

10/12/15 - Notice Rec'd

DATE IN 10/23/2015	SUSPENSE	ENGINEER DRG	LOGGED IN 10/23/2015	TYPE SWD	APP NO. PMAM1529638790
-----------------------	----------	-----------------	-------------------------	-------------	---------------------------

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.

Stephen L. Pattee
 Print or Type Name

Signature

Consulting Engineer - Agent for (OW)
 Title

10-14-15
 Date

steve@longquist.com
 e-mail Address

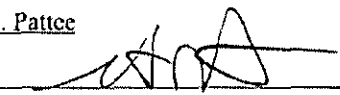
2015 OCT 23 11:00
 RECEIVED OCT

- SWD 4611
 - Owl SWD operating LLC
 308339

- well
 - I'm your Hackberry
 SWD #1

30-015 - Pending
 Pool
 - SWD, Devon, An -
 S. Luni An
 9610197689

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 Drive, Suite 850, Dallas, Texas 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. Pattce TITLE: Consulting Engineer – Agent for OWL
SIGNATURE:  DATE: 1-15-2016
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: _____

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

LONQUIST & CO. LLC

AUSTIN
HOUSTON

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

WICHITA
CALGARY

www.lonquist.com

January 14, 2016

Michael A. McMillan
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division District IV
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
(505) 476-3440

Subject: I'm Your Hackberry SWD No. 1 4-1/2" Injection Tubing

Mr. McMillan:

As requested, Lonquist has changed the injection tubing size from 5-1/2" to 4-1/2" for the I'm Your Hackberry SWD No. 1 well. Injection volumes and injection pressures have been recalculated to account for this tubing change. Furthermore, we have also addressed your concerns regarding the protection of the Capitan Reef Complex. A detailed discussion is included inside the C-108 Support document (attached) under Geologic Data. Finally, we have signed the affirmation statement regarding open faults or possible hydrologic connection between the disposal zone and underground sources of drinking water.

Regards,



Stephen L. Pattee
Manager of Regulatory Affairs
(512) 600-1774
steve@lonquist.com

Attached: Copy of OCD request, Form C-101, Form C-108 with wellbore schematic, C-108 Support with Capitan Reef reference materials.

5. There is no Devonian production within one mile of the proposed well. As mentioned above, a Devonian produced water sample analysis is attached.

VIII. Geological Data

The Devonian consists of 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 base of Devonian and top of Silurian rocks come in as expected the well will only be drilled deep enough for adequate logging rathole.

At a proposed depth of 14,300' BGL (Below Ground Level) the well will TD approximately 1,000' 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 13,250' and 13,350' BGL. TD will occur approximately at 14,300' which is the maximum applied for depth. Injection will occur through the resulting open hole interval.

The Capitan Reef Complex has been estimated to be present at a depth of 2,615' BGL and continue to approximately 4,350' BGL. In order to protect this formation the well design includes two intermediate casing strings that separate the Capitan Reef Complex from the wellbore. Both strings will be cemented back to surface with 100 percent and 50 percent excess included in the calculations for the Intermediate I and Intermediate II casing string, respectfully. The setting depth of the Intermediate I casing string is at 5,100' BGL which is into the Delaware formation and below the base of the Capitan Reef Complex. The setting depth of the Intermediate II casing string is at 9,500'. Furthermore, a water based mud is planned to be used during the drilling of this formation interval. In our opinion, the Capitan Reef Complex has been sufficiently protected against the risk of contamination from injected fluid. For reference, a cross section and two structure maps are attached depicting the expected depths of the Capitan Reef Complex.

A. Injection Zone: Devonian – Silurian Formation

Formation	Depth
Rustler	560'
Salado	859'
Capitan Reef	2,615'
Delaware	5,080'
Bone Spring	6,761'
Wolfcamp	10,055'
Strawn	11,012'
Atoka	11,377'
Morrow	12,023'
Mississippian	12,503'
Woodford	13,144'
Devonian	13,287'

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 560'; therefore, the surface casing will be set at 650'. 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

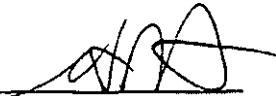
There are no logs or test data on the well. During the process of drilling and completion resistivity, gamma ray, and density logs will be run.

XI. Chemical Analysis of Fresh Water Wells

The closest fresh water well (CP 00829) is located 3,019' south from the proposed well location. The most recent records on the well indicate that the well is owned by Snyder Ranches, Inc. According to the well's Transaction Summary from the New Mexico Office of the State Engineer the well has not been active since 1965. Attached is a map featuring the water well, the Water Right Summary from the New Mexico Office of State Engineer, and the Transaction Summary from the New Mexico Office of the State Engineer.

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.

Signature: 

Name: Stephen L. Pattee

Date: 1-15-2015

Title: Consulting Engineer – Agent for OWL

INJECTION WELL DATA SHEET

OPERATOR: OWL SWD Operating, LLCWELL NAME & NUMBER: I'm Your Hackberry SWD No. 1WELL LOCATION: 320' FNL & 210' FEL
FOOTAGE LOCATIONA
UNIT LETTER16
SECTION19S
TOWNSHIP31E
RANGEWELLBORE SCHEMATIC

See attached.

WELL CONSTRUCTION DATASurface CasingHole Size: 24"Casing Size: 20"Cemented with: 912 sx. (100% Excess)or 624 ft³Top of Cement: SurfaceMethod Determined: CirculationIntermediate I CasingHole Size: 17.500"Casing Size: 13.625"Cemented with: 3,867 sx. (100% Excess)or 3,549 ft³Top of Cement: SurfaceMethod Determined: CirculationIntermediate II CasingHole Size: 12.250"Casing Size: 9.625"Cemented with: 2,729 sx. (50% Excess)or 3,061 ft³Top of Cement: SurfaceMethod Determined: Circulation

Production Liner

Hole Size: 8.500"

Casing Size: 7"

Cemented with: 613 sx. (50% Excess)

or 511 ft³

Top of Cement: 9,300'

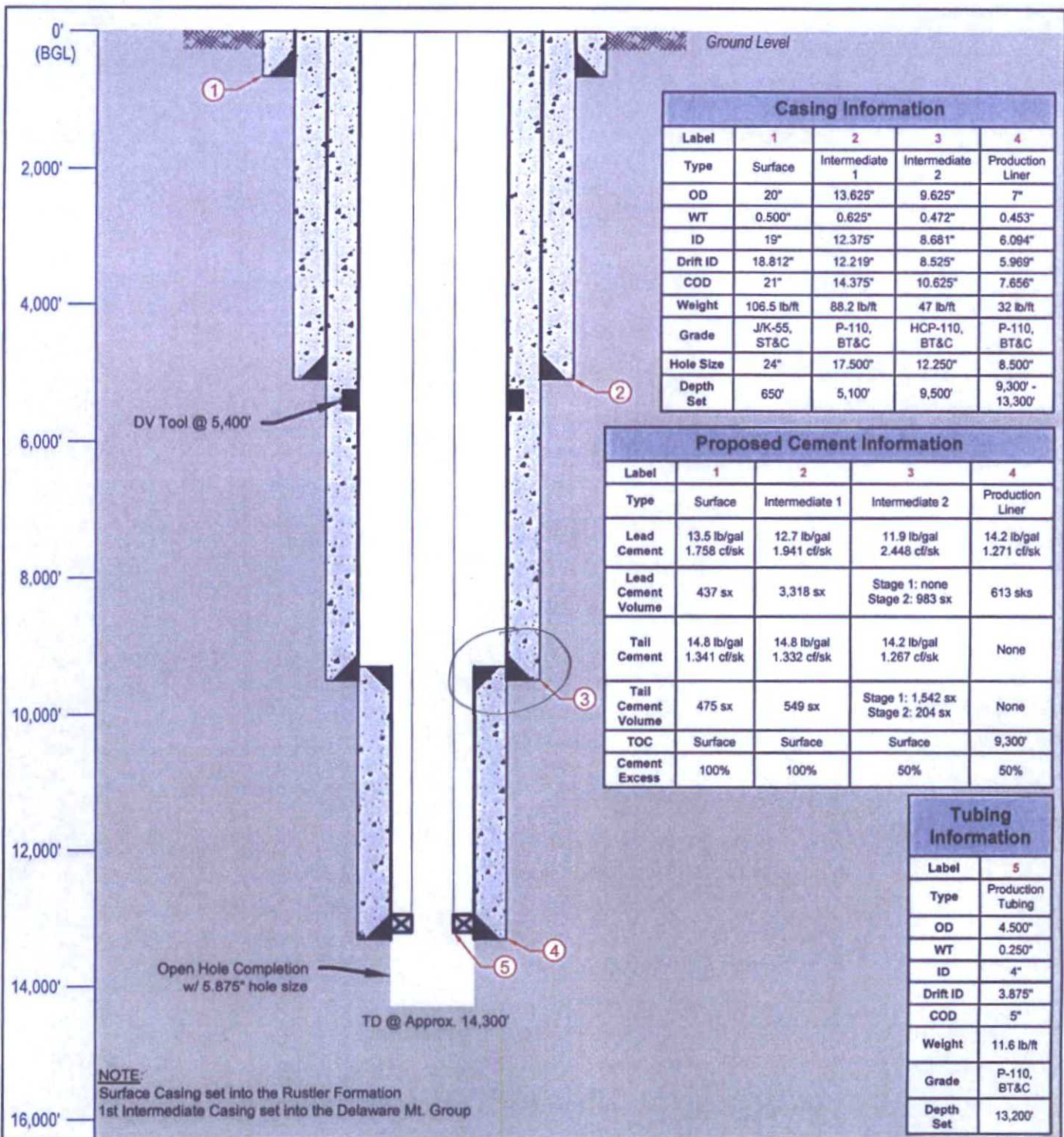
Method Determined: Logging

Total Depth: 14,300'

Injection Interval

13,300 feet to 14,300 feet

(Perforated or Open Hole; indicate which)



LONQUIST & CO. LLC

PETROLEUM ENGINEERS ENERGY ADVISORS

AUSTIN HOUSTON WICHITA 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: J-16-19S-31E

API No.: 30-015-TBD

State ID No.:

Drawn: MMC

Rev No: 1

I'm Your Hackberry SWD No. 1

State/Province: New Mexico

Site:

Field:

Project No:

Reviewed: SLP

Notes: Devonian completion with 4-1/2" Injection Tubing.

County/Parish: Eddy

Status: To Be Drilled

Ground Elevation:

Date: 1/14/2016

Approved: SLP

INJECTION WELL DATA SHEET

Tubing Size: 4.500" 11.6 lb/ft P-110 BT&C Lining Material: Duoline

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

Packer Setting Depth: 13,200'

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

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

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: Delaware @ 5,080'

Bone Spring @ 6,761'

Wolfcamp @ 10,055'

Strawn @ 11,012'

Morrow @ 12,023'

OWL SWD Operating, LLC.

I'm Your Hackberry SWD No. 1

FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1.

Well information	
Lease Name	I'm Your Hackberry SWD
Well No.	1
Location	S-16 T-19S R-31E
Footage Location	320' FNL & 210' FEL

2.

a. Wellbore Description

Casing Information				
Type	Surface	Intermediate 1	Intermediate 2	Production Liner
OD	20"	13.625"	9.625"	7"
WT	0.500"	0.625"	0.472"	0.453"
ID	19"	12.375"	8.681"	6.094"
Drift ID	18.812"	12.219"	8.525"	5.969"
COD	21"	14.375"	10.625"	7.656"
Weight	106.5 #/ft	88.2 #/ft	47 #/ft	32 #/ft
Grade	J/K-55, ST&C	P-110, BT&C	HCP-110, BT&C	P-110, BT&C
Hole Size	24"	17.500"	12.250"	8.500"
Depth Set	650'	5,100'	9,500'	9,300' – 13,300'

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	437 sx	3,318 sx	Stage 1: none Stage 2: 983 sx	613 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	475 sx	549 sx	Stage 1: 1,542 sx Stage 2: 204 sx	None
Cement Excess	100%	100%	50%	50%
TOC	Surface	Surface	Surface	9,300'
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Logging

3. Tubing Description

Tubing Information	
OD	4.500"
WT	0.250"
ID	4.000"
Drift ID	3.875"
COD	5"
Weight	11.6 #/ft
Grade	P-110, BT&C
Depth Set	13,200'

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: 13,300' – 14,300'

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
Delaware	5,080'
Bone Spring	6,761'
Wolfcamp	10,055'
Strawn	11,012'
Morrow	12,023'

VI. Area of Review

A table has been attached containing information on wells that are present within the AOR. A completion report or new drill permit application for each well within the AOR has also been attached (if records are available through the OCD online database) for construction information and to serve as a record of completion. In addition, plugging reports have been attached for wells that have been P&A'd, and cancellation notices have been attached for cancelled drilling permits.

VII. Proposed Operation Data

1. Proposed Daily Rate of Fluids to be Injection:

Average Volume: 14,056 BPD
Maximum Volume: 15,004 BPD

2. Closed System
3. Anticipated Injection Pressure:

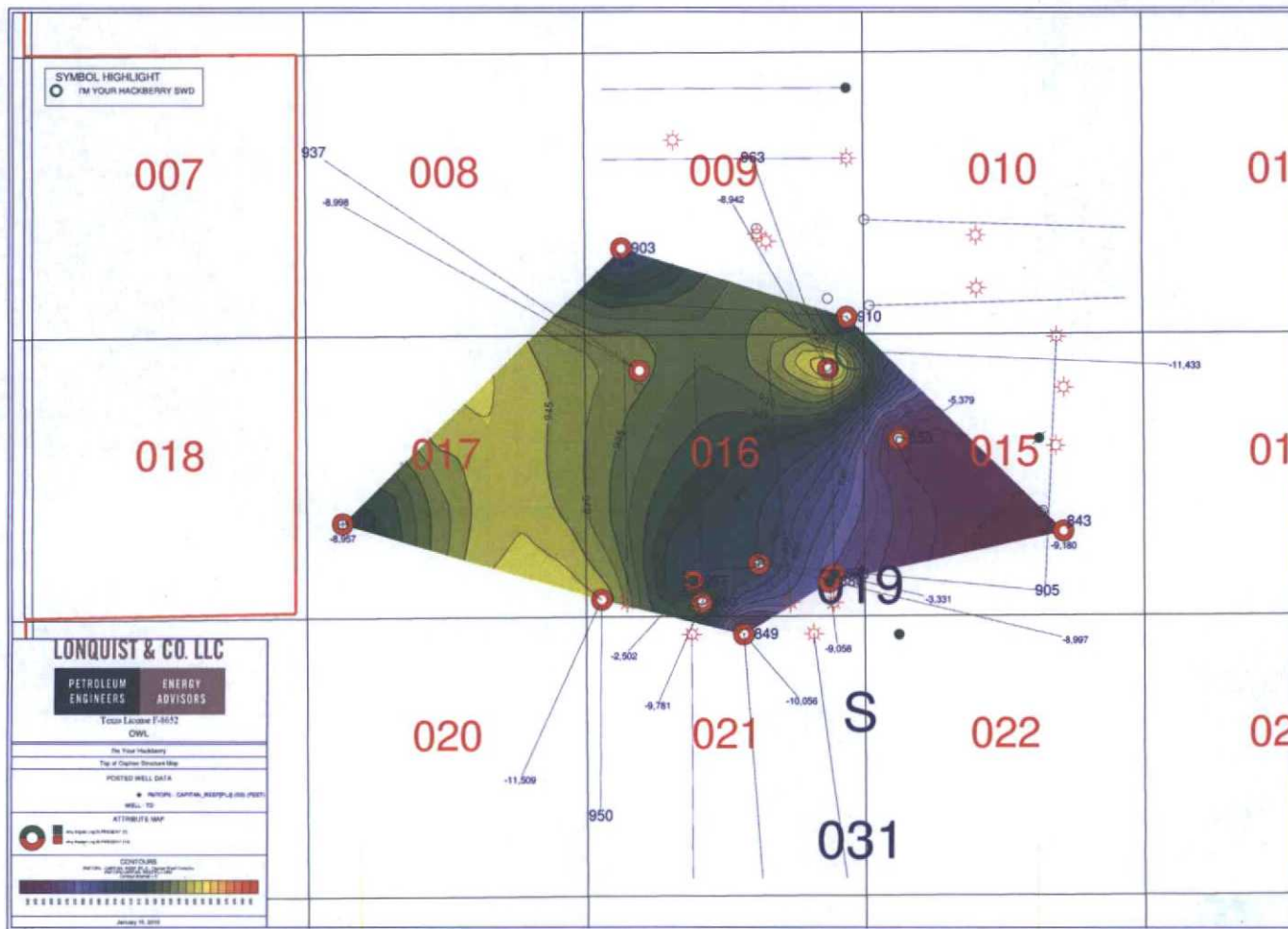
Average Injection Pressure: 2,600 PSI (surface pressure)
Maximum Injection Pressure: 2,660 PSI (surface pressure)

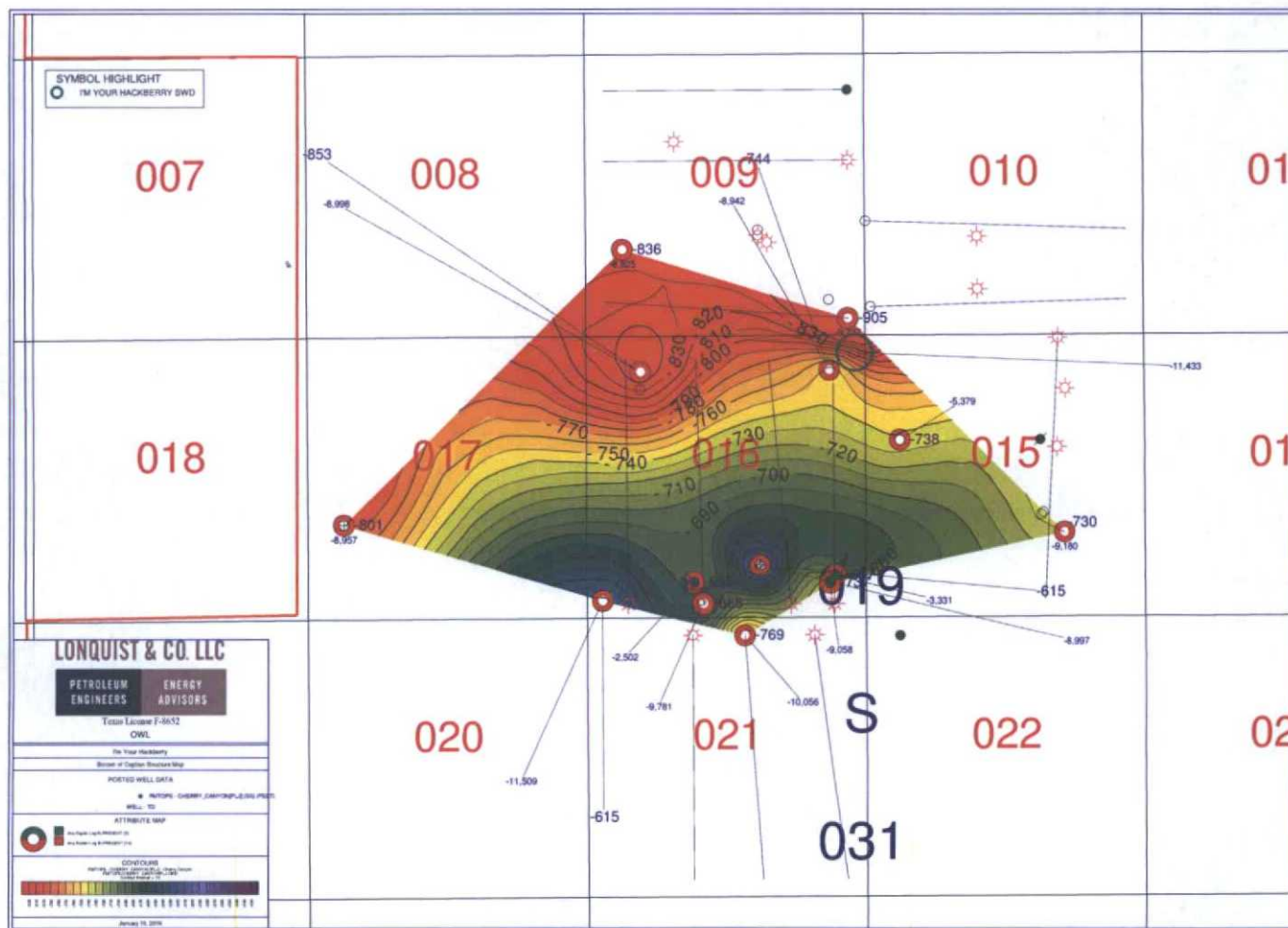
4. The injection fluid is to be locally produced water. Attached are produced water sample analyses taken from the closest wells that feature samples from the Delaware, Bone Spring, Morrow, Strawn, Artesia, and Devonian formations.

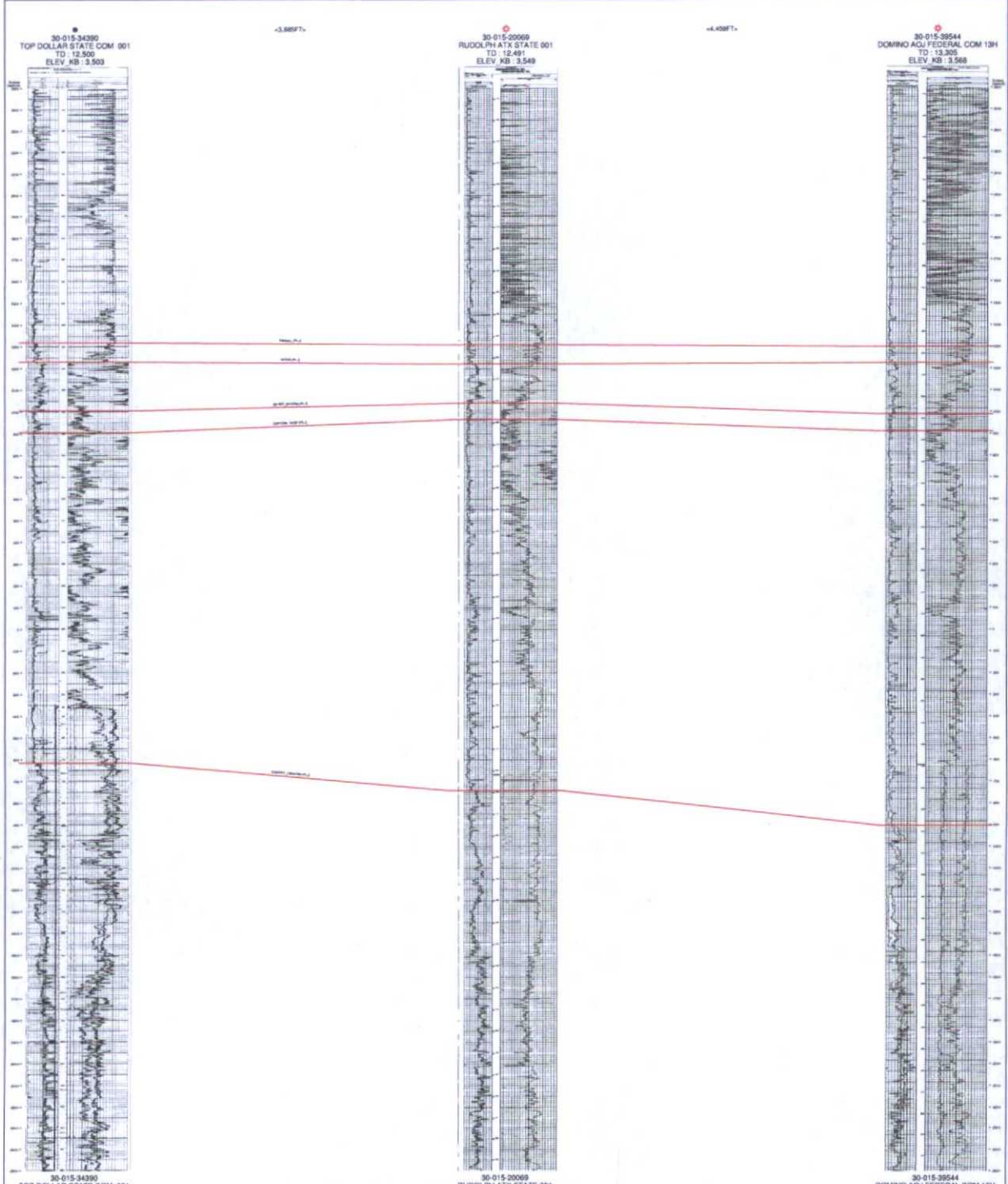
This legal notice will appear in the Artesia Daily Press on Friday, October 16, 2015, and run in the paper for one day. The affidavit of publication will be forwarded to the New Mexico Oil Conservation Division upon receipt.

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 I'm Your Hackberry SWD No. 1. The proposed well will be located 320' FNL & 210' FEL in Section 16, Township 19S, Range 31E in Eddy County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Devonian Formation (determined by offset log analysis) through an open hole completion between a maximum applied for top of 13,300 feet to a maximum depth of 14,300 feet. The maximum surface injection pressure will not exceed 2,660 psi with a maximum rate of 27,500 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.



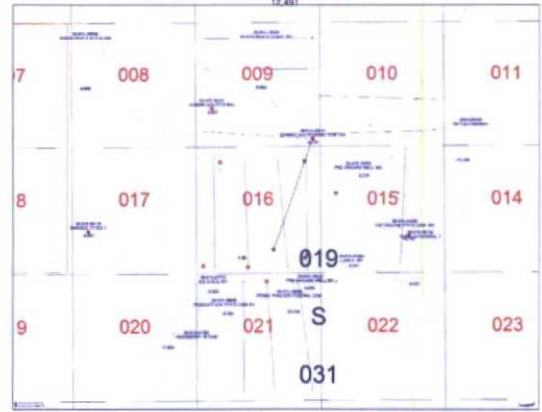




30-015-34390
TOP DOLLAR STATE COM 001
12.500

30-015-20069
RUDDOLPH ATX STATE 001
12.481

30-015-39544
DOMINO AQU FEDERAL COM 13H
13.305



Steve Pattee

From: McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>
Sent: Monday, December 28, 2015 2:13 PM
To: Steve Pattee
Subject: I'm Your Hackberry SWD Well No. 1

Stephen:

I need the following information

- I need the affirmation statement signed that there is no evidence of open faults or hydrologic connection between the disposal zone and any underground sources of drinking water.
- Also, the production tubing shall be 4 ½ OD, inside a 7" liner.
- Next, the Capitan Reef shall be protected. You will need to revise your Injection Well data sheet and corresponding well diagram.

Thank you

Michael A. McMillan

Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Dr., Santa Fe NM 87505
O: 505.476.3448 F. 505.476.3462
Michael.mcmillan@state.nm.us

General Information About: Sample 5309			
TENNESSEE FEDERAL			
API	0001505774	Sample Number	
Unit/Section/ Township/Range	1/21/19S/31E	Field	
County	Eddy	Formation	ARTESIA
State	NM	Depth	1
Lat/Long	32.84359, -103.65684	Sample Source	UNKNOWN
TDS (mg/L)	18118	Water Type	
Sample Date(MM/DD/YYYY)	1/8/1951 12:00:00 AM	Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	925
Sodium (Na)		Chloride (Cl)	10450
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	1658
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	

General Information About: Sample 5489			
JONES FEDERAL			
API	9001510045	Sample Number	
Unit/Section/Township/Range	K723/19S/31E	Field	LUSK
County	Eddy	Formation	STRAWN
State	NM	Depth	
Lat/Long	32 84279, -103 84223	Sample Source	SEPARATOR
TDS (mg/L)	214600	Water Type	
Sample Date(MM/DD/YYYY)		Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	3854
Sodium (Na)		Chloride (Cl)	126700
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	567
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	

General Information About: Sample 6494			
RUDOLPH ATX STATE			
API	0201520060	Sample Number	
Unit/Section/ Township/Range	N 71 S 71 E S 31 E	Field	LUSK WEST
County	Eddy	Formation	MCR
State	NM	Depth	
Lat/Long	32.65544 -103.86692	Sample Source	
TDS (mg/L)		Water Type	
Sample Date(MM/DD/YYYY)	8/10/2003 12:00:00 AM	Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO ₄)	125
Sodium (Na)		Chloride (Cl)	32802
Calcium (Ca)	1360	Carbonate (CO ₃)	
Magnesium (Mg)	356.7	Bicarbonate (HCO ₃)	933
Barium (Ba)	0	Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	0
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)	90	Oxygen (O)	

General Information About: Sample 2264			
LUSK WEST DELAWARE UNIT			
API	3002500025	Sample Number	
Unit/Section/ Township/Range	N 129119S / 32E	Field	LUSK WEST
County	Lea	Formation	DEL
State	NM	Depth	
Lat/Long	32.63297, -103.75142	Sample Source	OS1
TDS (mg/L)	2304	Water Type	
Sample Date(MM/DD/YYYY)		Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	595
Sodium (Na)		Chloride (Cl)	1600
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	647
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	

General Information About: Sample 5533			
HACKBERRY DP UT			
API	3001510385	Sample Number	
Unit/Section/ Township/Range	E 731 / 16S / 31E	Field	
County	Eddy	Formation	G SPG
State	NM	Depth	
Lat/Long	32° 51' 00" - 103° 01' 31"	Sample Source	BAILER
TDS (mg/L)	184900	Water Type	
Sample Date(MM/DD/YYYY)	11/12/1971 12:00:00 AM	Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	1673
Sodium (Na)		Chloride (Cl)	107900
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	649
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	

I'm Your Hackberry SWD No. 1		
Notice	Address	Phone Number
New Mexico State Land Office	310 Old Santa Fe Trail, Santa Fe, New Mexico 87501	505-827-5760
New Mexico OCD District IV	1220 South St. Francis Drive, Santa Fe, New Mexico 87505	505-476-3440
New Mexico OCD District II	811 South 1st Street, Artesia, New Mexico 88210	575-748-1283
Devon Energy Production Co., LP	333 West Sheridan Avenue, Oklahoma City, Oklahoma 73102	405-552-4633
Occidental Permian LP	5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521	713-215-7000
Yates Petroleum Corporation	105 South 4th Street, Artesia, New Mexico 88210	505-748-1471
ABO Petroleum Corporation	105 South 4th Street, Artesia, New Mexico 88210	505-748-1472
MYCO Industries, Inc.	105 South 4th Street, Artesia, New Mexico 88210	505-748-1473
OXY Y-1 Company	P.O. Box 27570, Houston, Texas 77227-7570	713-215-7000
COG Operating LLC	600 West Illinois Avenue, Midland, Texas 79701	432-683-7443
McCombs Energy LTD	5599 San Felipe Street, Suite 1220, Houston, Texas 77056	713-621-0033
G&L Cattle, LLC	23104 CR 19, Springfield, Colorado 81073-9301	719-353-1947
Central Valley Electric Cooperative	P.O. Box 230, 1505 North Thirteenth Street, Artesia, New Mexico 88211	575-746-3571
Agave Energy Company	P.O. Box 158, Artesia, New Mexico 88211-0158	575-748-4555



New Mexico Office of the State Engineer Transaction Summary

DCL Declaration of a Water Right

Transaction Number: 548109

Transaction Desc: CP 00829

File Date: 11/12/1993

Primary Status: DCL Declared

Secondary PRC Processed

Status:

Person Assigned: *****

Applicant: SNYDER RANCHES

Contact: LARRY C SQUIRES

Events

Date	Type	Description	Comment	Processed By
11/12/1993	APP	Application Received	*	*****
11/12/1993	FTN	Finalize non-published Trans.		*****
06/06/2014	QAT	Quality Assurance Completed	SO2	*****
09/17/2014	QAT	Quality Assurance Completed	IMAGE	*****
08/21/2015	ARV	Rec & Arch - file location	CP 00829 Box: 2057	*****

Water Right

Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
CP 00829	0	3		PLS NON 72-12-1 LIVESTOCK WATERING

**Point of Diversion

CP 00829 606165 3614009*

An () after northing value indicates UTM location was derived from PLSS - see Help

**Place of Use

Q	Q	Q	Q	Sec	Tws	Rng	Acres	Diversion	Consumptive	Use	Priority	Status	Other	Loc	Desc
256	64	16	4				0	3		PLS 12.31/1950	DCL	NO PLACE OF USE GIVEN			

Remarks

WELL HAS NOR BEEN USED SINCE 1965 REPLACED WITH P/L FROM POTIEST CO.

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

10/5/15 9:41 AM

TRANSACTION
SUMMARY



New Mexico Office of the State Engineer Water Right Summary



WR File Number: CP 00829 Subbasin: - Subfile: -
Primary Purpose: PLS NON 72-12-1 LIVESTOCK WATERING
Primary Status: DCL DECLARATION
Total Acres: 0
Total Diversion: 3
Owner: SNYDER RANCHES
Contact: LARRY C SQUIRES

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
548109	DCL	1993-11-12	DCL	PRC	CP 00829	T	0	3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q	Q	Q	Sec	Tws	Rng	X	Y	Other Location Desc
CP 00829	Shallow	2	4	16	19S	31E		606165	3614009*	

An () after northing value indicates UTM location was derived from PLSS - see Help

Priority Summary

Priority	Status	Acres	Diversion	Pod Number	Source
12/31/1950	DCL	0	3	CP 00829	Shallow

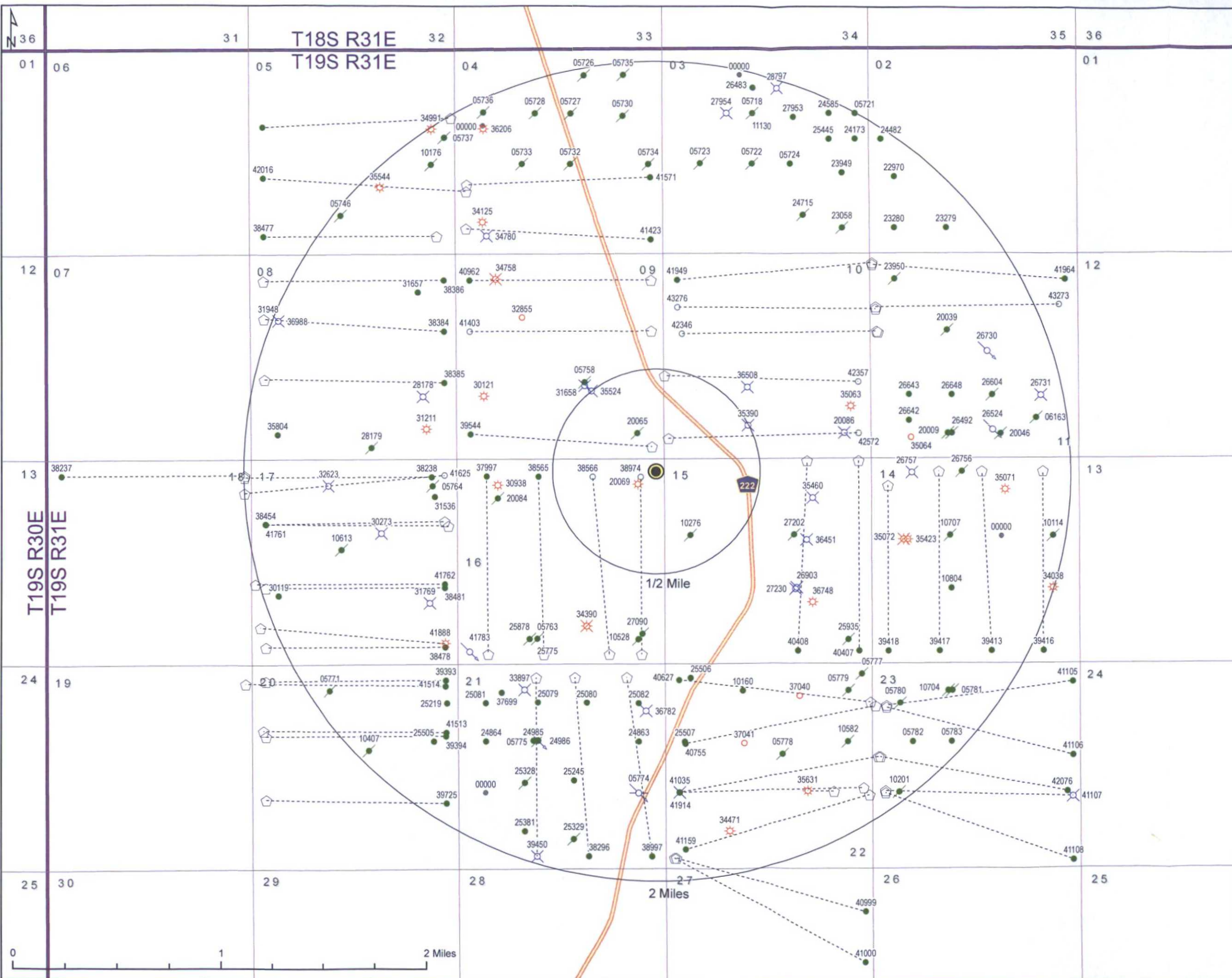
Place of Use

Q	Q	Q	Q	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64	16	4				0	3		PLS	12/31/1950	DCL	NO PLACE OF USE GIVEN

Source

Acres	Diversion	CU	Use	Priority	Source Description
0	3		PLS	12/31/1950	GW

1/2 Mile AOR I'm Your Hackberry SWD No. 1									
API #	Well Name	Operator	Well Type	Spud Date	Location	Depth (TVD)	Formation	Record of Completion	Construction
30-015-10276	Federal 15 #001	Robert A. Dean & Jack L. McClellan	P&A	9/29/1964	E-15-19S-31E; 1,980' FNL & 660' FWL	2,625	N/A	Form 9-330	Form 9-330
30-015-20065	Tenneco-Federal #001	Carl Engwall & James R. Stephens	P&A	6/23/1967	P-9-19S-31E; 660' FSL & 660' FEL	135	N/A	Form 9-330	Form 9-330
30-015-20069	Rudolph ATX State #001	Yates Petroleum Corporation	Gas	1/24/2000	A-16-19S-31E; 660' FNL & 660' FEL	12,491	Morrow	Form C-105	Form C-105
30-015-35390	ACME 10 Federal Com #002C	Devon Energy Production Company, LP	Cancelled	N/A	K-10-19S-31E; 1,980' FSL & 1,980' FWL	N/A	N/A	N/A	Form 3160-3
30-015-38566	Rudolph ATX State Com #005H	Yates Petroleum Corporation	Permitted	N/A	O-16-19S-31E; 330' FSL & 1,580' FEL	N/A	Bone Spring	N/A	Form C-101
30-015-38974	Rudolph ATX State Com #006H	Yates Petroleum Corporation	Permitted	N/A	P-16-19S-31E; 330' FSL & 760' FEL	N/A	Bone Spring	N/A	Form C-101
30-015-39544	Domino AOJ Federal Com #013H	Yates Petroleum Corporation	Oil	2/21/2012	P-09-19S-31E; 330' FSL & 330' FEL	13,305	Bone Spring	Form 3160-4	Form 3160-4
30-015-42357	Hadar 10 Federal Com #003H	Devon Energy Production Company, LP	Permitted	N/A	L-10-19S-31E; 2,155' FSL & 5' FWL	N/A	Bone Spring	N/A	Form 3160-3
30-015-42572	Hadar 10 Federal Com #004H	Devon Energy Production Company, LP	Permitted	N/A	M-10-19S-31E; 544' FSL & 95' FWL	N/A	Bone Spring	N/A	Form 3160-3
30-015-35524	Domino AOJ Federal Com #006	Yates Petroleum Corporation	Cancelled	N/A	J-09-19S-31E; 1,980' FSL & 1,980' FEL	N/A	N/A	N/A	Form 3160-3



I'm Your Hackberry SWD #1

Area of Review

Eddy County, NM

OWL SWD Operating, LLC

Projection: NAD 1983 State Plane NM East FIPS 3001

Drawn by: SAH Date: 10/1/2015 Approved by: NLB

LONQUIST & CO. LLC

AUSTIN
HOUSTON

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

WICHITA
CALGARY

Texas License F-8652

I'm Your Hackberry SWD #1

Oil Well

Plugged Oil Well

Permitted Oil Well

Gas Well

Plugged Gas Well

Permitted Gas Well

SWD Well

Plugged SWD Well

Cancelled Location

Unknown

Horizontal Surface Location

Lateral

1/2 & 2 Mile Radius

Section Boundary

Township Boundary

New Mexico

Texas

Mexico

Map Extent
(Eddy County, NM)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. NM-0321612	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Robert A. Dean and Jack L. McClellan				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Suite 823, Midland Tower, Midland, Texas				8. FARM OR LEASE NAME Federal "15"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State law) At surface 660' FW & 1980' FNL At top prod. interval reported below At total depth				9. WELL NO. 1	
10. FIELD AND POOL, OR WILDCAT Wildcat				11. SEC., T. R., M., OR BLOCK AND SURVEY OR AREA 15-198-31E	
14. PERMIT NO. _____ DATE ISSUED _____				12. COUNTY OR PARISH Eddy	
15. DATE SPOOLED 9/29/64 16. DATE T.D. REACHED 11/9/64 17. DATE COMPL. (Ready to prod.) P&A 11/12/64 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3528 G. L. 19. ELEV. CASINGHEAD				13. STATE New Mexico	
20. TOTAL DEPTH, MD & TVD 2625'		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		ROTARY TOOLS		CABLE TOOLS 0 - 2625'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None				25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN GO - Gamma Ray-Neutron				27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	798	12"	Cemented w/50 sx	17 jts. 527'
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
None			DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED		
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
None					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
FLOW, TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY			
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.					
SIGNED Jack L. McClellan		TITLE Agent		DATE 11-16-64	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
7-Rivers	2500	2505	Bailed 1 qt. oil/hr. No water.

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Anhydrite	565	
T. Salt	790	
B. Salt	2040	
T. Yates	2290	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-0321612

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "15"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat (Cortes River)

11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA

15-19S-31E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Robert A. Dean and Jack L. McClellan

3. ADDRESS OF OPERATOR

Suite 823, Midland Tower, Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)

At surface

660' FW & 1980' FNL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3528 G. L.

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETION ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On November 10 and 11, 1964, this test was plugged and abandoned as per verbal instructions, as no significant show of oil or gas was encountered. A slight show of water was encountered at a total depth of 2625 feet. The well was plugged by Cortez Drilling Company in the following manner:

Dumped 100' plug at total depth, filled hole with heavy mud to 2100 feet. Dumped 100' plug to cover base of salt. Filled hole with heavy mud to 650 feet. Cut and pulled 8-5/8" pipe at 666 feet. Pulled 17 joints pipe. Left 3 joints in hole. Set 50' plug at surface. Installed dry hole marker.

Work finished on November 12, 1964.

RECEIVED
MAR 11 1965
D. C. C.
ARTESIA OFFICE

18. I hereby certify that the foregoing is true and correct

SIGNED

Jack L. McClellan

TITLE

Agent

DATE

11-16-64

(This space for Federal or State office use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

MAR 10 1965
H. L. CLEGG
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-685229

667-881

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-B355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-055728

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Tenneco-Federal

9. WELL NO.

1

10. FIELD AND POOL OR WILDCAT

Wildcat 9-195-31E

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Wildcat 9-195-31E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Carl Engwall & James R. Stephens

3. ADDRESS OF OPERATOR

P. O. Box 789, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 660' FS&EL

At top prod. interval reported below

At total depth

same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

6-23-67

16. DATE T.D. REACHED

8-22-67

17. DATE COMPL. (Ready to prod.)

8-23-67

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3545.5 GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

135

21. PLUG, BACK T.D., MD & TVD

-

22. IF MULTIPLE COMPL., HOW MANY*

-

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

CABLE TOOLS

0-135

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Plugged & Abandoned

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

none

27. WAS WELL CORED

no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
None					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					none		

31. PERFORATION RECORD (Interval, size and number)

none

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
none	

33. PRODUCTION

DATE FIRST PRODUCTION

none

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

DATE OF TEST

HOURS TESTED

CHOKER SIZE

PROD'N. FOR TEST PERIOD

OIL—BBL.

GAS—MCF.

FLOW, TUBING PRESS.

CASING PRESSURE

CALCULATED 24-HOUR RATE

OIL—BBL.

GAS—MCF.

WATER—BBL.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

none

35. LIST OF ATTACHMENTS

none

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Carl Engwall

TITLE Operator

DATE 9-27-67

*(See Instructions and Spaces for Additional Data on Reverse Side)

RECEIVED
SEP 27 1967
U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

IF not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
NONE ENCOUNTERED			

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
NONE PICKED		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instruct. on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
NM-0557728

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Tenneco-Federal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT

Wildcat *undesignated*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

9-19S-31E

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Carl Engwall & James R. Stephens

3. ADDRESS OF OPERATOR
P.O. Box 789, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

660' FS&EL

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
3545.5 GR

12. COUNTY OR PARISH 13. STATE
EDDY NMex

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

August 23, 1967 - Filled hole with mud and set 20 sacks cement plug in top of Hole around proper marker. No shows of water or hydrocarbons encountered while drilling to total depth at 135 feet. September 27, 1967 Location has been levelled and cleaned.

RECEIVED
OCT - 5 1967
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED

OCT 4 1967

18. I hereby certify that the foregoing is true and correct

SIGNED *Carl Engwall*

TITLE **Operator**

DATE **9-26-67**

(This space for Federal or State office use)

APPROVED BY *[Signature]*
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO.
30-015-20069

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
V-4567

7. Lease Name or Unit Agreement Name
Rudolph ATX State

8. Well No.
1

9. Pool name or Wildcat
Lusk Morrow, West

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DDP RESVR ☐ OTHER ☐ Re-entry

2. Name of Operator
YATES PETROLEUM CORPORATION (505) 748-1471

3. Address of Operator
105 South 4th St., Artesia, NM 88210

4. Well Location
Unit Letter A : 660 Feet From The North Line and 660 Feet From The East Line
Section 16 Township 19S Range 31E NMPM Eddy County

10. Date Spudded
PU 1-24-2000
RT 3-4-2000

11. Date T.D. Reached
3-26-2000

12. Date Compl. (Ready to Prod.)
6-28-2000

13. Elevations (D&F, R&B, RT, GR, etc.)
3534.9' GR

14. Elev. Casinghead

15. Total Depth
12491'

16. Plug Back T.D.
12410'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By
Rotary Tools
11230-12491'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name
12137-12366' (Morrow)

20. Was Directional Survey Made
No

21. Type Electric and Other Logs Run
CNL/LDC, BHC & Laterolog

22. Was Well Cored
No

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

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	655'	17-1/2"	In place	
8-5/8"	32#	3820'	11"	In place	
7"	22# & 23#	4227'	7-7/8"	In place	
4-1/2"	11.6#	12491'	7-7/8"	325 sacks	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	12070'	12079'

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

12335-12366' w/42 .42" holes
12137-12207' w/96 .42" holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
SEE ATTACHED SHEET	

28. PRODUCTION

Date First Production
6-28-2000

Production Method (Flowing, gas lift, pumping - Size and type pump)
Flowing

Well Status (Prod. or Shut-in)
Producing

Date of Test
7-3-2000

Hours Tested
24

Choke Size
17/64"

Prod'n For Test Period

Oil - Bbl.
19

Gas - MCF
1632

Water - Bbl.
21

Gas - Oil Ratio
N/A

Flow Tubing Press.
1100#

Casing Pressure
Packer

Calculated 24-Hour Rate

Oil - Bbl.
19

Gas - MCF
1632

Water - Bbl.
21

Oil Gravity - API - (Corr.)
N/A

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

Test Witnessed By
Jerry Wyatt

30. List Attachments
Deviation Survey & Logs

31. 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 Rusty Klein Printed Name Rusty Klein Title Operations Tech. Date 7-24-2000

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. It 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 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy _____
 T. Salt _____
 B. Salt _____
 T. Yates 2330
 T. 7 Rivers _____
 T. Queen 3498
 T. Grayburg _____
 T. San Andres _____
 T. Glorieta _____
 T. Paddock _____
 T. Blinbry _____
 T. Tubb _____
 T. Drinkard _____
 T. Abo _____
 T. Wolfcamp 10050
 T. Penn _____
 T. Cisco (Bough C) _____

T. Canyon _____
 T. Strawn 11000
 T. Atoka 11366
 T. Miss _____
 T. Devonian _____
 T. Silurian _____
 T. Montoya _____
 T. Simpson _____
 T. McKee _____
 T. Ellenburger _____
 T. Gr. Wash _____
 T. Delaware Sand _____
 T. Bone Springs 6750
 T. Morrow Clastics 11992
 T. Chester 12476
 T. _____
 T. _____
 T. _____

Northwestern New Mexico

T. Ojo Alamo _____
 T. Kirtland-Fruitland _____
 T. Pictured Cliffs _____
 T. Cliff House _____
 T. Menefee _____
 T. Point Lookout _____
 T. Mancos _____
 T. Gallup _____
 Base Greenhorn _____
 T. Dakota _____
 T. Morrison _____
 T. Todilto _____
 T. Entrada _____
 T. Wingate _____
 T. Chinle _____
 T. Permian _____
 T. Penn "A" _____

T. Penn. "B" _____
 T. Penn. "C" _____
 T. Penn. "D" _____
 T. Leadville _____
 T. Madison _____
 T. Elbert _____
 T. McCracken _____
 T. Ignacio Otzte _____
 T. Granite _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____

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
11230	11840	610	Lime & shale				
11840	11944	104	Lime & chert				
11944	12091	147	Lime				
12091	12207	116	Sand, lime & shale				
12207	12460	253	Shale & sand				
12460	12491	31	Lime & shale				

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED**

AT5-07-324

S

Form 3160-3
(August 1999)Month - Year
MAR 28 2007
OCD - ARTESIA, NMIf earthen pits are used in
association with the drilling of this
well, an OCD pit permit must be
obtained prior to pit construction.

(RESUBMITTAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

OMB No. 1004-0136
Expires November 30, 20001a. Type of Work: ☒ DRILL ☐ REENTERb. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone2. Name of Operator
Yates Petroleum Corporation 25575 CAPITAN CONTROLLED WATER BASIN3A. Address 105 South Fourth Street
Artesia, New Mexico 882103b. Phone No. (include area code)
(505) 748-1471

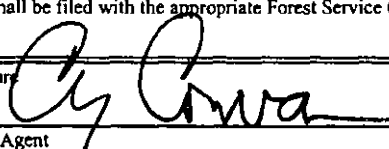
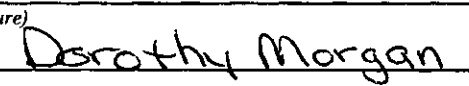
4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface 1880' FSL and 1980' FEL, Unit J
At proposed prod. Zone Same14. Distance in miles and direction from nearest town or post office*
15 miles southeast of Loco Hills, New Mexico.15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)
1980'16. No. of Acres in lease
240.0017. Spacing Unit dedicated to this well
E/2 32018. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.
1 mile19. Proposed Depth
12,15020. BLM/BIA Bond No. on file
NMB00043421. Elevations (Show whether DF, KDB, RT, GL, etc.)
3550' GL22. Approximate date work will start*
ASAP23. Estimated duration
60 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) Cy Cowan	Date 2/22/2007
Regulatory Agent		
Regulatory Agent		
Approved by (Signature) 	Name (Printed/Typed) Dorothy Morgan	Date 3-26-07
Title ACTING FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

APPROVAL FOR 1 YEAR

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.

*(Instructions on reverse) C-144 attached

SEE ATTACHED FOR
CONDITIONS OF APPROVALAPPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

TM



United States Department of the Interior

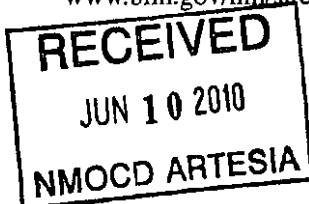
BUREAU OF LAND MANAGEMENT

Pecos District
Carlsbad Field Office
620 E. Greene

Carlsbad, New Mexico 88220-6292
www.blm.gov/nm/st/en.html



In Reply Refer To
NM-045276, NM-0557142,
NM-78215, NM-82902
3162.4 (P0220)



JUN 07 2010

30-015-35524

Your Reference:

NM-045276 Diamond AKI Fed. #5 990'/N & 660'/W sec.34, T. 20 S., R. 24 E.
APD approved on 09/14/07, APD expired on 09/14/09
NM-0557142 Ross EG Fed. Com #11 1980'/S & 1980'/E sec.20, T. 19 S., R. 25 E.
APD approved on 04/24/07, last approved extension expired on 04/24/10
NM-78215 Hickory ALV Federal #6 1980'/S & 1090'/E sec. 18, T. 22 S., R. 24 E.
APD approved on 11/05/07, APD expired on 11/05/09
→ NM-82902 Domino AOJ Fed. Com. #6 1880'/S & 1980'/E sec. 09, T. 19 S., R. 31 E.
APD approved on 03/26/07, last approved extension expired on 03/26/10
NM-82902 Domino AOJ Fed. Com. #7 1650'/N & 660'/W sec. 08, T. 19 S., R. 31 E.
APD approved on 09/13/07, APD expired on 09/13/09

Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210

Gentlemen:

Your Applications for Permit to Drill (APDs), the above referenced wells have expired because drilling has not commenced within two years of the last approval date as stated in the General Requirements for Oil and Gas Operations on Federal Leases.

If drilling operations have commenced on the referenced wells, please contact Jim Amos of this office at (575) 234-5909 and send all necessary reports (spud, casing/cementing, etc., 1 original and 3 copies for each well) to us, so we may correct our records.

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

MR

If you wish to drill these wells at a later date, please submit a complete application (1 original and 3 copies for each well) to this office. Since the original APDs have expired, the resubmitted APDs will be subject to all the processing requirements including the 30-day posting requirement. Please note on the resubmitted APDs that they were previously approved and we will review the expired files for information which will help expedite the processing. If you have any questions please contact Betty Hill at (575) 234-5937.

Sincerely,

/s/ Don Peterson

Don Peterson
Assistant Field Manager
Lands & Minerals

bcc:
P0220, I&E CFO
NMOCD Artesia

11/12

AT5-07-324

S

Month - Year
MAR 28 2007
OCD - ARTESIA, NM
181

Form 3160-3
(August 1999)

If earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

(RESUBMITTAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

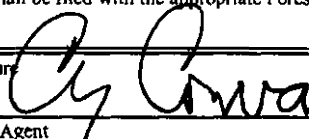
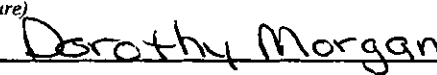
0
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5. Lease Serial No. NM-82902
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name
2. Name of Operator Yates Petroleum Corporation 25575 CAPITAN CONTROLLED WATER BASIN			7. If Unit or CA Agreement, Name and No. 22903
3A. Address 105 South Fourth Street Artesia, New Mexico 88210		3b. Phone No. (include area code) (505) 748-1471	8. Lease Name and Well No. Domino AOJ Federal Com #6
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 1880' FSL and 1980' FEL, Unit J At proposed prod. Zone Same			9. API Well No. 30-011-35524
14. Distance in miles and direction from nearest town or post office* 15 miles southeast of Loco Hills, New Mexico.			10. Field and Pool, or Exploratory Wildcat Mississippian (96068)
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1980'	16. No. of Acres in lease 240.00	17. Spacing Unit dedicated to this well E/2 320	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1 mile	19. Proposed Depth 12,150	20. BLM/BIA Bond No. on file NMB000434	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3550' GL	22. Approximate date work will start* ASAP	23. Estimated duration 60 days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) Cy Cowan	Date 2/22/2007
Regulatory Agent		
Approved by (Signature) 	Name (Printed/Typed) Dorothy Morgan	Date 3-26-07
Title ACTING FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

APPROVAL FOR 1 YEAR

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.

*(Instructions on reverse) C-144 attached
SEE ATTACHED FOR CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

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

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

1. Operator Name and Address YATES PETROLEUM CORPORATION 105 S 4TH ST ARTESIA, NM 88210		2. OGRID Number 25575
		3. API Number 30-015-38566
4. Property Code 38242	5. Property Name RUDOLPH ATX STATE COM	6. Well No. 005H

7. Surface Location

UL - Lot O	Section 16	Township 19S	Range 31E	Lot 1/4 O	Feet From 330	N-S Line S	Feet From 1580	E-W Line E	County EDDY
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	----------------

8. Pool Information

LUSK BONE SPRING, WEST Wildcat Bone Spring	41480 C
---	------------

Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable Rotary	12. Lease Type State	13. Ground Level Elevation 3498
14. Multiple Y	15. Proposed Depth 13417	16. Formation 3rd Bone Spring Sand	17. Contractor	18. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Fit: Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Fit Volume: bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.385	48	475	475	0
Int1	12.25	9.625	36	4250	610	0
Prod	8.5	5.5	17	13417	2540	3750

Casing/Cement Program: Additional Comments

--

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCDD guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> . Printed Name: Electronically filed by Montis Sanders Title: Email Address: montis@yatespetroleum.com Date: 3/18/2011 Phone: 575-748-4244	OIL CONSERVATION DIVISION	
	Approved By: Randy Dade	
	Title: District Supervisor	
	Approved Date: 3/21/2011	Expiration Date: 3/21/2013
	Conditions of Approval Attached	

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

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

1. Operator Name and Address YATES PETROLEUM CORPORATION 105 S 4TH ST ARTESIA, NM 88210		2. OGEID Number 15573
4. Property Code 882-2		3. API Number 10-015-18974
5. Property Name RUDOLPH ATK STATE COM		6. Well No. 006H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Loc.	Feet From	N/S Line	Feet From	E/W Line	County
P	16	19S	31E	P	330	S	760	E	EDDY

8. Pool Information

Lusk Bone Spring, West	4
------------------------	---

Additional Well Information

8. Well Type New Well	10. Well Type OIL	11. Casing Society	12. Lease Type State	13. Ground Level Elevation 1500
14. Multiple N	15. Proposed Depth 13460	16. Formation 2nd Bone Spring Sand	17. Contractor	18. Spud Date 5/1/2011
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
19a. Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> 20a. Drilling Method: Closed Loop System <input type="checkbox"/> 21b. Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	450	401	
Int1	12.25	9.625	36	4250	1451	
Prod	8.5	5.5	17	13460	1125	6000
Prod	8.75	5.5	17	9312	376	3750

Casing/Cement Program: Additional Comments

--

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCOD guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by: Monti Sanders	Approved By: Randy Dade
Title:	Title: District Supervisor
Email Address: montis@yatespetroleum.com	Approved Date: 4/22/2011 Expiration Date: 4/23/2013
Date: 4/21/2011 Phone: 575-748-4244	Conditions of Approval Attached

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No

NM-82902

6 If Indian, Allottee or Tribe Name

NA

7 Unit or CA Agreement Name and No

8 Lease Name and Well No

Domino AOJ Federal Com #13H

9 API Well No

30-015-39544

10 Field and Pool or Exploratory

Hackberry, Bone Spring, North

11 Sec., T., R., M., on Block and
Survey or Area

Section 9-T19S-R31E

12 County or Parish 13 State

Eddy

New Mexico

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Otherb Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr
Other:

2 Name of Operator

Yates Petroleum Corporation

3 Address

105 S. 4th Str., Artesia, NM 88210

3a Phone No (include area code)

575-748-1471

4 Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface

330'FSL & 330'FEL (Unit P, SESE)

At top prod. Interval reported below

BHL

656'FSL & 362'FWL (Unit M, SWSW)

RECEIVED

JUN 05 2012

NMOCD ARTESIA

14 Date Spudded

RH 2/21/12 RT 2/24/12

15 Date T.D Reached

3/28/12

16 Date Completed

5/12/12

☐ D & A☒ Ready to Prod

17 Elevations (DF,RKB,RT,GL)*

3549'GL 3568'KB

18 Total Depth MD 13,305'
TVD NA19 Plug Back T D MD 13,263'
TVD NA20 Depth Bridge Plug Set MD NA
TVD NA

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)

CNL, Hi-Res Laterolog Array, CBL

22 Was Well cored?

☒ No☐ Yes

(Submit analysis)

Was DST run?

☒ No☐ Yes

(Submit report)

Directional Survey?

☐ No☒ Yes

(Submit copy) (Attached)

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

Hole Size	Size/Grade	Wt. (#/ft)	Top (MD)	Bottom (MD)	State Cementer Depth	No. of Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
26"	20"	Cond.	0	40'		27sx redi-mix		0	
17-1/2"	13-3/8"	48#	0	670'		710 sx		0	
12-1/4"	9-5/8"	36#,40#	0	4188'		2160 sx		0	
8-1/2"	5-1/2"	17#	0	13,265'		1000 sx		2710'Est	

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	8362'							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Bone Spring	9296'	13,195'				
B)						
C)						

26 Perforation Record

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
13,195'	Pumped 100 bbls 2% KCL w/packer fluid, pumped 1000g 7-1/2% HCL acid, 122,427# sand
13,020'	Pumped 1000g 7-1/2% HCL acid, 120,243# sand
12,860'	Pumped 1000g 7-1/2% HCL acid, 122,820# sand

CONTINUED ON #32 BELOW

RECLAMATION
DUE 11-12-12

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
5/13/12	5/18/12	24	→	128	121	364	NA	NA	Pumping
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
NA	300 psi	70 psi	→	128	121	364	NA		Producing

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	
			→						

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD
Producing

JUN 3 2012

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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	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	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	Description, Contents, etc	Name	Top
					Meas. Depth
Rustler	555'	2142'		Rustler	555'
Tansill	2143'	2267'		Tansill	2143'
Yates	2268'	2578'		Yates	2268'
Seven Rivers	2579'	3450'		Seven Rivers	2579'
Queen	3451'	3979'		Queen	3451'
Capitan Reef	3980'	4411'		Capitan Reef	3980'
Cherry Canyon	4412'	5253'		Cherry Canyon	4412'
Brushy Canyon	5254'	6761'		Brushy Canyon	5254'
Bone Spring	6762'	13,265'		Bone Spring	6762'
REFER TO LOGS					

32. Additional remarks (include plugging procedure):

CONTINUED FROM PREVIOUS PAGE:

12,702' - Pumped 1000g 7-1/2% HCL acid, 123,462# sand	10,816' - Pumped 1000g 7-1/2% HCL acid, 119,365# sand
12,498' - Pumped 1000g 7-1/2% HCL acid, 122,041# sand	10,657' - Pumped 1000g 7-1/2% HCL acid, 120,804# sand
12,338' - Pumped 1000g 7-1/2% HCL acid, 122,125# sand	10,453' - Pumped 1000g 7-1/2% HCL acid, 122,651# sand
12,178' - Pumped 1000g 7-1/2% HCL acid, 126,211# sand	10,296' - Pumped 1000g 7-1/2% HCL acid, 121,700# sand
12,019' - Pumped 1000g 7-1/2% HCL acid, 125,657# sand	10,136' - Pumped 1000g 7-1/2% HCL acid, 119,570# sand
11,815' - Pumped 1000g 7-1/2% HCL acid, 122,287# sand	9976' - Pumped 1000g 7-1/2% HCL acid, 123,636# sand
11,656' - Pumped 1000g 7-1/2% HCL acid, 120,105# sand	9773' - Pumped 1000g 7-1/2% HCL acid, 117,339# sand
11,338' - Pumped 1000g 7-1/2% HCL acid, 120,308# sand	9614' - Pumped 1000g 7-1/2% HCL acid, 119,107# sand
11,134' - Pumped 1000g 7-1/2% HCL acid, 123,046# sand	9455' - Pumped 1000g 7-1/2% HCL acid, 115,208# sand
10,975' - Pumped 1000g 7-1/2% HCL acid, 118,989# sand	9296' - Pumped 1000g 7-1/2% HCL acid, 125,008# sand

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 Deviation Survey

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

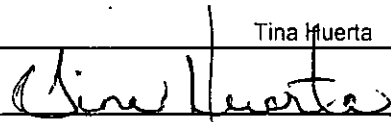
Name (please print)

Tina Huerta

Title

Regulatory Reporting Supervisor

Signature



Date

May 22, 2012

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

(Continued on page 3)

(Form 3160-4, page2)

UNORTHODOX LOCATION

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SL:NM428832;NM98186;BL:NM055493	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator Devon Energy Production Co., L.P. Linda Good		7. If Unit or CA Agreement, Name and No.	
3a. Address 333 W. Sheridan Ave. Oklahoma City, OK 73102		8. Lease Name and Well No. Hadar 10 Fed Com 3H <40320>	
3b. Phone No. (include area code) 405-552-6558		9. API Well No. 30-015-42357	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 2155 FSL & 5 FWL, L PP: 1980 FSL & 330 FWL At proposed prod. zone 1980 FSL & 340 FEL, I		10. Field and Pool, or Exploratory Lusk West; Bone Spring <41480>	
11. Sec., T. R. M. or Blk. and Survey or Area Sec 10-T19S-R31E		12. County or Parish Eddy	
13. State WY		14. Distance in miles and direction from nearest town or post office* 12 Miles SE of Loco Hills, New Mexico	
15. Distance from proposed* See attached map location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)		16. No. of acres in lease NMNM128832-120 Acres NMNM98186-320 Acres NMNM055493-2080 Acres	
17. Spacing Unit dedicated to this well 160 Acres		18. Distance from proposed location* See attached map to nearest well, drilling, completed, applied for, on this lease, ft.	
19. Proposed Depth 13806' MD/ 91'16' TVD 9426' PH		20. BLM/BIA Bond No. on file CO1104; NMB-000801	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3569.7' GL		22. Approximate date work will start* 04/05/2014	
23. Estimated duration 45 DAYS		24. Attachments	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature <i>Linda Good</i>	Name (Printed/Typed) Linda Good	Date <i>Revised</i> 3/4/2014
Title Regulatory Specialist		
Approved by (Signature) <i>/s/ STEPHEN J. CAFFEY</i>	Name (Printed/Typed) STEPHEN J. CAFFEY	Date APR 24 2014
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

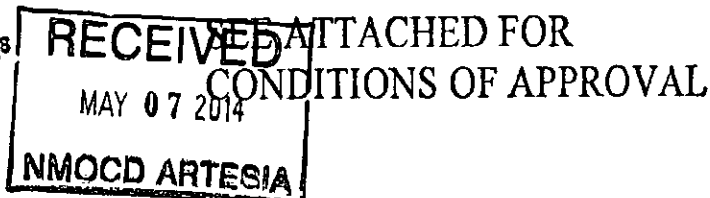
APPROVAL FOR TWO YEARS

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.

(Continued on page 2)

*(Instructions on page 2)
Capitan Controlled Water Basin

Approval Subject to General Requirements
& Special Stipulations Attached



OCD-Artesia

ATS-14-525

JES
8-11-14UNORTHODOX
LOCATIONUNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 20105. Lease Serial No.
NM-128832; NM-055493 BHL

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
Hadar 10 Fed Corn 4H

9. API Well No.

10. Field and Pool, or Exploratory
Lusk West, Bone Spring11. Sec., T. R. M. or Blk. and Survey or Area
Sec 10 T19S R31E12. County or Parish
Eddy13. State
NM1a. Type of work: ☒ DRILL☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator Devon Energy Production Company, L. P.

3a. Address 333 W. Sheridan
Oklahoma City, OK 731023b. Phone No. (include area code)
405-235-3611

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface 544 FSL & 95 FWL M

At proposed prod. zone 660 FSL & 340 FEL P PP: 660 FSL & 330 FWL

14. Distance in miles and direction from nearest town or post office*
12 Miles SE Loco Hills, NM.15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drg. unit line, if any)

See attached map

16. No. of acres in lease
NM 128832 120 ac
NM 055493 160 ac17. Spacing Unit dedicated to this well
160 ac18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

See attached map

19. Proposed Depth
9136' TVD 13,737' MD20. BLM/BIA Bond No. on file
CO-1104; NMB-00080121. Elevations (Show whether DF, KDB, RT, GL, etc.)
3561.3' GL22. Approximate date work will start*
04/30/201423. Estimated duration
45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the
SUPO must be filed with the appropriate Forest Service Office).4. Bond to cover the operations unless covered by an existing bond on file (see
Item 20 above).

5. Operator certification

6. Such other site specific information and/or plans as may be required by the
BLM.

25. Signature

Title

Sr. Regulatory Specialist

Name (Printed/Typed)

Judy A. Barnett

Date

02/12/2014

Approved by (Signature)

Steve Caffey

Name (Printed/Typed)

Office

Date

AUG - 4 2014

Title

FIELD MANAGER

CARLSBAD FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to
conduct operations thereon.
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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.

(Continued on page 2)

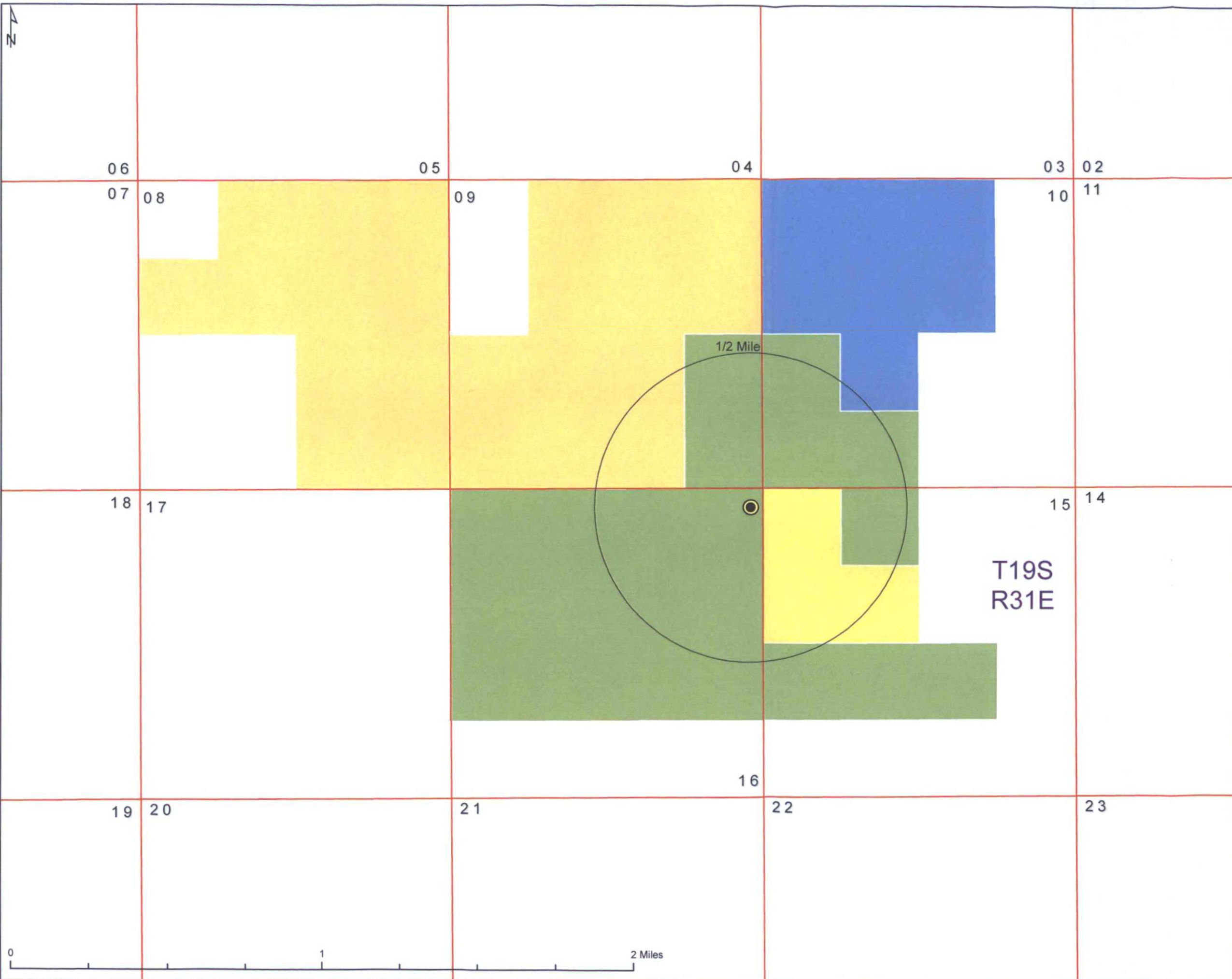
*(Instructions on page 2)

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 08 2014

RECEIVED

Approval Subject to General Requirements
& Special Stipulations AttachedSEE ATTACHED FOR
CONDITIONS OF APPROVAL



I'm Your Hackberry SWD #1
Area of Review
Eddy County, NM
OWL SWD Operating, LLC

Projection: NAD 1983 State Plane NM East FIPS 3001
Drawn by: SAH Date: 10/1/2015 Approved by: NLB

LONQUIST & CO. LLC
AUSTIN HOUSTON PETROLEUM ENGINEERS ENERGY ADVISORS WICHITA CALGARY
Texas License F-8652

● I'm Your Hackberry SWD #1
□ 1/2 Mile Radius
□ Section Boundary

Lessee

- ABO Petro Corp, MYCO Industries Inc, OXY Y-1 Company, Yates Petro Corp
- COG Operating LLC, Devon Energy Prod Co LP, McCombs Energy LTD
- Devon Energy Prod Co LP
- Occidental Permian LP



12 Records found.

Lease Number:

V0-4567-0001

Company name: DEVON ENERGY PRODUCTION CO.
Company ID: 166111
Assigned from: V0-4567-0000
Total acres: 480.00
Prod stat: N/A

Lease term:

Lease term: FIVE(5) YEAR TERM, 1/6th ROYALTY
Issue date: 2/1/1995
Termination date: Active
Termination reason: N/A
Current term: Extended Primary Term

Billing information:

Bill to: DEVON ENERGY PRODUCTION CO.
Rent per acre: 1.00
Billing frequency: Annual
Minimum annual rent: 480.00
Last bill date: 1/8/2015
Next bill date: 2/1/2016
Escalation: 0.00

Land information:

Section	Township	Range	Unit Letter	Lot	Tract	Acreage
16	19S	31E	A			40.00
			B			40.00
			C			40.00
			D			40.00
			E			40.00
			F			40.00
			G			40.00
			H			40.00
			I			40.00
			J			40.00
			K			40.00
			L			40.00

STATE LAND OFFICE DATA ACCESS

[Home](#)[Select a different page..... ▼](#)[Go Tech](#)[NM State Land Office](#)

lessee details

DEVON ENERGY PRODUCTION CO.

[\[List Active Leases\]](#) - [\[List All Leases\]](#)

OGRID: 166111
Issuing Agency: SLO
Effective Date: 10/8/1997
Last Modified: 1/30/2015

Address:

333 W. SHERIDAN
OKLAHOMA CITY, OK
73102

Phone: 405-552-4633

Fax:

GoTech production data:

API Section Township Range

3004120890	30	06S	37E
3004120889	31	06S	37E
3002535041	32	15S	32E
3002534828	33	15S	32E
3002500357	33	15S	32E
3001530528	13	16S	27E
3001530972	14	16S	27E
3001531436	32	16S	27E
3001531980	8	16S	28E
3001530472	8	17S	27E
3002534747	10	17S	35E
3001530896	19	18S	24E
3001531728	17	18S	31E
3001531240	29	18S	31E
3001531239	29	18S	31E
3001529548	30	18S	31E
3001529428	30	18S	31E
3001529500	30	18S	31E
3001529547	30	18S	31E
3001529486	30	18S	31E
3001532029	30	18S	31E
3002534007	19	18S	33E
3002534008	19	18S	33E
3002534065	19	18S	33E
3002534006	19	18S	33E
3001530273	17	19S	31E
3001530432	6	20S	28E
3001530458	6	20S	28E
3001530054	6	20S	28E
3001530118	17	21S	25E
3001522243	32	21S	26E
3002533488	33	21S	33E
3001529272	1	22S	25E
3001529799	24	22S	25E
3001531896	24	22S	25E
3001531556	6	22S	26E
3001510060	7	22S	26E
3001531924	14	22S	26E
3001530557	29	22S	26E
3001529991	29	22S	26E
3001529393	29	22S	26E
3001529394	29	22S	26E
3001529395	29	22S	26E
3001530272	13	22S	27E
3001530148	4	22S	31E
3001530198	5	22S	31E

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

Run Time: 01:00 PM

Page 5 of 10

Run Date: 10/01/2015

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-- - 094614

Name & Address		Serial Number: NMNM-- - 094614	Int Rel	% Interest
DEVON ENERGY PROD CO LP	333 W SHERIDAN AVE	OKLAHOMA CITY OK 731025010	LESSEE	100.000000000

Serial Number: NMNM-- - 094614								
Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0190S	0310E	008	ALIQ	SW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0190S	0310E	009	ALIQ	W2NW,E2SE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 094614				
Act Date	Code	Action	Action Remark	Pending Office
01/17/1995	387	CASE ESTABLISHED	9501084	
01/18/1995	191	SALE HELD		
01/18/1995	267	BID RECEIVED	\$41600.00;	
01/18/1995	392	MONIES RECEIVED	\$640.00;	
01/27/1995	392	MONIES RECEIVED	\$40960.00;	
02/22/1995	237	LEASE ISSUED		
02/22/1995	974	AUTOMATED RECORD VERIF	SSP	
02/23/1995	600	RECORDS NOTED		
03/01/1995	496	FUND CODE	05;145003	
03/01/1995	530	RLTY RATE - 12 1/2%		
03/01/1995	863	EFFECTIVE DATE		
03/17/1995	034	RENTAL RECEIVED BY ONRR	\$480.00;11/MULTIPLE	
03/20/1995	963	CASE MICROFILMED/SCANNED	JDS	
02/05/1996	084	RENTAL RECEIVED BY ONRR	\$480.00;21/0000000052	
02/06/1997	084	RENTAL RECEIVED BY ONRR	\$480.00;21/0000000057	
02/06/1998	084	RENTAL RECEIVED BY ONRR	\$480.00;21/0000000060	
11/01/1998	246	LEASE COMMITTED TO CA	/NMNM101355;	
11/01/1998	660	MEMO OF 1ST PROD-ALLOC	/1/NMNM101355;	
12/18/1998	643	PRODUCTION DETERMINATION	/1/	
07/01/1999	940	NAME CHANGE RECOGNIZED	SF ENE RES/SF SNYDER	
07/01/1999	974	AUTOMATED RECORD VERIF	JLV	
10/11/2000	940	NAME CHANGE RECOGNIZED	SANTA FE/DEVON SFS	
10/11/2000	974	AUTOMATED RECORD VERIF	AT	
12/12/2002	817	MERGER RECOGNIZED	DEVONSFS/DEVONENEPD	
04/01/2010	246	LEASE COMMITTED TO CA	NMNM125005;	
06/14/2010	650	HELD BY PROD - ACTUAL	/2/	
06/14/2010	658	MEMO OF 1ST PROD-ACTUAL	/2/NMNM125005;	
08/11/2010	643	PRODUCTION DETERMINATION	/2/	
07/01/2011	246	LEASE COMMITTED TO CA	NMNM127354;	
08/15/2011	658	MEMO OF 1ST PROD-ACTUAL	/3/NMNM127354;	
10/06/2011	643	PRODUCTION DETERMINATION	/3/	
02/22/2012	246	LEASE COMMITTED TO CA	NMNM128889;	
05/12/2012	658	MEMO OF 1ST PROD-ACTUAL	/4/NMNM128889;	
07/27/2012	643	PRODUCTION DETERMINATION	/4/	
07/15/2013	246	LEASE COMMITTED TO CA	NMNM133035;	

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

Run Time: 01:00 PM

Page 6 of 10

Run Date: 10/01/2015

12/12/2013	658	MEMO OF 1ST PROD-ACTUAL	/5/NMNM133035;
07/29/2014	643	PRODUCTION DETERMINATION	/5/
09/02/2014	974	AUTOMATED RECORD VERIF	BTM

Line Nr	Remarks	Serial Number: NMNM-- - 094614
---------	---------	--------------------------------

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

Run Time: 01:00 PM

Page 9 of 10

Run Date: 10/01/2015

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

Total Acres

Serial Number

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

160.000

NMNM-- - 120900

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Serial Number: NMNM-- - 120900

Name & Address	Int Rel	% Interest
DEVON ENERGY OPER CO LP 20 N BROADWAY #1500	OKLAHOMA CITY OK 721028260 LESSEE	100.000000000

Serial Number: NMNM-- - 120900

Mer Twp Rng Sec	S Typ	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23 0190S 0310E 01S	ALIQ		NENW,N2SW,NWSE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 120900

Act Date	Code	Action	Action Remark	Pending Office
05/30/2008	387	CASE ESTABLISHED	200807018;	
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	\$320.00;	
07/16/2008	191	SALE HELD		
07/16/2008	267	BID RECEIVED	\$512000.00;	
07/21/2008	143	BONUS BID PAYMENT RECD	\$511680.00;	
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	
10/31/2008	974	AUTOMATED RECORD VERIF	LBO	
11/01/2008	246	LEASE COMMITTED TO CA	NMNM121847	
11/01/2008	496	FUND CODE	05;145003	
11/01/2008	530	RLTY RATE - 12 1/2%		
11/01/2008	868	EFFECTIVE DATE		
01/02/2009	650	HELD BY PROD - ACTUAL	/1/	
01/02/2009	658	MEMO OF 1ST PROD-ACTUAL	/1/NMNM121847;	
05/07/2012	140	ASGN FILED	BLANCO/DEVON ENERGY;1	
08/01/2012	139	ASGN APPROVED	EFF 06/01/12;	
08/15/2012	974	AUTOMATED RECORD VERIF	ANN	
05/22/2013	246	LEASE COMMITTED TO CA	NMNM131807	
05/22/2013	660	MEMO OF 1ST PROD-ALLOC	/2/NMNM131807;	
02/24/2014	543	PRODUCTION DETERMINATION	/2/	
06/24/2015	899	TRF OF ORR FILED	1	

Serial Number: NMNM-- - 120900

Line Nr	Remarks
0002	STIPULATIONS ATTACHED TO LEASE:
0003	NM-11-LN SPECIAL CULTURAL RESOURCE
0004	SENM-S-19 PLAYAS & ALKALI LAKES

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

Run Time: 01:00 PM

Page 10 of 10

Run Date: 10/01/2015

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 Serial Number
120.000 NMNM-- - 128832

Serial Number: NMNM-- - 128832

Name & Address	Int Rel	% Interest
DEVON ENERGY PROD CO LP 333 W SHERIDAN AVE OKLAHOMA CITY OK 731025010	LESSEE	100.000000000

Serial Number: NMNM-- - 128832

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	01905	0310E	010	ALIQ	W2SW,SE5W;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 128832

Act Date	Code	Action	Action Remark	Pending Office
04/18/2012	387	CASE ESTABLISHED	201207002;	
07/18/2012	143	BONUS BID PAYMENT RECD	\$240.00;	
07/18/2012	191	SALE HELD		
07/18/2012	267	BID RECEIVED	\$876000.00;	
07/26/2012	143	BONUS BID PAYMENT RECD	\$875760.00;	
10/11/2012	237	LEASE ISSUED		
10/11/2012	974	AUTOMATED RECORD VERIF	DME	
11/01/2012	496	FUND CODE	05:145003	
11/01/2012	530	RLTY RATE - 12 1/2%		
11/01/2012	868	EFFECTIVE DATE		
12/17/2012	140	ASGN FILED	GONZALES/DEVON ENE;1	
03/27/2013	139	ASGN APPROVED	EFF 01/01/13;	
03/27/2013	974	AUTOMATED RECORD VERIF	JA;	
10/31/2022	763	EXPIRES		

Serial Number: NMNM-- - 128832

Line Nr	Remarks
02	STIPULATIONS ATTACHED TO LEASE:
03	NM-11-LN SPECIAL CULTURAL RESOURCE
04	SENM-LN-4 HACKBERRY LAKE OHV AREA
05	SENM-S-16 RAPTOR NESTS AND HERONRIES
06	SENM-S-22 PRAIRIE CHICKENS

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

Run Time: 01:00 PM

Page 1 of 10

Run Date: 10/01/2015

01 02-25-1920;041STAT0437;30USC181ETSEQ

Total Acres

Serial Number

Case Type 311211: O&G LSE SIMO PUBLIC LAND

200.000

NMNM-- - 033953

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Serial Number: NMNM-- - 033953

Name & Address			Int Rel	% Interest
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 797014882	OPERATING RIGHTS	0.000000000
ENDURANCE RESOURCES LLC	15455 DALLAS PKWY STE 1050	ADDISON TX 750016721	OPERATING RIGHTS	0.000000000
LYNX PETRO CONSULTANTS INC	PO BOX 1708	HOBBS NM 882411708	OPERATING RIGHTS	0.000000000
OCCIDENTAL PERMIAN LP	5 E GREENWAY PLAZA #110	HOUSTON TX 770460521	LESSEE	100.000000000
OCCIDENTAL PERMIAN LTD	PO BOX 4294	HOUSTON TX 772104294	OPERATING RIGHTS	0.000000000
PTNRSHIP				
PITCH ENERGY CORP	PO BOX 304	ARTESIA NM 882110304	OPERATING RIGHTS	0.000000000
SANTA FE SNYDER CORP	550 W TEXAS #1330	MIDLAND TX 79701	OPERATING RIGHTS	0.000000000
TRITEX ENERGY A LP	15455 DALLAS PKWY STE 600	ADDISON TX 750016760	OPERATING RIGHTS	0.000000000
WESTALL OIL & GAS LLC	PO BOX 4	LOCO HILLS NM 88255	OPERATING RIGHTS	0.000000000

Serial Number: NMNM-- - 033953

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0190S	0310E	015	ALIQ	NWNW,S2NW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0190S	0310E	021	ALIQ	E2NW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 033953

Act Date	Code	Action	Action Remark	Pending Office
06/25/1978	387	CASE ESTABLISHED	SPAR710;	
06/26/1978	888	DRAWING HELD		
08/29/1978	237	LEASE ISSUED		
09/01/1978	496	FUND CODE	05;145003	
09/01/1978	530	RLTY RATE - 12 1/2%		
09/01/1978	868	EFFECTIVE DATE		
08/19/1982	111	RENTAL RECEIVED	\$200.00;1YR/82-83	
08/17/1983	111	RENTAL RECEIVED	\$200.00;1YR/83-84	
05/09/1984	909	BOND ACCEPTED	EFF 05/02/84;NM0322	
08/17/1984	111	RENTAL RECEIVED	\$200.00;1YR/84-85	
12/07/1984	650	HELD BY PROD - ACTUAL		
03/07/1985	963	CASE MICROFILMED/SCANNED	CNUM 551,980 GLC	
03/26/1985	932	TRF OPER RGTS FILED	(1)	
03/26/1985	932	TRF OPER RGTS FILED	(2)	
08/22/1986	933	TRF OPER RGTS APPROVED	(1)EFF 04/01/85;	
08/22/1986	933	TRF OPER RGTS APPROVED	(2)EFF 04/01/85;	
06/02/1988	974	AUTOMATED RECORD VERIF	HKG/JA	
10/27/1988	932	TRF OPER RGTS FILED		
11/17/1988	933	TRF OPER RGTS APPROVED	EFF 11/01/88;	
11/17/1988	974	AUTOMATED RECORD VERIF	RAO/JR	
06/26/1992	899	TRF OF ORR FILED		
12/01/1992	621	RLTY RED-STRIPPER WELL	1.3%:/1/	
02/19/1993	625	RLTY REDUCTION APPV	/1/	
05/21/1993	974	AUTOMATED RECORD VERIF	JDS	
04/02/1997	140	ASGN FILED	AMOCO/ALTURA ENERGY	
04/25/1997	139	ASGN APPROVED	EFF 05/01/97;	
04/25/1997	974	AUTOMATED RECORD VERIF	JLV	

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: 01:00 PM

Page 2 of 10

Run Date: 10/01/2015

09/14/1998	899	TRF OF ORR FILED	
07/19/1999	451	DEFAULT DETERMINED	ROYALTIES:MMS
10/04/1999	453	DEFAULT CORRECTED	ROYALTIES:MMS
10/04/1999	974	AUTOMATED RECORD VERIF	AT
06/12/2000	940	NAME CHANGE RECOGNIZED	ALTURA/OCCIDENTALPER
09/05/2000	932	TRF OPER RGTS FILED	OCCIDENTAL/SF SNYDER
11/13/2000	933	TRF OPER RGTS APPROVED	EFF 10/01/00;
11/13/2000	974	AUTOMATED RECORD VERIF	MV/MV
03/08/2004	932	TRF OPER RGTS FILED	DEVON FNE/OCCIDENTAL
04/21/2004	933	TRF OPER RGTS APPROVED	EFF 04/01/04;
04/21/2004	974	AUTOMATED RECORD VERIF	ANN
05/10/2004	932	TRF OPER RGTS FILED	R WESTALL/OG I.I.C
06/18/2004	933	TRF OPER RGTS APPROVED	EFF 06/01/04;
06/18/2004	974	AUTOMATED RECORD VERIF	LR
02/17/2006	932	TRF OPER RGTS FILED	OCCIDENTA/PITCH ENE;1
04/10/2006	933	TRF OPER RGTS APPROVED	EFF 03/01/06;
04/10/2006	974	AUTOMATED RECORD VERIF	MV
08/11/2006	932	TRF OPER RGTS FILED	PITCH ENE/LYNX PETR;1
09/21/2006	933	TRF OPER RGTS APPROVED	EFF 09/01/06;
09/21/2006	974	AUTOMATED RECORD VERIF	MV
12/15/2008	932	TRF OPER RGTS FILED	WESTALL O/TRITEX EN;1
01/20/2009	899	TRF OF ORR FILED	1
03/10/2009	933	TRF OPER RGTS APPROVED	EFF 01/01/09;
03/10/2009	974	AUTOMATED RECORD VERIF	MV
06/03/2010	940	NAME CHANGE RECOGNIZED	TRITEX/ENDURANCE
04/18/2011	932	TRF OPER RGTS FILED	MARBOB EN/COG OPERA;1
06/24/2011	933	TRF OPER RGTS APPROVED	EFF: 05/01/2011;
06/24/2011	974	AUTOMATED RECORD VERIF	MJD
01/02/2013	932	TRF OPER RGTS FILED	TRITEX EN/ENDURANCE:1
07/18/2013	933	TRF OPER RGTS APPROVED	EFF 02/01/13;
07/18/2013	974	AUTOMATED RECORD VERIF	ANN
04/24/2014	932	TRF OPER RGTS FILED	ENDURANCE/WESTALL O;1
05/27/2014	933	TRF OPER RGTS APPROVED	EFF 05/01/14;
05/27/2014	974	AUTOMATED RECORD VERIF	JS

Serial Number: NMNM-- - 033953

Line Nr	Remarks
0002	-
0003	LYNX PETRO CONSULTANTS BONDED LESSEE NM1694/SW
0004	06/24/2011 - OPERATOR BONDED - COG OPERATING
0005	07/18/2013 - OPERATOR BONDED
0006	ENDURANCE RESOURCES LLC - NMB000640 - S/W;
0007	05/27/2014 - RAY WESTALL OPERATING INC. - NM0322 SW

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

Run Time: 01:00 PM

Page 3 of 10

Run Date: 10/01/2015

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 920.000
Serial Number NMNM-- - 082902

Name & Address		Serial Number: NMNM-- - 082902		Int Rel	% Interest
ABO PETRO CORP	105 S 4TH ST	ARTESIA NM 88210	LESSEE	10.000000000	
MYCO INDUSTRIES INC	105 S 4TH ST	ARTESIA NM 88210	LESSEE	10.000000000	
OXY Y-1 COMPANY	PO BOX 27570	HOUSTON TX 772277570	LESSEE	10.000000000	
YATES PETRO CORP	105 S 4TH ST	ARTESIA NM 88210	LESSEE	70.000000000	

				Serial Number: NMNM-- - 082902				
Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0190S	0310E	008	ALIQ	E2,E2NW,SWNW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0190S	0310E	009	ALIQ	NE,E2NW,SW,W2SE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

				Serial Number: NMNM-- - 082902	
Act Date	Code	Action	Action Remark	Pending Office	
08/15/1989	387	CASE ESTABLISHED	PARCEL #133		
08/16/1989	191	SALE HELD			
08/16/1989	267	BID RECEIVED	\$147200.00;		
08/16/1989	392	MONIES RECEIVED	\$147200.00;		
08/17/1989	111	RENTAL RECEIVED	\$1380.00;1YR/89-90		
10/12/1989	237	LEASE ISSUED			
10/12/1989	974	AUTOMATED RECORD VERIF	SSP/LBO		
11/01/1989	496	FUND CODE	05:145003		
11/01/1989	530	RLTY RATE - 12 1/2%			
11/01/1989	868	EFFECTIVE DATE			
11/09/1989	111	RENTAL RECEIVED	\$1380.00;21/003570687		
12/04/1989	238	LEASE MODIFIED-AMENDED	LAND DESCRIPTION;		
02/14/1990	600	RECORDS NOTED			
09/12/1990	111	RENTAL RECEIVED	\$1380.00;21/27441		
09/12/1991	111	RENTAL RECEIVED	\$1380.00;21/34004		
09/04/1992	111	RENTAL RECEIVED	\$1380.00;21/41187		
05/05/1993	909	BOND ACCEPTED	EFF 04/22/93;NM2166		
10/24/1994	084	RENTAL RECEIVED BY ONRR	\$1840.00;21/000000024		
10/31/1994	235	EXTENDED	THRU 10/31/96;		
12/10/1994	650	HELD BY PROD - ACTUAL	/1/		
01/11/1995	974	AUTOMATED RECORD VERIF	JLV		
09/14/1995	084	RENTAL RECEIVED BY ONRR	\$1840.00;21/000000065		
10/16/1996	643	PRODUCTION DETERMINATION	/1/		
10/16/1996	658	MEMO OF 1ST PROD-ACTUAL	/1/DOMINO AOJ FED 2;		
01/23/1998	575	APD FILED			
02/19/1998	576	APD APPROVED	#3 DOMINO AOJ FED COM		
11/01/1998	246	LEASE COMMITTED TO CA	NMNM101355;		
04/19/2005	626	RLTY REDUCTION DENIED			
05/11/2005	974	AUTOMATED RECORD VERIF	BCO		
08/12/2010	246	LEASE COMMITTED TO CA	NMNM125005;		
05/12/2011	940	NAME CHANGE RECOGNIZED	YATES DRL CO/OXY Y-1		
07/01/2011	246	LEASE COMMITTED TO CA	NMNM127354;		

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: 01:00 PM

Page 4 of 10

Run Date: 10/01/2015

07/21/2011	246	LEASE COMMITTED TO CA	NMNM128078;
08/16/2011	643	PRODUCTION DETERMINATION	/2/
08/16/2011	658	MEMO OF 1ST PROD-ACTUAL	/2/NMNM127354;
02/22/2012	246	LEASE COMMITTED TO CA	NMNM128889;
07/15/2013	246	LEASE COMMITTED TO CA	NMNM133035;
07/29/2014	643	PRODUCTION DETERMINATION	/3/
07/29/2014	658	MEMO OF 1ST PROD-ACTUAL	/3/NMNM133035;
09/02/2014	974	AUTOMATED RECORD VERIF	BTM

Serial Number: NMNM-- - 082902

Line Nr	Remarks
---------	---------

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

Run Time: 01:00 PM

Page 7 of 10

Run Date: 10/01/2015

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-- - 098186

Name & Address			Serial Number: NMNM-- - 098186	Int Rel	% Interest
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 797014882	LESSEE	0.000000000	
DEVON ENERGY PROD CO LP	333 W SHERIDAN AVE	OKLAHOMA CITY OK 731025010	LESSEE	0.000000000	
MCCOMBS ENERGY LTD	5599 SAN FELIPE ST # 1220	HOUSTON TX 770562724	LESSEE	0.000000000	

Serial Number: NMNM-- - 098186								
Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0190S	0310E	010	ALIQ	W2NE,NW,NESW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0190S	0310E	015	ALIQ	SWNE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 098186				
Act Date	Code	Action	Action Remark	Pending Office
01/14/1997	387	CASE ESTABLISHED	9701059	
01/15/1997	191	SALE HELD		
01/15/1997	267	BID RECEIVED	\$163200.00;	
01/15/1997	392	MONIES RECEIVED	\$640.00;	
01/29/1997	392	MONIES RECEIVED	\$162560.00;	
02/04/1997	237	LEASE ISSUED		
02/04/1997	974	AUTOMATED RECORD VERIF	GSB	
02/11/1997	600	RECORDS NOTED		
02/12/1997	600	RECORDS NOTED		
03/01/1997	496	FUND CODE	05;145003	
03/01/1997	530	RLTY RATE - 12 1/2%		
03/01/1997	868	EFFECTIVE DATE		
03/03/1997	084	RENTAL RECEIVED BY ONRR	\$480.00;11/MULTIPLE	
06/26/1997	963	CASE MICROFILMED/SCANNED		
01/21/1998	084	RENTAL RECEIVED BY ONRR	\$480.00;21/0000000103	
01/25/1999	899	TRF OF ORR FILED		
01/26/1999	084	RENTAL RECEIVED BY ONRR	\$480.00;21/0000000039	
02/10/1999	140	ASGN FILED	PENWELL/CONCHO	
02/25/1999	139	ASGN APPROVED	EFF 03/01/99;	
02/25/1999	974	AUTOMATED RECORD VERIF	JLV	
02/07/2000	084	RENTAL RECEIVED BY ONRR	\$480.00;21/117	
02/12/2001	084	RENTAL RECEIVED BY ONRR	\$480.00;21/206	
08/16/2001	817	MERGER RECOGNIZED	CONCHO RES/DEVON ENE	
12/20/2006	246	LEASE COMMITTED TO CA	NMNM117808	
05/08/2007	140	ASGN FILED	DEVON ENE/MCOMBS EN;1	
07/24/2007	660	MEMO OF 1ST PROD-ALLOC	/1/NMNM 117808;	
08/31/2007	140	ASGN FILED	DEVON ENE/COG OIL &;1	
08/31/2007	140	ASGN FILED	DEVON ENE/COG OIL &;2	
10/05/2007	643	PRODUCTION DETERMINATION	/1/	
10/05/2007	974	AUTOMATED RECORD VERIF	DRG	
10/19/2007	139	ASGN APPROVED	01EFF 09/01/07;	
10/19/2007	139	ASGN APPROVED	02 EFF 09/01/07;	
10/19/2007	139	ASGN APPROVED	EFF 06/01/07;	

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

Run Time: 01:00 PM

Page 8 of 10

Run Date: 10/01/2015

10/19/2007	974	AUTOMATED RECORD VERIF	MV
11/27/2007	235	EXTENDED	THRU 02/28/09;
11/27/2007	974	AUTOMATED RECORD VERIF	LR
05/31/2008	235	EXTENDED	THRU 05/31/2010;
05/31/2008	522	CA TERMINATED	NMNM117808;
08/01/2008	246	LEASE COMMITTED TO CA	NMNM121847;
03/17/2010	940	NAME CHANGE RECOGNIZED	COG O&G/COG OPER
12/01/2011	974	AUTOMATED RECORD VERIF	MJD
05/22/2013	246	LEASE COMMITTED TO CA	NMNM131807;
05/22/2013	660	MEMO OF 1ST PROD-ALLOC	/2/NMNM131807;
01/09/2014	643	PRODUCTION DETERMINATION	/2/
12/15/2014	246	LEASE COMMITTED TO CA	NMNM134734;
12/23/2014	650	HELD BY PROD - ACTUAL	/3/
12/23/2014	658	MEMO OF 1ST PROD-ACTUAL	/3/NMNM134734;
07/02/2015	643	PRODUCTION DETERMINATION	/3/

Serial Number: NMNM-- - 098186

Line Nr	Remarks	
0002	T. 19 S., R. 31 E, NMPM	
0003	CURRENT RECORD TITLE OWNERS	
0004	SEC. 010; NW, W2NE;	
0005	DEVON ENERGY PROD CO. LP	80%
0006	COG OIL & GAS LP	20%
0007	SEC. 010; NESW;	
0008	DEVON ENERGY PROD CO LP	100.00%
0009	SEC. 15; SWNE;	
0010	DEVON ENERGY PROD CO LP	60%
0011	MCCOMBS ENERGY LLC	25%
0012	COG OIL & GAS LP	15%

County: Eddy - 015

BLM Field Office: Carlsbad

BUREAU OF LAND MANAGEMENT
STATUS OF PUBLIC DOMAIN
LAND AND MINERALS

T195 R31E

Entire Township Included
EO 12812M 1 Pot Res 8 (3/11/1928)
Designated Pot Area SO 10/7/1975 (Partial)
Cl of Public Lands NM 0660202 (Cl No 80-06-03)

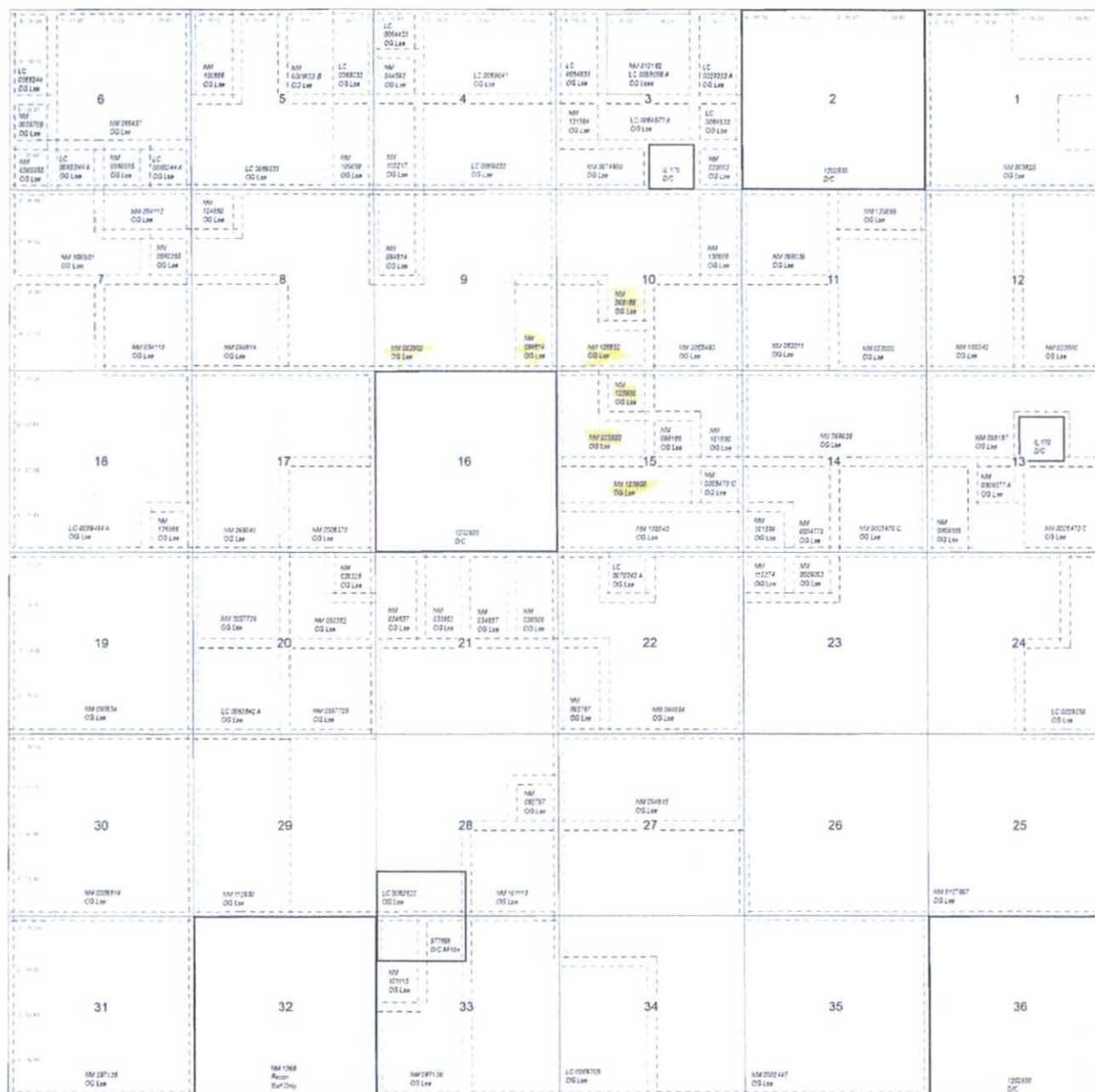
UNITIZATION AGREEMENTS

Big Eddy UA
NM 068294X
Culwin Queen UA
NM 070920X
East Shugart UA
NM 070042X
Greenwood Fire-Grig UA
NM 070850X

COMMUNITIZATION AGREEMENTS

[illegible]

NOTE: The Serial Numbers displayed are in the Bureau's LR2000 system format.
 If there is a zero in the 7th position (from the right), the serial number has a "prefix" zero.
 example NM 0012345
 If there is not a zero in the 7th position (from the right) then the serial number does not have a "prefix" zero.
 example NM 112345



1 inch = 30 chains

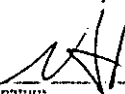
CAVEAT STATEMENT

CAVEAT STATEMENT
This plat is the Bureau's Record of Title, and should be used only as a graphic display of the township survey data. Records herein do not reflect title changes which may have been affected by lateral movements of rivers or other bodies of water. Refer to the

T 19 S
R 31 E
NMPM

OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or released 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 mineral or working interest, or in a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.


Signature _____ Date 10-14-15

Stephen L. Patee
Printed Name


Steve@lanquist.com
E-mail Address

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.

OCTOBER 6, 2015

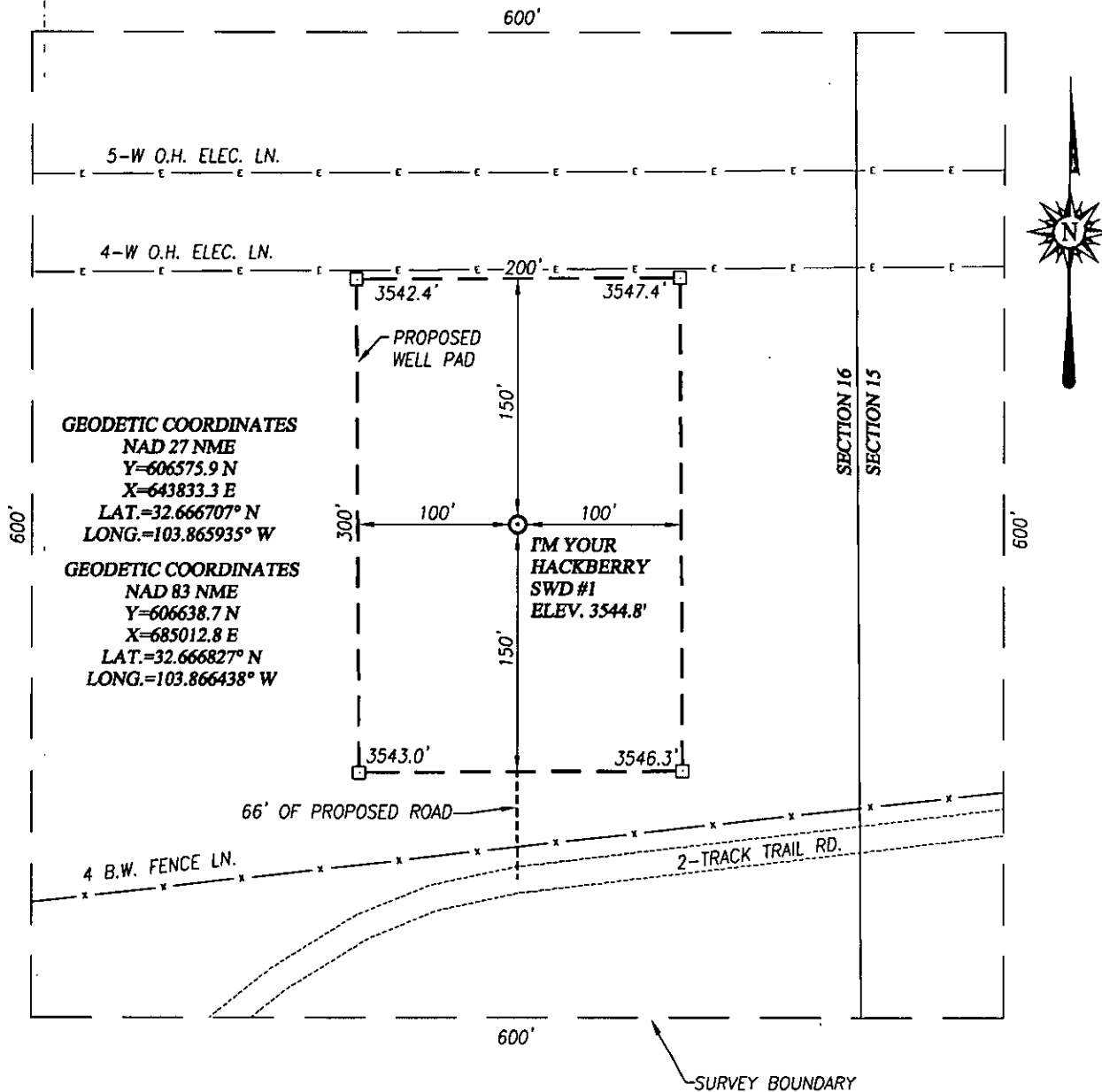
Date of Survey _____
Signature & Seal of Professional Surveyor _____



Gary G. Eidson 10/13/15
Certificate Number _____ Gary G. Eidson 12641
Professional J. Eidson 3239

ACK JWSC W.O. 15.11.0955

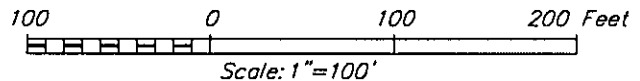
WELL SITE PLAN



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

DIRECTIONS TO I'M YOUR HACKBERRY SWD #1:

FROM THE INTERSECTION OF ST. HWY. 82 AND CO. RD. 222
(SHUGART), GO SOUTH ON CO. RD. 222 APPROX. 10.6 MILES.
TURN RIGHT AND GO WEST ON OLD 2-TRACK ROAD APPROX.
0.4 MILES TO PROPOSED ROAD SURVEY. FOLLOW STAKED ROAD
NORTH 216 FEET TO THE LOCATION.



OILFIELD WATER LOGISTICS

I'M YOUR HACKBERRY SWD #1 WELL
LOCATED 320 FEET FROM THE NORTH LINE
AND 210 FEET FROM THE EAST LINE OF SECTION 16,
TOWNSHIP 19 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



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

Survey Date: 10/6/15	CAD Date: 10/9/15	Drawn By: ACK
W.O. No.: 15110955	Rev: .	Rel. W.O.: Sheet 1 of 1

VICINITY MAP



SCALE: 1" = 2 MILES

DRIVING ROUTE: SEE TOPOGRAPHICAL AND ACCESS ROAD MAP

SEC. 16 TWP. 19-S RGE. 31-E

SURVEY _____ N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 320' FNL & 210' FEL

ELEVATION 3545'

OPERATOR OILFIELD WATER LOGISTICS

LEASE I'M YOUR HACKBERRY SWD



PROVIDING SURVEYING SERVICES
SINCE 1946

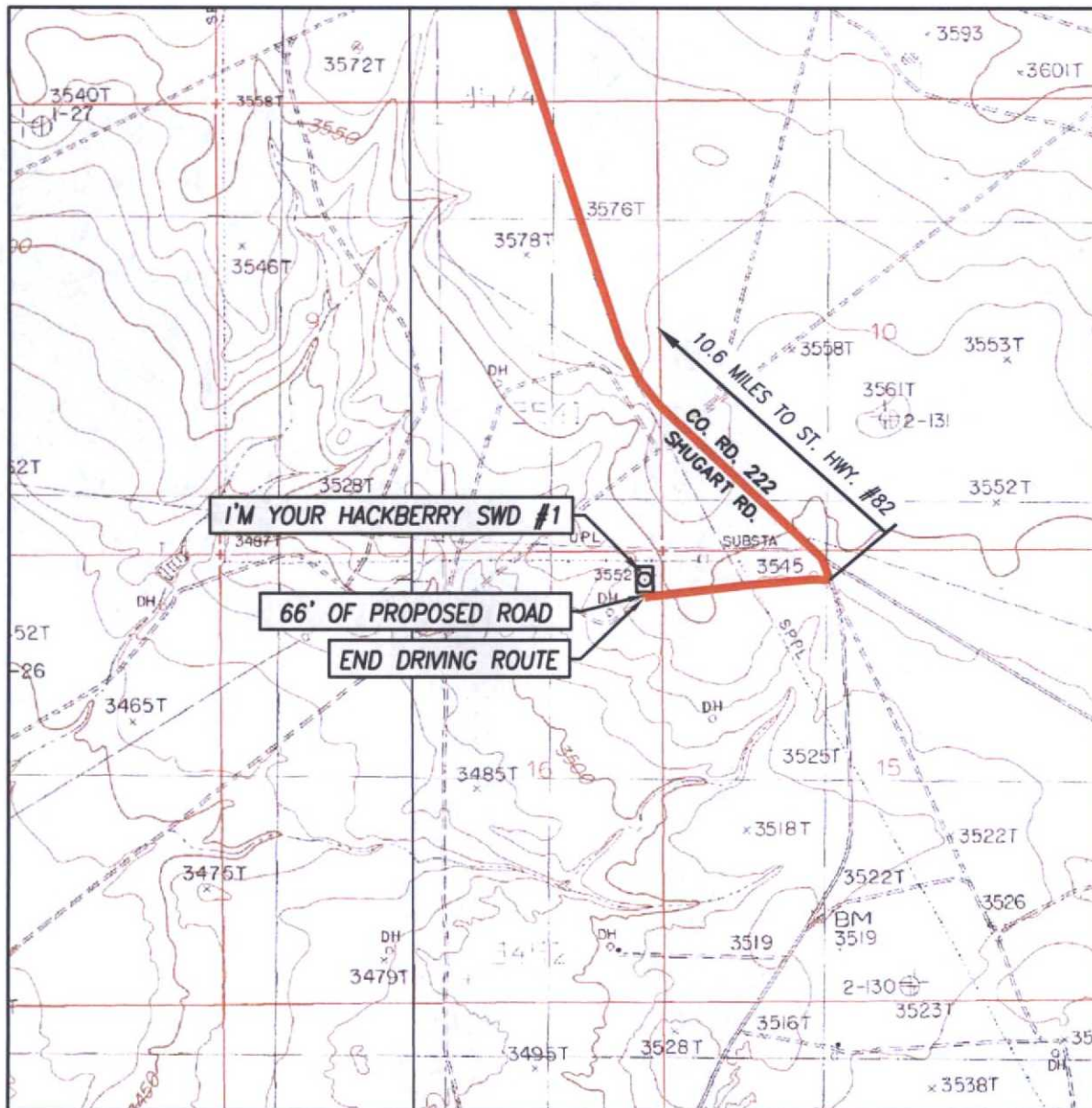
JOHN WEST SURVEYING COMPANY

412 N. DAL PASO HOBBS, N.M. 88240

(575) 393-3117 www.jwsc.biz

TBPLS# 10021000

TOPOGRAPHICAL AND ACCESS ROAD MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
HACKBERRY LAKE, N.M. - 10'
GREENWOOD LAKE, N.M. - 10'

SEC. 16 TWP. 19-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 320' FNL & 210' FEL

ELEVATION 3545'

OPERATOR OILFIELD WATER LOGISTICS

LEASE I'M YOUR HACKBERRY SWD

U.S.G.S. TOPOGRAPHIC MAP
HACKBERRY LAKE, N.M.

DIRECTIONS TO I'M YOUR HACKBERRY SWD #1:

FROM THE INTERSECTION OF ST. HWY. 82 AND CO. RD. 222 (SHUGART), GO SOUTH ON CO. RD. 222 APPROX. 10.6 MILES. TURN RIGHT AND GO WEST ON OLD 2-TRACK ROAD APPROX. 0.4 MILES TO PROPOSED ROAD SURVEY. FOLLOW STAKED ROAD NORTH 216 FEET TO THE LOCATION.



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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 745-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
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 13, 2013

☐ AMENDED REPORT

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

Operator Name and Address OWL SWD Operating, LLC 8214 Westchester Drive, Suite 850, Dallas, Texas 75255		OGRID Number 308339
		API Number 30-025-
Property Code	Property Name F'm Your Hackberry SWD	Well No. 1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	16	19S	31E		320	N	210	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

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

Additional Well Information

Work Type N	Well Type SWD	Cable/Rotary R	Lease Type State	Ground Level Elevation 3,544.8'
Multiple N	Proposed Depth 14,300'	Formation Devonian - Silurian	Contractor TBD	Spud Date ASAP
Depth to Ground water 150'	Distance from nearest fresh water well 3,019'	Distance to nearest surface water 2,163'		

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

21. Proposed Casing and Cement Program

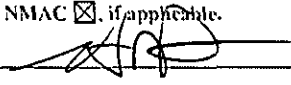
Type	Hole Size	Casing Size	Casing Weight/lb	Setting Depth	Sacks of Cement	Estimated TOC
Surface	24"	20"	106.5 lb/ft	650'	884 sx	Surface
Intermediate 1	17.500"	13.625"	88.2 lb/ft	5,100'	3,876 sx	Surface
Intermediate 2	12.250"	9.625"	47 lb/ft	9,500'	1,990 sx	Surface
Liner	8.500"	7"	32 lb/ft	9,300' - 13,300'	615 sx	9,300'

Casing/Cement Program: Additional Comments

See attached schematic.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/ Blinds, Pipe	10,000 psi	10,000 psi	Cameron

<p>23. 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: </p> <p>Printed name: Stephen L. Pattee</p> <p>Title: Consulting Engineer - Agent for OWL</p> <p>E-mail Address: steve@lonquist.com</p> <p>Date: 10-14-15</p>	OIL CONSERVATION DIVISION	
	Approved By:	
	Title:	
	Approved Date:	Expiration Date:
	Conditions of Approval Attached	

LONQUIST & CO. LLC

AUSTIN
HOUSTON

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

WICHITA
CALGARY

www.lonquist.com

October 14, 2015

RECEIVED OCD
2015 OCT 19 P 3:11

New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division District IV
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
(505) 476-3440

Subject: I'm Your Hackberry SWD No. 1 Authorization to Inject

To whom it concerns:

Attached for your review is Form C-108, Application for Authorization to Inject, and its supplemental documents prepared for OWL SWD Operating, LLC's I'm Your Hackberry SWD No. 1. In addition, Form C-101, Application for Permit to Drill, and Form C-102, Well Location and Acreage Dedication Plat, have been included with this package. Notices have been sent to offset leaseholders and the surface owner. Proof of notice will be sent to the OCD upon receipt.

Any questions should be directed towards OWL SWD Operating, LLC's agent Lonquist & Co., LLC.

Regards,



Stephen L. Pattee

Manager of Regulatory Affairs

(512) 600-1774

steve@lonquist.com

LONQUIST & CO. LLC

AUSTIN
HOUSTON

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

www.lonquist.com

RECEIVED OCD
WICHITA
CALGARY
2015 NOV -2 P 3:18

October 29, 2015

New Mexico Energy, Minerals, and Natural Resources Department

Oil Conservation Division District IV

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

(505) 476-3440

Subject: I'm Your Hackberry SWD No. 1 Proof of Notice

To whom it may concern:

As required by Form C-108, Application for Authorization to Inject, proof of notice for I'm Your Hackberry SWD No. 1 has been attached. Copies of mail receipts for notices sent to offset leaseholders and operators in addition to a copy of the affidavit of publication for the required legal advertisement from the Artesia Daily Press are included to serve as proof of notice. Please direct any questions to OWL SWD Operating's agent Lonquist & Co., LLC at the number below.

Regards,



Stephen L. Pattee

Manager of Regulatory Affairs

512.600.1774

steve@lonquist.com

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee

\$
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postmark
Here

Postage

\$ Total Postage
\$ Sent To New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division District IV
Street and A 1220 South St., Francis Drive
City, State, Z Santa Fe, New Mexico 87505

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee

\$
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postmark
Here

Postage

\$ Total P
\$ Sent To New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division District II
Street 811 South First Street
City, St Artesia, New Mexico 88210

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee

\$
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postmark
Here

Postage

\$ Total Pos
\$ Sent To Agave Energy Company
P. O. Box 158
Street and Artesia, New Mexico 88210-0158

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee

\$
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postmark
Here

Postage

\$ Total
\$ Sent To New Mexico State Land Office
310 Old Santa Fe Trail
City, Santa Fe, New Mexico 87501

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee

\$
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postmark
Here

Postage

\$ Total P
\$ Sent To Yates Petroleum Corporation
105 South 4th Street
City, St Artesia, New Mexico 88210

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee

\$
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postmark
Here

Postage

\$ Total P
\$ Sent To Central Valley Electric Cooperative
P. O. Box 230
Street and 1505 North Thirteenth Street
City, St Artesia, New Mexico 88211

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

7015 0640 0003 1686 5402

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee
\$ _____

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/> Return Receipt (electronic)	\$ _____
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

Postmark
Here

Postage

\$ _____

Total

\$ _____

Sent To

Street

City, State

COG Operating LLC
600 West Illinois Avenue
Midland, Texas 79701

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee
\$ _____

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/> Return Receipt (electronic)	\$ _____
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

Postmark
Here

Postage

\$ _____

Total

\$ _____

Sent To

Street

City, State

G & L Cattle, LLC
23104 CR 19
Springfield, Colorado 81073-9301

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee
\$ _____

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/> Return Receipt (electronic)	\$ _____
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

Postmark
Here

Postage

\$ _____

Total

\$ _____

Sent To

Street

City, State

ABO Petroleum Corporation
105 South 4th Street
Artesia, New Mexico 88210

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7015 0640 0003 1686 5389

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee
\$ _____

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/> Return Receipt (electronic)	\$ _____
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

Postmark
Here

Postage

\$ _____

Total

\$ _____

Sent To

Street

City, State

McCombs Energy LTD
5599 San Felipe Street, Suite 1220
Houston, Texas 77056

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee
\$ _____

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/> Return Receipt (electronic)	\$ _____
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

Postmark
Here

Postage

\$ _____

Total

\$ _____

Sent To

Street

City, State

Devon Energy Production Co., LP
333 West Sheridan Avenue
Oklahoma City, Oklahoma 73102

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee
\$ _____

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/> Return Receipt (electronic)	\$ _____
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

Postmark
Here

Postage

\$ _____

Total

\$ _____

Sent To

Street

City, State

Occidental Permian LP
5 Greenway Plaza, Suite 110
Houston, Texas 77046-0521

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7015 0640 0003 1686 5365

7015 0640 0003 1686 5488

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

For delivery information, visit our website at www.usps.com®

OFFICIAL USE

Certified Mail Fee

\$
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postmark
Here

Postage

\$
Total

Sent To

Street

City, State, ZIP+4®

OXY Y-1 Com

P. O. Box 27570

Houston, Texas 77227-7570

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

7015 0640 0003 1686 5471

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

For delivery information, visit our website at www.usps.com®

OFFICIAL USE

Certified Mail Fee

\$
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postmark
Here

Postage

\$
Total Postage

Sent To

Street and A

City, State, ZIP+4®

MYCO Industries, Inc.

105 South 4th Street

Artesia, New Mexico 88210

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

Affidavit of Publication

No. 23681

State of New Mexico

County of Eddy:

Danny Scott

being duly sworn says that she is the

Publisher

of the Artesia Daily Press, a daily newspaper of General circulation, published in English at Artesia, said county and state, and that the hereto attached

Legal Ad

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for

1 Consecutive weeks/day on the same

day as follows:

First Publication October 28, 2015

Second Publication _____

Third Publication _____

Fourth Publication _____

Fifth Publication _____

Sixth Publication _____

Subscribed and sworn before me this

28th day of October 2015



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2019

Latisha Romine

Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

OWL SWD Operating, LLC, 8214 Westchester Dr., Suite 850, Dallas, Texas 75255, is filing Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division for administrative approval for its salt water disposal well I'm Your Hackberry SWD No. 1. The proposed well will be located 320' FNL & 210' FEL in Section 16, Township 19S, Range 31E in Eddy County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Devonian Formation (determined by offset log analysis) through an open hole completion between a maximum applied for top of 13,300 feet to a maximum depth of 14,300 feet. The maximum surface injection pressure will not exceed 2,660 psi with a maximum rate of 27,500 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.

Published in the Artesia Daily Press, Artesia, N.M., Oct. 28, 2015 Legal No. 23681.

GMT Exploration Company LLC
Pryor DBR Federal-State COM 1H
200' FSL 350' FWL Section 1, T23S, R34E
Lea County, New Mexico

DRILLING PROGRAM

Drilling operations for this well will be conducted in accordance with the Onshore Oil and Gas Order #1, 2, 6 as provided for in 43 CFR 3164.1. This includes the well control equipment and its testing, the mud system and associated equipment, and the casing and cementing.

1. Estimated tops of important geologic markers (Measured Depth):

Ground Level	3366'
Fresh Water	600'
Rustler	1,725'
Salt Top	1,900'
Salt Base/Tansill	3,735'
Yates	3,945'
Capitan Reef Top	4,320'
Delaware Mountain Group	5,305'
Delaware Bell Canyon	5,540'
Delaware Cherry Canyon	6,155'
Delaware Brushy Canyon	7,260'
Lower Brushy Canyon Marker	8,310'
Bone Spring Lime	8,535'
Avalon Shale Top	8,680'
Middle Avalon Shale Top	9,055'
Avalon Carbonate	9,085'
1 st Bone Spring Sand	9,710'
1 st Bone Spring Carbonate	9,940'
2 nd Bone Spring Sand	10,225'
2 nd Bone Spring Carbonate	10,580'
3 rd Bone Spring Sand	11,070'
Actual Target	11,360'
Wolfcamp	11,365'

2. Estimated depths of anticipated water, oil, gas or minerals:

<u>Mineral</u>	<u>Formation</u>	<u>Depth (Measured Depth)</u>
Water		600'
Natural Gas/Oil	Lower Brushy Canyon Marker	8,310'
Natural Gas/Oil	Avalon Shale Top	8,680'
Natural Gas/Oil	Middle Avalon Shale Top	9,055'
Natural Gas/Oil	2 nd Bone Spring Sand	10,225'
Natural Gas/Oil	3 rd Bone Spring Sand	11,070'
Actual Target		11,360'

See
COA

Fresh water: Fresh water aquifers will be protected with surface casing set at ^{2700'}~~1,865'~~. All potentially productive usable water, hydrocarbons, and other mineral zones will be protected with casing and cement.

3. Minimum specifications for pressure control:

The BOP and related equipment will meet or exceed the requirements of a 5M-psi system as set forth in On Shore Order No. 2. See attached BOP Schematic.

See
COA

Interval	Mud Weight PPG	Viscosity SEC	Fluid Loss CC	PH	Remarks
0' - 1,865'	8.4 - 8.8	28 - 36	Natural	8.5-9.5	Fresh Water
1,865' - 5,400'	8.4 - 8.8	26 - 32	No Control	9.0-10.5	Salt Water/Brine
5,400' - 15,645'	9.0 - 11.0	34 - 45	8 - 12	9.0-10.5	LSND/weight nondispersed

Mud tests will be performed at a minimum interval of every 24 hours after mudding up to determine: density, viscosity, filtration, and pH for formation compatibility.

GMT will use fresh water from surface casing total depth and then switch to a brine-based solution of salinity sufficient to be saturated for preventing washout (10#/gal) ($\geq 185,000$ ppm).

Sufficient quantities of mud materials shall be maintained at the well site, at all times, for the purpose of assuring well control.

Drilling of the surface casing will occur with fresh water.

If a temporary surface pipeline is used to transport drilling water, the pipeline shall be laid and removed when the ground surface is dry so as to minimize surface disturbance. No blading or other alteration of the ground surface shall be allowed.

6. Testing, Logging, and Coring Program

Cores-DST's: None anticipated at this time.

Surveys: Inclination only surveys while drilling, directional survey

Mud Logger: Morco Geological Services Leaving intermediate to TD

Logging: Platform Express Intermediate to 15,645'
CMR 8,310 to 15,645'

Stimulation Program:

Evaluate open hole logs to determine interval to perforate. Perforate selected intervals of interest after addressing spacing and commingling considerations. A completion program will be based upon evaluation of the logs and formation parameters.

7. Abnormal Conditions/Expected BHP

- GMT does not expect any temperatures in excess of 200°F or pressures exceeding the normal gradient.

8. Additional Information

- Anticipated starting date based upon approval will be 1/15/2014.
- Duration of the drilling operations will be approximately 45 days.
- This well is a directional well per attached directional plan from Pathfinder. Please refer to Exhibit 2.
- Rat and mouse holes (or any subgrade excavations for drilling operations) shall be filled

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-0720

District III
1000 Rio Brazos Road, Aztec, NM 87410
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

¹ Operator Name and Address OWL SWD Operating, LLC 8214 Westchester Drive, Suite 850, Dallas, Texas 75255		² OGRID Number 308339
³ Property Code		⁴ API Number 30-025-
⁵ Property Name I'm Your Hackberry SWD		⁶ Well No. 1

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	16	19S	31E		320	N	210	E	Eddy

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

⁹ Pool Information

Pool Name	Pool Code
SWD; Devonian - Silurian	97869

Additional Well Information

¹¹ Work Type N	¹² Well Type SWD	¹³ Cable/Rotary R	¹⁴ Lease Type State	¹⁵ Ground Level Elevation 3,544.8'
¹⁶ Multiple N	¹⁷ Proposed Depth 14,300'	¹⁸ Formation Devonian - Silurian	¹⁹ Contractor TBD	²⁰ Spud Date ASAP
Depth to Ground water 150'		Distance from nearest fresh water well 3,019'		Distance to nearest surface water 2,163'

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

²¹ Proposed Casing and Cement Program

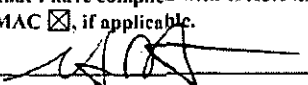
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	24"	20"	106.5 lb/ft	650'	912 sx	Surface
Intermediate 1	17.500"	13.625"	88.2 lb/ft	5,100'	3,867 sx	Surface
Intermediate 2	12.250"	9.625"	47 lb/ft	9,500'	2,729 sx	Surface
Liner	8.500"	7"	32 lb/ft	9,300' - 13,300'	613 sx	9,300'

Casing/Cement Program: Additional Comments

See attached schematic.

²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/ Blinds, Pipe	10,000 psi	10,000 psi	Cameron

²³ 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:  Printed name: Stephen L. Pattee Title: Consulting Engineer - Agent for OWL E-mail Address: steve@lonquist.com Date:	OIL CONSERVATION DIVISION	
	Approved By:	
	Title:	
	Approved Date:	Expiration Date:
	Conditions of Approval Attached	

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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



C-108 Review Checklist:

Received 10/23

Add. Request:

Reply Date:

Suspended:

[Ver 15]

ORDER TYPE: WFX / PMX / SWD Number:

Order Date:

Legacy Permits/Orders:

Well No. 1 Well Name(s): Im your Hackberry SWDAPI: 30-0 15-Pending Spud Date: TB12 New or Old: N (UIC Class II Primacy 03/07/1982)Footages 320FNL, 210FEL Lot A or Unit A Sec 16 Tsp 14S Rge 81E County BddyGeneral Location: 2 1/4 miles S/444th Ave Pool: SWD, Devonian-Silur Pool No.: 97869BLM 100K Map: 110665 Operator: Open Mining, LLC OGRID: 308339 Contact: Puttoci agentCOMPLIANCE RULE 5.9: Total Wells: 14 Inactive: 2 Fincl Assur: Y Compl. Order? NA IS 5.9 OK? Y Date: 10/20/16WELL FILE REVIEWED ☐ Current Status: ProposedWELL DIAGRAMS: NEW: Proposed ☒ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: _____Planned Rehab Work to Well: * C-B-L 4 1/2" -> Surface

Well Construction Details

	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	24"/30"	650	Stage Tool	9 # 2
Planned ___ or Existing ___ Interm/Prod	12 5/8"/13 1/8"	5100		3 # 6 7
Planned ___ or Existing ___ Interm/Prod	12 1/4"/9 5/8"	9500	5400	2 7/2 9
Planned ___ or Existing ___ Prod/Liner				
Planned ___ or Existing ___ (Liner)	8 1/2"/7"	13300		613
Planned ___ or Existing ___ <u>OH/PERF</u>	13300/14000		Inj Length	9300*

Completion/Operation Details:

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops	Drilled TD	PBTD
Adjacent Unit: Litho. Struc. Por.		DU	13287	NEW TD	NEW PBTD
Confining Unit: Litho. Struc. Por.		WD	13144	NEW Open Hole <input checked="" type="radio"/> or NEW Perfs <input type="radio"/>	
Proposed Inj Interval TOP:	13300			Tubing Size	in. Inter Coated?
Proposed Inj Interval BOTTOM:				Proposed Packer Depth	13300 ft
Confining Unit: Litho. Struc. Por.				Min. Packer Depth	13200 (100-ft limit)
Adjacent Unit: Litho. Struc. Por.				Proposed Max. Surface Press.	2660 psi
				Admin. Inj. Press.	2660 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P NA Noticed? ☐ BLM Sec Ord ☐ WIPP ☐ Noticed? ☐ Salt/Salado T: B: NW: Cliff House fm

FRESH WATER: Aquifer NA Max Depth _____ HYDRO AFFIRM STATEMENT By Qualified Person ☐

NMOSE Basin: Capitan CAPITAN REEF: thru Delaware, Bonc adj NA No. Wells within 1-Mile Radius? 1 FW Analysis N/A

Disposal Fluid: Formation Source(s) Spring, St. Louis, W. Kansas Analysis? Y On Lease ☐ Operator Only ☐ or Commercial ☐

Disposal Int: Inject Rate (Avg/Max BWPD): 204/271 Protectable Waters? Y Source: Capitan System: Closed or Open Del. well self-injection

HC Potential: Producing Interval? NA Formerly Producing? ☐ Method: Logs/DST/P&A/Other SWD 2-Mile Radius Pool Map ☒

AOR Wells: 1/2-M Radius Map? Y Well List? _____ Total No. Wells Penetrating Interval: _____ Horizontals? _____Penetrating Wells: No. Active Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____Penetrating Wells: No. P&A Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____NOTICE: Newspaper Date 10-28-15 Mineral Owner NMSLO Surface Owner NMSLO N. Date 1074RULE 26.7(A): Identified Tracts? Y Affected Persons: Devon, Yates, Oxy N. Date 10-24Order Conditions: Issues: Protect Capitan when drillingAdd Order Cond: H2O based mud thru Capitan Reef