Tracking no.: 773925953295

Ship date: 06/26/2015

Estimated shipping charges: 9.35

## Package Information

Pricing option: FedEx Standard Rate

Service type: FedEx Ground

Package type: Your Packaging

Number of packages: 1

Total weight: 1 LBS

Declared Value: 0.00 USD

Special Services:

Pickup/Drop-off: Use an already scheduled pickup at my location

## Billing Information:

Bill transportation to: MyAccount-000

Your reference: # 1126

P.O. no.:

Invoice no.:

Department no.:

Thank you for shipping online with FedEx ShipManager at fedex.com.

## Please Note

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The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.



## Shipment Receipt

## Address Information

**Ship to:**  
Select or enter  
Khody Land & Minerals, Co.  
210 Park Avenue, Suite 900

**Ship from:**  
Steve Pattee  
Lonquist Field Service, LLC  
1001 McKinney Ste. 1445

OKLAHOMA CITY, OK      Houston, TX  
73102                      77002  
US                          US  
4059492221                7135599950

## Shipment Information:

Tracking no.: 773926003877  
Ship date: 06/26/2015  
Estimated shipping charges: 7.26

## Package Information

Pricing option: FedEx Standard Rate  
Service type: FedEx Ground  
Package type: Your Packaging  
Number of packages: 1  
Total weight: 1 LBS  
Declared Value: 0.00 USD  
Special Services:  
Pickup/Drop-off: Use an already scheduled pickup at my location

## Billing Information:

Bill transportation to: MyAccount-000  
Your reference:  
P.O. no.:  
Invoice no.:  
Department no.:

Thank you for shipping online with FedEx ShipManager at [fedex.com](http://fedex.com).

## Please Note

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The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.



## Shipment Receipt

## Address Information

## Ship to:

Select or enter  
Echo Production, Inc.  
P. O. Box 1210

## Ship from:

Steve Pattee  
Lonquist Field Service, LLC  
1001 McKinney Stc. 1445

GRAHAM, TX

Houston, TX

76450

77002

US

US

9405493292

7135599950

## Shipment Information:

Tracking no.: 773926049170

Ship date: 06/26/2015

Estimated shipping charges: 9.35

## Package Information

Pricing option: FedEx Standard Rate

Service type: FedEx Ground

Package type: Your Packaging

Number of packages: 1

Total weight: 1 LBS

Declared Value: 0.00 USD

Special Services:

Pickup/Drop-off: Use an already scheduled pickup at my location

## Billing Information:

Bill transportation to: MyAccount-000

Your reference: # 1126

P.O. no.:

Invoice no.:

Department no.:

Thank you for shipping online with FedEx ShipManager at [fedex.com](http://fedex.com).

## Please Note

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits. Consult the applicable FedEx Service Guide for details. The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.



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**District II**  
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**District III**  
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Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

**State of New Mexico**  
**Energy Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 South St. Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
Revised July 18, 2013

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address OWL SWD Operating, LLC 8214 Westchester Drive, Suite 850, Dallas, TX 75255		<sup>2</sup> OGRID Number 308339
<sup>4</sup> Property Code		<sup>3</sup> API Number 30-025-
<sup>5</sup> Property Name Mills North SWD		<sup>6</sup> Well No. 1

**<sup>7</sup> Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	35	21S	32E		200	South	237	East	Lea

**<sup>8</sup> Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	35	21S	32E		200	South	237	East	Lea

**<sup>9</sup> Pool Information**

Pool Name SWD: Devonian - Silurian	Pool Code 97869
---------------------------------------	--------------------

**Additional Well Information**

<sup>11</sup> Work Type N	<sup>12</sup> Well Type S	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type P	<sup>15</sup> Ground Level Elevation 3,663'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 16,800'	<sup>18</sup> Formation Devonian - Silurian	<sup>19</sup> Contractor Unknown	<sup>20</sup> Spud Date ASAP
Depth to Ground water 150'		Distance from nearest fresh water well 15,261'		Distance to nearest surface water 1 mile +

☒ We will be using a closed-loop system in lieu of lined pits

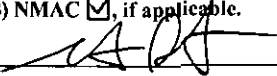
**<sup>21</sup> Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	24"	20"	106.5 #/ft	950'	1,146 sks	surface
Intermediate 1	17.500"	13.625"	88.2 #/ft	6,000'	4,586 sks	surface
Intermediate 2	12.250"	10.750"	65.7 #/ft	12,000'	2,713 sks	surface
Production Liner	8.750"	7"	35 #/ft	11,800' - 15,800'	728 sks	11,800'
Tubing	N/A	5.500"	20 #/ft, 23 lb/ft	15,700'	N/A	N/A

**Casing/Cement Program: Additional Comments**

**<sup>22</sup> Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/ Blinds, Pipe	5,000	5,000	Cameron

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed name: Stephen L. Pattee	Approved By:	
Title: Manager of Regulatory Affairs	Title:	
E-mail Address: steve@lonquist.com	Approved Date:	Expiration Date:

Date: 6-24-15	Phone: 512-600-1774	Conditions of Approval Attached
---------------	---------------------	---------------------------------

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/ Blinds.Pipe	5,000	5,000	Cameron

Above BOP will be used until 10.750" casing is set and cemented. Prior to drilling the 8.750" hole 10,000 psi equipment will be installed.

No H2S is expected. H2S monitoring equipment and safety equipment will be in service after setting of 10.750" casing.

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District IV  
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Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

FEB 11 2015

☒ AMENDED REPORT  
(As Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-41498	Pool Code 51683	Pool Name Bilbrey Delaware
Property Code 40222	Property Name ANDERSON "35"	Well Number 2H
OGRID No. 192463	Operator Name OXY USA WTP Limited Partnership	Elevation 3687.9'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	21 SOUTH	32 EAST, N.M.P.M.		660'	SOUTH	150'	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	35	21 SOUTH	32 EAST, N.M.P.M.		660' 331'	SOUTH	330' 331'	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
			ID = 731 FSL 331 FEL BP = 719 FSL 516 FEL TP = 677 FSL 417 FSL

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization also owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order duly approved by the division.</p> <p>Signature: <i>David Stewart</i> Date: 11/8/13</p> <p>Printed Name: David Stewart SR. Reg. Adv.</p> <p>E-mail Address: david_stewart@oxy.com</p>	
<p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>Date of Survey: MARCH 21, 2013</p> <p>Signature and Seal of Professional Surveyor: <i>James J. Adel</i></p> <p>Certificate Number: 15079</p>	

**SURFACE LOCATION**  
NEW MEXICO EAST  
NAD 1927  
Y=520711.1  
X=709865.6  
LAT.: N 32.4297114°  
LONG.: W 103.6530867°

**PENETRATION POINT**  
NEW MEXICO EAST  
NAD 1927  
Y=520713.1  
X=710065.6  
LAT.: N 32.4297137°  
LONG.: W 103.6525033°

**BOTTOM HOLE LOCATION**  
NEW MEXICO EAST  
NAD 1927  
Y=520764.0  
X=714686.4  
LAT.: N 32.4297718°  
LONG.: W 103.6375271°

GRID AZ = 89°22'06" 4801.10' IN ALL

PRODUCING AREA

PROJECT AREA

FEB 24 2015

District I  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone: (505) 393-6161 Fax: (505) 393-0720  
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 811 S. First St., Artesia, NM 88210  
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State of New Mexico  
 Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
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 Santa Fe, NM 87505

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

MAR 23 2015

☒ AMENDED REPORT  
 (As Drilled)

RECEIVED

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>30-025-42123</b>	Pool Code <b>51683</b>	Pool Name <b>Red Tank Bone Springs</b>
Property Code <b>40222</b>	Property Name <b>ANDERSON "35"</b>	Well Number <b>5H</b>
OGRID No. <b>192463</b>	Operator Name <b>OXY USA WTP LP</b>	Elevation <b>3685.1'</b>

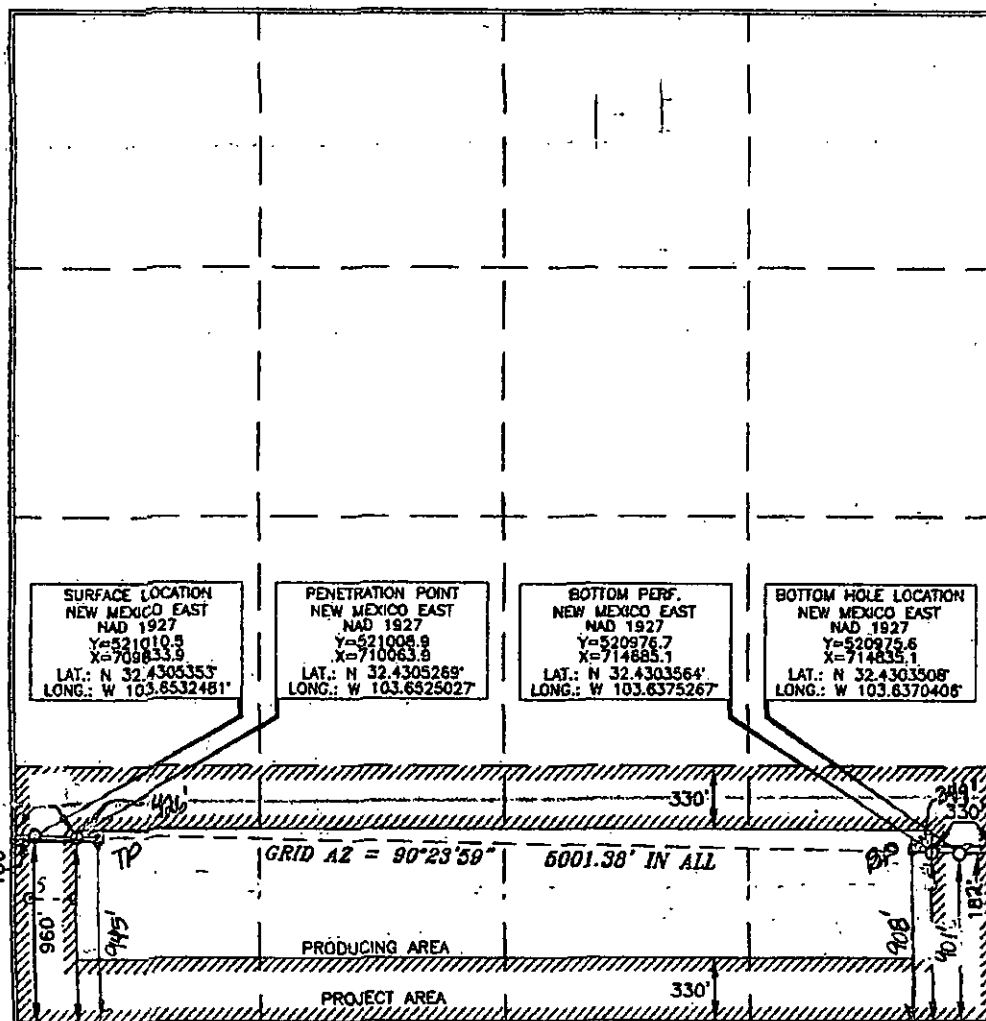
**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>M</b>	<b>35</b>	<b>21 SOUTH</b>	<b>32 EAST, N.M.P.M.</b>		<b>960'</b>	<b>SOUTH</b>	<b>100'</b>	<b>WEST</b>	<b>LEA</b>

**Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>P</b>	<b>35</b>	<b>21 SOUTH</b>	<b>32 EAST, N.M.P.M.</b>		<b>859'</b> <b>901'</b>	<b>SOUTH</b>	<b>100'</b> <b>122'</b>	<b>EAST</b>	<b>LEA</b>
Dedicated Acres <b>160</b>	Joint or Infill <b>N</b>	Consolidation Code	Order No.	<b>TD- 901' FSL 132' FEL</b> <b>BP- 909' FSL 249' FEL</b> <b>TP- 945' FSL 426' FWL</b>					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and  
 accurate to the best of my knowledge and belief and that I am  
 representing either owner a working interest or interest in the  
 interest in the land including the proposed bottom hole location or  
 has a right to drill this well at this location pursuant to a contract  
 with an owner of such a mineral or working interest, or to a  
 voluntary pooling agreement or a compulsory pooling order  
 heretofore entered by the division.

Signature: *David Stewart* Date: **9/9/14**  
 Printed Name: **David Stewart Sr. Reg. Adv.**  
 Email Address: **david.stewart@oxy.com**

**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this  
 plat was plotted from professional or actual surveys  
 made by me or under my supervision and that the  
 same is correct to the best of my belief.

Date of Survey: **MAY 5 2014**  
 Signature and Seal: *Terry J. Paul*  
 Professional Surveyor  
 Certificate Number: **15079**

WQZ 140505WL-a (NA)  
 MAR 31 2015

District I  
1621 N. French Dr., Hobbs, NM 88240  
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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
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Santa Fe, NM 87505

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-025- 42492	Pool Code 51683	Pool Name Red Tank Bone Spring
Property Code 40222	Property Name ANDERSON "35"	Well Number 6H
OGRID No. 192463	Operator Name OXY USA WTP LP	Elevation 3691.9'

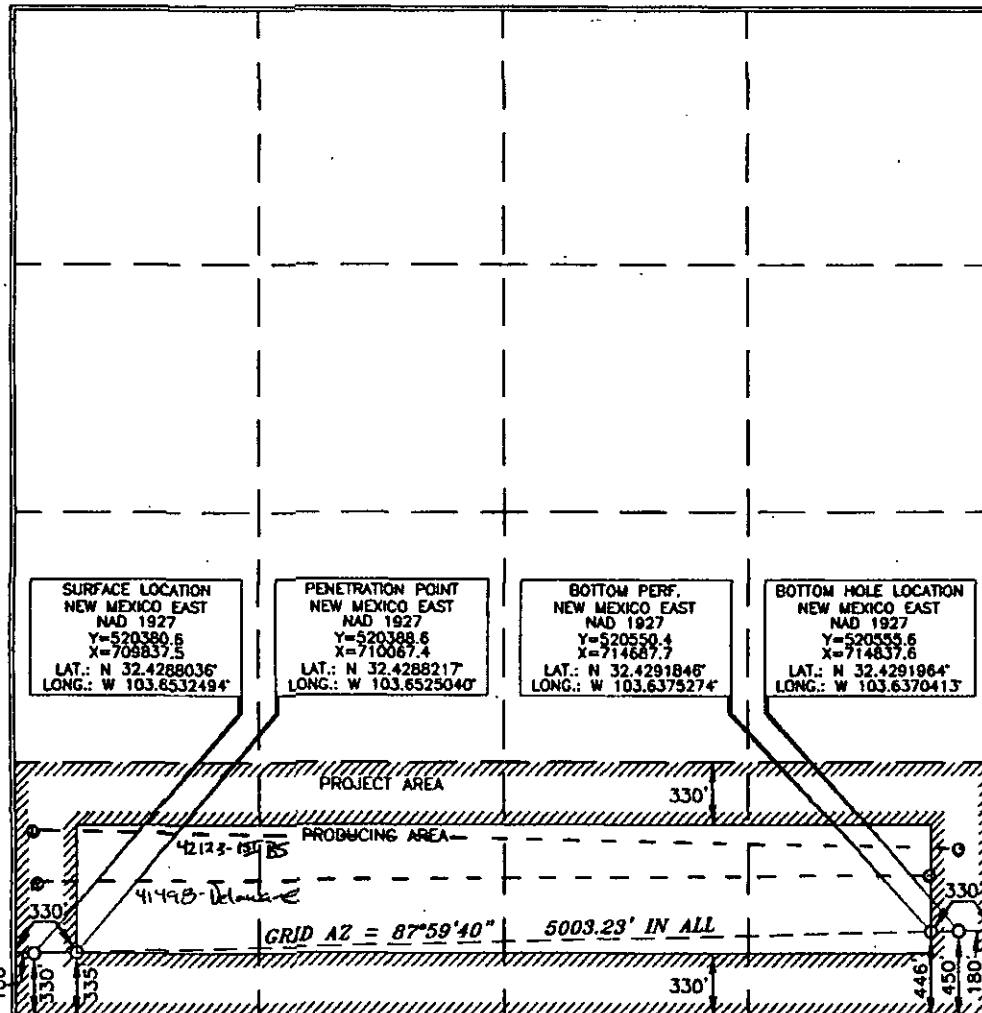
**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	21 SOUTH	32 EAST, N.M.P.M.		330'	SOUTH	100'	WEST	LEA

**Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	35	21 SOUTH	32 EAST, N.M.P.M.		450'	SOUTH	180'	EAST	LEA
Dedicated Acres 160		Joint or Infill Y	Consolidation Code	Order No.					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: [Signature] Date: 5/25/15  
Printed Name: David Stewart SR. Reg. AG.  
E-mail Address: David.Stewart@oxy.com

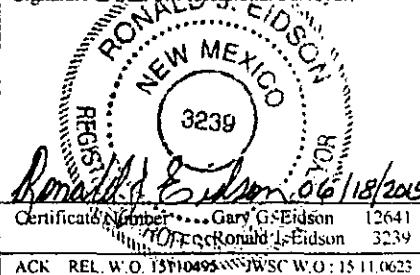
**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: May 5, 2014  
Signature and Seal: [Signature]  
Professional Surveyor: 15079  
Certificate Number: 15079  
WO# 140505WL-b (N)

MAK 31 2015

**DISTRICT IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462



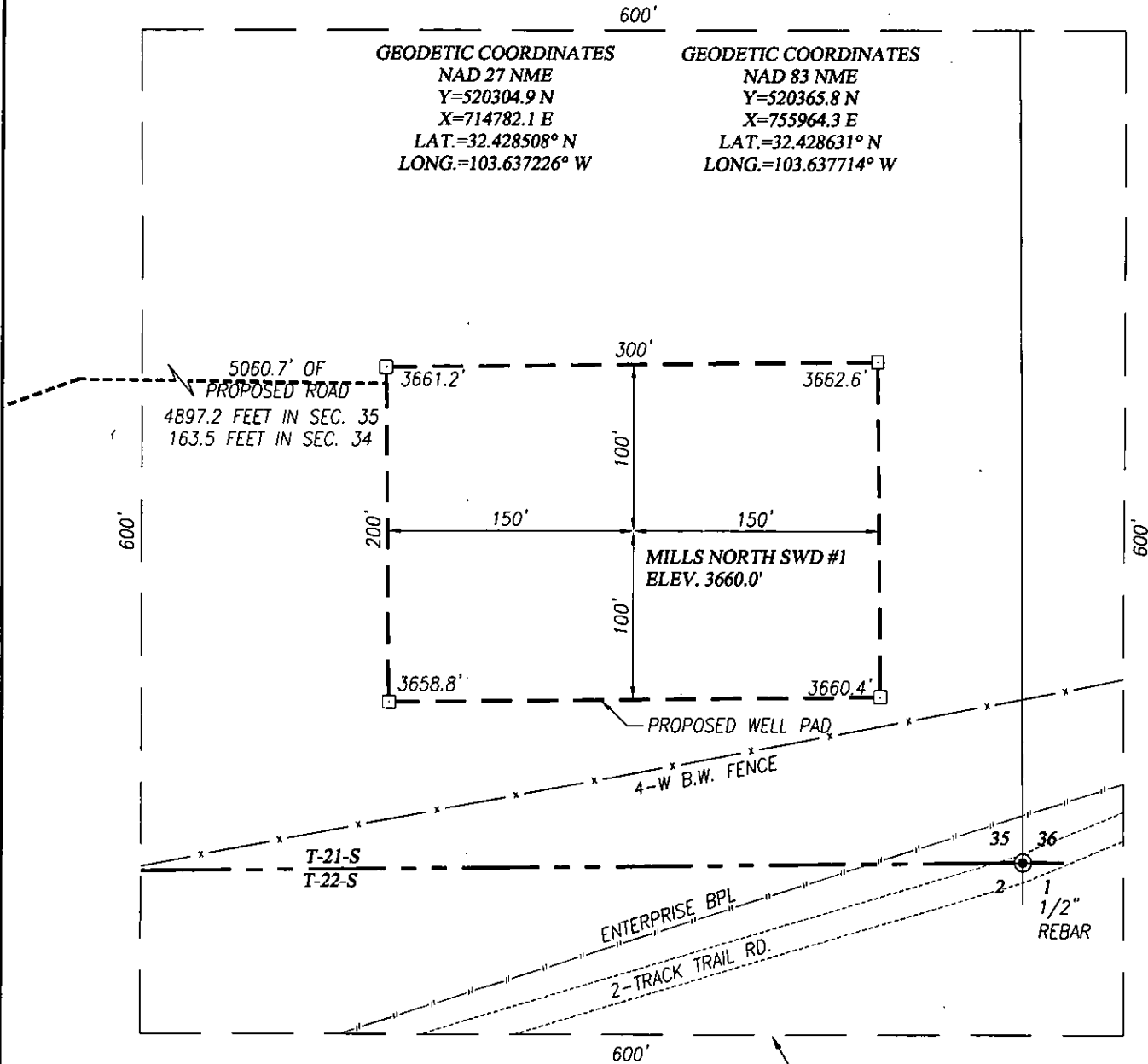
# WELL SITE PLAN

## GEODETIC COORDINATES

NAD 27 NME  
Y=520304.9 N  
X=714782.1 E  
LAT.=32.428508° N  
LONG.=103.637226° W

## GEODETIC COORDINATES

NAD 83 NME  
Y=520365.8 N  
X=755964.3 E  
LAT.=32.428631° N  
LONG.=103.637714° W



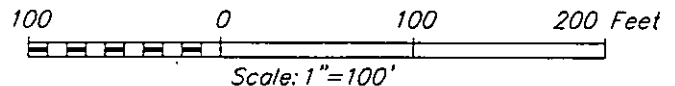
### DIRECTIONS TO MILLS NORTH SWD #1:

FROM THE INTERSECTION OF U.S. HIGHWAY 62-180 AND ST. HWY. 176 (APPROX. 37 MILES WEST OF HOBBS, N.M.), GO SOUTHEAST ON ST. HWY. 176 FOR APPROX. 6.4 MILES TO LEASE ROAD. TURN RIGHT AND GO SOUTH APPROX. 0.6 MILES TO "Y" INTERSECTION. STAY RIGHT AND GO SOUTHWEST AT "Y" APPROX. 1.6 MILES TO INTERSECTION. TURN LEFT AND GO SOUTHEAST ON MEANDERING ROAD APPROX. 0.8 MILES TO "Y" INTERSECTION. STAY LEFT AND GO SOUTHEAST, NORTHEAST AND SOUTH APPROX. 1.3 MILES TO "Y" INTERSECTION. TURN RIGHT AND GO SOUTH APPROX. 4.8 MILES. TURN RIGHT AND GO WEST APPROX. 0.8 MILES. TURN LEFT AND GO SOUTH APPROX. 0.3 MILES. TURN RIGHT AND GO WEST APPROX. 0.7 MILES. TURN RIGHT AND GO NORTHWEST AT ROAD TEE APPROX. 1.8 MILES TO PROPOSED ROAD SURVEY FLAG. FOLLOW STAKED ROAD NORTHEAST APPROX. 190 FEET. THEN EAST APPROX. 4870 FEET (0.9 MILES) TO NORTHWEST CORNER OF THIS LOCATION.

### ARCHEOLOGICAL SURVEY BOUNDARY

NOTE:

SEE "TOPOGRAPHICAL AND ACCESS ROAD MAP" FOR PROPOSED ROAD LOCATION.



## OILFIELD WATER LOGISTICS

MILLS NORTH SWD #1 WELL LOCATED 200 FEET FROM THE SOUTH LINE AND 237 FEET FROM THE EAST LINE OF SECTION 35, TOWNSHIP 21 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 6/10/15

CAD Date: 6/17/15

Drawn By: ACK

W.O. No.: 15110623

Rev: .

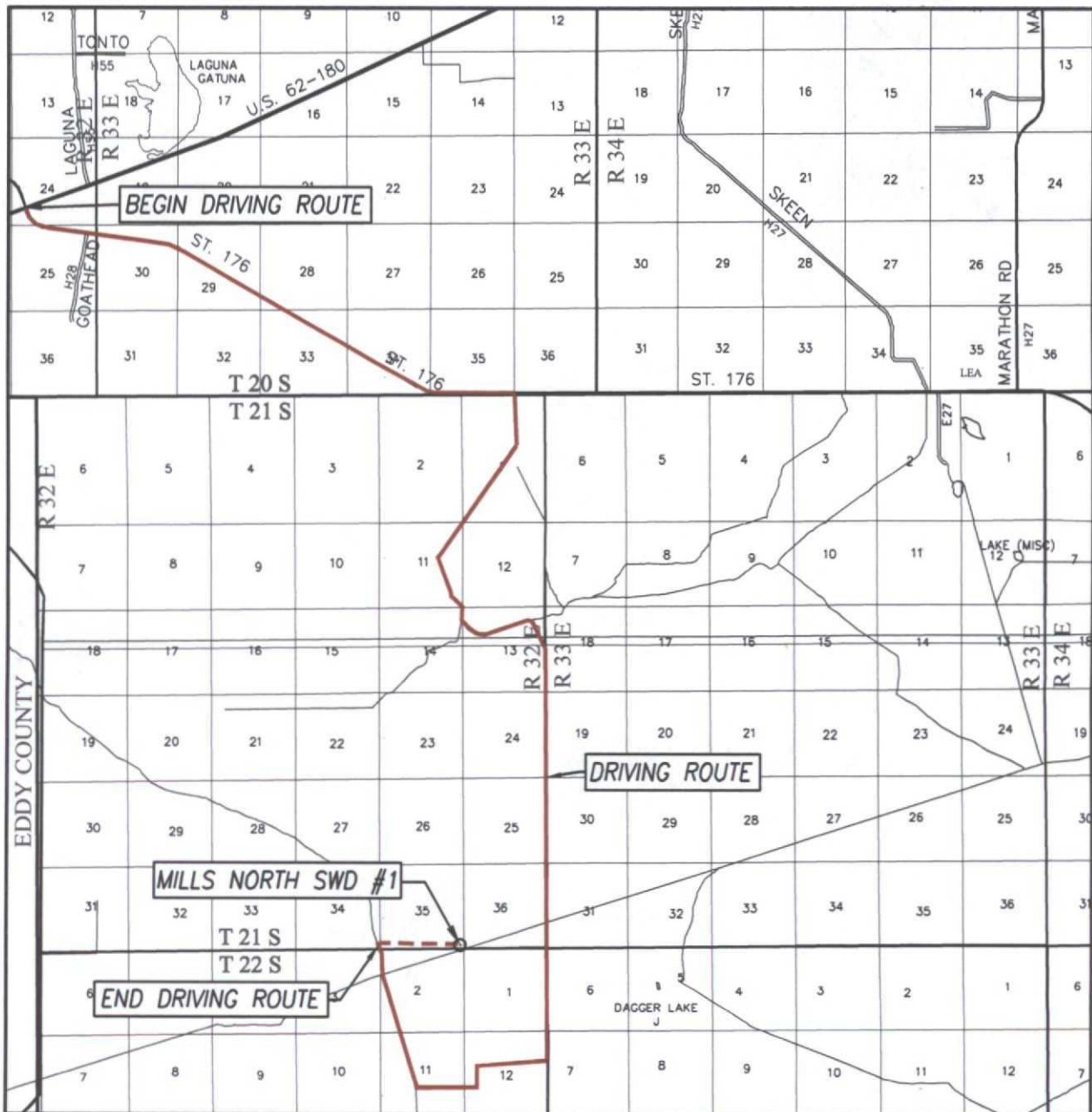
Rel. W.O.:

Sheet 1 of 1



PROVIDING SURVEYING SERVICES  
SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO HOBBS, N.M. 88240  
(575) 393-3117 www.jwsc.biz  
TBPLS# 10021000

# VICINITY MAP



SCALE: 1" = 2 MILES

DRIVING ROUTE: SEE TOPOGRAPHICAL AND ACCESS ROAD MAP

SEC. 35 TWP. 21-S RGE. 32-E

SURVEY N.M.P.M.


COUNTY LEA STATE NEW MEXICO

DESCRIPTION 200' FSL & 237' FEL

ELEVATION 3660'

OPERATOR OILFIELD WATER LOGISTICS

LEASE MILLS NORTH SWD

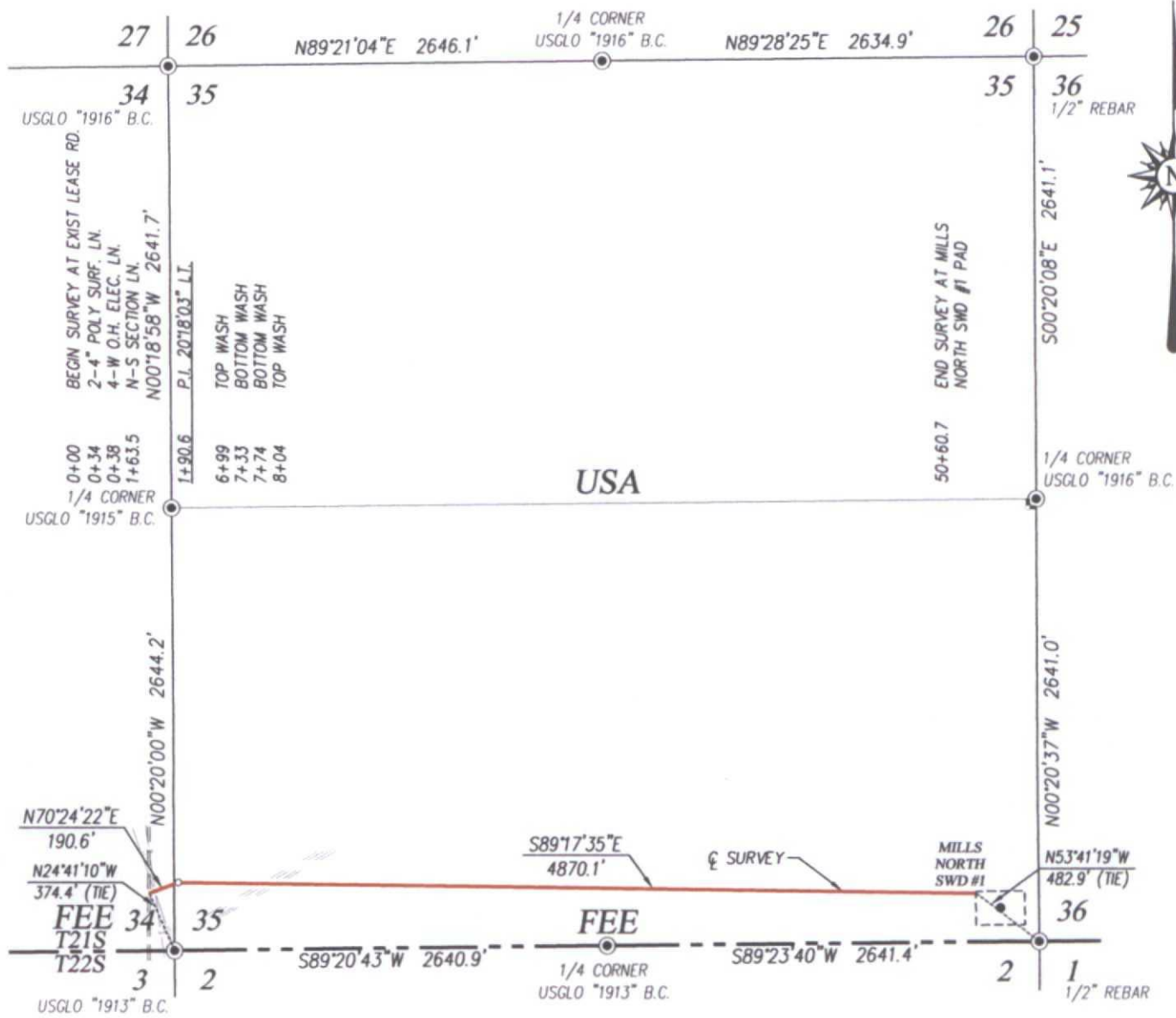


PROVIDING SURVEYING SERVICES  
SINCE 1946

**JOHN WEST SURVEYING COMPANY**

412 N. DAL PASO HOBBS, N.M. 88240  
(575) 393-3117 [www.jwsc.biz](http://www.jwsc.biz)  
TBPLS# 10021000





### DESCRIPTIONS

SURVEY FOR AN ACCESS ROAD CROSSING SECTIONS 34 & 35, TOWNSHIP 21 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE SOUTHEAST QUARTER OF SECTION 34, WHICH LIES N24°41'10"W 374.4 FEET FROM THE SOUTHEAST CORNER; THEN N70°24'22"E 190.6 FEET; THEN S89°17'35"E 4870.1 FEET TO A POINT IN THE SOUTHEAST QUARTER OF SAID SECTION 35, WHICH LIES N53°41'19"W 482.9 FEET FROM THE SOUTHEAST CORNER.

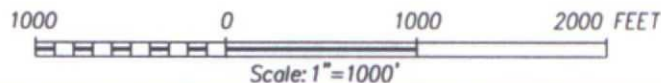
TOTAL LENGTH EQUALS 5060.7 FEET OR 306.71 RODS.

### NOTE

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

### LEGEND

● DENOTES FOUND CORNER AS NOTED



I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RONALD J. EIDSON

DATE: 06/18/2015

## OILFIELD WATER LOGISTICS

SURVEY FOR AN ACCESS ROAD  
CROSSING SECTIONS 34 & 35,  
TOWNSHIP 21 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, NEW MEXICO

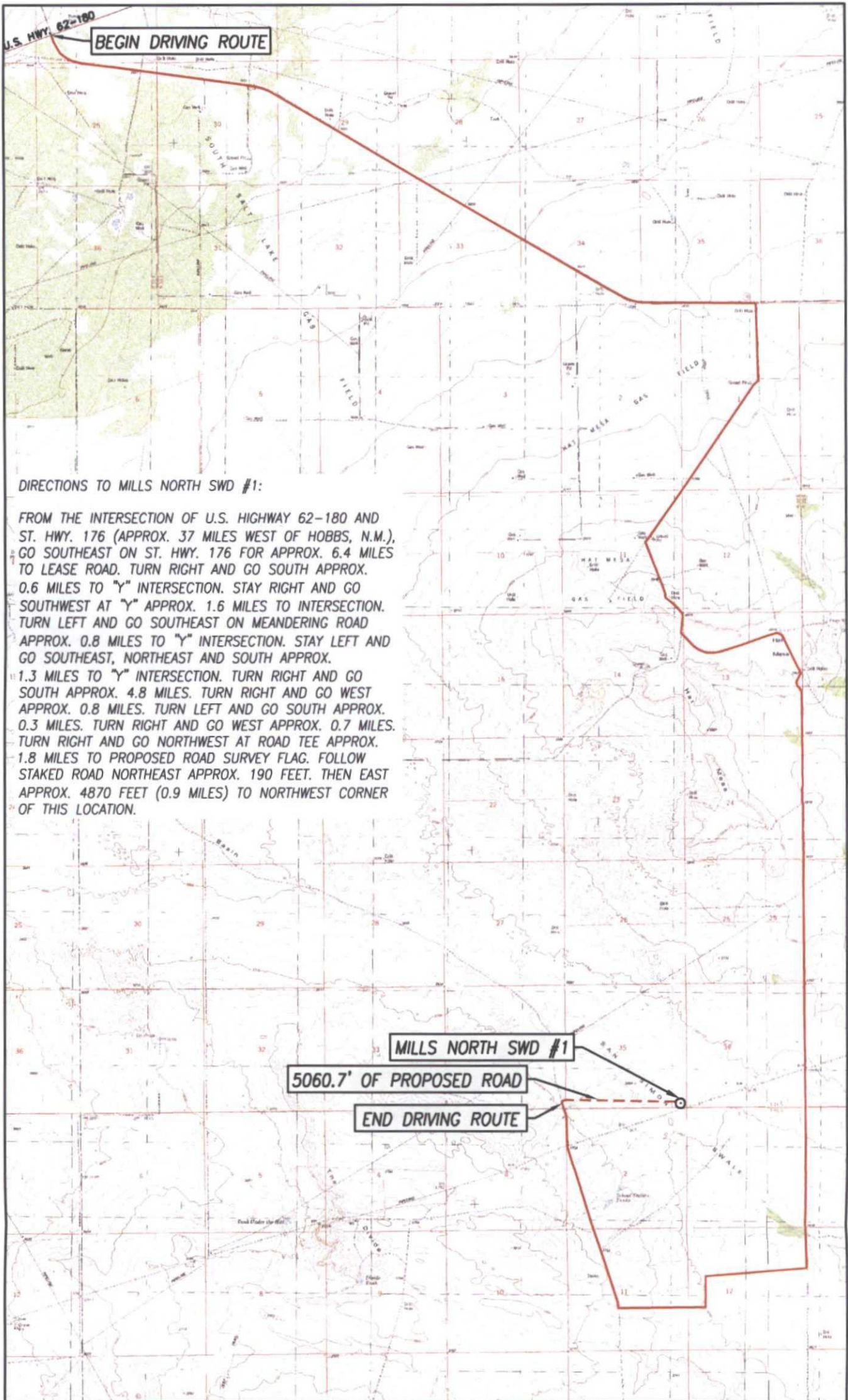
Survey Date: 6/10/15	CAD Date: 6/17/15	Drawn By: ACK
W.O. No.: 15110623	Rev. :	Rel. W.O.:
		Sheet 1 of 1



PROVIDING SURVEYING SERVICES  
SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO HOBBS, N.M. 88240  
(575) 393-3117 www.jwsc.biz  
TBPLS# 10021000



# TOPOGRAPHIC AND ACCESS ROAD MAP



SEC. 35 TWP. 21-S RGE. 32-E  
 COUNTY LEA STATE NEW MEXICO  
 DESCRIPTION 200' FSL & 237' FEL  
 ELEVATION 3660'  
 OPERATOR OILFIELD WATER LOGISTICS  
 LEASE MILLS NORTH SWD  
 U.S.G.S. TOPOGRAPHIC MAP  
 THE DIVIDE, N.M. SURVEY N.M.P.M.

SCALE: 1" = 1 MILE

CONTOUR INTERVAL:  
 GRAMMARIDGE, N.M. - 10', THE DIVIDE, N.M. - 10'  
 LAGUNA CATUNA, N.M. - 10', LEA, N.M. - 10'



PROVIDING SURVEYING SERVICES  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
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 (575) 393-3117 www.jwsc.biz  
 TBPLS# 10021000

# LONQUIST & CO. LLC

AUSTIN  
HOUSTON

PETROLEUM  
ENGINEERS

ENERGY  
ADVISORS

WICHITA  
CALGARY

RECEIVED OCD

July 23, 2015

www.lonquist.com

2015 JUL 27 P 3: 04

New Mexico Energy, Minerals, and Natural Resources Department

Oil Conservation Division

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

P-35-215-32E-EDDY

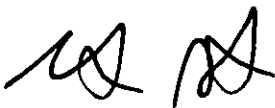
Attention: William V. Jones, P.E., District IV Supervisor

Mr. Jones:

This letter is in response to the permit application for OWL SWD Operating, LLC's Mills North SWD No. 1 which was mailed to you on June 25, 2015. In addition to what was previously sent, you requested we locate and notice any potash lease holders within ½ mile of the Mills North proposed location. Intrepid Potash was identified to hold a lease within ½ mile of the Mills North proposed location, and they have been furnished with a copy of Form C-108. In addition, an Administrative Application Checklist has been attached to this letter to go along with the Mills North SWD No. 1 permit application. Finally, OWL has filed two applications to temporarily abandon Ruby 30 State Com No. 1 and Collinsoscopy Federal No. 1 with the OCD District Office in Artesia, and, therefore, OWL should be back in compliance with Rule 19.15.5.9 NMAC.

A copy of your initial email correspondence concerning the above mentioned issues has also been attached to this letter.

Regards,



Stephen L. Pattee

Manager of Regulatory Affairs

512.600.1774

steve@lonquist.com

8/23/15;  
STILL Need:  
1 - Proof of Notice to Potash  
2 - Rule 5.9

Copy to  
8/23/15

## SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

## 1. Article Addressed to:

Katie Keller – Landman  
Intepriid Potach, Inc.  
707 17<sup>th</sup> Street, Suite 4200  
Denver, Colorado 80226

## 2. Article Number

(Transfer from service label)

7014 2870 0002 2448 0128

PS Form 3811, July 2013

Domestic Return Receipt

## COMPLETE THIS SECTION ON DELIVERY

## A. Signature

*Katie Keller*

☐ Agent☐ Addressee

## B. Received by (Printed Name)

*Katie Keller*

C. Date of Delivery

## D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No

## 3. Service Type

☐ Certified Mail®☐ Priority Mail Express™☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ Collect on Delivery

## 4. Restricted Delivery? (Extra Fee)

☐ Yes

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

\$

Mailed 7/23/15

Certified Fee

Return Receipt Fee  
(Endorsement Required)Restricted Delivery Fee  
(Endorsement Required)

Total

Katie Keller – Landman

Sent to

Intepriid Potach, Inc.

Street  
or PO707 17<sup>th</sup> Street, Suite 4200

City, St

Denver, Colorado 80226

PS Form 3800, July 2014 See Reverse for Instructions

## Matthew Cannon

---

**From:** Steve Pattee  
**Sent:** Friday, July 03, 2015 2:40 PM  
**To:** Matthew Cannon  
**Subject:** Fwd: Proposed new drill SWD well by OWL SWD Operating, LLC: Mills North SWD Well No. 1 200FSL/237FEL P-35-21S-32E-Eddy  
**Attachments:** image003.jpg

We are going to have to address this first-thing Monday AM

Sent from my iPhone

Begin forwarded message:

**From:** "Jones, William V, EMNRD" <WilliamV.Jones@state.nm.us>  
**Date:** July 3, 2015 at 1:40:53 PM CDT  
**To:** "steve@lonquist.com" <steve@lonquist.com>  
**Cc:** "Sanchez, Daniel J., EMNRD" <daniel.sanchez@state.nm.us>, "Goetze, Phillip, EMNRD" <Phillip.Goetze@state.nm.us>, "Dade, Randy, EMNRD" <Randy.Dade@state.nm.us>, "Sharp, Karen, EMNRD" <Karen.Sharp@state.nm.us>  
**Subject:** Proposed new drill SWD well by OWL SWD Operating, LLC: Mills North SWD Well No. 1 200FSL/237FEL P-35-21S-32E-Eddy

Hello Mr. Pattee,  
Thanks for the thorough application.

I have reviewed it and must let you know of the following:

- a. The R-111-P "Potash" area is within ½ mile of this well site. The Potash surrounding mineral ownership is all Federal and you have notified the BLM.  
Please also send notice to the nearest Potash Lessee if one exists within ½ mile of this well. If not, then let me know.
- b. Please send to me at the OCD, the OCD form: "Admin Order Checklist" – it is the first unnumbered form on the OCD web site.
- c. Also it appears that OWL SWD has too many inactive wells and also must post a single well bond.

<https://wwwapps.emnrd.state.nm.us/OCD/OCDPermitting/Reporting/Compliance/InactiveWellList.aspx?production=15&Operator=308339&ACO=Exclude&TA=Exclude>  
<https://wwwapps.emnrd.state.nm.us/OCD/OCDPermitting/Reporting/Compliance/InactiveWellFinancialAssuranceReport.aspx?Operator=308339>

As per Rule 19.15.5.9 NMAC, we are not allowed to process any SWD permit for this operator prior to the inactive well and bonding issues being addressed.

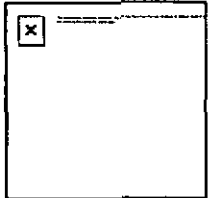
Please review the requirements of this rule and ask OWL SWD to post this single well bond and also return the required number of inactive wells to either active status, TA status, or P&A status.

As you can expect, I am on to other obligations and will not be again monitoring the Rule 5.9 status of OWL SWD,

so please keep tract and let me know here in the Engineering bureau only when OWL SWD is back into compliance.

We are instructed to no longer keep incomplete applications longer than 30 days from the date of receipt.

Many Regards,



**William V. Jones, P.E., District IV Supervisor**

Oil Conservation Division <http://www.emnrd.state.nm.us/ocd/>

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

P: 505.476.3477 C: 505.419.1995

# Affidavit of Publication

STATE OF NEW MEXICO  
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated  
June 30, 2015  
and ending with the issue dated  
June 30, 2015.



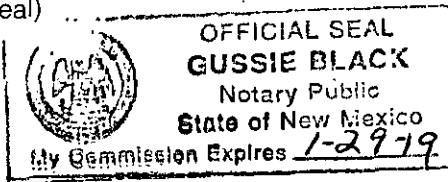
Publisher

Sworn and subscribed to before me this  
30th day of June 2015.



Business Manager

My commission expires  
January 29, 2019  
(Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGALS
<b>LEGAL NOTICE</b> June 30, 2015
OWL SWD Operating, LLC, 8214 Westchester Dr. Suite 850, Dallas, Texas 75255 is filling Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division for administrative approval for its salt water disposal well Mills North SWD No. 1. The proposed well will be located 200' FSL & 237' FEL in Section 35, Township 21S, Range 32E in Lea County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Devonian- Sitturian Formation (determined by offset log analysis) through an open hole completion between a maximum applied for top of 15,800 feet to maximum depth of 16,800 feet. The maximum surface injection pressure will be 3,022 psi with a maximum rate of 30,000 BWPD. Interested parties opposing the action must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days. Additional information can be obtained from the applicant's agent, Lonquist & Co., LLC, at (512) 600-1774. #30154

67112661

00158734

MATTHEW CANNON  
LONQUIST & CO., LLC  
3345 BEE CAVE ROAD, STE 201  
AUSTIN, TX 78746

## Jones, William V, EMNRD

---

**From:** Matthew Cannon <matthew@lonquist.com>  
**Sent:** Thursday, July 23, 2015 3:12 PM  
**To:** Jones, William V, EMNRD  
**Cc:** Steve Pattee  
**Subject:** FW: Proposed new drill SWD well by OWL SWD Operating, LLC: Mills North SWD Well No. 1 200FSL/237FEL P-35-21S-32E-Eddy  
**Attachments:** image003.jpg

Mr. Jones,

Below is an initial response to a permit application for OWL SWD Operating, LLC's Mills North SWD No. 1 from you. We have addressed the listed issues, and have mailed a letter to you that includes an Administrative Application Checklist and a copy of the affidavit of publication in the Hobbs News-Sun. Furthermore, it was determined that Intrepid Potash has a lease within ½ mile of the well location and they have also been noticed. I will email a copy of the delivery receipt to you when we receive it.

Regards,

**Matthew Cannon**  
Petroleum Engineer  
Lonquist & Co., LLC  
3345 Bee Cave Rd., Suite 201  
Austin, TX 78746  
(512) 732-9812 Main  
(512) 600-0716 Direct  
(815) 302-8447 Mobile  
(512) 732-9816 Fax  
matthew@lonquist.com  
www.lonquist.com

## LONQUIST & CO. LLC

PETROLEUM  
ENGINEERS

ENERGY  
ADVISORS

- McGary  
- Mills Ranch - North To WLP  
- Mills North  
- Brimstone F20SWD #3  
- Woolworth

---

**From:** Steve Pattee  
**Sent:** Friday, July 03, 2015 2:40 PM  
**To:** Matthew Cannon  
**Subject:** Fwd: Proposed new drill SWD well by OWL SWD Operating, LLC: Mills North SWD Well No. 1 200FSL/237FEL P-35-21S-32E-Eddy

We are going to have to address this first-thing Monday AM

Sent from my iPhone

Begin forwarded message:



**From:** "Jones, William V, EMNRD" <[WilliamV.Jones@state.nm.us](mailto:WilliamV.Jones@state.nm.us)>  
**Date:** July 3, 2015 at 1:40:53 PM CDT  
**To:** "steve@longquist.com" <[steve@longquist.com](mailto:steve@longquist.com)>  
**Cc:** "Sanchez, Daniel J., EMNRD" <[daniel.sanchez@state.nm.us](mailto:daniel.sanchez@state.nm.us)>, "Goetze, Phillip, EMNRD" <[Phillip.Goetze@state.nm.us](mailto:Phillip.Goetze@state.nm.us)>, "Dade, Randy, EMNRD" <[Randy.Dade@state.nm.us](mailto:Randy.Dade@state.nm.us)>, "Sharp, Karen, EMNRD" <[Karen.Sharp@state.nm.us](mailto:Karen.Sharp@state.nm.us)>  
**Subject:** Proposed new drill SWD well by OWL SWD Operating, LLC: Mills North SWD Well No. 1 200FSL/237FEL P-35-21S-32E-Eddy

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As per Rule 19.15.5.9 NMAC, we are not allowed to process any SWD permit for this operator prior to the inactive well and bonding issues being addressed.

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Oil Conservation Division <http://www.emnrd.state.nm.us/ocd/>  
1220 South St. Francis Drive, Santa Fe, NM 87505  
P: 505.476.3477 C: 505.419.1995

## Jones, William V, EMNRD

---

**From:** Jones, William V, EMNRD  
**Sent:** Friday, July 03, 2015 12:41 PM  
**To:** 'steve@lonquist.com'  
**Cc:** Sanchez, Daniel J., EMNRD; Goetze, Phillip, EMNRD; Dade, Randy, EMNRD; Sharp, Karen, EMNRD  
**Subject:** Proposed new drill SWD well by OWL SWD Operating, LLC: Mills North SWD Well No. 1 200FSL/237FEL P-35-21S-32E-Eddy

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Oil Conservation Division <http://www.emnrd.state.nm.us/oed/>  
1220 South St. Francis Drive, Santa Fe, NM 87505  
P: 505.476.3477 C: 505.419.1995



C-108 Review Checklist: Received 7/2/15 Add. Request 7/3/15 Reply Date: 8/31/15 Suspended: \_\_\_\_\_ [Ver 14]

PERMIT TYPE: WFX / PMX / SWD Number: 1562 Permit Date: \_\_\_\_\_ Legacy Permits/Orders: \_\_\_\_\_

Well No. \_\_\_\_\_ Well Name(s): MILLS North SWD #1 (Ferland)

API: 30-025-Pandy Spud Date: \_\_\_\_\_ New or Old: \_\_\_\_\_ (UIC Class II Primacy 03/07/1982)

Footages 200 FSL / 237 FEL Tot \_\_\_\_\_ or Unit P Sec 36 Tsp 21S Rge 32E County Lea

General Location: \_\_\_\_\_ Pool: \_\_\_\_\_ Pool No.: \_\_\_\_\_

BLM 100K Map: \_\_\_\_\_ Operator: OWL SWD Operating LLC OGP: 308339 Contact: Stephen L. Patten

COMPLIANCE RULE 5.9: Total Wells: 13 Inactive: 3 Fincl Assur: \_\_\_\_\_ Compl. Order? \_\_\_\_\_ IS 5.9 OK? NA Date: 7/3/15

WELL FILE REVIEWED Permit yet Current Status: NA Bond on 015-35558

WELL DIAGRAMS: NEW: Proposed ☐ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: \_\_\_\_\_

Planned Rehab Work to Well: \_\_\_\_\_

Well Construction Details		Sizes (in)	Setting	Cement	Cement Top and
		Borehole / Pipe	Depths (ft)	Sx or Cl	Determination Method
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Surface	<u>24-20"</u>	<u>950'</u>	Stage Tool	<u>1146 SX</u>	<u>CIRC</u>
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Interm/Prod	<u>17 1/2-15 3/8</u>	<u>6000'</u>		<u>4586 SX</u>	<u>CIRC</u>
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Interm/Prod	<u>12 1/4-10 3/4</u>	<u>12000'</u>		<u>2713 SX</u>	<u>CIRC</u>
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Prod/Liner	<u>8 3/4-7"</u>	<u>11800-15800'</u>		<u>728 SX</u>	<u>11,800 Liner</u>
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Liner					
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> OH/PERF		<u>15800-16800'</u>	Inj Length <u>1000</u>	Completion/Operation Details:	
Injection Lithostratigraphic Units:		Depths (ft)	Injection or Confining Units	Tops	
Adjacent Unit: Litho. Struc. Por.		<u>14985'</u>	<u>Barnett</u>	<input checked="" type="checkbox"/>	Drilled TD <u>16800'</u> PBTD <u>NEW PBTD</u>
Confining Unit: Litho. Struc. Por.					NEW Open Hole <input type="checkbox"/> or NEW Perfs <input type="checkbox"/>
Proposed Inj Interval TOP:		<u>15800'</u>	<u>D. av.</u>		Tubing Size <u>5 1/2</u> in. Inter Coated? <input checked="" type="checkbox"/>
Proposed Inj Interval BOTTOM:		<u>16800'</u>	<u>Set VIBRO ROD</u>		Proposed Packer Depth <u>15700'</u> ft
Confining Unit: Litho. Struc. Por.					Min. Packer Depth _____ (100-ft limit)
Adjacent Unit: Litho. Struc. Por.					Proposed Max. Surface Press. _____ psi
					Admin. Inj. Press. <u>3160</u> (0.2 psi per ft)
AOR: Hydrologic and Geologic Information					
POTASH: <u>11-P</u> Noticed? <input type="checkbox"/> BLM Sec Ord <input type="checkbox"/> WIPD <input type="checkbox"/> Noticed? <input type="checkbox"/> SALT/SALADO <u>1263</u> B: <u>344</u> CLINT HOUSE					
FRESH WATER: Aquifer _____ Max Depth <u>320'</u> HYDRO AFFILIATION STATEMENT By Qualified Person <input checked="" type="checkbox"/>					
NMOSE Basin: <u>Near SOUTH EDGE</u> CAPTAN REEF <input type="checkbox"/> <u>NA</u> No. Wells within 1-Mile Radius? <input type="checkbox"/> FW Analysis <input type="checkbox"/>					
Disposal Fluid: Formation Source(s) _____ Analysis? _____ On Lease <input type="checkbox"/> Operator Only <input type="checkbox"/> or Commercial <input type="checkbox"/>					
Disposal Int: Inject Rate (Avg/Max BWPD): _____ Protectable Waters? _____ Source: _____ System: Closed <input type="checkbox"/> or Open <input type="checkbox"/>					
HC Potential: Producing Interval? _____ Formerly Producing? _____ Method: Logs/DST/P&A/Other _____ 2-Mile Radius Pool Map <input checked="" type="checkbox"/>					
AOR Wells: 1/2-M Radius Map? <input checked="" type="checkbox"/> Well List? <input checked="" type="checkbox"/> Total No. Wells Penetrating Interval: <u>0</u> Horizontals? <input type="checkbox"/>					
Penetrating Wells: No. Active Wells <u>0</u> Num Repairs? <u>0</u> on which well(s)? _____ Diagrams? _____					
Penetrating Wells: No. P&A Wells <u>0</u> Num Repairs? <u>0</u> on which well(s)? _____ Diagrams? _____					
NOTICE: Newspaper Date <u>6/30/15</u> Mineral Owner <u>Fae</u> Surface Owner <u>Fae</u> N. Date <u>6/26</u>					
RULE 26.7(A): Identified Tracts? <input checked="" type="checkbox"/> Affected Persons: <u>BLM / OXY / POGO / POTASH</u> N. Date <u>6/26</u>					

Permit Conditions: Issues: \_\_\_\_\_

Add Permit Cond: \_\_\_\_\_