

10/12/15 - Notice Filed

10/23/2015 DATE IN	SUSPENSE	DRG ENGINEER	10/23/2015 LOGGED IN	SWD TYPE	PMAM1529638790 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

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

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

Check One Only for [B] or [C]

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

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

[D] Other: Specify _____

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

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

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

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

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

Stephen L. Pattee
Print or Type Name

[Signature]
Signature

Consulting Engineer - Agent for OWI
Title

10-14-15
Date

steve@longquist.com
e-mail Address

- SWD 4611
 - OWI SWD operating LLC
 308339

- well
 - I'm your Hackberry
 SWD #1

30-015 - Pending
 Pool

- SWD, Devonian
 S. Luni An
 9610197689

2015 OCT 23 11:00
 RECEIVED OGD

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

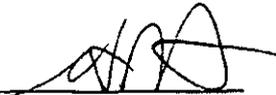
There are no logs or test data on the well. During the process of drilling and completion resistivity, gamma ray, and density logs will be run.

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, LLC

WELL NAME & NUMBER: I'm Your Hackberry SWD No. 1

WELL LOCATION: 320' FNL & 210' FEL
FOOTAGE LOCATION

A
UNIT LETTER

16
SECTION

19S
TOWNSHIP

31E
RANGE

WELLBORE SCHEMATIC

See attached.

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 24"

Casing Size: 20"

Cemented with: 912 sx. (100% Excess)

or 624 ft³

Top of Cement: Surface

Method Determined: Circulation

Intermediate I Casing

Hole Size: 17.500"

Casing Size: 13.625"

Cemented with: 3,867 sx. (100% Excess)

or 3,549 ft³

Top of Cement: Surface

Method Determined: Circulation

Intermediate II Casing

Hole Size: 12.250"

Casing Size: 9.625"

Cemented with: 2,729 sx. (50% Excess)

or 3,061 ft³

Top of Cement: Surface

Method 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'

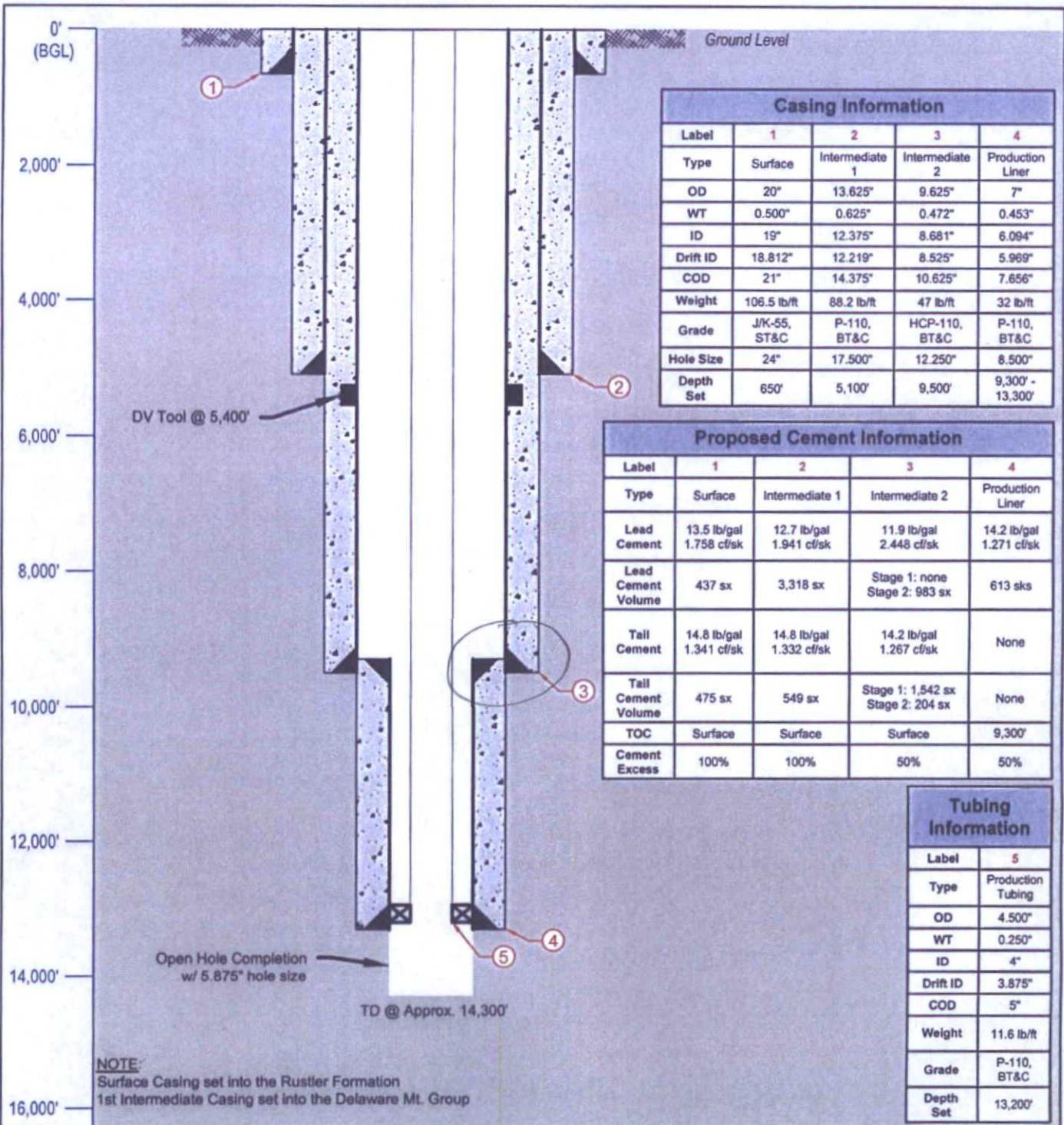
Method Determined: Logging

Total Depth: 14,300'

Injection Interval

13,300 feet to 14,300 feet

(Perforated or Open Hole; indicate which)



Casing Information				
Label	1	2	3	4
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 lb/ft	88.2 lb/ft	47 lb/ft	32 lb/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'

Proposed Cement Information				
Label	1	2	3	4
Type	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 sks
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
TOC	Surface	Surface	Surface	9,300'
Cement Excess	100%	100%	50%	50%

Tubing Information	
Label	5
Type	Production Tubing
OD	4.500"
WT	0.250"
ID	4"
Drift ID	3.875"
COD	5"
Weight	11.6 lb/ft
Grade	P-110, BT&C
Depth Set	13,200'

LONQUIST & CO. LLC PETROLEUM ENGINEERS ENERGY ADVISORS AUSTIN HOUSTON WICHITA CALGARY	OWL SWD Operating, Inc	I'm Your Hackberry SWD No. 1	
	Country: USA	State/Province: New Mexico	County/Parish: Eddy
Survey/STR: J-16-19S-31E	API No.: 30-015-TBD	Site:	Status: To Be Drilled
Texas License F-8952	State ID No.:	Field:	Ground Elevation:
3345 Bee Cave Road, Suite 201 Austin, Texas 78746 Tel: 512.732.9812 Fax: 512.732.9816	Drawn: MMC	Project No:	Date: 1/14/2016
Rev No: 1	Reviewed: SLP	Approved: SLP	Notes: Devonian completion with 4-1/2" Injection Tubing.

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:

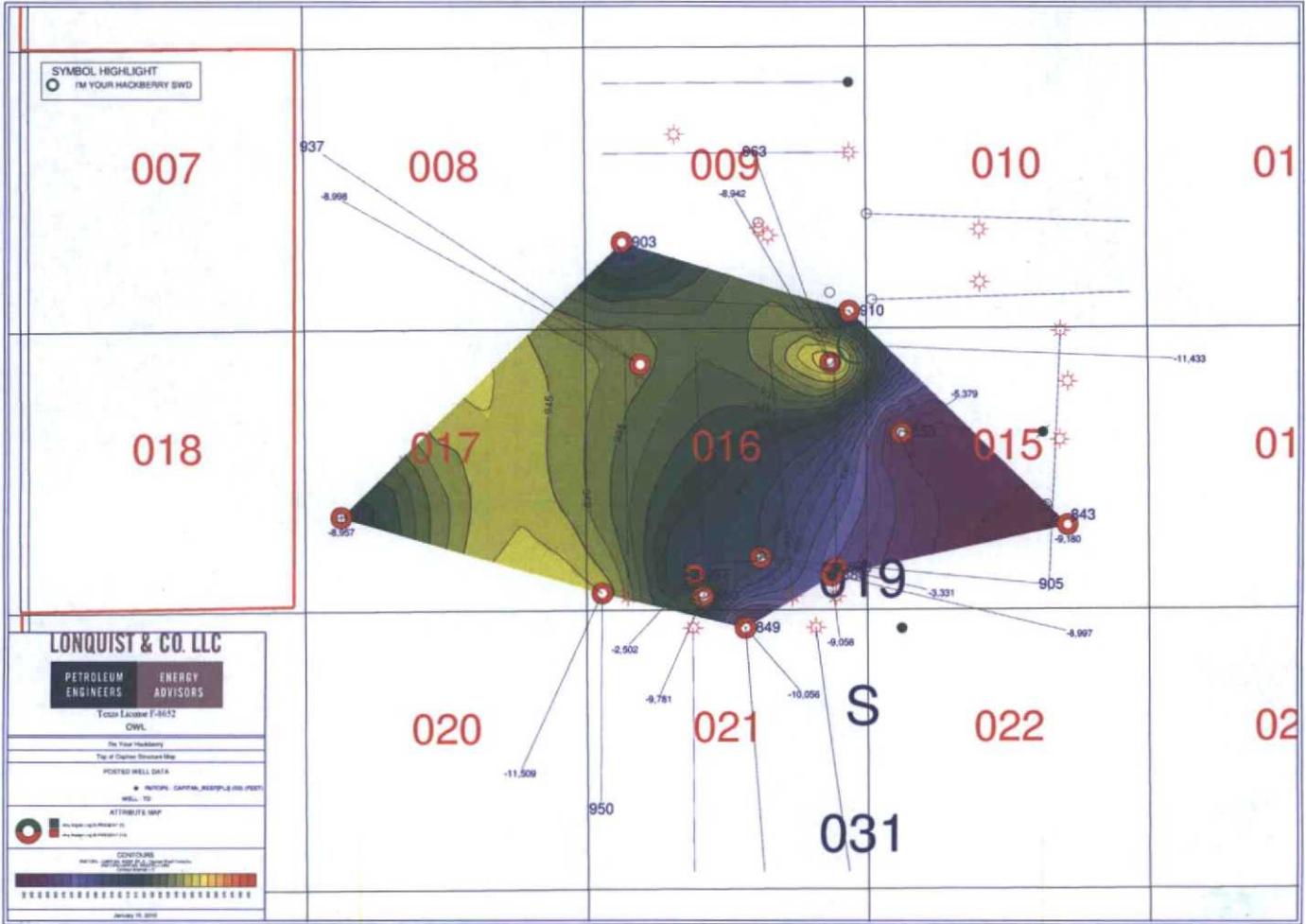
Average Injection Pressure: 2,600 PSI (surface pressure)
Maximum Injection Pressure: 2,660 PSI (surface pressure)

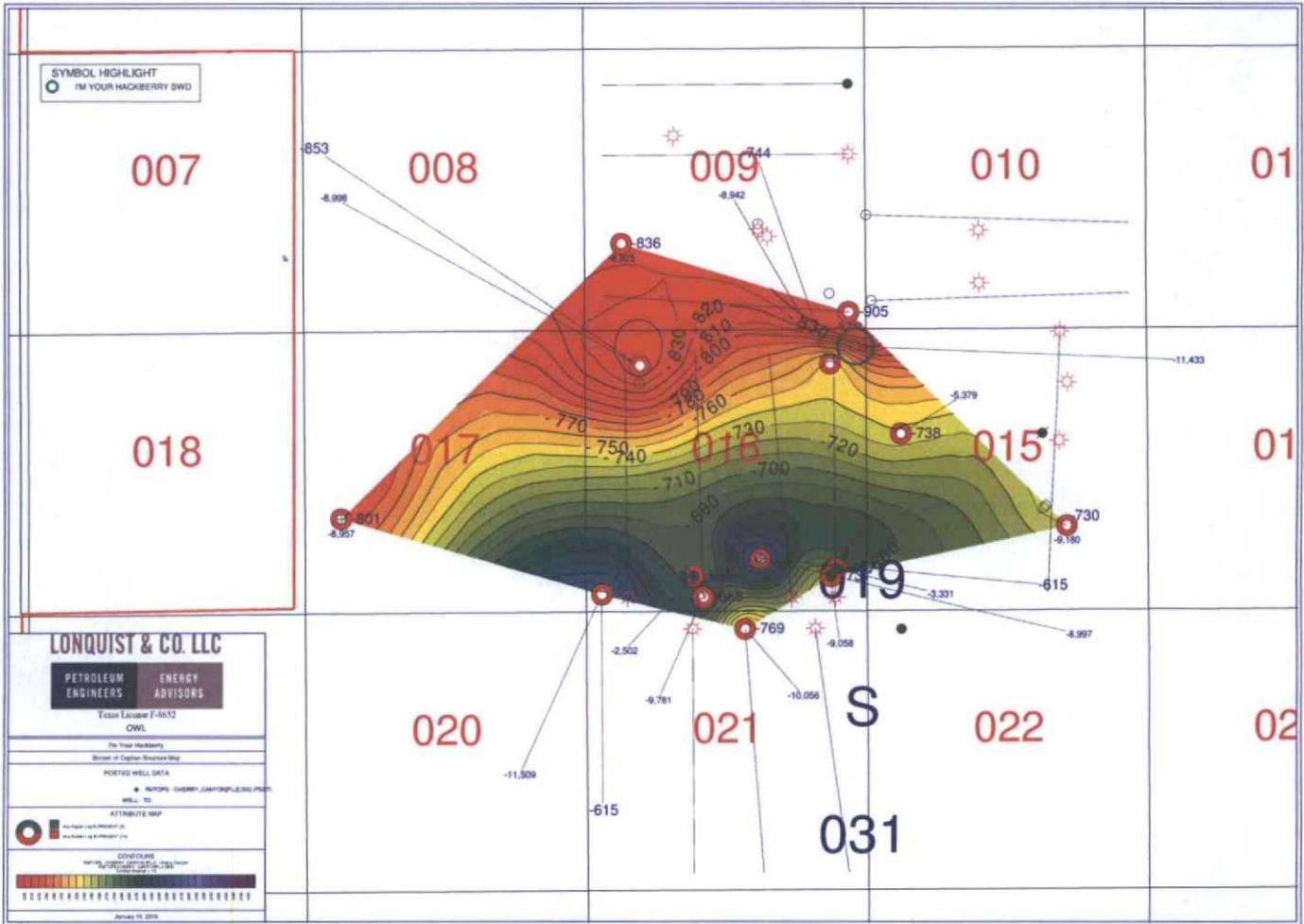
4. The injection fluid is to be locally produced water. Attached are produced water sample analyses taken from the closest wells that feature samples from the Delaware, Bone Spring, Morrow, Strawn, Artesia, and Devonian formations.

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.





SYMBOL HIGHLIGHT
 ○ IM YOUR HACKBERRY BWD

007

008

009

010

011

018

017

016

015

014

LONQUIST & CO. LLC
 PETROLEUM ENGINEERS ENERGY ADVISORS
 Texas License F-5652
 OWL
 In Your Handwriting
 Broker of Oil/Gas Royalties/Leases
 POCKETED WELL DATA
 * NATURAL GAS/PROPANE/LEASING PROPS
 ATTACHED MAP
 CONTOURS
 January 19, 2019

020

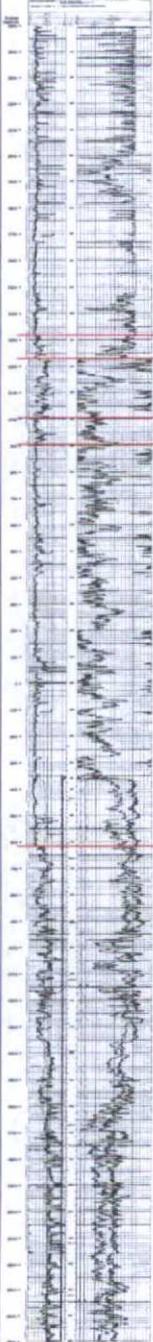
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30-015-34390
TOP DOLLAR STATE COM 001
TD: 12.500
ELEV KB: 3.503



30-015-34390
TOP DOLLAR STATE COM 001
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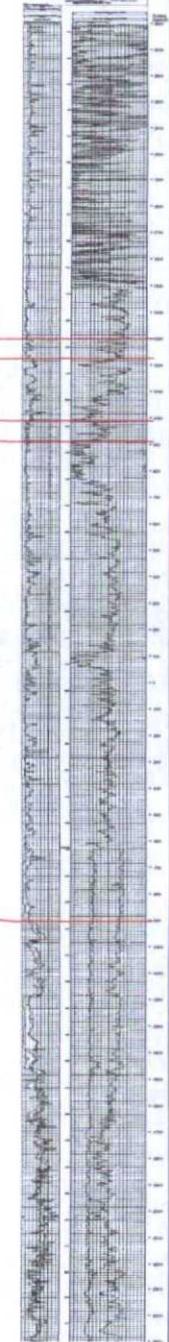
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RUDOLPH ATX STATE 001
TD: 12.481
ELEV KB: 3.549



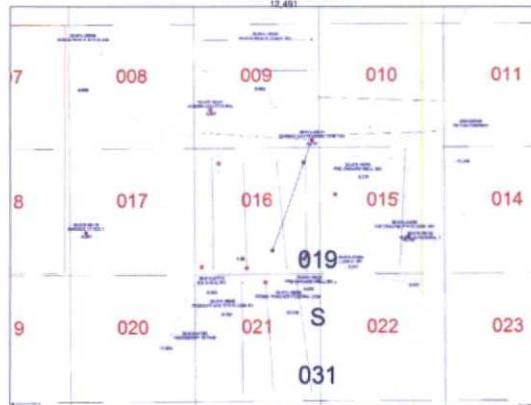
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30-015-99544
DOMINO ADJ FEDERAL COM 13H
TD: 13.305
ELEV KB: 3.568



30-015-99544
DOMINO ADJ 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	3001505774	Sample Number	
Unit/Section/ Township/Range	R/21/19S/31E	Field	
County	Eddy	Formation	ARTESIA
State	NM	Depth	1
Lat/Long	32 84359 -103.65684	Sample Source	UNKNOWN
TDS (mg/L)	18119	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 ₄)	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	3001510045	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)	3654
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 715 / 19S / 31E	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)	8/10/2009 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)	6567	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	3002500625	Sample Number	
Unit/Section/Township/Range	N129119S732E	Field	LUSK WEST
County	Lea	Formation	DEL
State	NM	Depth	
Lat/Long	32.63297, -103.78142	Sample Source	OS1
TDS (mg/L)	2304	Water Type	
Sample Date(MM/DD/YYYY)		Analysis Date(MM/DD/YYYY)	
Remarks/Description			
	Carbon Information (mg/L)		Anion Information (mg/L)
Potassium (K)		Sulfate (SO)	565
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 / 19S / 31E	Field	
County	Eddy	Formation	B SPG
State	NM	Depth	
Lat/Long	32.91900, -103.91318	Sample Source	BALER
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)	4673
Sodium (Na)		Chloride (Cl)	107300
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

Z-7

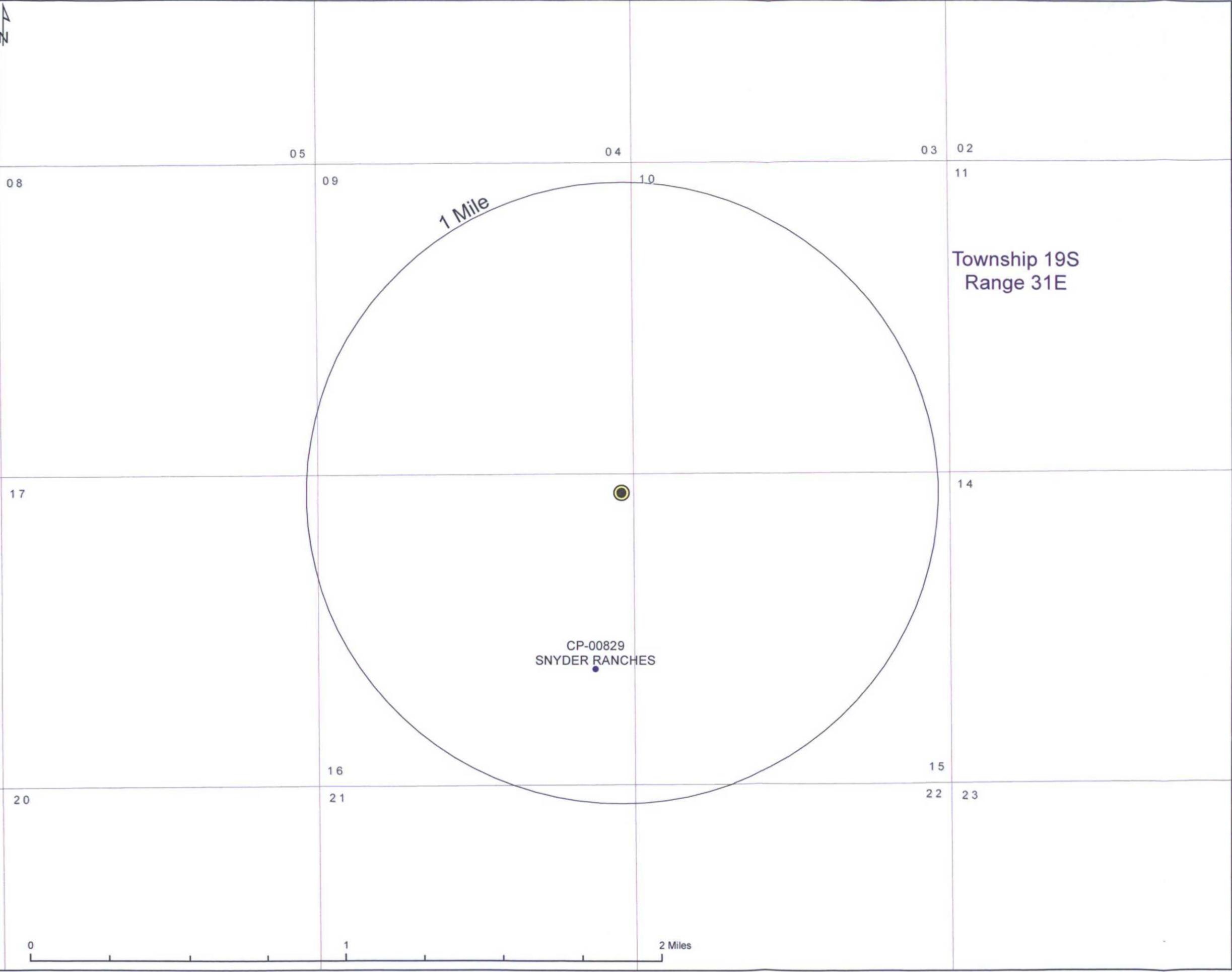
**I'm Your Hackberry SWD #1
Offset Water Wells**
Eddy County, NM
OWL SWD Operating, LLC

Projection: NAD 1983 State Plane NM East FIPS 3001
 Drawn by: SAH Date: 10/6/2015 Approved by: NLB

LONQUIST & CO. LLC

AUSTIN HOUSTON PETROLEUM ENGINEERS ENERGY ADVISORS WICHITA CALGARY
 Texas License F-8652

Township 19S
Range 31E



- I'm Your Hackberry SWD #1
- Water Well
- 1 Mile Radius
- Section Boundary





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 Status: 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/	Acres	Diversion	Consumptive
			1	2		To			
548109	DCL	1993-11-12	DCL	PRC	CP 00829	T	0	3	

Current Points of Diversion

POD Number	Source	Q Q Q			X	Y	Other Location Desc
		6416	4	SecTws Rng			
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	SecTws 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	

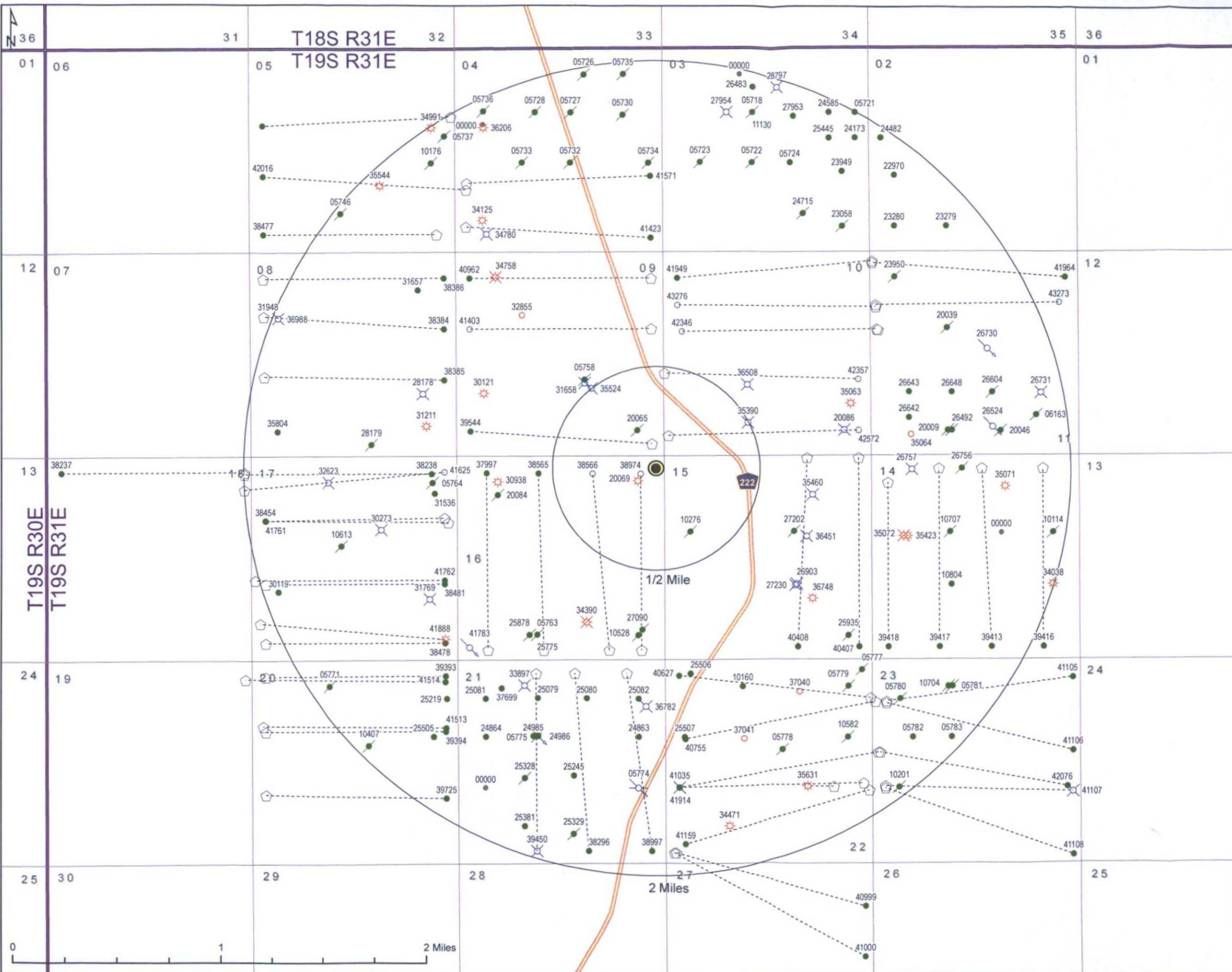
Source

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

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.

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



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Copy
SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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											
11. SEC., T. R., M., OR BLOCK AND SURVEY OR AREA 15-198-31E											
12. COUNTY OR PARISH Eddy					13. STATE New Mexico						
14. PERMIT NO. _____ DATE ISSUED _____											
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											
20. TOTAL DEPTH, MD & TVD 2625'			21. PLUG, BACK T.D., MD & TVD			22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →		24. ROTARY TOOLS	25. CABLE TOOLS 0 - 2625'
26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None											
27. WAS DIRECTIONAL SURVEY MADE No											
28. TYPE ELECTRIC AND OTHER LOGS RUN GO - Gamma Ray-Neutron											
27. WAS WELL CORED No											
29. CASING RECORD (Report all strings set in well)											
CASING SIZE 8-5/8"		WEIGHT, LB./FT. 24		DEPTH SET (MD) 798		HOLE SIZE 12"		CEMENTING RECORD Cemented w/50 sx		AMOUNT PULLED 17 jts. 527'	
30. LINER RECORD											
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)				
31. PERFORATION RECORD (Interval, size and number) None											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL (MD)					AMOUNT AND KIND OF MATERIAL USED						
33.* PRODUCTION											
DATE FIRST PRODUCTION None			PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)				
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO				
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-SP (CORR.)					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)											
35. 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 J. J. McClellan			TITLE Agent			DATE 11-16-64					

RECEIVED

NOV 25 1964

O. C. C.
ARTESIA, OFFICE

*(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 TRIPLICATE*
(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 (water 7-
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

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

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 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.)*

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

APPROVED
MAR 10 1965
H. L. ...
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.

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

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

5. LEASE DESIGNATION AND SERIAL NO. NM-058728

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Tenecca-Federal

9. WELL NO. 1

10. FIELD AND POOL OR WILDCAT NO. 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 [X] GAS WELL [] DRY [] Other []

b. TYPE OF COMPLETION: NEW WELL [X] 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 SPUNDED 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

Table with 6 columns: CASINO SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. All cells contain 'None'.

Table with 8 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). All cells contain 'None'.

Table with 2 columns: PERFORATION RECORD (Interval, size and number) and ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Both cells contain 'none'.

Table with 7 columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL TYPE, 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. Includes a 'RECEIVED' stamp dated SEP 27 1967.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) none TEST BY

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)

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.

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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 THIS ORICATE*
(Other instruct. on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
NM-0557728

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

7. UNIT AGREEMENT NAME

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

8. FARM OR LEASE NAME
Tenneco-Federal

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

9. WELL NO.
1

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

10. FIELD AND POOL, OR WILDCAT
Wildcat *undesignated*

660' FS&EL

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
9-19S-31E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, ST, GR, etc.)
3545.5 GR

12. COUNTY OR PARISH
EDDY

13. STATE
NMex

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		

(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
ARTESIAN, 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 _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

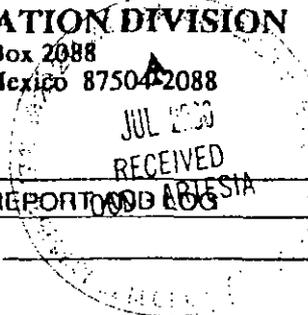
Submit to Appropriate District Office
 State Lease - 6 copies
 Fee Lease - 5 copies
DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

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



Handwritten: c157
 BLM
 BLM
 Seal

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 (DF & RAB, 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

25. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

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. Canyon _____
T. Salt _____	T. Strawn _____ 11000
B. Salt _____	T. Atoka _____ 11366
T. Yates _____ 2330	T. Miss _____
T. 7 Rivers _____	T. Devonian _____
T. Queen _____ 3498	T. Silurian _____
T. Grayburg _____	T. Montoya _____
T. San Andres _____	T. Simpson _____
T. Glorieta _____	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinebry _____	T. Gr. Wash _____
T. Tubb _____	T. Delaware Sand _____
T. Drinkard _____	T. Bone Springs _____ 6750
T. Abo _____	T. Morrow Clastics _____ 11992
T. Wolfcamp _____ 10050	T. Chester _____ 12476
T. Penn _____	T. _____
T. Cisco (Bough C) _____	T. _____

Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Otzte _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

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

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

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
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				



OCD-ARTESIA

ATS-07-154

270

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM-101598
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" 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 Company, LP		7. If Unit or CA Agreement, Name and No.
3a. Address 20 North Broadway Oklahoma City, Oklahoma City 73102-8260		8. Lease Name and Well No. Acme 10 Fed Com 2 35974
3b. Phone No. (include area code) 405-552-7802		9. API Well No. 30-015-35390
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SESW 990' FSL & 1980' FWL At proposed prod. zone SESW 990' FSL & 1980' FWL		10. Field and Pool, or Exploratory Lusk; Morrow (Gas) west
11. Sec., T. R. M. or Blk. and Survey or Area Lot N Sec 10 T19S R31E		12. County or Parish Eddy County
14. Distance in miles and direction from nearest town or post office* Approximately 35 miles northeast of Carlsbad, NM		13. State NM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres in lease 120	17. Spacing Unit dedicated to this well 320
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 12,500'	20. BLM/BIA Bond No. on file G-1104
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3554'	22. Approximate date work will start* 01/01/2007	23. Estimated duration 45 days

700

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 officer. |

25. Signature	Name (Printed/Typed) Stephanic A. Ysasaga	Date 12/06/2006
---------------	--	--------------------

Title Sr. Staff Engineering Technician		
---	--	--

Approved by (Signature)	Name (Printed/Typed) /s/ James Stovall	Date JAN 18 2007
-------------------------	---	---------------------

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 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 page 2)

CAPTAN CONTROLLED WATER BASIN

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

ATS-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		7. If Unit or CA Agreement, Name and No. 22903
3A. Address 105 South Fourth Street Artesia, New Mexico 88210		8. Lease Name and Well No. Domino AOJ Federal Com #6
3b. Phone No. (include area code) (505) 748-1471		9. API Well No. 30-CIT-35524
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		10. Field and Pool, or Exploratory Wildcat Mississippian (96068)
14. Distance in miles and direction from nearest town or post office* 15 miles southeast of Loco Hills, New Mexico.		11. Sec., T., R., M., or Blk, and Survey or Area Section 9, T19S-R31E
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	12. County or Parish Eddy County
17. Spacing Unit dedicated to this well E/2 320	13. State NM	
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 <i>Cy Cowan</i>	Name (Printed/Typed) Cy Cowan	Date 22 2/14/2007
----------------------------------	----------------------------------	-------------------------

Regulatory Agent Regulatory Agent	Name (Printed/Typed) Dorothy Morgan	Date 3-26-07
--------------------------------------	--	-----------------

Approved by (Signature) <i>Dorothy Morgan</i>	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**

KM



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)

RECEIVED
JUN 10 2010
NMOCD ARTESIA

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

11/2

ATS-07-324

S

Month - Year
MAR 28 2007
OCD - ARTESIA, NM

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		7. If Unit or CA Agreement, Name and No. 22903
3A. Address 105 South Fourth Street Artesia, New Mexico 88210		8. Lease Name and Well No. Domino AOJ Federal Com #6
3b. Phone No. (include area code) (505) 748-1471		9. API Well No. 30-011-35524
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		10. Field and Pool, or Exploratory Wildcat Mississippian (96068)
14. Distance in miles and direction from nearest town or post office* 15 miles southeast of Loco Hills, New Mexico.		11. Sec., T., R., M., or Blk, and Survey or Area Section 9, T19S-R31E
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	12. County or Parish Eddy County
17. Spacing Unit dedicated to this well E/2 320	13. State NM	
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 <i>Cy Cowan</i>	Name (Printed/Typed) Cy Cowan	Date 22 2/14/2007
----------------------------------	---	---------------------------------

Regulatory Agent Regulatory Agent	Name (Printed/Typed)	Date
---	----------------------	------

Approved by (Signature) <i>Dorothy Morgan</i>	Name (Printed/Typed)	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**

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

8. Pool Information

LUSK;BONE SPRING, WEST Wildcat Bone Spring	41490 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
Pit: Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Fit Volume: ybbs 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 NMIOCD guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved By: Randy Dade	
	Title: District Supervisor	
	Approved Date: 3/21/2011	Expiration Date: 3/21/2013
	Conditions of Approval Attached	

Printed Name: Electronically filed by Montis Sanders
 Title:
 Email Address: montis@yatespetroleum.com
 Date: 3/18/2011 Phone: 575-748-4244

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 15575
		3. API Number 30-015-38974
4. Property Code 382-2	5. Property Name RUDOLPH ATK STATE COM	6. Well No. 006H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Id.	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

Additional Well Information

8. Well Type New Well	10. Well Type OIL	11. Cate's Entry	12. Lease Type State	13. Ground Level Elevation 3500
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
Fil: Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Pit Volume: 0000 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	15.375	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 NMOCD guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved By: Randy Dade	
	Title: District Supervisor	
	Approved Date: 4/22/2011	Expiration Date: 4/22/2013
	Conditions of Approval Attached	

Printed Name: Electronically filed by: Monti Sanders
Title:
Email Address: montis@yatespetroleum.com
Date: 4/21/2011 Phone: 575-748-4244

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 Diff Resrv.
 Other: _____

5 Lease Serial No
NM-82902

6 If Indian, Allottee or Tribe Name
NA

2 Name of Operator
Yates Petroleum Corporation

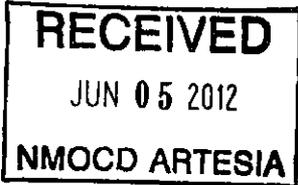
7 Unit or CA Agreement Name and No

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

3a Phone No (include area code)
575-748-1471

8 Lease Name and Well No
Domino AOJ Federal Com #13H

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)



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

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 NA

19 Plug Back T D MD 13,263'
TVD NA

20 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)	Bottn(MD)	State Cementer Depth	No of Skc & 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)						

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

RECLAMATION DUE 11-12-12

CONTINUED ON #32 BELOW

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	

ACCEPTED FOR RECORD
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	
			→						

JUN 3 2012

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

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):

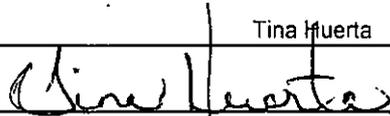
CONTINUED FROM PREVIOUS PAGE:

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

000

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

5. Lease Serial No. SL:NM128832;NM98186;BL:NM055493	
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 Com 3H <40320>	
9. API Well No. 30-015-42357	
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* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) See attached map
16. No. of acres in lease NMNM128832-120 Acres NMNM98186-320 Acres NMNM055493-080 Acres	17. Spacing Unit dedicated to this well 160 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See attached map	19. Proposed Depth 13806' MD/ 9116' 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) 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

RECEIVED
MAY 07 2014
ATTACHED FOR
CONDITIONS OF APPROVAL
NMOCD ARTESIA

OCD-Artesia

ATS-14-525
JES
8-11-14

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

**UNORTHODOX
LOCATION**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. 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 <403207

9. API Well No.
<6137> 30-015-42572

10. Field and Pool, if Exploratory
Lusk West/Bone Spring West <41480>

1a. Type of work: DRILL REENTER

1b. 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 73102

3b. 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

11. Sec., T. R. M. or Blk. and Survey or Area
Sec 10 T19S R31E

14. Distance in miles and direction from nearest town or post office*
12 Miles SE Loco Hills, NM.

12. County or Parish
Eddy

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) See attached map

16. No. of acres in lease
NM 128832 120 ac
NM 055493 160 ac

17. Spacing Unit dedicated to this well
160 ac

18. 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' MD

20. BLM/BIA Bond No. on file
CO-1104; NMB-000801

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3561.3' GL

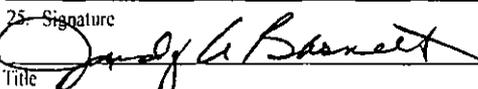
22. Approximate date work will start*
04/30/2014

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  Name (Printed/Typed) Judy A. Barnett Date 02/12/2014
Title Sr. Regulatory Specialist

Approved by (Signature)  Name (Printed/Typed) Steve Caffey Date AUG - 4 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)

**NM OIL CONSERVATION
ARTESIA DISTRICT**

AUG 08 2014

RECEIVED

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Approval Subject to General Requirements
& Special Stipulations Attached

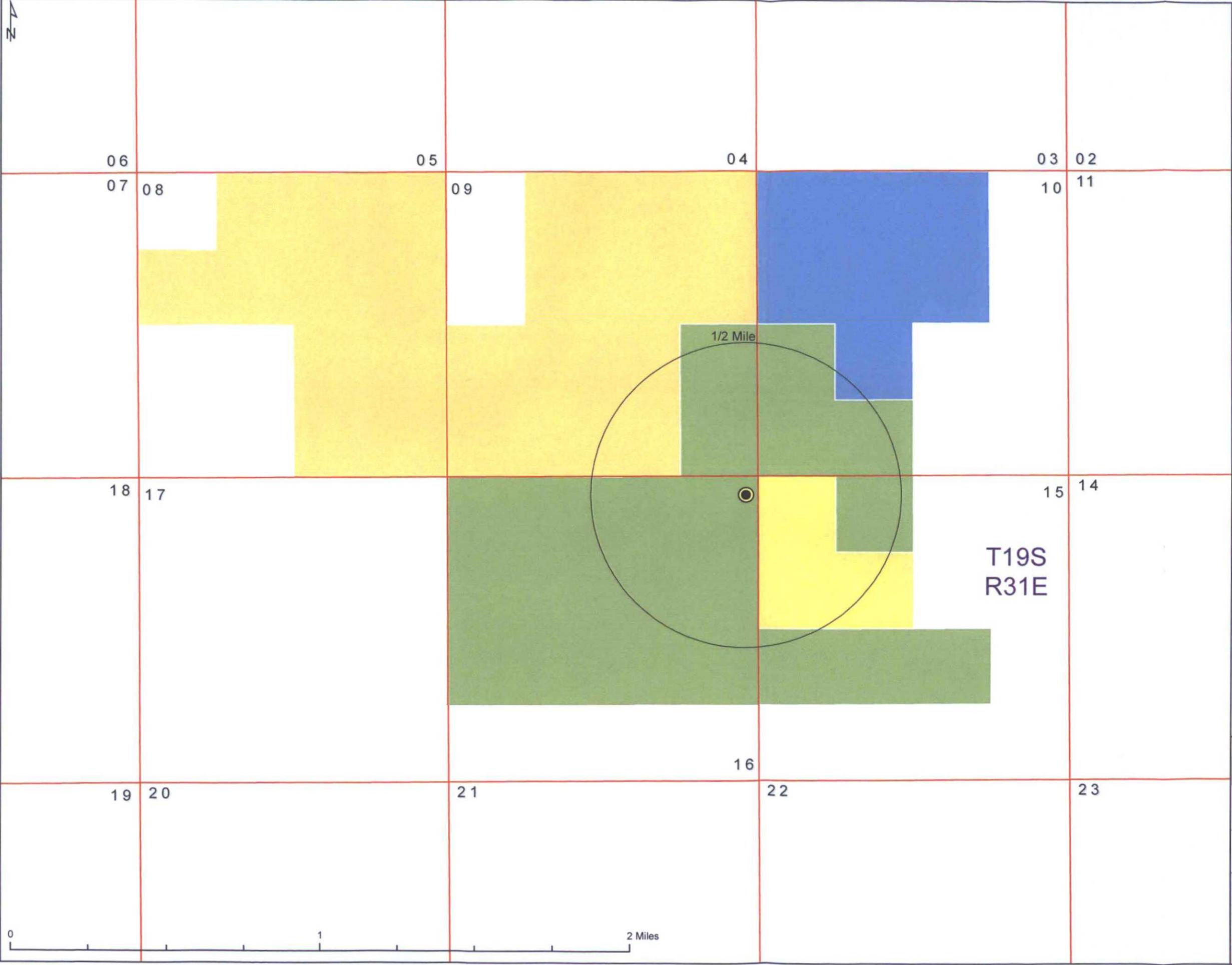
42

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

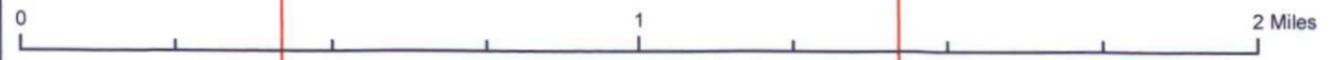
AUSTIN HOUSTON PETROLEUM ENGINEERS ENERGY ADVISORS WICHITA CALGARY
 Texas License F-8652



- 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

Serial Number: NMNM-- - 094614

Name & Address	Int Rel	% Interest
DEVON ENERGY PROD CO LP 333 W SHERIDAN AVE	LESSEE	100.00000000

Serial Number: NMNM-- - 094614

Mer Twp	Rng	Sec	S Typ	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	01905	0310E	008	ALIQ	SW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	01905	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	868	EFFECTIVE DATE		
03/17/1995	084	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
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**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

Run Time: 01:00 PM
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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 160.000
Serial Number NMNM-- - 120900

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 015	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
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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 120.000
Serial Number 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	AUIQ		W2SW.SESW;	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
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Run Date: 10/01/2015

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

Total Acres 200.000
Serial Number NMNM-- - 033953

Case Type 311211: O&G LSE SIMO PUBLIC LAND
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 PTNRSHIP	PO BOX 4294	HOUSTON TX 772104294	OPERATING RIGHTS	0.000000000
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	

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BUREAU OF LAND MANAGEMENT
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(MASS) Serial Register Page**

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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/OCCIDNTAL
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

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BUREAU OF LAND MANAGEMENT
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(MASS) Serial Register Page**

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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

Serial Number: NMNM-- - 082902

Name & Address			Int Rel	% Interest
ABO PETRO CORP	105 S 4TH ST	ARTESIA NM 88210	LESSEE	10.00000000
MYCO INDUSTRIES INC	105 S 4TH ST	ARTESIA NM 88210	LESSEE	10.00000000
OXY Y-1 COMPANY	PO BOX 27570	HOUSTON TX 772277570	LESSEE	10.00000000
YATES PETRO CORP	105 S 4TH ST	ARTESIA NM 88210	LESSEE	70.00000000

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	BCU	
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

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BUREAU OF LAND MANAGEMENT
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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
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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

Serial Number: NMNM-- - 098186

Name & Address			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;	

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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%

Township 19 South Range 31 East of the New Mexico Principal Meridian, New Mexico

County: Eddy - 015

BLM Field Office: Carlsbad

BUREAU OF LAND MANAGEMENT
STATUS OF PUBLIC DOMAIN
LAND AND MINERALS

OG Plat

T19S R31E

Entire Township Included
FD Act NM 1 Post Act 8 (8/11/1936)
Designated Post Area SO 10/7/1975 (Partial)
CS of Public Lands NM 0560202 (CS No. 9036-01)

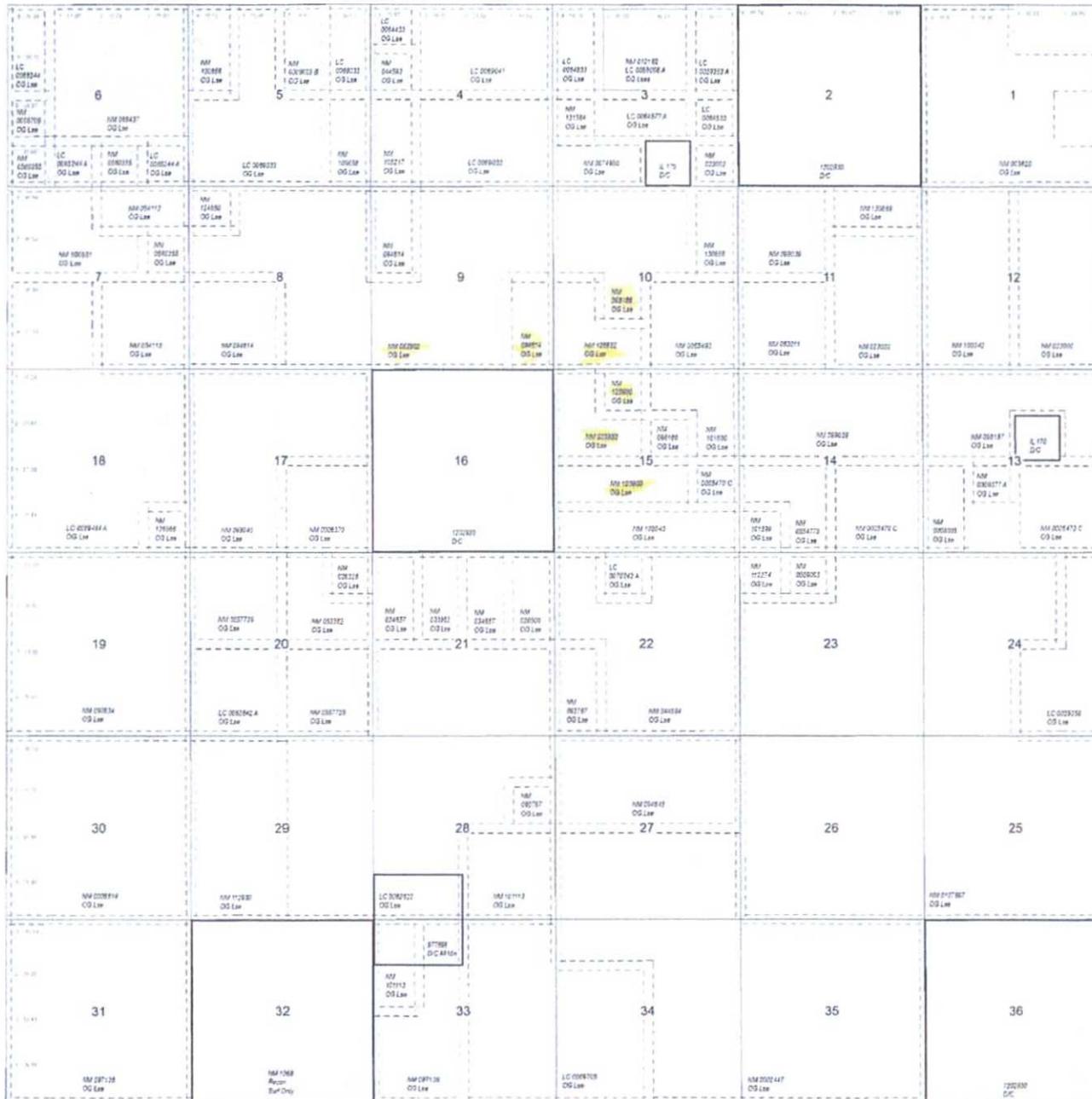
UNIFICATION AGREEMENTS

Big Eddy LIA
NM 082948
Carmen Queen LIA
NM 070320
East Shugart LIA
NM 070843
Greenwood Pre-Gring LIA
NM 070858

COMMUNICIPATION AGREEMENTS

NM 07244
NM 120255
NM 120327
NM 120829
NM 120830
NM 120760
NM 120994
NM 124010
NM 124279
NM 124664
NM 124781
NM 124827
NM 124847
NM 122262
NM 122710
NM 124979
NM 125005
NM 126289
NM 127173
NM 127354
NM 127410
NM 127411
NM 127858
NM 128078
NM 128247
NM 128248
NM 128462
NM 128688
NM 129091
NM 129425
NM 129458
NM 129578
NM 129587
NM 130540
NM 130541
NM 130543
NM 130831
NM 131438
NM 131442
NM 131512
NM 131806
NM 131807
NM 131891
NM 132030
NM 132044
NM 133115
NM 133137
NM 133259
NM 133274
NM 133278
NM 133390
NM 133249
NM 133245
NM 134209
NM 134540

NOTE: The Serial Numbers displayed are in the Bureau's 132002 system format.
If there is a zero in the "7" position from the right, the serial number was a "serial" zero.
example NM 002340
if there is not a zero in the "7" position from the right then the serial number does not have a "serial" zero.
example NM 02340



0 0.25 0.5 1
Miles
1 inch = 30 chains

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 improvements of mine or other bodies of water. Refer to the

T 19S
R 31E
NMMP

DISTRICT I
1625 N French Dr., Hobbs, NM 88240
Phone: (575) 397-6161 Fax: (575) 393-0720

DISTRICT II
811 S First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Huerfano Road, Aztec, NM 87410
Phone: (505) 534-6178 Fax: (505) 534-6170

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 97869	Pool Name SWD; Devonian - Silurian
Property Code	Property Name I'M YOUR HACKBERRY SWD	Well Number 1
OGRID No. 308339	Operator Name OILFIELD WATER LOGISTICS	Elevation 3545'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	19-S	31-E		320	NORTH	210	EAST	EDDY

Bottom Hole Location [If Different From Surface]

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=606575.9 N X=643833.3 E LAT.=32.666707° N LONG.=103.865935° W	GEODETIC COORDINATES NAD 83 NVE SURFACE LOCATION Y=606638.7 N X=685012.8 E LAT.=32.666827° N LONG.=103.866438° W	

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 unleased 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 to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: [Signature] Date: 10-14-15

Printed Name: Stephen L. Pattee

E-mail Address: Steve@lanquist.com

SURVEYOR CERTIFICATION

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

OCTOBER 6, 2015

Date of Survey

Signature & Seal of Professional Surveyor:

[Signature]

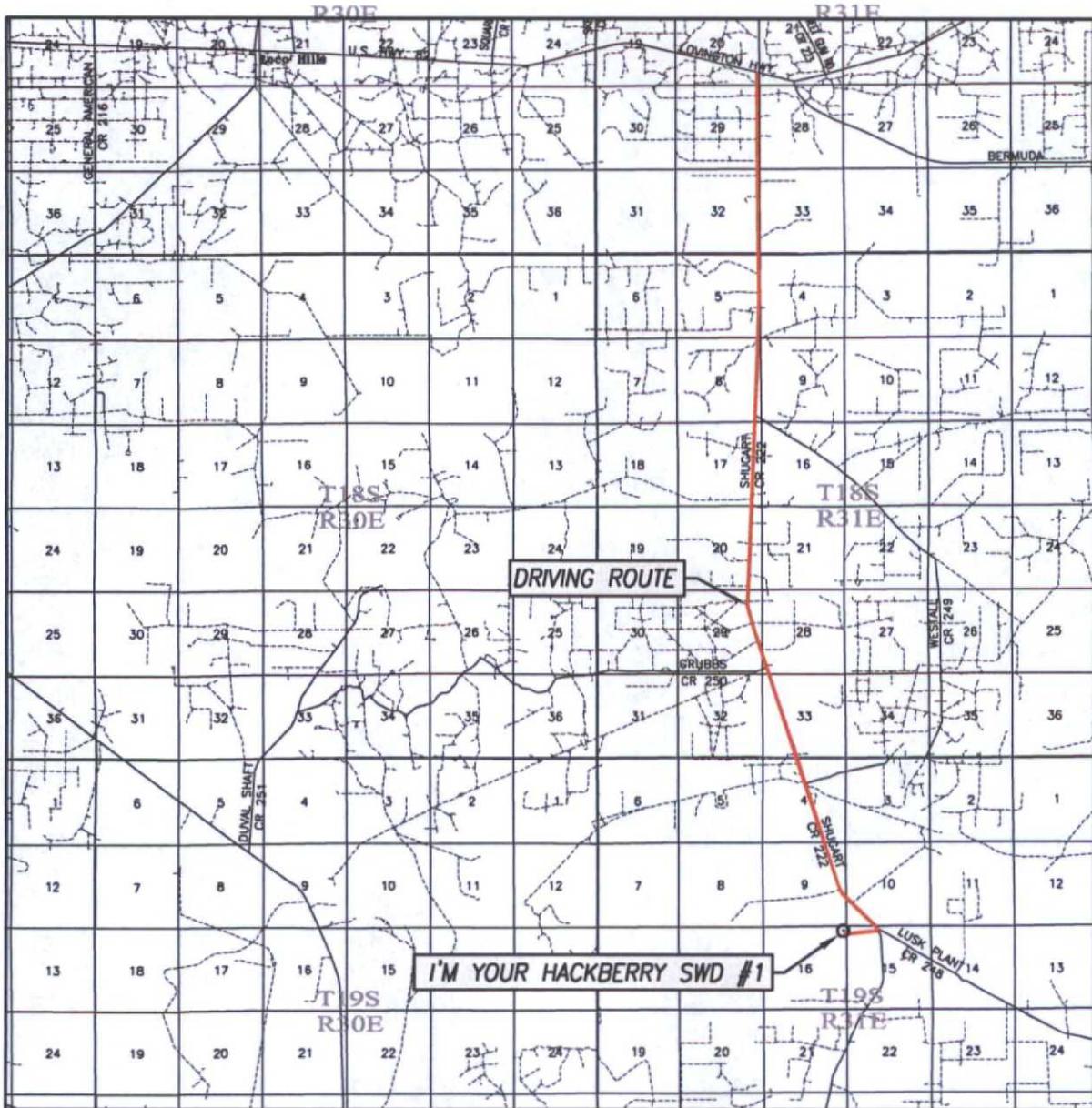
Certificate Number: 12641

Surveyor: Ronald J. Eidson

ACK

W.S.C. W.O. 15.11.0955

VICINITY MAP



SCALE: 1" = 2 MILES

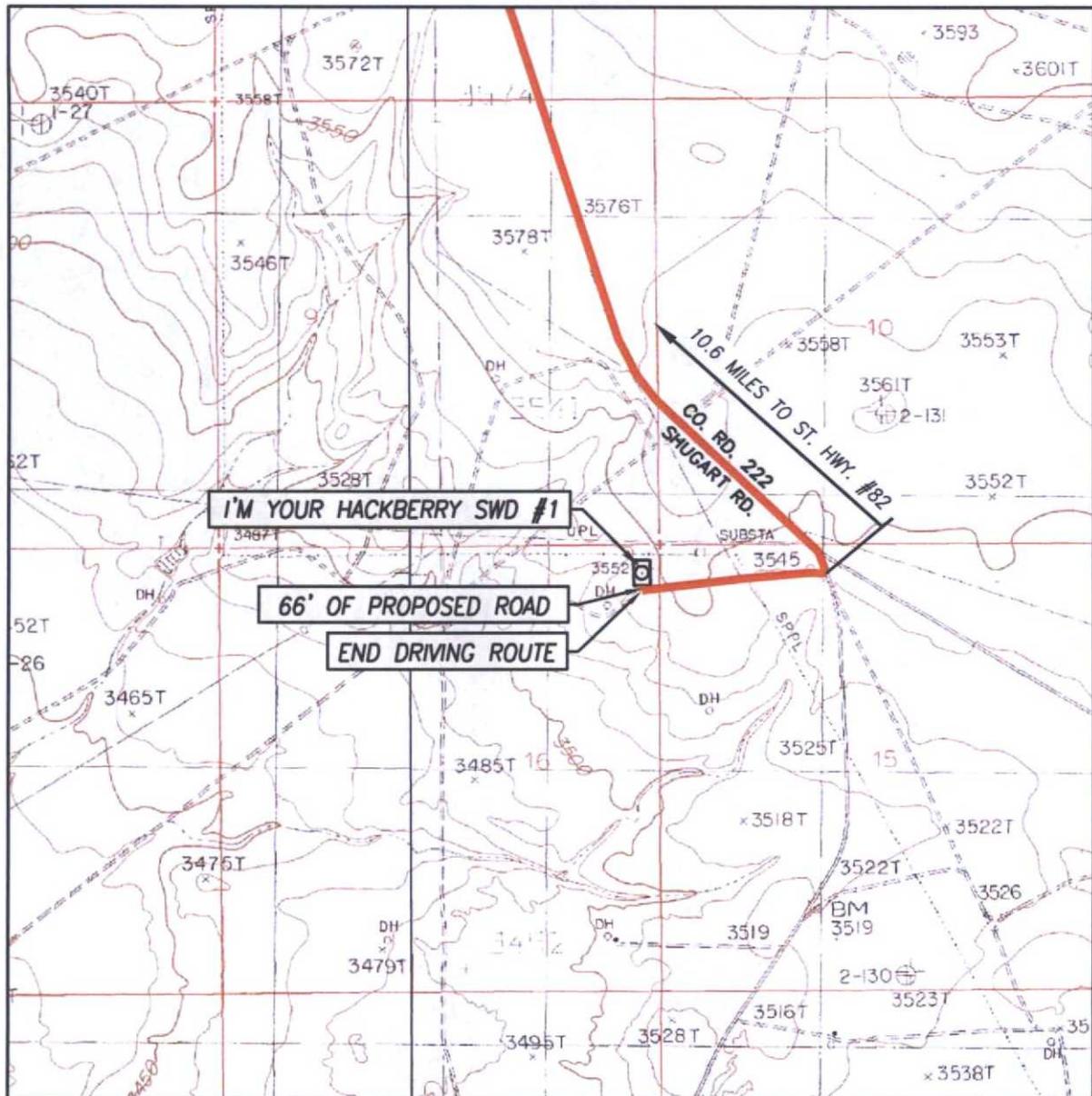
DRIVING ROUTE: SEE TOPOGRAPHICAL AND ACCESS ROAD MAP

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) 748-9720
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 18, 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
Property Code		API Number 30-025-
Property Name I'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

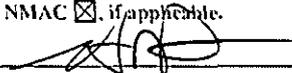
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	24"	20"	106.5 lb/ft	650'	884 sx	Surface
Intermediate 1	17.500"	13.625"	88.2 lb/ft	5,100'	3,876 sx	Surface
Intermediate 2	12.250"	9.625"	47 lb/ft	9,500'	1,990 sx	Surface
Liner	8.500"	7"	32 lb/ft	9,300' - 13,300'	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 Title: Consulting Engineer - Agent for OWL E-mail Address: steve@lonquist.com Date: 10-14-15 Phone: 512-600-1774</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

RECEIVED OCD

www.lonquist.com

October 14, 2015

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

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7015 0640 0003 1686 5436
7015 0640 0003 1686 5446
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Oil Conservation Division District IV
Street and A/c 1220 South St., Francis Drive
City, State, Z Santa Fe, New Mexico 87505

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Street 811 South First Street
City, St Artesia, New Mexico 88210

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P. O. Box 158
Street and City, State Artesia, New Mexico 88210-0158

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310 Old Santa Fe Trail
City, State, Zip Santa Fe, New Mexico 87501

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105 South 4th Street
City, St Artesia, New Mexico 88210

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

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COG Operating LLC
Street
600 West Illinois Avenue
City, St
Midland, Texas 79701

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City, St
Springfield, Colorado 81073-9301

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

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

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

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Street
5 Greenway Plaza, Suite 110
City, St
Houston, Texas 77046-0521

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Street P. O. Box 27570

City, State, ZIP+4® Houston, Texas 77227-7570

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Street and A/D 105 South 4th Street

City, State, ZIP+4® Artesia, New Mexico 88210

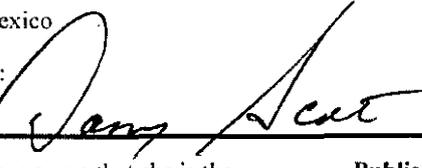
Affidavit of Publication

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:

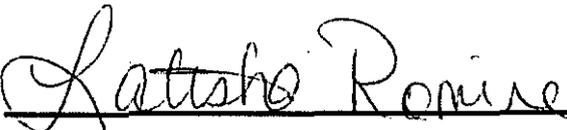
First Publication	<u>October 28, 2015</u>
Second Publication	
Third Publication	
Fourth Publication	
Fifth Publication	
Sixth Publication	

Subscribed and sworn before me this 28th day of October 2015



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/2/2019



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) (≥ 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

See COA

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

See COA

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

8. Additional Information

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

District I
1625 N. French Dr., Hobbs, NM 58240
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

¹⁰ Pool Name SWD; Devonian - Silurian	¹¹ Pool Code 97869
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Additional Well Information

¹² Work Type N	¹³ Well Type SWD	¹⁴ Cable/Rotary R	¹⁵ Lease Type State	¹⁶ Ground Level Elevation 3,544.8'
¹⁷ Multiple N	¹⁸ Proposed Depth 14,300'	¹⁹ Formation Devonian - Silurian	²⁰ Contractor TBD	²¹ Spud Date ASAP
²² Depth to Ground water 150'	²³ Distance from nearest fresh water well 3,019'		²⁴ Distance to nearest surface water 2,163'	

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

²⁵ Proposed Casing and Cement Program

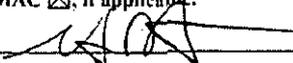
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	24"	20"	106.5 lb/ft	650'	912 sx	Surface
Intermediate 1	17.500"	13.625"	88.2 lb/ft	5,100'	3,867 sx	Surface
Intermediate 2	12.250"	9.625"	47 lb/ft	9,500'	2,729 sx	Surface
Liner	8.500"	7"	32 lb/ft	9,300' - 13,300'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

Casing/Cement Program: Additional Comments

See attached schematic.

²⁶ Proposed Blowout Prevention Program

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

²⁷ 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	

Phone: 512-600-1774

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: 11/21/15 / 12/29/2015 / 1/14/2016 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 SWD

API: 30-0 15-Pending Spud Date: TB12 New or Old: ✓ (UIC Class II Primacy 03/07/1982)

Footages 320FNL, 210FEL Lot _____ or Unit A Sec 16 Tsp 14S Rge 81E County Bddy

General Location: 2 1/4 miles S/WALYAL Pool: SWD, DEVONIAN-SILEX Pool No.: 97869

BLM 100K Map: 110665 Operator: OPERATING, LLC OGRID: 308339 Contact: Puttco agent

COMPLIANCE RULE 5.9: Total Wells: 14 Inactive: 2 Fincl Assur: Y Compl. Order? NA IS 5.9 OK? Y Date: 1/14/2016

WELL FILE REVIEWED Current Status: Proposed

WELL 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	<u>24"/30"</u>	<u>650</u>	<u>9 # 2</u>	<u>SURFACE/VISUAL</u>
Planned ___ or Existing ___ Interm/Prod	<u>12 5/8"/13 7/8"</u>	<u>5100</u>	<u>3867</u>	<u>SURFACE/VISUAL</u>
Planned ___ or Existing ___ Interm/Prod	<u>12 1/4"/9 5/8"</u>	<u>9500</u>	<u>5400</u>	<u>SURFACE/VISUAL</u>
Planned ___ or Existing ___ Prod/Liner				
Planned ___ or Existing <u>(Liner)</u>	<u>8 1/2"/7"</u>	<u>13300</u>	<u>613</u>	<u>9300*</u>
Planned ___ or Existing <u>(OH) PERF</u>	<u>13300/14000</u>			

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.		<u>DV</u>	<u>13287</u>	Drilled TD <u>14300</u> PBDT _____
Confining Unit: Litho. Struc. Por.		<u>LD</u>	<u>13144</u>	NEW TD _____ NEW PBDT _____
Proposed Inj Interval TOP:	<u>13300</u>			NEW Open Hole <input checked="" type="radio"/> or NEW Perfs <input type="radio"/>
Proposed Inj Interval BOTTOM:				Tubing Size _____ in. Inter Coated? _____
Confining Unit: Litho. Struc. Por.				Proposed Packer Depth <u>13300</u> ft
Adjacent Unit: Litho. Struc. Por.				Min. Packer Depth <u>13200</u> (100-ft limit)
				Proposed Max. Surface Press. <u>2660</u> psi
				Admin. Inj. Press. <u>2660</u> (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, Bone adj NA No. Wells within 1-Mile Radius? 1 FW Analysis N/A

Disposal Fluid: Formation Source(s) SPINNING STONE, WARRIOR Analysis? Y On Lease Operator Only or Commercial

Disposal Int: Inject Rate (Avg/Max BWPD): 204/271 Protectable Waters? Y Source: Capitan Reef System: Closed or Open DL 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 1074

RULE 26.7(A): Identified Tracts? Y Affected Persons: DEVON, YATES, OXY N. Date 10-14

Order Conditions: Issues: Protect Capitan when drilling

Add Order Cond: H2O based mud thru Capitan Reef