

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	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

LG&S Oil Company, LLC
 Keohane B Federal 3
 30-015-05625

- [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.

Brian Wood

Signature

Consultant

4-6-15

Print or Type Name

Title

Date

brian@permitswest.com

e-mail Address

OCD Case# 15345
 LG&S Oil Company, LLC

~~November 12, 2015~~ 2/4/16

Ex# 1

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. OPERATOR: LG&S OIL COMPANY, LLC

ADDRESS: P. O. BOX 52, LOVINGTON NM 88260

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

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

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

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

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

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SWD; Queen (96117)

VII. Attach data on the proposed operation, including:

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

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

IX. Describe the proposed stimulation program, if any.

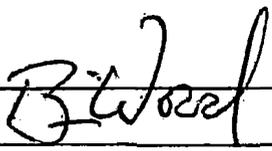
*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

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

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

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

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

NAME: BRIAN WOOD  TITLE: CONSULTANT

SIGNATURE: _____ DATE: APRIL 6, 2015

E-MAIL ADDRESS: brian@permitswest.com

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

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

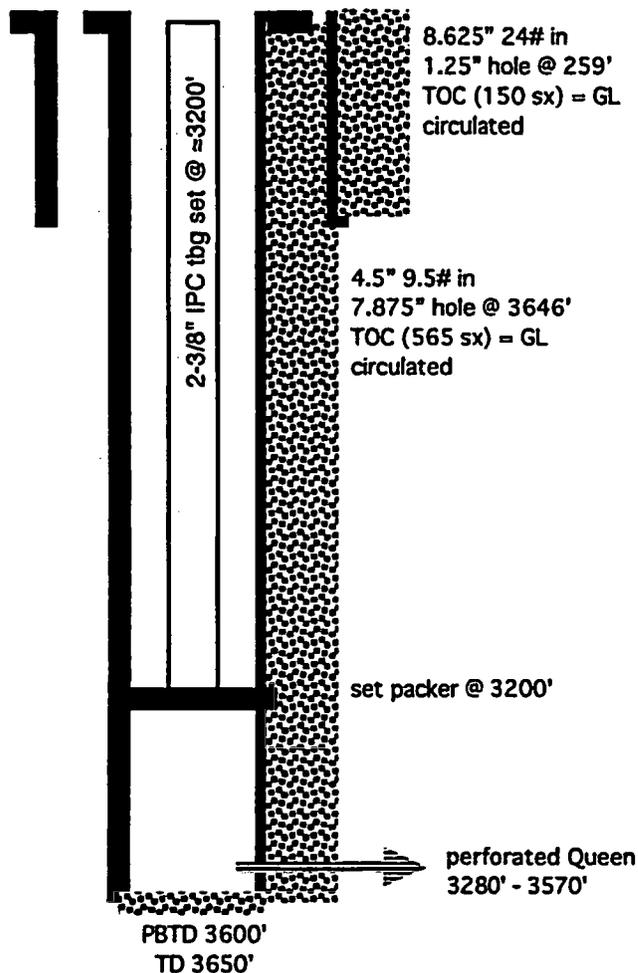
INJECTION WELL DATA SHEET

OPERATOR: LG&S OIL COMPANY, LLC

WELL NAME & NUMBER: KEOHANE B FEDERAL 3

WELL LOCATION: 1980 FNL & 1980 FWL F 28 18 S 31 E
 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC



(not to scale)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12.25" Casing Size: 8.625"
 Cemented with: 150 sx. or _____ ft³
 Top of Cement: SURFACE Method Determined: CIRCULATED

Intermediate Casing

Hole Size: _____ Casing Size: _____
 Cemented with: _____ sx. or _____ ft³
 Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7.875" Casing Size: 4.5"
 Cemented with: 565 sx. or _____ ft³
 Top of Cement: SURFACE Method Determined: CIRCULATED
 Total Depth: 3650'

Injection Interval

3280' feet to 3570'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2.375" Lining Material: IPC

Type of Packer: BAKER X-1

Packer Setting Depth: 3200'

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

Additional Data

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

If no, for what purpose was the well originally drilled? OIL WELL

2. Name of the Injection Formation: QUEEN

3. Name of Field or Pool (if applicable): SWD;QUEEN (96117)

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. YES

WELL IS PERFORATED FROM 3280' TO 3570'. SAME PERFS WILL BE USED FOR DISPOSAL.

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

OVER: YATES (2191')

UNDER: MORROW (11,582')

LG&S OIL COMPANY, LLC
KEOHANE B FEDERAL 3
1980' FNL & 1980' FWL SEC. 28, T. 18 S., R. 31 E.
EDDY COUNTY, NEW MEXICO

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I. Purpose is to convert a Shugart; Yates-7RS-QU-Grayburg (pool code 56439) oil well to a commercial SWD; Queen (pool code 96117) saltwater disposal well. The well was drilled by Gulf in 1962 to 3650'. It was plugged 3 months later with no production. It was re-entered in 1972 and successfully completed by Shenandoah as an oil well. LG&S became operator in 2008.

Cumulative production from December 1992 through December 2014 is 7380 barrels of oil and 86583 barrels of water (11.7 to 1 water to oil ratio). Cumulative production for 2014 is 1453 barrels of oil and 25435 barrels of water (17.5 to 1 water to oil ratio). It is no longer economical to operate the well as an oil well under current oil prices. The plan is to dispose into the Queen from 3280' to 3570', the same interval that currently, and uneconomically, produces.

II. Operator: LG&S Oil Company, LLC (OGRID #257988)
Operator phone number: (575) 390-0581
Operator address: P. O. Box 52, Lovington, NM 88260

Contact for Application: Brian Wood (Permits West, Inc.)
Phone: (505) 466-8120

III. A. (1) Lease: BLM lease NMLC-029390A
Lease Size: 280 acres (see Exhibit A for C-102 and map)
Closest Lease Line: 660'
Lease Area: S2NW4, NENW, & SE4 Section 28, T. 18 S., R. 31 E.

A. (2) Surface casing (8-5/8", 24#) was set at 259' in a 12-1/4" hole.
Cement (150 sx) was circulated to the surface.

Production casing (4-1/2", 9.5#) was set at 3,646' in a 7-7/8" hole.
Cement (565 sacks & DV tool @ 793') circulated to the surface.

A. (3) Tubing will be 2-3/8" plastic lined. Setting depth will be 3200'.
(Disposal interval will be 3280' to 3570'.)

- A. (4) A Baker X-1 packer will be set at 3200' (80' above the highest perforation of 3280').
- B. (1) Disposal will be in the SWD; Queen (pool code 96117).
- B. (2) Disposal interval will be 3280' to 3570'.
- B. (3) Well was (twice) drilled as a Queen oil well.
- B. (4) Well is perforated from 3280-88', 3292-98', 3304-08', and 3558-70' with 2 shots per foot. Shot diameter = 1/2". Additional perforations may be added within that overall interval of 3280' to 3570'.
- B. (5) Yates is the only oil or gas zone above the Queen in the area of review. Morrow is the only oil and gas zone below the Queen and in the area of review.

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

V. Exhibit B shows all 11 existing wells (7 P & A wells + 2 oil wells + 2 gas wells) within a half-mile radius. Exhibit C shows all 275 existing wells (139 oil or gas wells + 119 P & A wells + 17 injection or disposal wells) within a 2 mile radius.

Exhibits D and E shows all leases and lessors (only BLM) within a one half mile radius and two mile radius. Details on the leases within a half-mile radius are:

Aliquot Parts in Area of Review (T 18 S, R 31 E)	Lease (all BLM)	Lessee(s) of Record	Queen operator, if any
SWSE Sec. 21	NMNM-012212	Devon, Energen, Fidelity	none
SESW Sec. 21	NMNM-025778A	Devon, Energen, Fidelity	Cone
SWSW Sec. 21	NMNM-175770	COG, Concho	Cone

LG&S OIL COMPANY, LLC
 KEOHANE B FEDERAL 3
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 EDDY COUNTY, NEW MEXICO

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NE4 Sec. 28	NMNM-012212	Devon, Energen, Fidelity	SENE: Momentum, NENE & W2NE: none
SE4 Sec. 28	NMLC-029390A	Devon, Energen, Fidelity	none
SW4 Sec. 28	NMNM-055648	Devon, Energen, Fidelity	none
S2NW4 & NENW Sec. 28	NMLC-029390A	Devon, Energen, Fidelity	E2NW: LG&S SWNW: none
NWNW Sec. 28	NMNM-106230	Nearburg	none
E2NE4 Sec. 29	NMLC-029387C	Magnum Hunter	none
NESE Sec. 29	NMLC-029387A	18-31 Inc.	none

VI. Eleven wells (below) are within a half-mile. Ten of the eleven penetrated the Queen. A tabulation of the 11 existing wells and diagrams of the 7 plugged wells are attached as Exhibit F.

API	WHO	UL	T18S, R31E SECTION	TVD	WELL	TYPE WELL	ZONE	FEET FROM SWD
3001530363	Devon	F	28	12050	Shugart 28 Fed. 2	G	Shugart; Morrow (G)	330
3001505624	LG&S	C	28	3650	Keohane B Fed. 2	O*	Shugart; Y-7R-Q-Gray	1320
3001505622	Gulf	K	28	3650	Keohane et al A Fed. 3	P&A	Shugart; Y-7R-Q-Gray	1320
3001505623	Xeric	E	28	3650	Keohane et al B Fed. 1	P&A**	Shugart; Y-7R-Q-Gray	1326
3001530137	Devon	G	28	11990	Shugart 28 Fed. 1	G	Shugart; Morrow (G)	1403
3001505619	Fullerton	D	28	3653	Little A 1	P&A	Shugart; Y-7R-Q-Gray	1871

3001505621	Cimarex	L	28	3682	Keohane et al A Fed. 2	P&A	Shugart; Y- 7R-Q-Gray	1872
3001505600	T R Cone	N	21	3621	N. Shugart Queen Unit 11	O***	Shugart; Y- 7R-Q-Gray	2310
3001520223	J M Welch	B	28	3965	Gulf B 1	P&A	Shugart; Y- 7R-Q-Gray	2323
3001510113	Chemical Express	D	28	3653	Texaco Fed. 2	P&A	Shugart; Y- 7R-Q-Gray	2339
3001510141	V S Welch	E	29	2740	Kenwood 1	P&A	Shugart; Y- 7R-Q-Gray	2344
3001505630	Cimarex	H	29	4150	Shugart APCO A 3	P&A	Shugart; Y- 7R-Q-Gray	2753

*Plan to convert to SWD; Queen.

** Water injection well 1972-1993. See WFX-371 and Case 3779 & R-3431.

*** Last produced in September 2009. Cumulative production (1998-2014) = 595 barrels of oil.
 Served as a water injector 1970-1998. Unit terminated 1-1-11.

- VII. 1. Average injection rate will be \approx 3,500 bwpd.
 Maximum injection rate will be 5,000 bwpd.
2. System will be open. Water will be trucked to the well.
3. Average injection pressure will be \approx 600 psi
 Maximum injection pressure will be 656 psi (= 0.2 psi/foot x 3280'
 (highest perforation)).
4. The disposal water will be produced water. For example, existing wells within Section 28 and the adjacent 8 sections produce from the Atoka, Bone Spring, Delaware, Devonian, Grayburg, Morrow, Queen, Seven Rivers, and Yates formations. An analysis of Queen water is in Exhibit G.
5. The Queen was productive in this well, but it is no longer profitable to operate it as an oil well. Production averaged 4 bopd and 71 bwpd in 2014. Cumulative production from 1993-2014 was 7,380 barrels of oil.

VIII. The Queen is fine-grained sandstone with some siltstone, limestone, and gypsum.

Closest possible underground source of drinking water above the proposed disposal interval are the red beds between 675' to 695'. Water bearing sands were reported in the completion reports of 2 oil wells (30-015-05594 and 30-015-05619) within a half-mile. These sands occurred from 675' to 695'. There will be 2,579' of vertical separation and the Yates - Seven Rivers interval between the bottom of the only likely underground water source (red beds) and the top of the Queen.

No water wells are within a 2 mile radius (EXHIBIT H). This was verified during a January 28, 2015 field inspection. No underground source of drinking water is below the proposed disposal interval. Ogallala aquifer is >10 miles northeast (Exhibit H).

Formation tops are:

Quaternary = 0'
Anhydrite = 580'
Yates = 2191'
Seven Rivers = 2394'
Bowers = 3014'
Queen = 3274'
Disposal interval = 3280' - 3570'
PBSD = 3625'
TD = 3650'
Grayburg = 3796'
San Andres = 4210'
Delaware = 4413'
Bone Spring = 6160'
Wolfcamp = 9650'
Strawn = 10776'
Atoka = 10986'
Morrow = 11582'
Barnett shale = 11910'

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

LG&S OIL COMPANY, LLC
KEOHANE B FEDERAL 3
1980' FNL & 1980' FWL SEC. 28, T. 18 S., R. 31 E.
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X. No logs have been run.

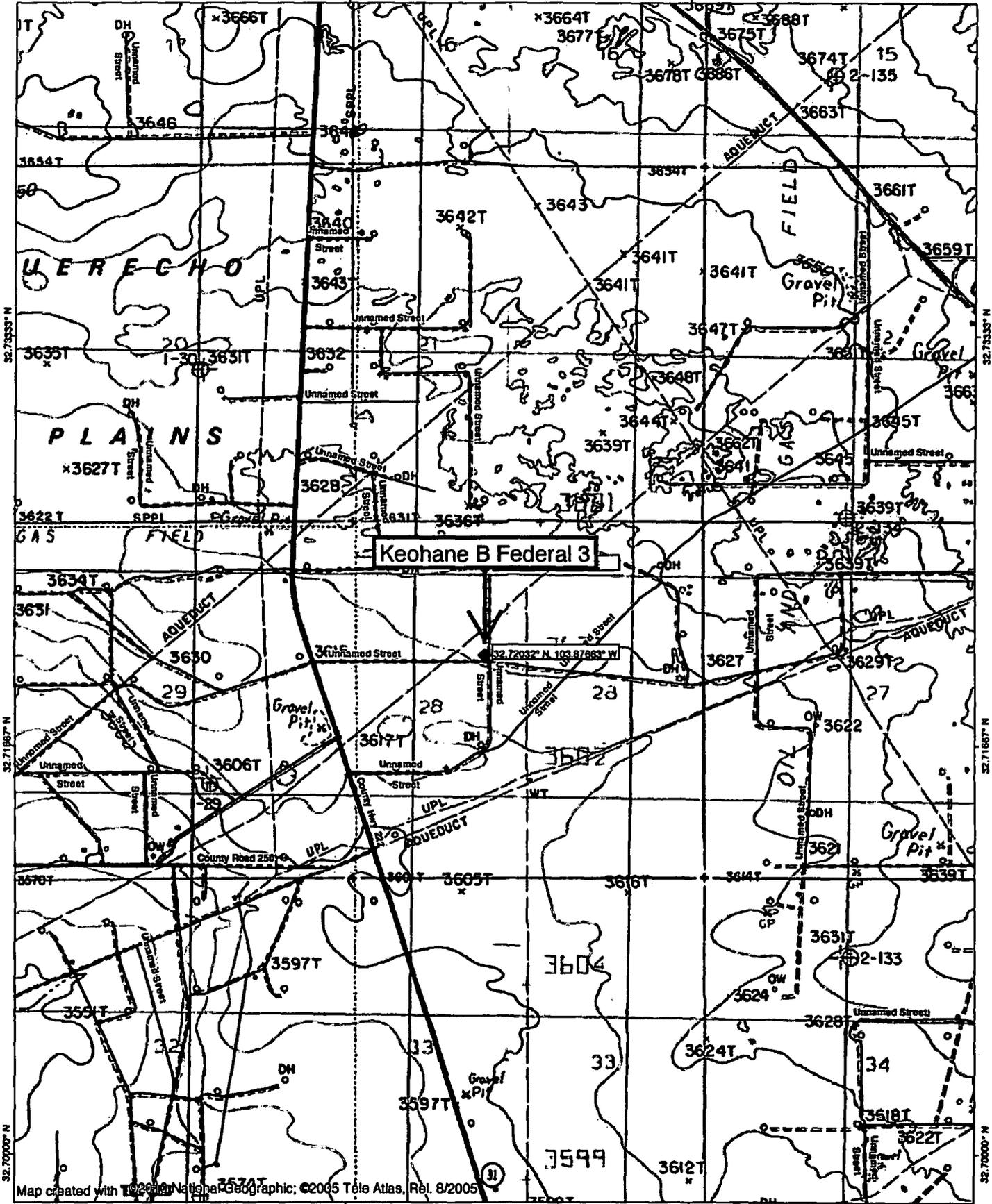
XI. Based on a field inspection and a review of the State Engineer's records, there are no water wells within a 1-mile radius.

XII. LG&S Oil Company, LLC is not aware of any geologic or engineering data that may indicate the Queen is in hydrologic connection with any underground sources of water. Closest Quaternary fault is \approx 75 miles west (Exhibit I). There are 28 Queen saltwater disposal wells and 485 Queen injection wells in New Mexico.

XIII. A legal ad (see Exhibit J) was published on January 25, 2015. Notice (this application) has been sent (Exhibit K) to the surface owner (BLM), all leasehold operators or lessees (COG Concho, Devon, 18-31 Inc., Energen, Fidelity, Iverson (Claire Ann), Iverson (Siegfred James III), Iverson (Wendell), Iverson-Page (Patsy), Magnum Hunter, Mills (Pete), Momentum, Nearburg, Penwell, Pierce (Jim), Pool (John), Rost, Energy, S&P, Sell (Steve), Sklarco, Southwest Reserves, Southwest Royalties), and lessors (BLM) within a half-mile.

103.88333° W

WGS84 103.88687° W



Map created with Topographic National Geographic; ©2005 Tele Atlas, Rel. 8/2005

103.88333° W

WGS84 103.88687° W

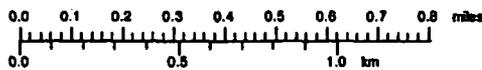


EXHIBIT A

TN+MN

7.5°

01/22/15

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
 Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator Gulf Oil Corp.		Lease Federal-Keohane "B" (of 2)		Well No. 3
Unit Letter F	Section 28	Township 18 South	Range 31 East	County Eddy
Actual Footage Location of Well: 1980 feet from the west line and 1980 feet from the north line				
Ground Level Elev.	Producing Formation Queen	Pool Keohane	Dedicated Acreage: 2 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation **RECENT**
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Lead Description
	FEB 20 1962 U. S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

SECTION B

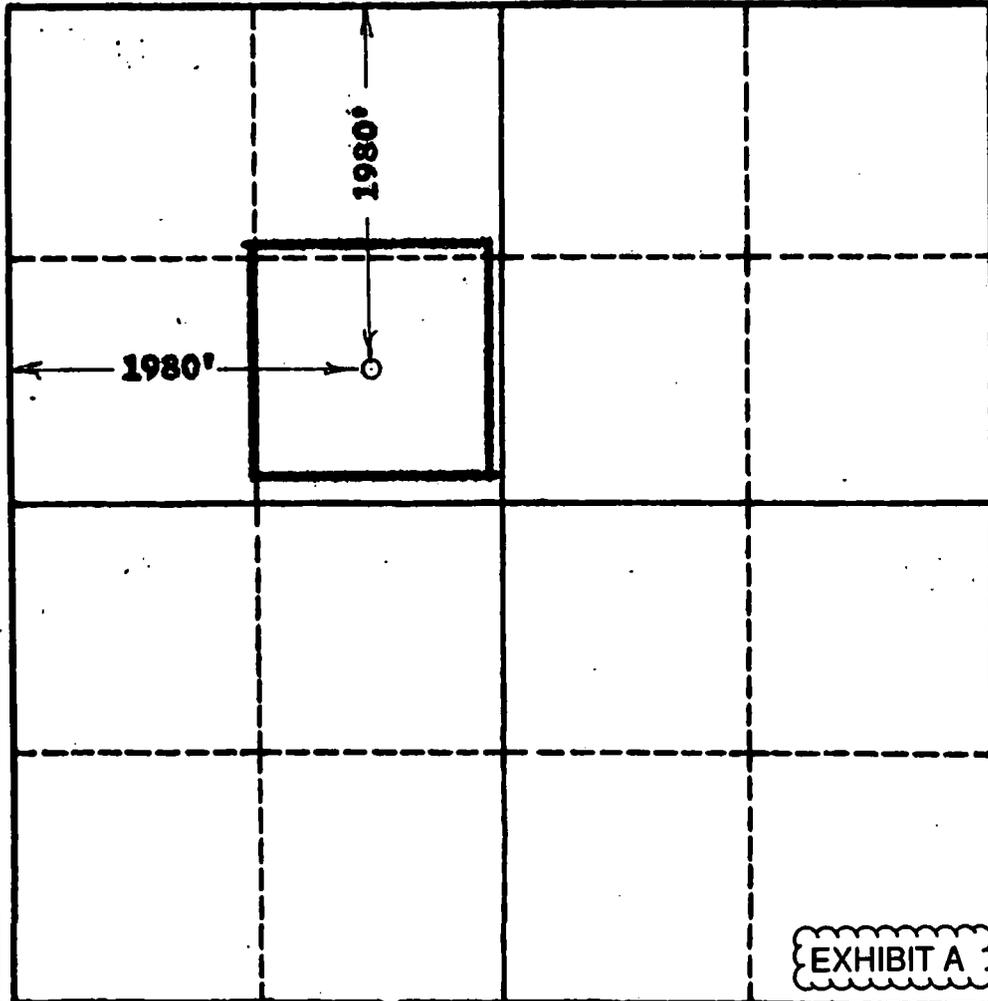


EXHIBIT A

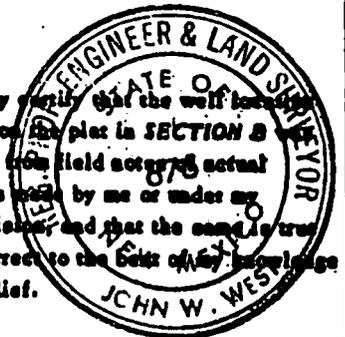
CERTIFICATION

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

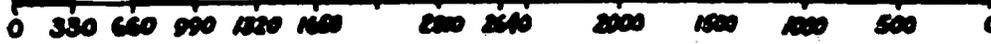
ORIGINAL SIGNED
 -BY-

Name J. M. RUSSELL
Position Area Production Manager
Company Gulf Oil Corporation
Date February 19, 1962

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



Date Surveyed Jan 31, 1962
Registered Professional Engineer and/or Land Surveyor, JOHN W. WEST <i>John W. West</i>
Certificate No. N.M. - P.E. & L.S. NO. 678



/ MEXICO OIL CONSERVATION COMMISS. N
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

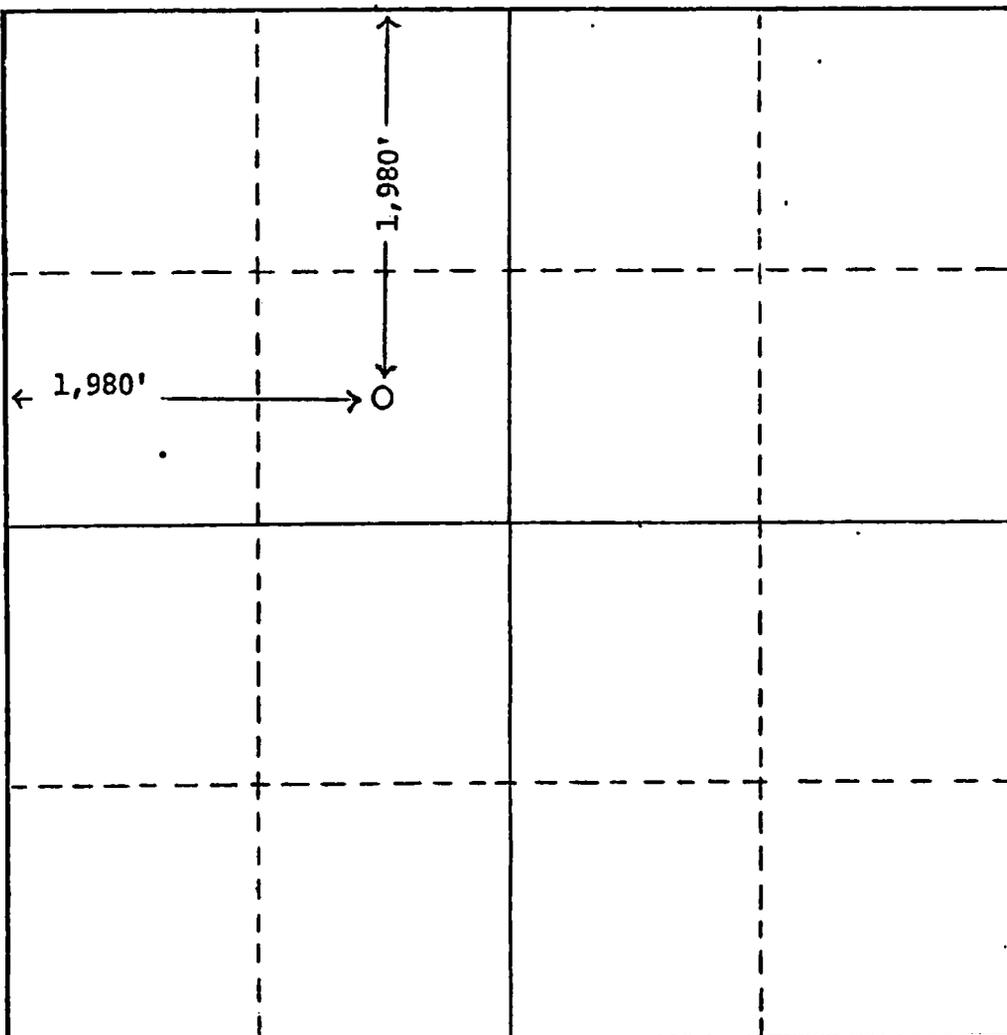
Operator SHENANDOAH OIL CORPORATION			Lease <i>Keohane et al & Federal</i> FEDERAL-KEOHANE "D" (et al)		Well No. 3
Unit Letter F	Section 28	Township 18S	Range 31E	County Eddy	
Actual Footage Location of Well: 1,980 feet from the West line and 1,980 feet from the North line					
Ground Level Elev. 3,621	Producing Formation Queen		Pool Shugart		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Neil F. Toler

Name
Neil F. Toler

Position
Manager/Secondary Rec.

Company
Shenandoah Oil Corp.

Date
December 14, 1972

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 knowledge and belief.

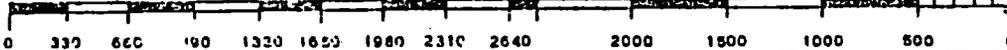
(See original)

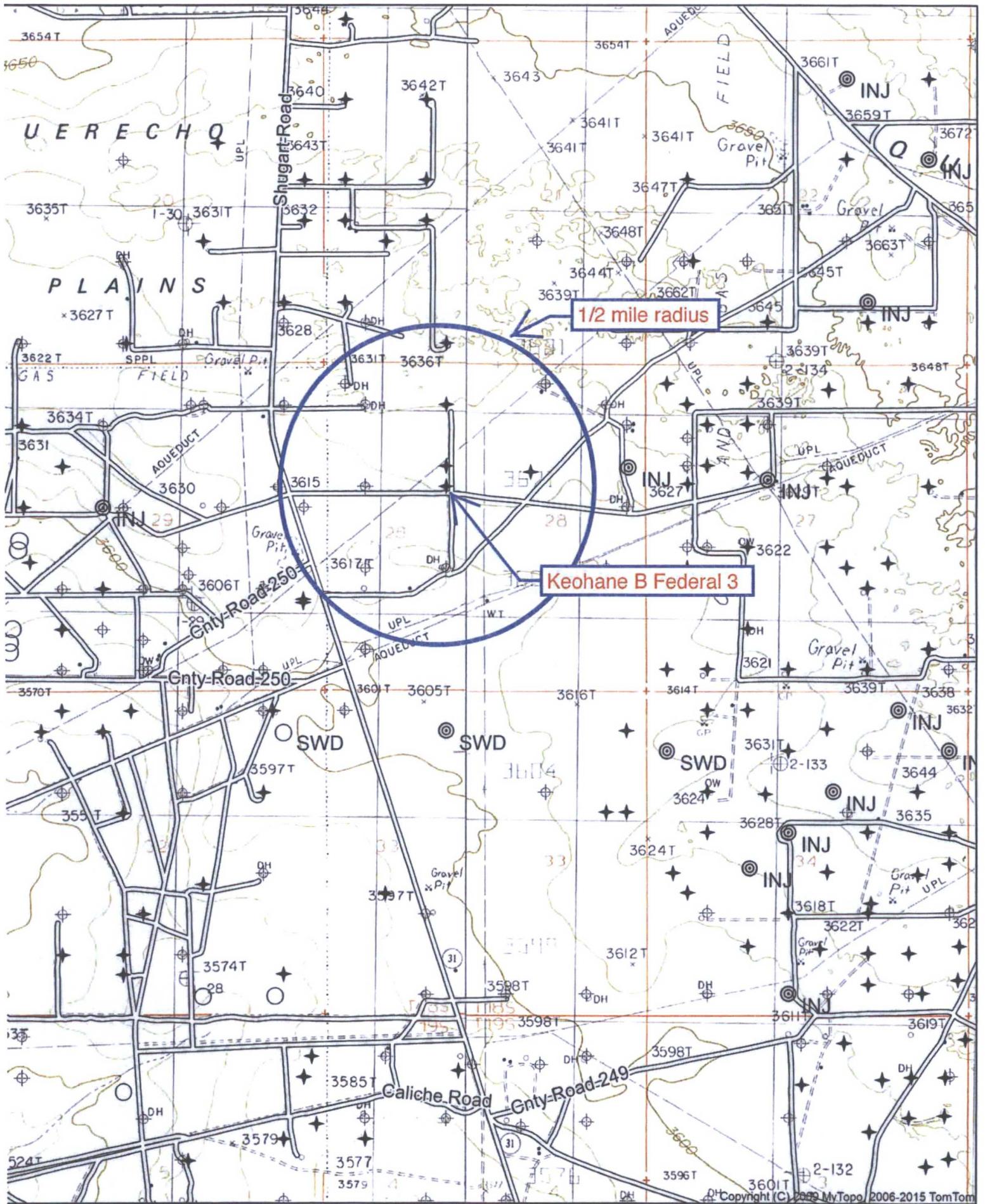
Exte Surveyed

Registered Professional Engineer
and/or Land Surveyor

EXHIBIT A

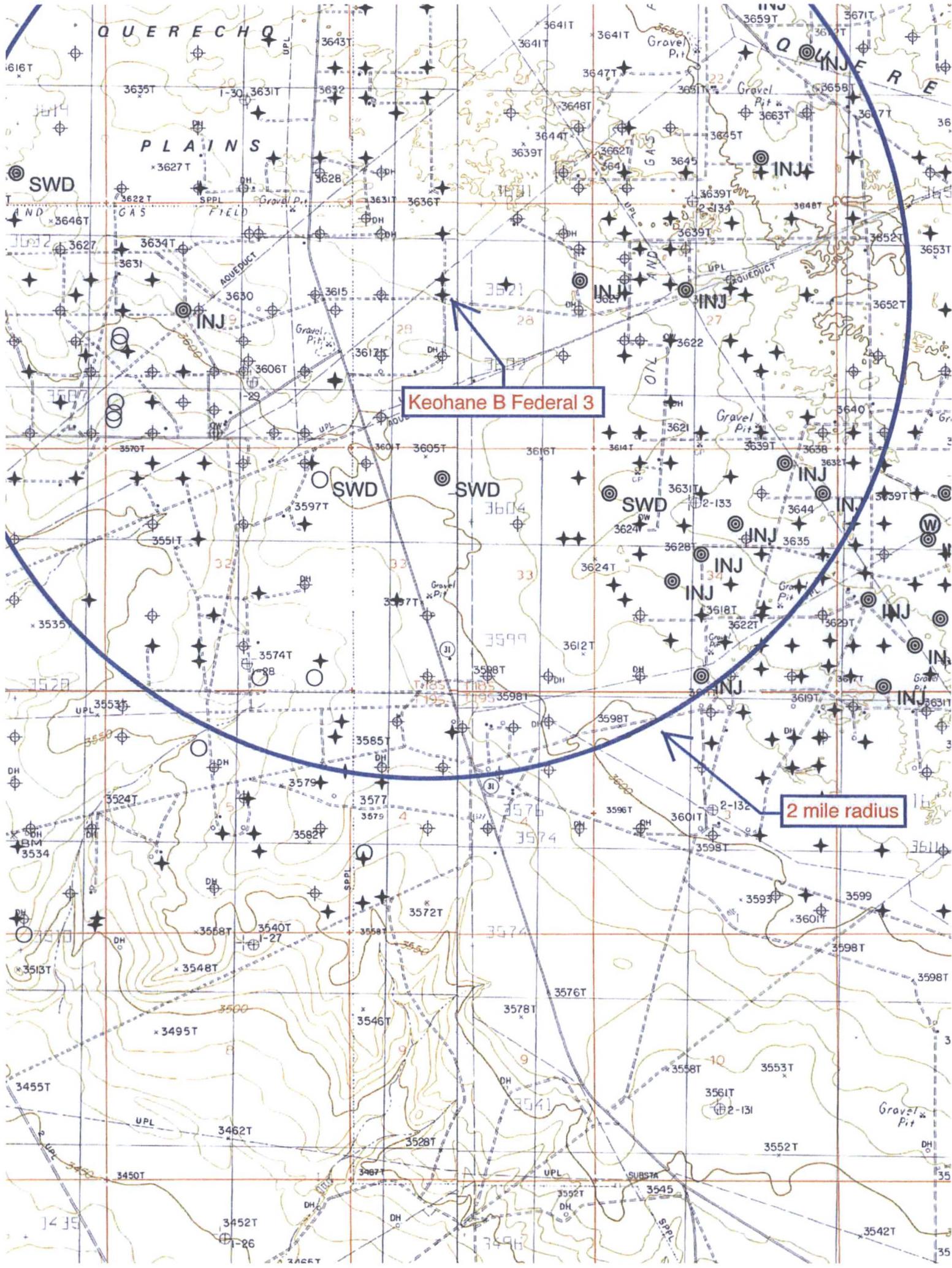
Certificate No.





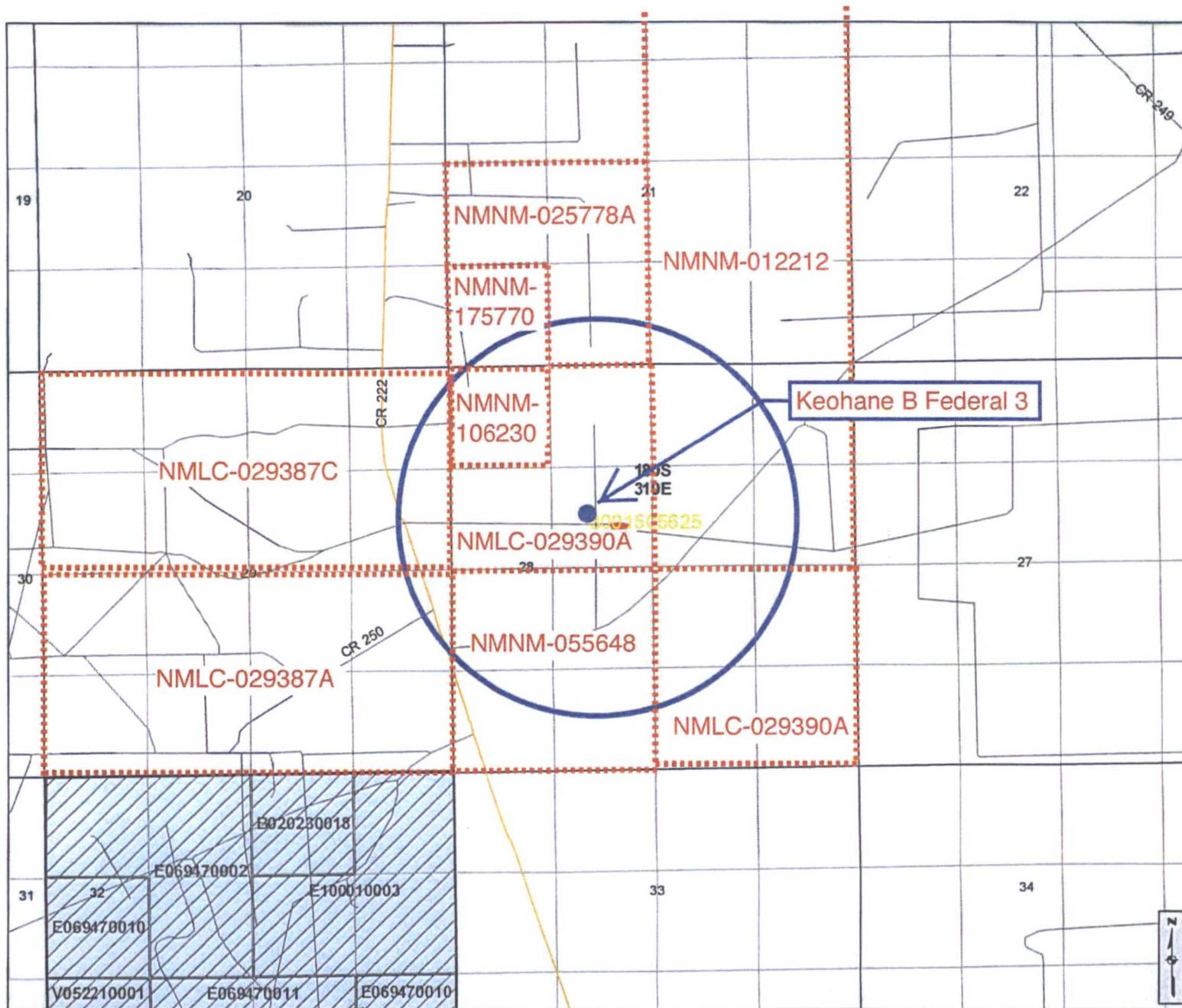
Quad: GREENWOOD LAKE
 Scale: 1 inch = 2,000 ft.

EXHIBIT B



Keohane B Federal 3

2 mile radius



Cartographic Features

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

Federal Minerals Ownership

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

State Trust Lands

- Surface Estate
- Subsurface Estate
- Surface and Subsurface Estate

State Leases

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

Oil and Gas Related Features

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

NMOCD Oil and Gas Wells

- ⊙ CO₂
- ⊙ Gas
- ⊙ Injection
- ⊙ Miscellaneous
- Oil
- ▲ Salt Water Disposal
- ⊕ Water
- ◇ DA or PA

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

0 0.05 0.1 0.2 0.3 0.4
Miles

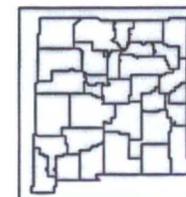
Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

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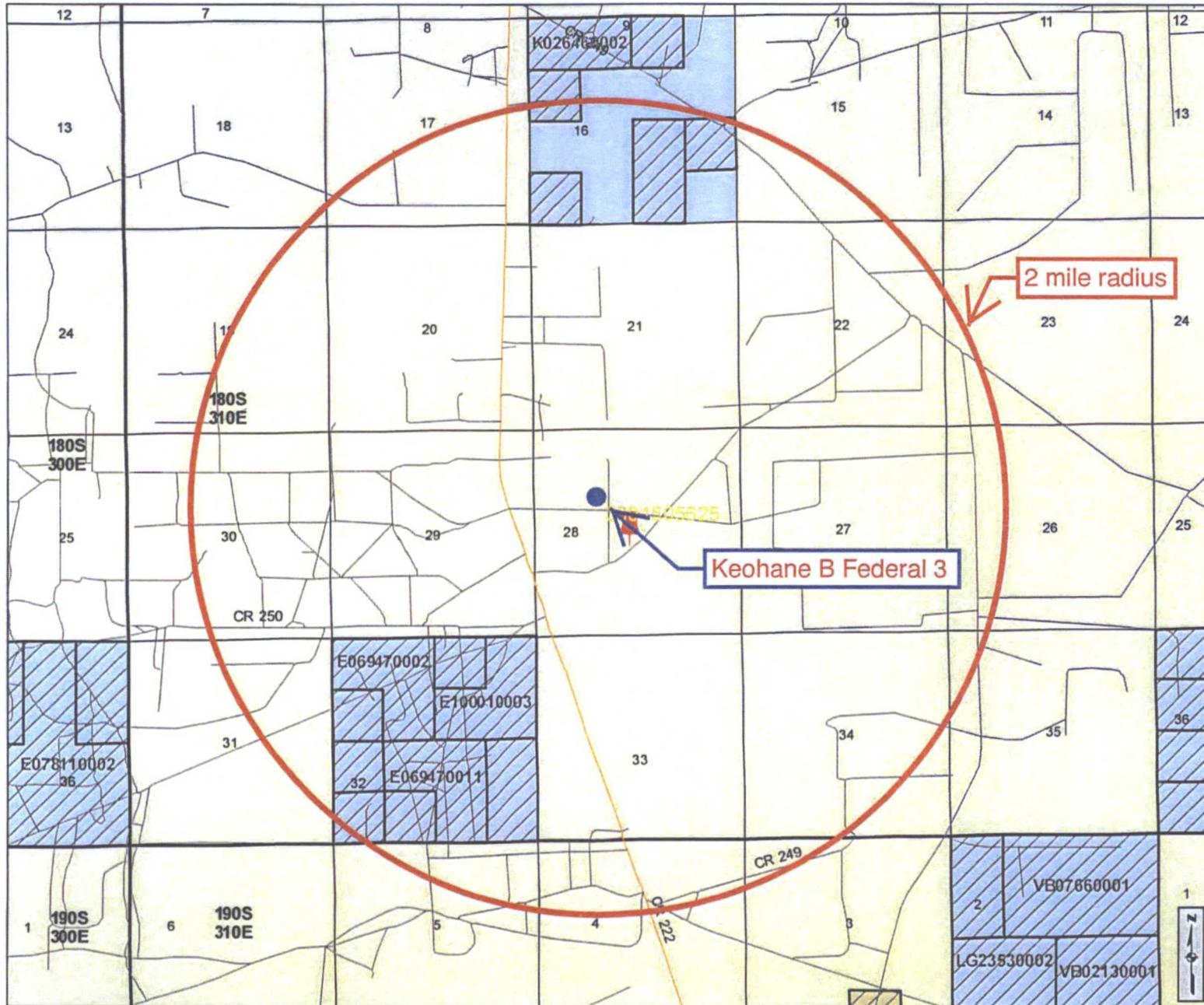
Land Office Geographic Information Center
logic@sls.state.nm.us

Created On: 3/25/2015 10:44:34 AM

EXHIBIT D



www.nmstatelands.org



Cartographic Features

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

Federal Minerals Ownership

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

State Trust Lands

- Surface Estate
- Subsurface Estate
- Surface and Subsurface Estate

State Leases

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

Oil and Gas Related Features

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

NMOCD Oil and Gas Wells

- CO₂
- Gas
- Injection
- Miscellaneous
- Oil
- ▲ Salt Water Disposal
- ◆ Water
- ◆ DA or PA

New Mexico State Land Office

Oil, Gas and Minerals

0 0.1 0.2 0.4 0.6 0.8 Miles

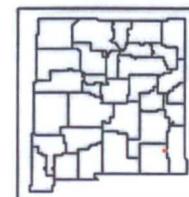
Universal Transverse Mercator Projection, Zone 13
1983 North American Datum

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

Created On: 3/25/2015 10:45:17 AM

EXHIBIT E



www.nmstatelands.org

Sorted by distance from Keohane B Federal 3

API	WHO	UL	T18S, R31E SECTION	TVD	WELL	TYPE WELL	ZONE	FEET FROM SWD
3001530363	Devon	F	28	12050	Shugart 28 Fed. 2	G	Shugart; Morrow (G)	330
3001505624	LG&S	C	28	3650	Keohane B Fed. 2	O	Shugart; Y- 7R-Q-Gray	1320
3001505622	Gulf	K	28	3650	Keohane et al A Fed. 3	P&A	Shugart; Y- 7R-Q-Gray	1320
3001505623	Xeric	E	28	3650	Keohane et al B Fed. 1	P&A	Shugart; Y- 7R-Q-Gray	1326
3001530137	Devon	G	28	11990	Shugart 28 Fed. 1	G	Shugart; Morrow (G)	1403
3001505619	Fullerton	D	28	3653	Little A 1	P&A	Shugart; Y- 7R-Q-Gray	1871
3001505621	Cimarex	L	28	3682	Keohane et al A Fed. 2	P&A	Shugart; Y- 7R-Q-Gray	1872
3001505600	T R Cone	N	21	3621	N. Shugart Queen Unit 11	O	Shugart; Y- 7R-Q-Gray	2310
3001520223	J M Welch	B	28	3965	Gulf B 1	P&A	Shugart; Y- 7R-Q-Gray	2323
3001510113	Chemical Express	D	28	3653	Texaco Fed. 2	P&A	Shugart; Y- 7R-Q-Gray	2339
3001510141	V S Welch	E	29	2740	Kenwood 1	P&A	Shugart; Y- 7R-Q-Gray	2344
3001505630	Cimarex	H	29	4150	Shugart APCO A 3	P&A	Shugart; Y- 7R-Q-Gray	2753

Gulf's Keohane et al A Federal 3
30-015-05622
K-28-18s-31e
spud: 4-7-62
P&A: 5-2-62

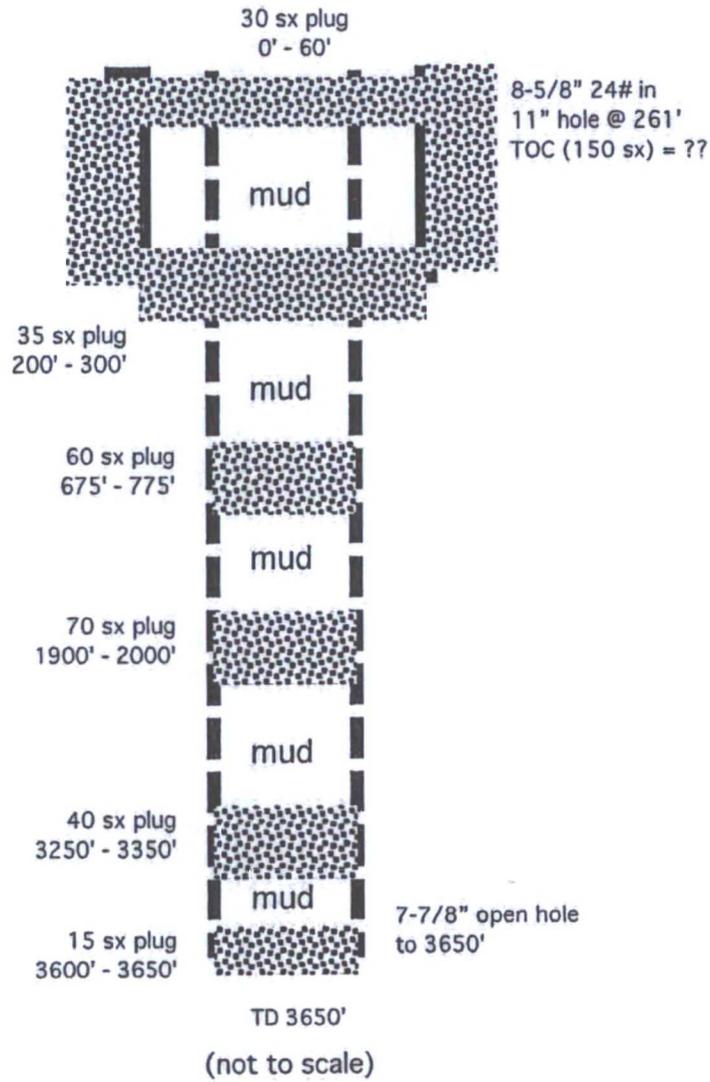


EXHIBIT F

Xeric's Keohane et al B Federal 1
30-015-05623
E-28-18s-31e
spud: 2-22-62
P&A: 5-31-95
water injection well 1972-1993

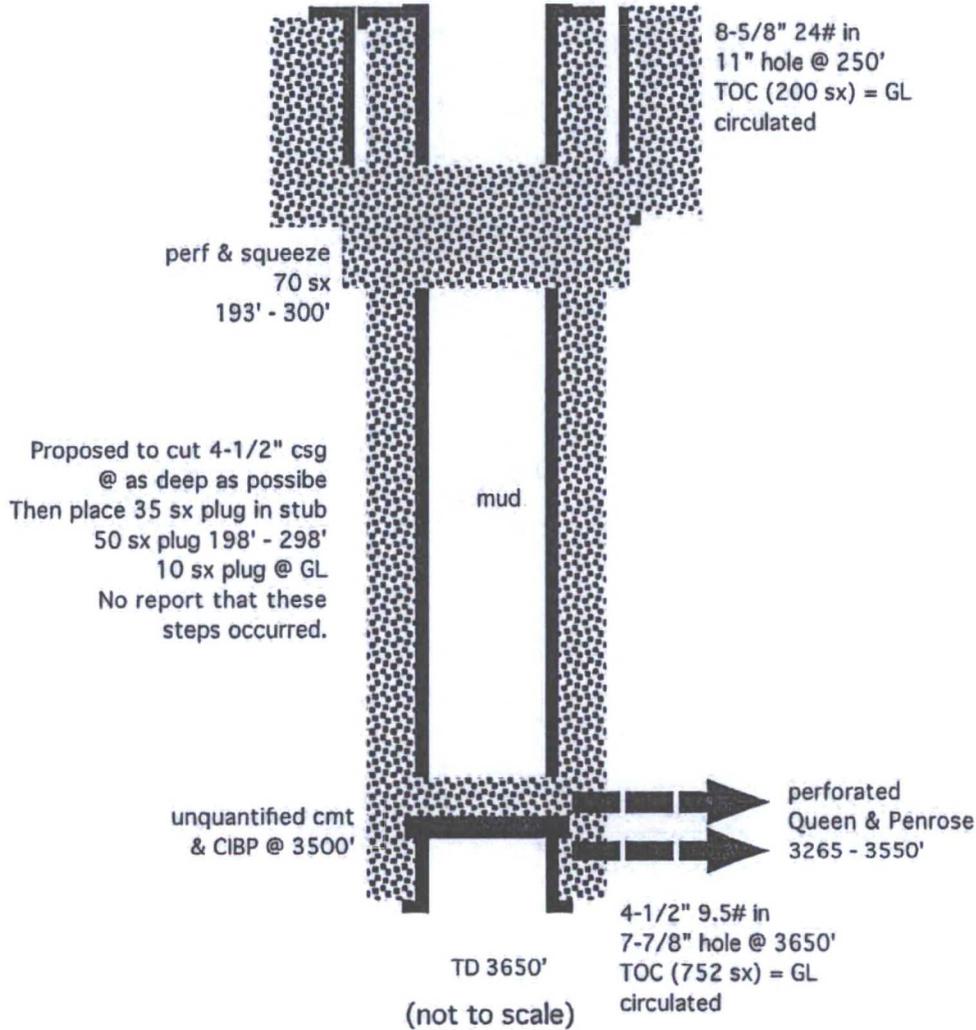


EXHIBIT F

Fullerton's Little A 1
30-015-05619
D-28-18s-31e
spud: 2-18-41
P&A: 7-6-48

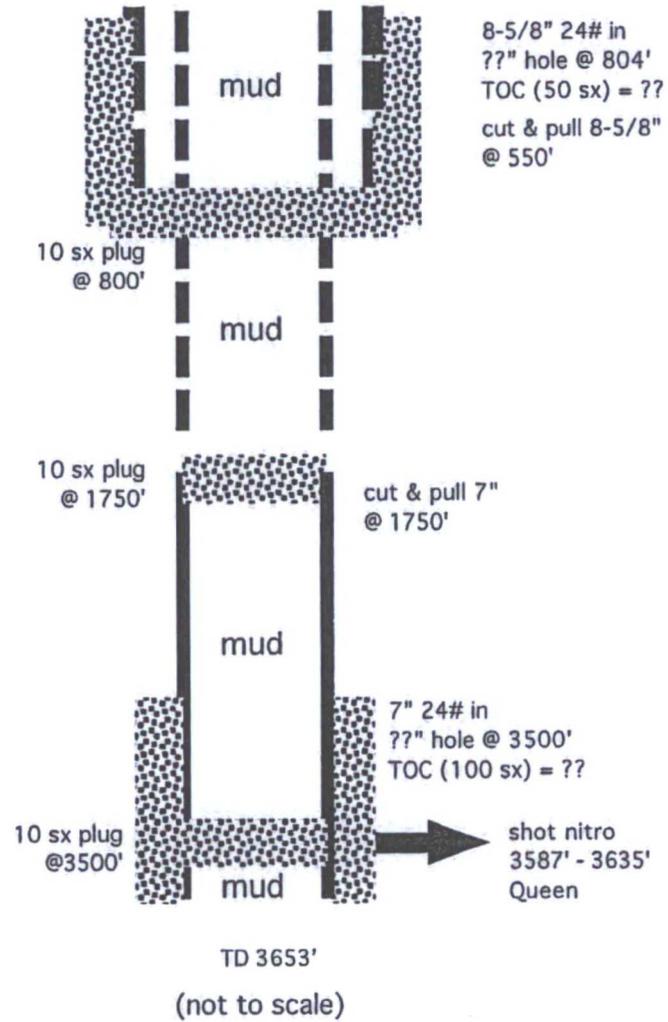


EXHIBIT F

Cimarex's
Keohane et al A Federal 2
30-015-05621
L-28-18s-31e
spud: 12-4-61

GL = 3602'
KB = 3613'

perf & sqz
35 sx
GL - 100'

perf & sqz
35 sx
505' - 637'

perf & sqz
35 sx
843' - 968'

11" hole

8 5/8", 24# . sg @ 918'
cmd 400 sx Circ to surface

85 sx
1678' - 2400'
& CIBP @ 2400'

TOC = 1580 by TS

25 sx
3226' - 3476'
& CIBP @ 3476'

Yates perfs 2441' - 2578'

Queen & Penrose perfs
3332' - 3600'

TD @ 3681'
PBD @ 3641'

4-1/2", 9.5# J-55 @ 3677' cmd w/ 500 sx
7-7/8" hole

Welch's Gulf B 1
30-015-20223
B-28-18s-31e
spud: 5-16-69
P&A: 9-24-91

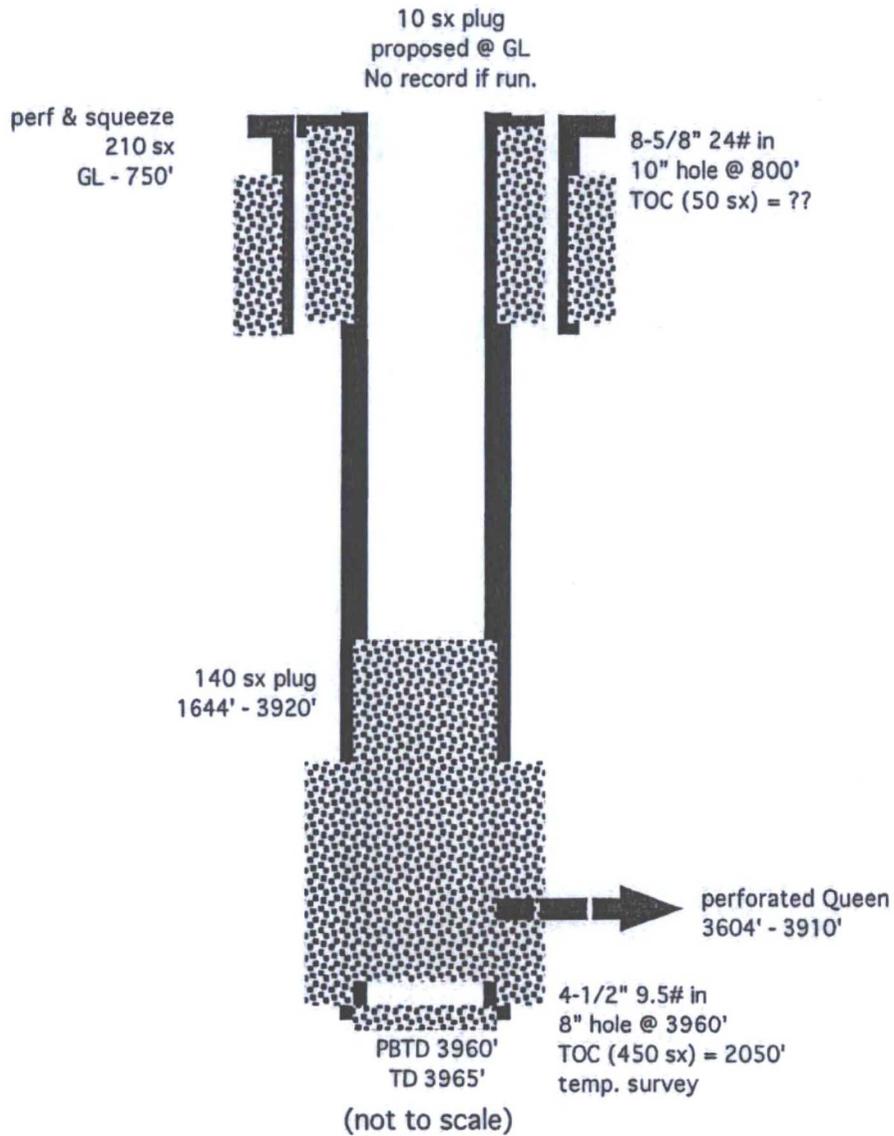


EXHIBIT F

Chemical Express' Texaco Federal 2
30-015-10113
D-28-18s-31e
spud: 7-29-62
P&A: 4-21-63

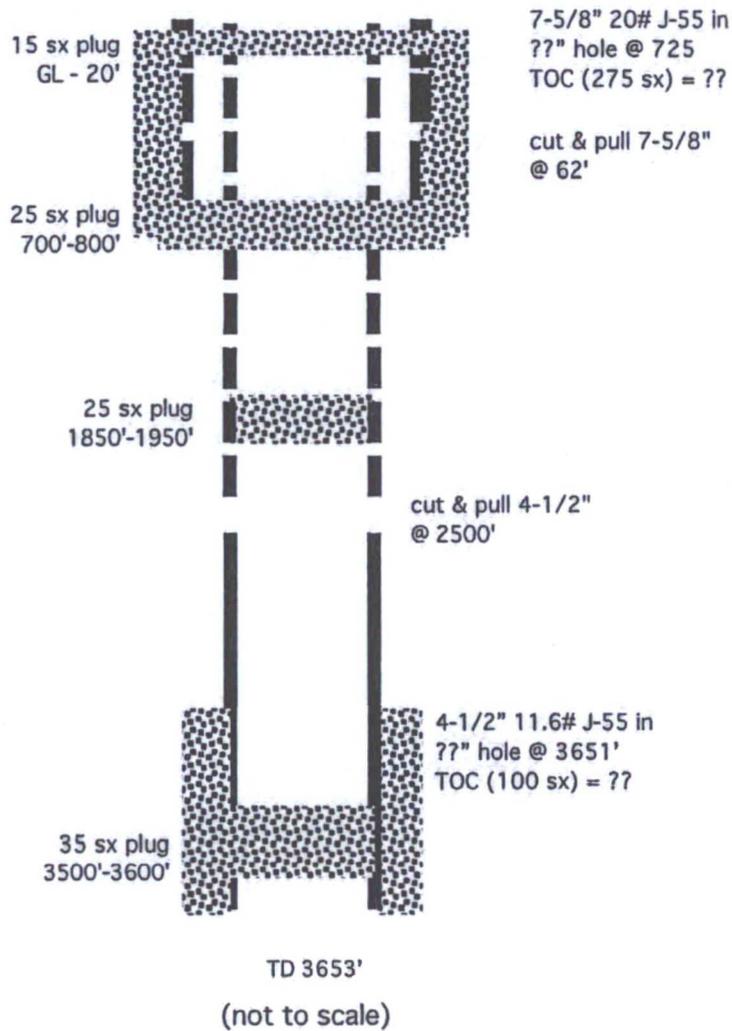


EXHIBIT F

PETROLITE OILFIELD CHEMICALS GROUP
ARTESIA, NEW MEXICO
WATER ANALYSIS REPORT

COMPANY NAME : J.M. WELCH
LEASE NAME : GULF B
SAMPLE POINT : WELL #1
SAMPLE DATE : 2-21-87

30-015-20223
B-28-18s-31e
Welch's Gulf B 1
Queen Fm

PH = 6.50
SAMPLE TEMP. = N/A
H2S (QUALITATIVE) = NEG.
SPECIFIC GRAVITY = 1.120

TITRATED AND CALCULATED IONS

HCO3 (MG/LTR) =	207.00	HCO3 (MEQ/LTR) =	3.39
CL (MG/LTR) =	92312.00	CL (MEQ/LTR) =	2600.34
SO4 (MG/LTR) =	1500.00	SO4 (MEQ/LTR) =	31.25
CA (MG/LTR) =	7120.00	CA (MEQ/LTR) =	356.00
MG (MG/LTR) =	4058.00	MG (MEQ/LTR) =	332.62
NA (MG/LTR) =	44735.00	NA (MEQ/LTR) =	1945.00

IONIC STRENGTH = 2.00
TOTAL HARDNESS = 34499.59
TOTAL DISSOLVED SOLIDS = 149781.68
TOTAL IRON (FE) = 0.0

CA(HCO3)2 (MG/LTR) =	275.00	CA(HCO3)2 (MEQ/LTR) =	3.39
CASO4 (MG/LTR) =	2127.18	CASO4 (MEQ/LTR) =	31.25
CACL2 (MG/LTR) =	17835.29	CACL2 (MEQ/LTR) =	321.35
MG(HCO3)2 (MG/LTR) =	0.0	MG(HCO3)2 (MEQ/LTR) =	0.0
MGSO4 (MG/LTR) =	0.0	MGSO4 (MEQ/LTR) =	0.0
MGCL2 (MG/LTR) =	15839.50	MGCL2 (MEQ/LTR) =	332.62
NAHCO3 (MG/LTR) =	0.0	NAHCO3 (MEQ/LTR) =	0.0
NA2SO4 (MG/LTR) =	0.0	NA2SO4 (MEQ/LTR) =	0.0
NACL (MG/LTR) =	113704.70	NACL (MEQ/LTR) =	1945.00

CALCULATED SCALING TENDENCIES

SCALING INDEX

CACO3 @ 80 DEG F = 0.28
CACO3 @ 120 DEG F = 0.79

SATURATION POINT

CASO4 @ 70 DEG F (MG/LTR) = 2340.04
CASO4 @ 110 DEG F (MG/LTR) = 2319.94
THIS SAMPLE CONTAINED 2127.18 MG/LTR

EXHIBIT G



New Mexico Office of the State Engineer
Active & Inactive Points of Diversion
(with Ownership Information)

No PODs found.

UTMNAD83 Radius Search (in meters):

Easting (X): 605273

Northing (Y): 3620840

Radius: 3220 meters
x 3.28 feet/meter
10,561' (= 2.00 miles)

EXHIBIT H

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.

1/22/15 4:36 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 605273

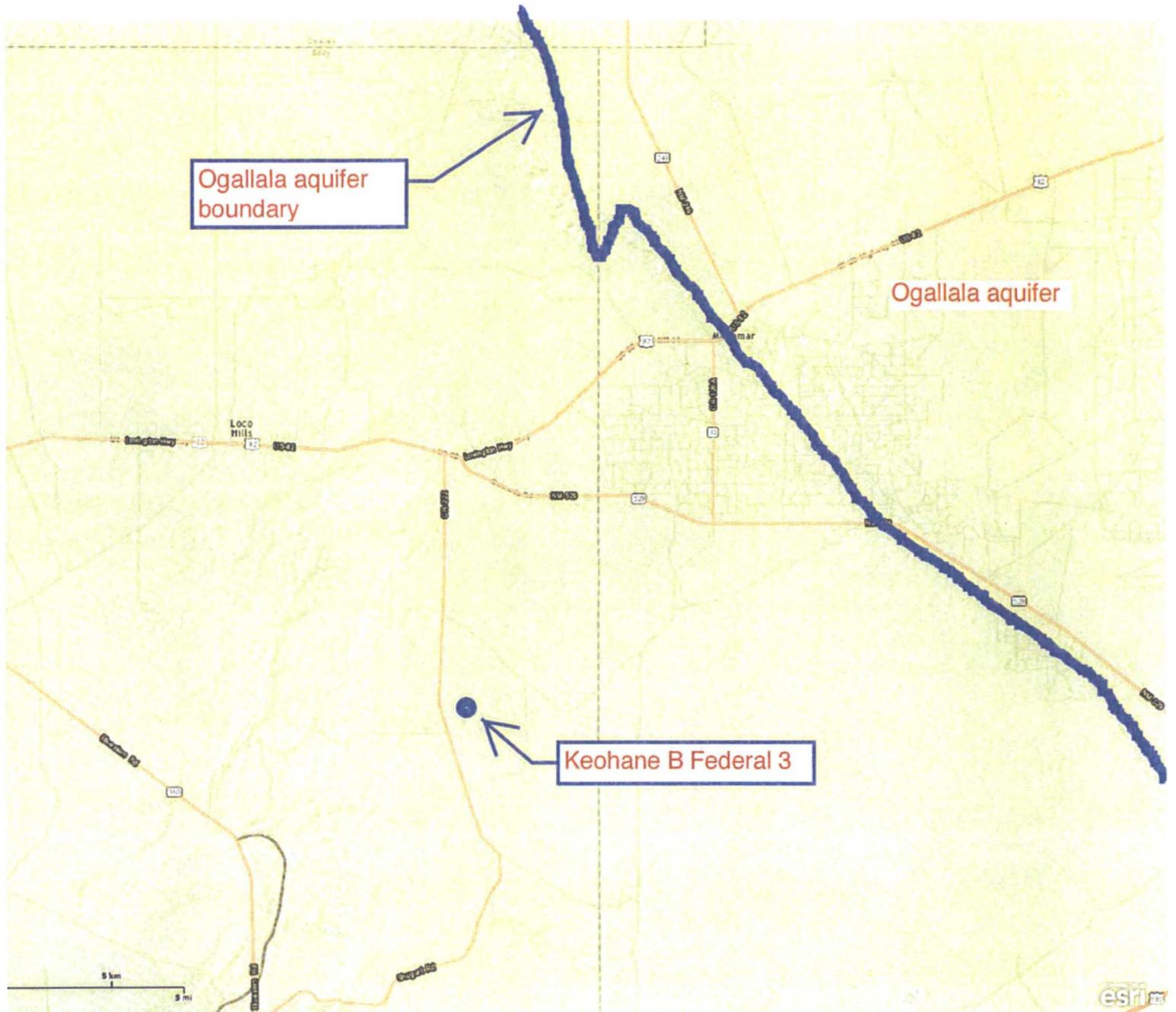
Northing (Y): 3620840

Radius: 3220

EXHIBIT H

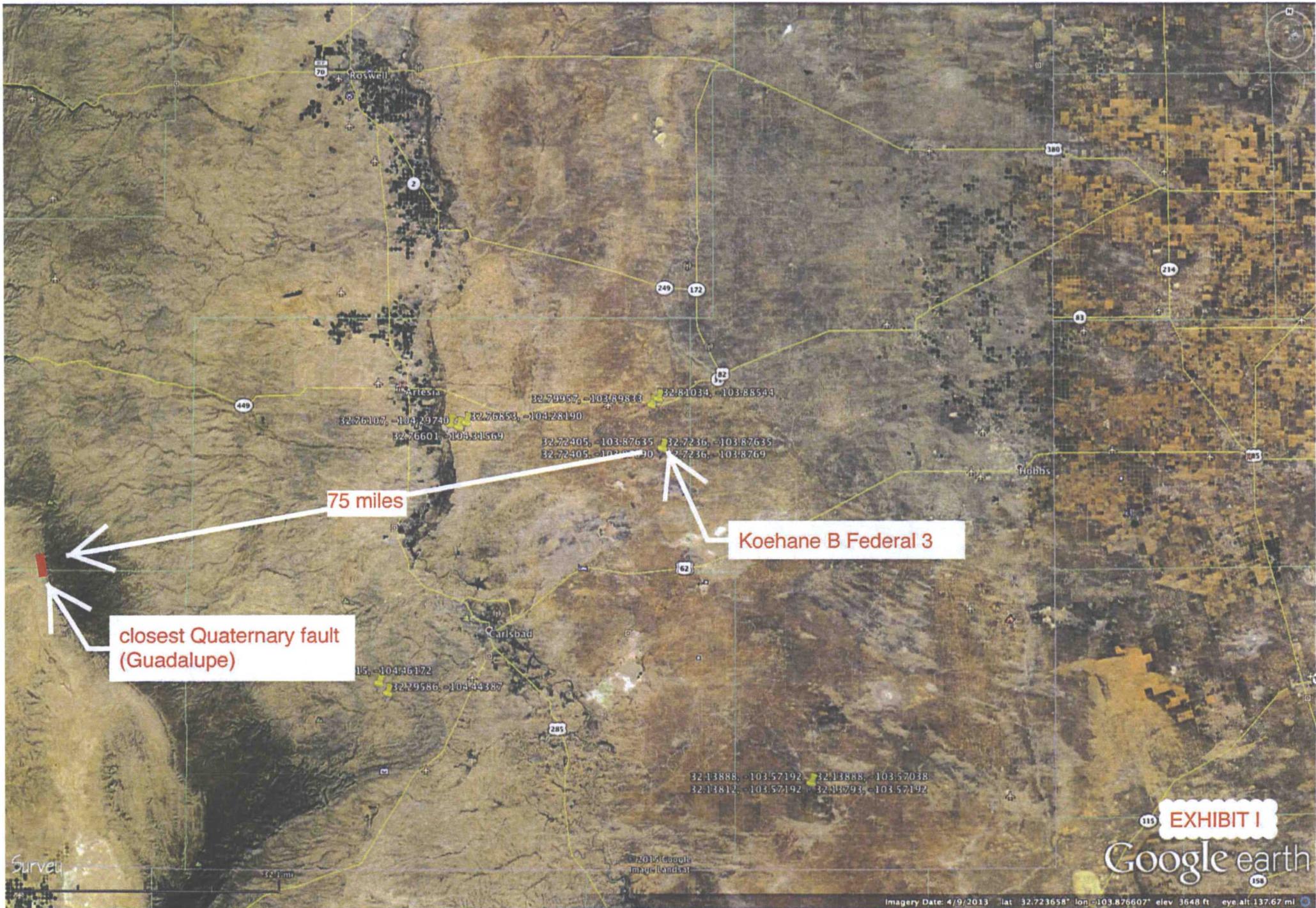
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Ogallala boundary



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EXHIBIT H



Survey

12.1 mi

© 2013 Google
Image Landsat

EXHIBIT I
Google earth

Imagery Date: 4/9/2013 lat: 32.723658° lon: -103.876607° elev: 3648 ft eye alt: 137.67 mi

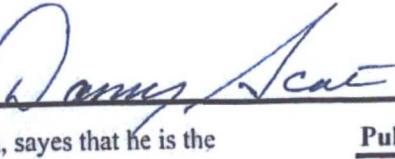
Affidavit of Publication

No. 23329

State of New Mexico

County of Eddy:

Danny Scott



Publisher

being duly sworn, says that he is the

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 Notice

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>January 25, 2015</u>
Second Publication	_____
Third Publication	_____
Fourth Publication	_____
Fifth Publication	_____
Sixth Publication	_____

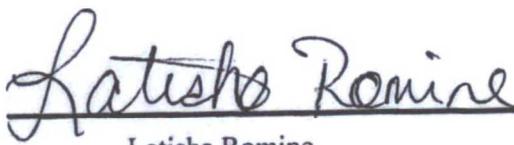
Subscribed and sworn before me this

16th day of January 2015



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2015



Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

LG&S Oil Company, LLC is applying to convert 2 oil wells to saltwater disposal wells. Maximum disposal rate will be 5,000 bwpd per well. Maximum disposal pressure will be 656 psi. Disposal zone will be the Queen. The wells are 9 miles southeast of Loco Hills, NM in Section 28, T. 18 S., R. 31 E. The Keohane B Federal 2 is 660 FNL & 1980 FWL. Disposal interval will be 3284' - 3546'. The Keohane B Federal 3 is 1980 FNL & 1980 FWL. Disposal interval will be 3280' - 3570'. Interested parties must file objections or requests for hearing with the NM Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505 within 15 days. Additional information can be obtained by contacting: Brian Wood, Permits West, Inc., 37 Verano Loop, Santa Fe, NM 87508. Phone number is (505) 466-8120.
Published in the Artesia Daily Press, Artesia, N.M., January 25, 2015 Legal No. 23329.

EXHIBIT J



April 6, 2015

April 6, 2015

Concho Oil & Gas LLC
600 W Illinois Ave, One Concho Center
Midland TX 79701-4882

LG&S Oil Company, LLC is applying (see attached application) to convert its Keohane B Federal 3 well to a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed saltwater disposal well in Eddy County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Keohane B Federal 3 (BLM lease NMLC-029390A) ID = 3,650'
Proposed Disposal Zone: Queen (3,280' - 3,570)
Location: 1980' FNL & 1980' FWL Sec. 28, T. 18 S., R. 31 E.
Approximate Location: 9 air miles southeast of Loco Hills, NM
Applicant Name: LG&S Oil Company, LLC (575) 390-0581
Applicant's Address: P. O. Box 2081, Lovington NM 88260

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

Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

BLM
620 E. Greene
Carlsbad NM 88220.

LG&S Oil Company, LLC is applying (see attached application) to convert its Keohane B Federal 3 well to a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed saltwater disposal well in Eddy County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

EXHIBIT K

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Sent To
Concho Oil & Gas LLC
600 W Illinois Ave
One Concho Center
Midland TX 79701-4882
I G&S Keohane Fed 3

7012 1010 0000 4651 3760

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Total Postage & Fees	\$	

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Sent To
BLM
Carlsbad



April 6, 2015

18-31 Inc
PO Box 1120
Roswell NM 88201

LG&S Oil Company, LLC is applying (see attached application) to convert its Keohane B Federal 3 well to a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed saltwater disposal well in Eddy County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Approximate Location: 9 air miles southeast of Loco Hills, NM
Applicant Name: LG&S Oil Company, LLC (575) 390-0581
Applicant's Address: P. O. Box 2081, Lovington NM 88260

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

Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

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87552

Sent To: 18-31 Inc
 Street, Apt. No., or PO Box No.: PO Box 1120
 City, State, ZIP+4: Roswell NM 88201
 LG&S Keohane Fed 3

EXHIBIT K



April 6, 2015

Devon Energy Prod. Co. LP
333 W. Sheridan Ave.
Oklahoma City OK 73102-5010

LG&S Oil Company, LLC is applying (see attached application) to convert its Keohane B Federal 3 well to a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed saltwater disposal well in Eddy County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Applicant's Address: P. O. Box 2081, Lovington NM 88260

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

Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

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

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Sent To: Devon Energy Prod. Co. LP
 Street, Apt. No., or PO Box No.: 333 W. Sheridan Ave.
 City, State, ZIP+4: Oklahoma City OK 73102-5010
 LG&S Keohane Fed 3



April 6, 2015

April 6, 2015

Claire Ann Iverson
2005 Kidwell St
Dallas TX 75214

Siegfried James III Iverson
PO Box 4095
Midland TX 79704

LG&S Oil Company, LLC is applying (see attached application) to convert its Keohane B Federal 3 well to a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed saltwater disposal well in Eddy County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Applicant's Address: P. O. Box 2081, Lovington NM 88260

Well Name: Keohane B Federal 3 (BLM lease NMLC-029390A) ID = 3,650'
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Location: 1980' FNL & 1980' FWL Sec. 28, T. 18 S., R. 31 E.
Approximate Location: 9 air miles southeast of Loco Hills, NM
Applicant Name: LG&S Oil Company, LLC (575) 390-0581
Applicant's Address: P. O. Box 2081, Lovington NM 88260

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

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

Please call me if you have any questions.

Please call me if you have any questions.

Sincerely,

Sincerely,

Brian Wood

Brian Wood

Brian Wood

Brian Wood

7012 1010 0000 4651 3326

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Total Postage & Fees	\$

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Sent To
Claire Ann Iverson
2005 Kidwell St
Dallas TX 75214
City, State, ZIP+4 LG&S Keohane Fed 3

EXHIBIT K

7012 1010 0000 4651 3333

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Total Postage & Fees	\$

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87562

Sent To
Siegfried James III Iverson
PO Box 4095
Midland TX 79704
City, State, ZIP+4 LG&S Keohane Fed 3



April 6, 2015

April 6, 2015

Wendell W Iverson
PO Box 1343
Midland TX 79702

Patsy Page-Iverson
1155 Muirlands Vista Way
La Jolla CA 92037

LG&S Oil Company, LLC is applying (see attached application) to convert its Keohane B Federal 3 well to a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed saltwater disposal well in Eddy County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Well Name: Keohane B Federal 3 (BLM lease NMLC-029390A) ID = 3,650'
Proposed Disposal Zone: Queen (3,280' - 3,570)
Location: 1980' FNL & 1980' FWL Sec. 28, T. 18 S., R. 31 E.
Approximate Location: 9 air miles southeast of Loco Hills, NM
Applicant Name: LG&S Oil Company, LLC (575) 390-0581
Applicant's Address: P. O. Box 2081, Lovington NM 88260

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Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 478-3440.

Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 478-3440.

Please call me if you have any questions.

Please call me if you have any questions.

Sincerely,

Sincerely,

Brian Wood

Brian Wood

7012 1010 0000 4651 3340

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Certified Fee	
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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	87552
Sent To Wendell W Iverson	
Street, Apt. No., or PO Box No. PO Box 1343	
City, State, ZIP+4 Midland TX 79702	
LG&S Keohane Fed-3	

EXHIBIT K

7012 1010 0000 4651 3357

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Postage	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	87552
Sent To Patsy Page-Iverson	
Street, Apt. No., or PO Box No. 1155 Muirlands Vista Way	
City, State, ZIP+4 La Jolla CA 92037	
LG&S Keohane Fed-3	



April 6, 2015

Magnum Hunter Production Inc.
202 S. Cheyenne Ave, STE 1000
Tulsa OK 74103-3001

LG&S Oil Company, LLC is applying (see attached application) to convert its Keohane B Federal 3 well to a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed saltwater disposal well in Eddy County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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

Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

7012 1010 0000 4651 3371

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

Sent To: **Magnum Hunter Production Inc.
202 S. Cheyenne Ave, STE 1000
Tulsa OK 74103-3001
LG&S Keohane Fed 3**

Direct, Apt. No., or PO Box No.
City, State, ZIP+4

April 6, 2015

Penwell Energy Inc.
600 N. Marienfeld #1100
Midland TX 79701

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Sincerely,

Brian Wood

Brian Wood

EXHIBIT K

7012 1010 0000 4651 3371

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

Sent To: **Penwell Energy Inc.
600 N. Marienfeld #1100
Midland TX 79701
LG&S Keohane Fed 3**

Direct, Apt. No., or PO Box No.
City, State, ZIP+4



April 6, 2015

April 6, 2015

S & P Co.
330 Marshall St #300
Shreveport LA 71101

Sklarco LLC
PO Box 1753
Shreveport LA 71166

LG&S Oil Company, LLC is applying (see attached application) to convert its Keohane B Federal 3 well to a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed saltwater disposal well in Eddy County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Please call me if you have any questions.

Sincerely,

Sincerely,

Brian Wood

Brian Wood

EXHIBIT K

7012 1010 0000 4651 3395

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Postage	\$	
Certified Fee		APR-6 2015
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		87552
Total Postage & Fees	\$	

Sent To
Street, Apt. No., or PO Box No. S & P Co. 330 Marshall St #300
City, State, ZIP+4 Shreveport LA 71101 LG&S Keohane Fed 3

7012 1010 0000 4651 3395

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Postage	\$	
Certified Fee		APR-6 2015
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		87552
Total Postage & Fees	\$	

Sent To
Street, Apt. No., or PO Box No. Sklarco LLC PO Box 1753
City, State, ZIP+4 Shreveport LA 71166 LG&S Keohane Fed 3



April 6, 2015

April 6, 2015

Endergen Resources Co.
605 Richard Arrington Jr Blvd.
Birmingham AL 35203-2707

Fidelity Expl & Prod Co.
1700 Lincoln St., STE 4600
Denver CO 80203-4509

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Please call me if you have any questions.

Please call me if you have any questions.

Sincerely,

Sincerely,

Brian Wood

Brian Wood

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Postage	\$ 1.82
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Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.82

7012 1010 0000 4654 3438

RECOS NM
Postmark
APR-6 2015
87552

Sent To
Endergen Resources Co.
605 Richard Arrington Jr Blvd.
Birmingham AL 35203-2707
LG&S Keohane Fed 3

EXHIBIT K

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Postage	\$ 4.82
Certified Fee	
Return Receipt Fee (Endorsement Required)	87552
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

7012 1010 0000 4654 3438

Postmark Here

Sent To
Fidelity Expl & Prod Co.
1700 Lincoln St., STE 4600
Denver CO 80203-4509
LG&S Keohane Fed 3



April 6, 2015

Jim Pierce
200 W 1st CT #859
Roswell NM 88201

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Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

7012 1010 0000 4651 3425

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For delivery information visit our website at www.usps.com	
Postage	\$
Certified Fee	1.34 - 6 2015
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	87552
Total Postage & Fees	\$
Sent To Jim Pierce Street, Apt. No., or PO Box No. 200 W 1st CT #859 Roswell NM 88201 City, State, ZIP+4 LG&S Keohane Fed 3	

EXHIBIT K

April 6, 2015

Pete Mills
706 Boyd Ave
Midland TX 79705

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Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

2546 1010 0000 4651 3432

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For delivery information visit our website at www.usps.com	
Postage	\$
Certified Fee	1.34 - 6 2015
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	87552
Total Postage & Fees	\$
Sent To Pete Mills Street, Apt. No., or PO Box No. 706 Boyd Ave Midland TX 79705 City, State, ZIP+4 LG&S Keohane Fed 3	



April 6, 2015

April 6, 2015

Momentum Operating Co
224 S. Main
Albany TX 76430

John D Pool
PO Box 5441
Midland TX 79704

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Please call me if you have any questions.

Please call me if you have any questions.

Sincerely,

Sincerely,

EXHIBIT K

Brian Wood

7012 1010 0000 4651 3444

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Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required) 87552

Total Postage & Fees \$

Sent To **Momentum Operating Co**

Street, Apt. No., or PO Box No. **224 S. Main**

City, State, ZIP+4 **Albany TX 76430**
LG&S Keohane Fed 3

Brian Wood

7012 1010 0000 4651 3456

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Certified Fee \$ 4.75 - 6 2015

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required) 87552

Total Postage & Fees \$

Sent To **John D Pool**

Street, Apt. No., or PO Box No. **PO Box 5441**

City, State, ZIP+4 **Midland TX 79704**
LG&S Keohane Fed 3



April 6, 2015

Steve Sell
PO Box 5061
Midland TX 79704

LG&S Oil Company, LLC is applying (see attached application) to convert its Keohane B Federal 3 well to a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed saltwater disposal well in Eddy County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Handwritten signature

Brian Wood

7012 1010 0000 4651 3470

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

PECOS, NM
APR - 6 2015
87562

Sent To: **Steve Sell**
PO Box 5061
Midland TX 79704
LG&S Keohane Fed 3

Street, Apt. No., or PO Box No.
 City, State, ZIP+4

EXHIBIT K

April 6, 2015

Southwest Reserves
200 Crescent CT #1310
Dallas TX 75201

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Please call me if you have any questions.

Sincerely,

Handwritten signature

Brian Wood

7012 1010 0000 4651 3470

U.S. Postal Service™
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Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

PECOS, NM
APR - 6 2015
87562

Sent To: **Southwest Reserves**
200 Crescent CT #1310
Dallas TX 75201
LG&S Keohane Fed 3

Street, Apt. No., or PO Box No.
 City, State, ZIP+4



April 6, 2015

Southwest Royalties Inc
#8 Desta Dr #2100
Midland TX 79705

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Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

7012 1010 0000 4651 3487

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Postage	\$	
Certified Fee		APR -6 2015
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		87552
Total Postage & Fees	\$	

Sent To: Southwest Royalties Inc
 Street, Apt. No., or PO Box No.: #8 Desta Dr #2100
 City, State, ZIP+4: Midland TX 79705 LG&S Keohane Fed 3

EXHIBIT K

April 6, 2015

Nearburg Expl Co LLC
3300 N A ST #120
Midland TX 79705

LG&S Oil Company, LLC is applying (see attached application) to convert its Keohane B Federal 3 well to a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed saltwater disposal well in Eddy County, NM. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Keohane B Federal 3 (BLM lease NMLC-029390A) **ID = 3,650'**
Proposed Disposal Zone: Queen (3,280' - 3,570)
Location: 1980' FNL & 1980' FWL Sec. 28, T. 18 S., R. 31 E.
Approximate Location: 9 air miles southeast of Loco Hills, NM
Applicant Name: LG&S Oil Company, LLC (575) 390-0581
Applicant's Address: P. O. Box 2081, Lovington NM 88260

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

Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

7012 1010 0000 4651 3494

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

Sent To: Nearburg Expl Co LLC
 Street, Apt. No., or PO Box No.: 3300 N A ST #120
 City, State, ZIP+4: Midland TX 79705 LG&S Keohane Fed 3



April 6, 2015

April 6, 2015

Rost Energy Co Inc
PO Box 5171
Pittsburgh PA 15206

COG Operating LLC
600 W Illinois Ave
Midland TX 79701-4882

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Sincerely,

Sincerely,

Brian Wood

Brian Wood

Brian Wood

Brian Wood

7012 1010 0000 4651 3500

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

Sent To: **Rost Energy Co Inc**
Street, Apt. No., or PO Box No.: **PO Box 5171**
City, State, ZIP+4: **Pittsburgh PA 15206**
LG&S Keohane Fed 3

EXHIBIT K

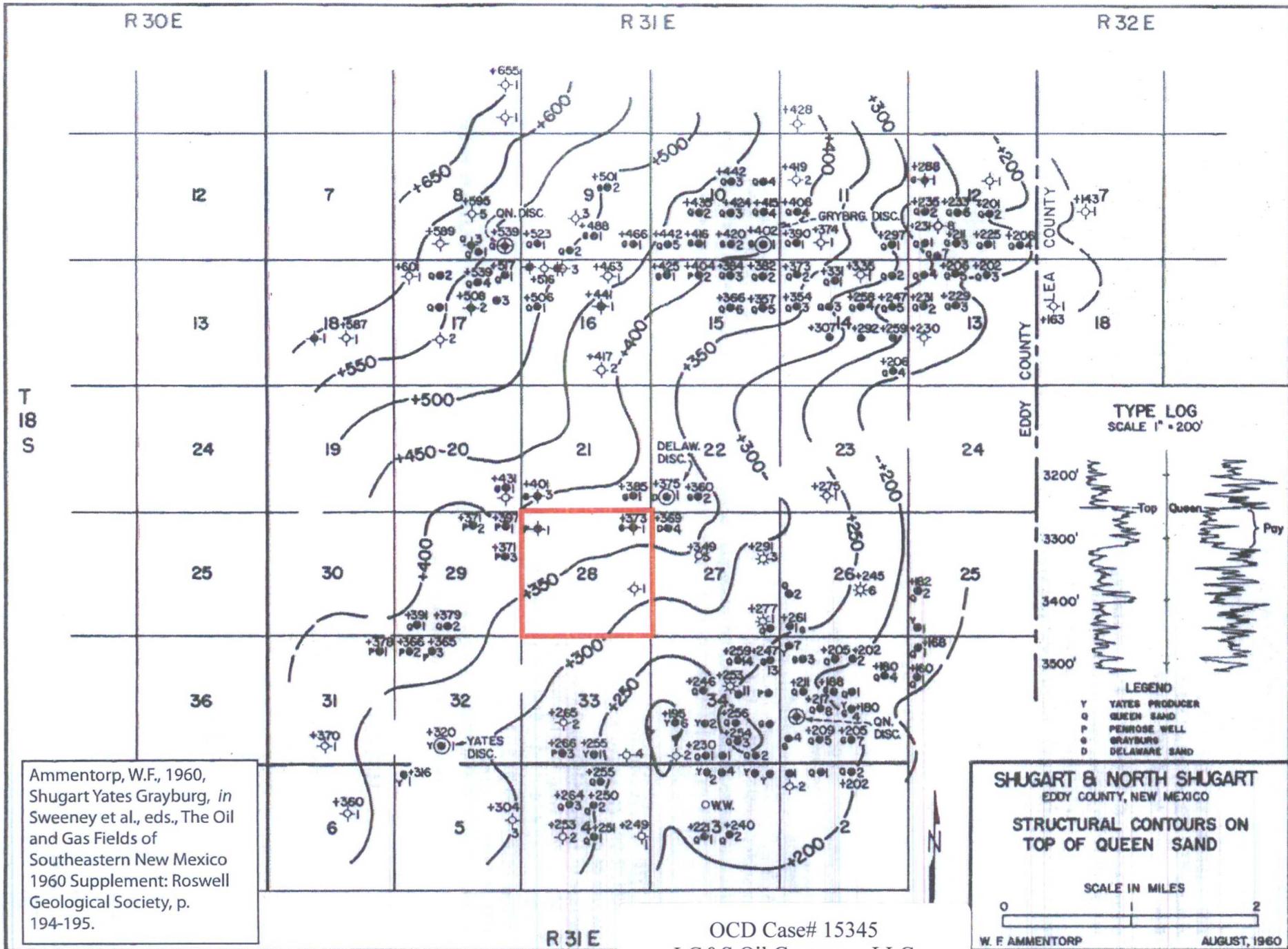
7012 1010 0000 4651 3517

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Certified Fee		APR - 6 2015
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		87552
Total Postage & Fees	\$	

Sent To: **COG Operating LLC**
Street, Apt. No., or PO Box No.: **600 W Illinois Ave**
City, State, ZIP+4: **Midland TX 79701-4882**
LG&S Keohane Fed 3



Ammentorp, W.F., 1960, Shugart Yates Grayburg, in Sweeney et al., eds., The Oil and Gas Fields of Southeastern New Mexico 1960 Supplement: Roswell Geological Society, p. 194-195.

SHUGART & NORTH SHUGART
 EDDY COUNTY, NEW MEXICO

STRUCTURAL CONTOURS ON TOP OF QUEEN SAND

SCALE IN MILES

0 1 2

W. F. AMMENTORP AUGUST, 1960

OCD Case# 15345
 LG&S Oil Company, LLC
 November 12, 2015 2/4/16
 Ex# 2

30-015-22131 (Keohane C Fed 1)
 ref elev: 3670 ft amsl
 GR/density
 T18S, R31E, sec 21
 (1980 fsl, 990 fwl)

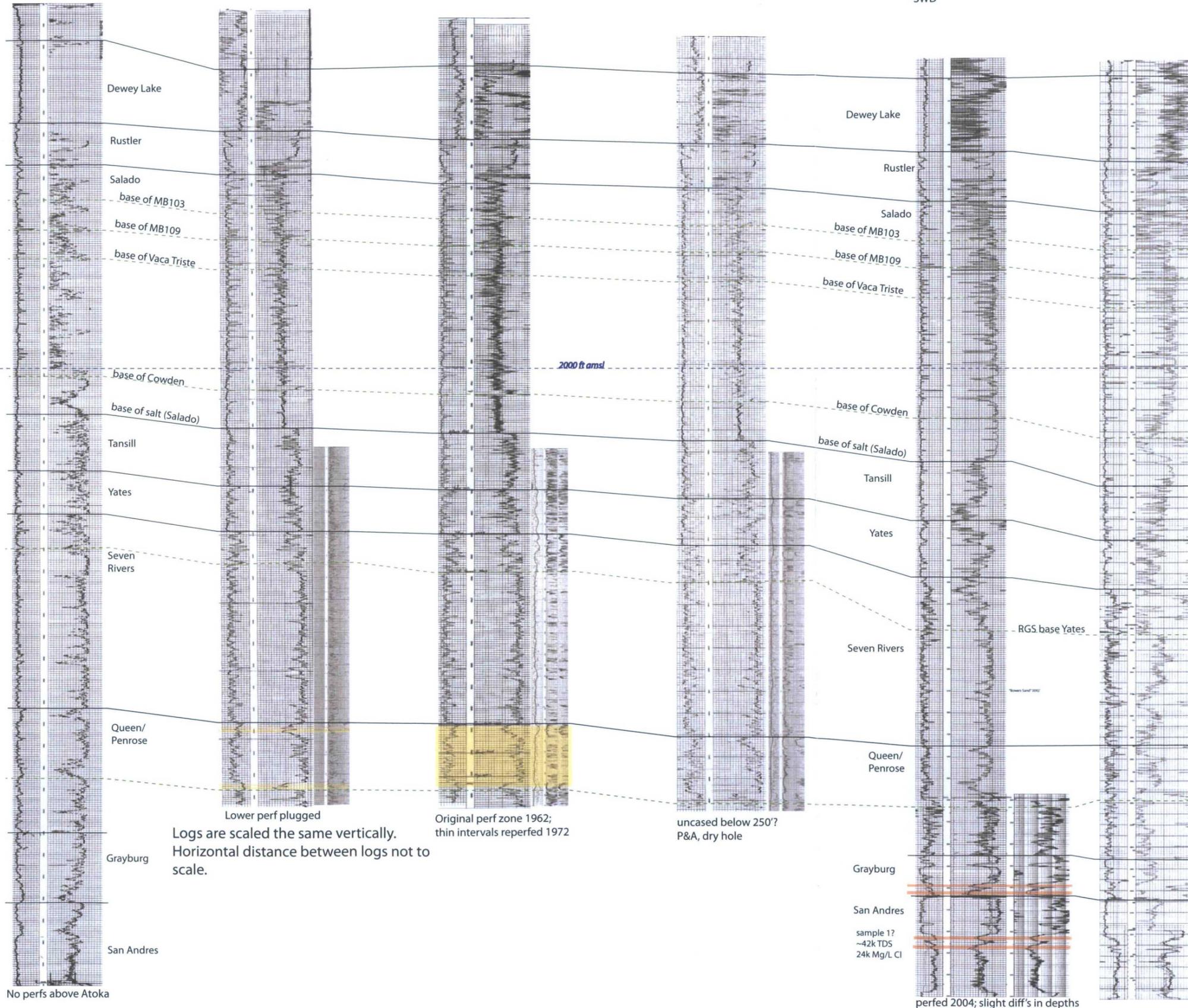
30-015-05624 (Keohane B Fed 2)
 ref elev: 3640 ft amsl
 GR/sonic/resistivity (focused)
 T18S, R31E, sec 28
 (1980 fsl, 1980 fwl)

30-015-05625 (Keohane B Fed 3)
 ref elev: 3631 ft amsl
 GR/sonic/caliper/resistivity
 T18S, R31E, sec 28
 (1980 fsl, 1980 fwl)

30-015-05622 (Keohane A Fed 3)
 ref elev: 3617 ft amsl
 GR/sonic/caliper/resistivity
 T18S, R31E, sec 28
 (1980 fsl, 1980 fwl)

30-015-32122 (T-Bone Fed 1)
 ref elev: 3617 ft amsl
 GRN/density/caliper/resistivity
 T18S, R31E, sec 33
 (660 fsl, 1980 fwl)
 SWD

30-015-33672 (Blind Squirrel Fed 1)
 ref elev: 3609 ft amsl
 GRN/density
 T18S, R31E, sec 33
 (1980 fsl, 990 fwl)



Logs are scaled the same vertically.
 Horizontal distance between logs not to scale.

Original perf zone 1962;
 thin intervals reperfed 1972

uncased below 250'
 P&A, dry hole

sample 17
 ~42k TDS
 24k Mg/L Cl

perfed 2004; slight diff's in depths

North (left) - South (right) Geophysical Log
 Cross-section Through Proposed LG&S SWD
 (section 28, T18S, R31E)

- Zone perforated for SWD
- Zone perforated for production



Dennis W. Powers, Ph.D.
 Consulting Geologist
 November 2015

Prepared for use by Padilla Law Firm, P.A.
 and their client.

30-015-26667 (Shugart A 011)
 ref elev: 3600 ft amsl
 GRN/caliper/density/resistivity
 T18S, R31E, sec 29
 (990 fsl, 1650 fwl)

30-015-31221
 (West Shugart 29 Fed 5)
 ref elev: 3622 ft amsl
 GRN/density/caliper
 T18S, R31E, sec 29
 (1880 fsl, 2210 fel)

30-015-05640 SWD
 (Keohane B Fed 2)
 ref elev: 3609 ft amsl
 GRN
 T18S, R31E, sec 29
 (1650 fsl, 990 fel)

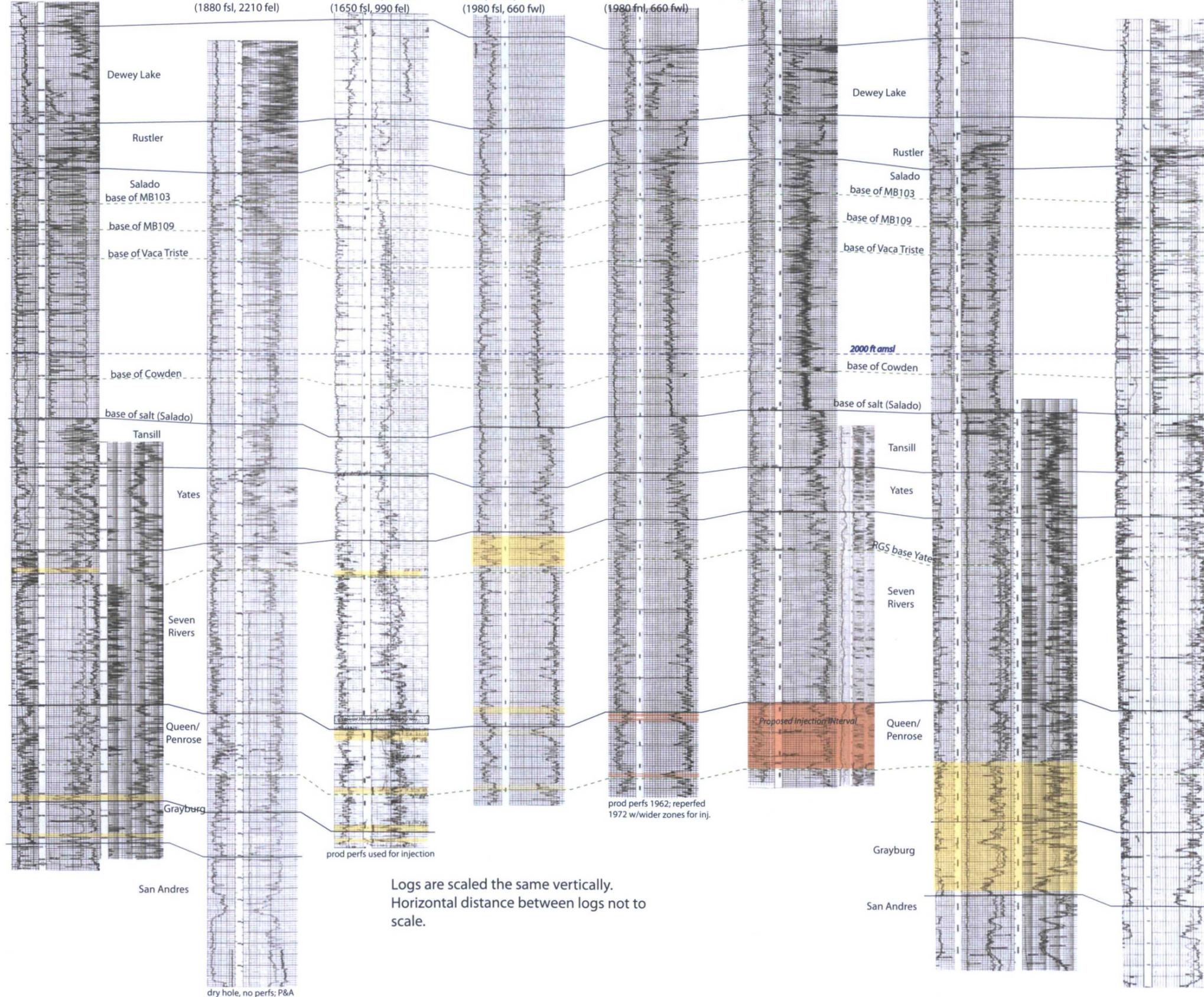
30-015-05621
 (Keohane A Fed 2)
 ref elev: 3613 ft amsl
 GR/sonic/resistivity (focused)
 T18S, R31E, sec 28
 (1980 fsl, 660 fwl)

30-015-05623 SWD
 (Keohane B Fed 1)
 ref elev: 3624 ft amsl
 GR/sonic
 T18S, R31E, sec 28
 (1980 fsl, 660 fwl)

30-015-05625 (Keohane B Fed 3)
 ref elev: 3631 ft amsl
 GR/sonic/caliper/resistivity
 T18S, R31E, sec 28
 (1980 fsl, 1980 fwl)

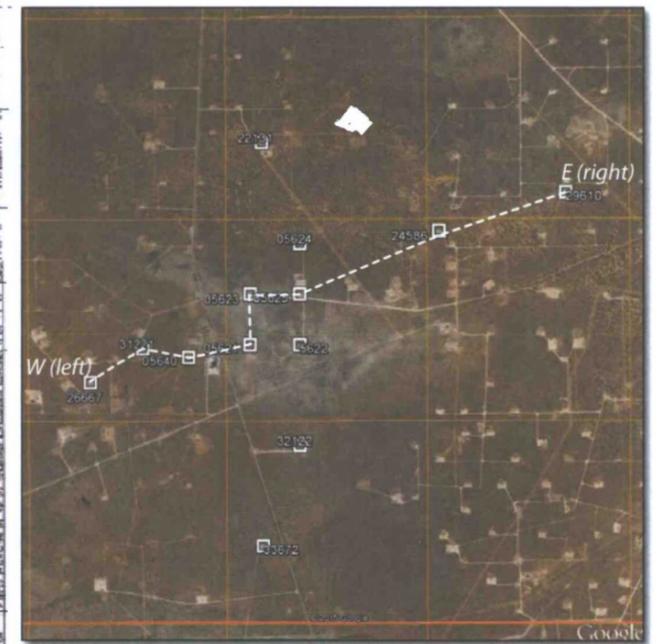
30-015-24586 (Hinkle F No. 10)
 ref elev: 3694 ft amsl (-40 ft by topo)
 GRN/density/caliper/resistivity
 T18S, R31E, sec 27 (330 fsl, 330 fwl)

30-015-29610 (Shugart 22 Fed #1)
 ref elev: 3674 ft amsl
 GRN/density
 T18S, R31E, sec 22 (660 fsl, 1650 fel)



West (left) - East (right) Geophysical Log
 Cross-section Through Proposed LG&S SWD
 (section 28, T18S, R31E)

Zone perforated for SWD
 Zone perforated for production



Logs are scaled the same vertically.
 Horizontal distance between logs not to scale.

prod perfs 1962; reperfed 1972 w/wider zones for inj.

prod perfs used for injection

dry hole, no perfs; P&A

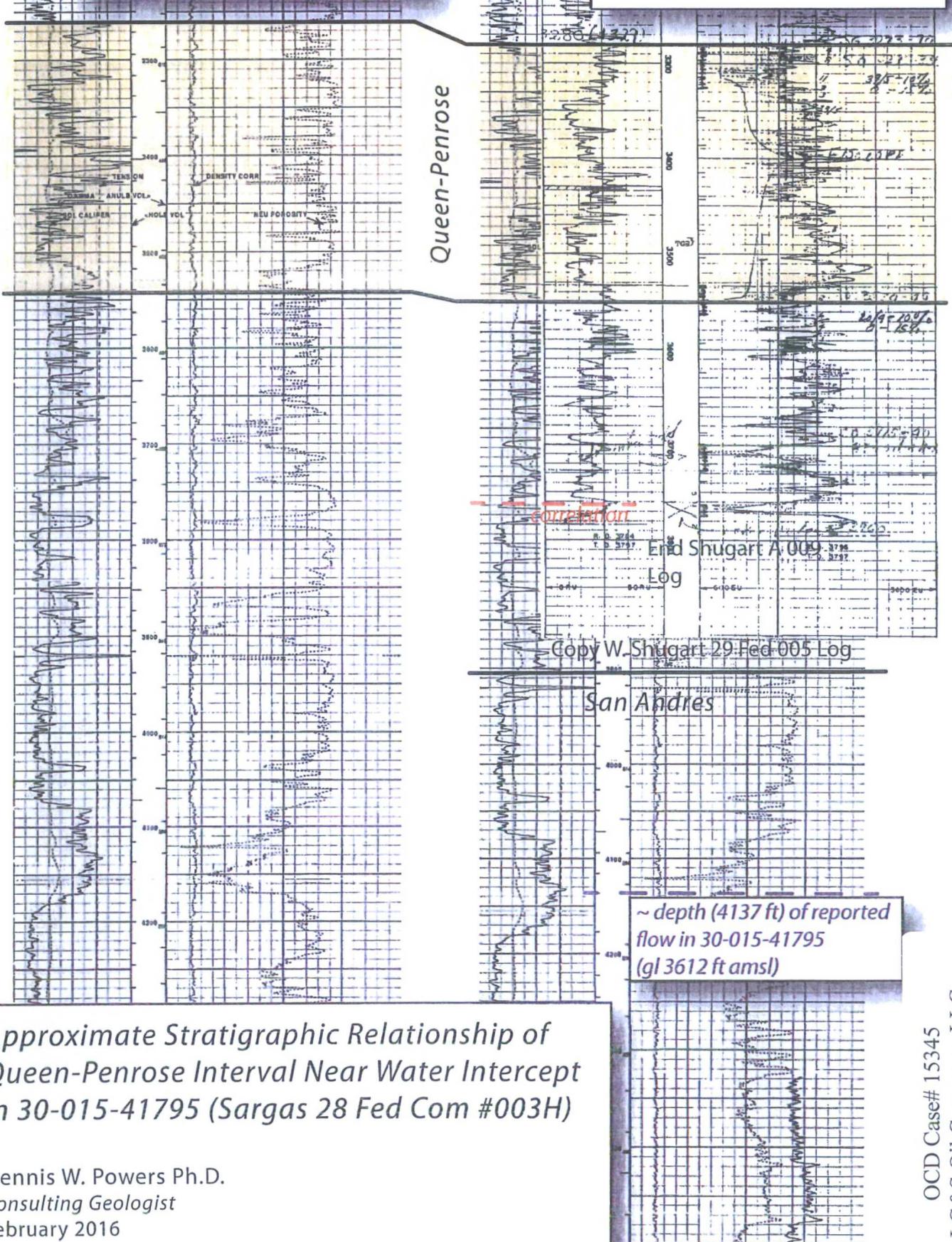
Dennis W. Powers, Ph.D.
 Consulting Geologist
 November 2015

Prepared for use by Padilla Law Firm, P.A.
 and their client.

OCD Case# 15345
 LG&S Oil Company, LLC
 November 12, 2015 2/4/16
 Ex# 4

30-015-31221
 W. Shugart 29 Fed 005
 J-29-185-31E (1880 FSL & 2210 FEL)
 ref elev: 3622 ft amsl (gl + 14 ft)

30-015-05640
 Shugart A 009
 I-29-185-31E (1650 FSL & 990 FEL)
 ref elev: 3609 ft amsl (gl + 2 ft)



Queen-Penrose

End Shugart A 009 Log
 Copy W. Shugart 29 Fed 005 Log

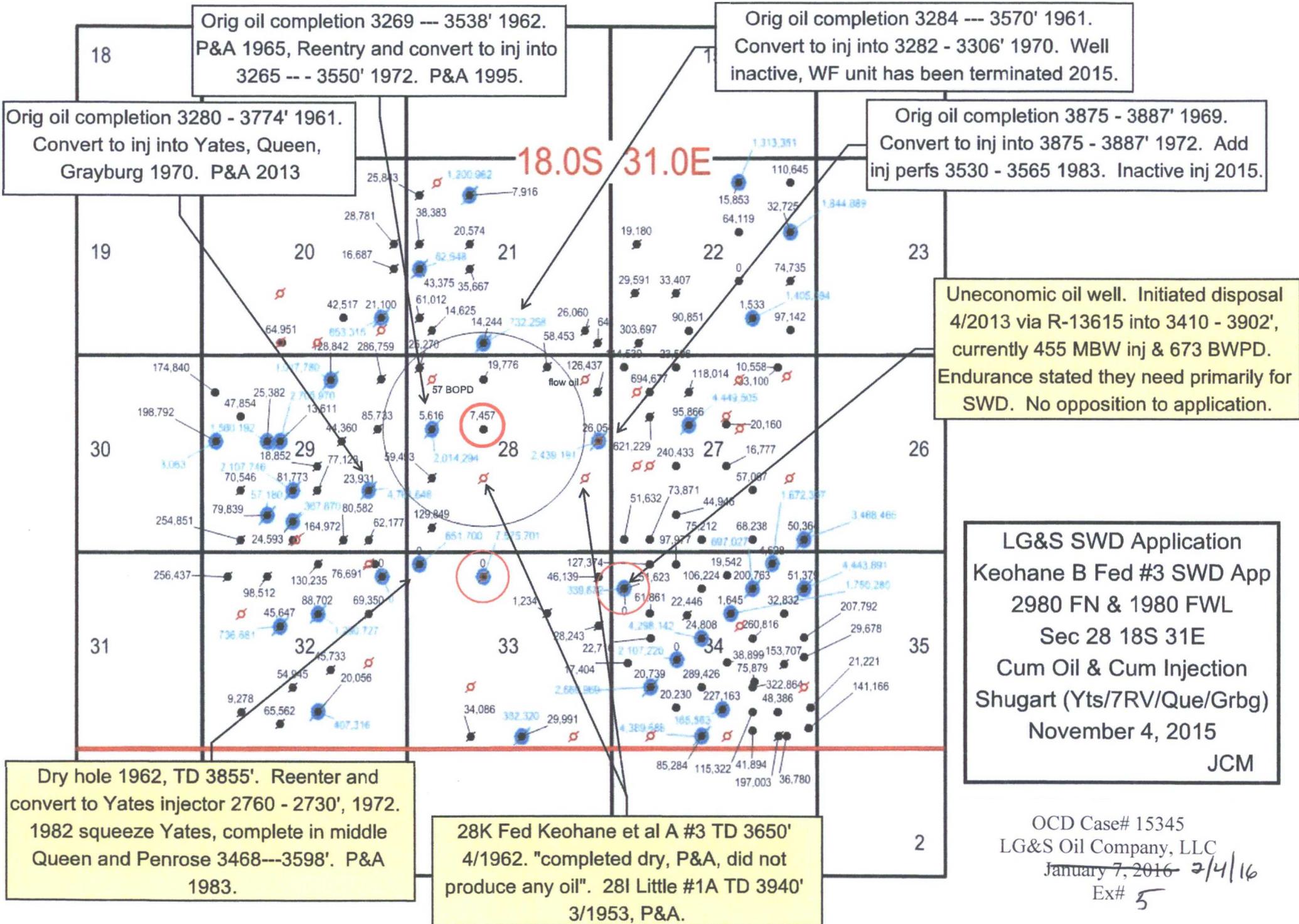
San Andres

~ depth (4137 ft) of reported flow in 30-015-41795 (gl 3612 ft amsl)

Approximate Stratigraphic Relationship of Queen-Penrose Interval Near Water Intercept in 30-015-41795 (Sargas 28 Fed Com #003H)

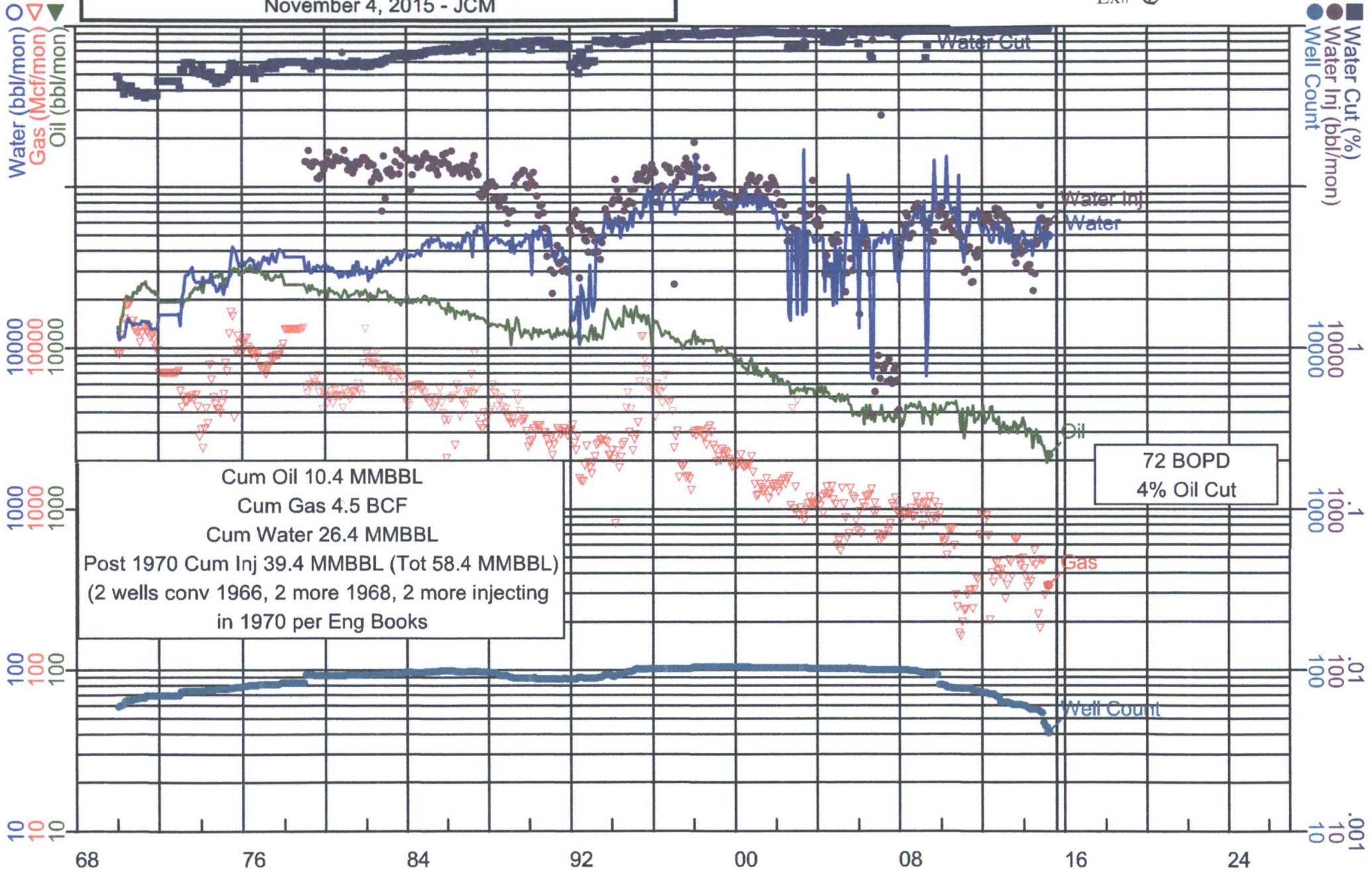
Dennis W. Powers Ph.D.
 Consulting Geologist
 February 2016

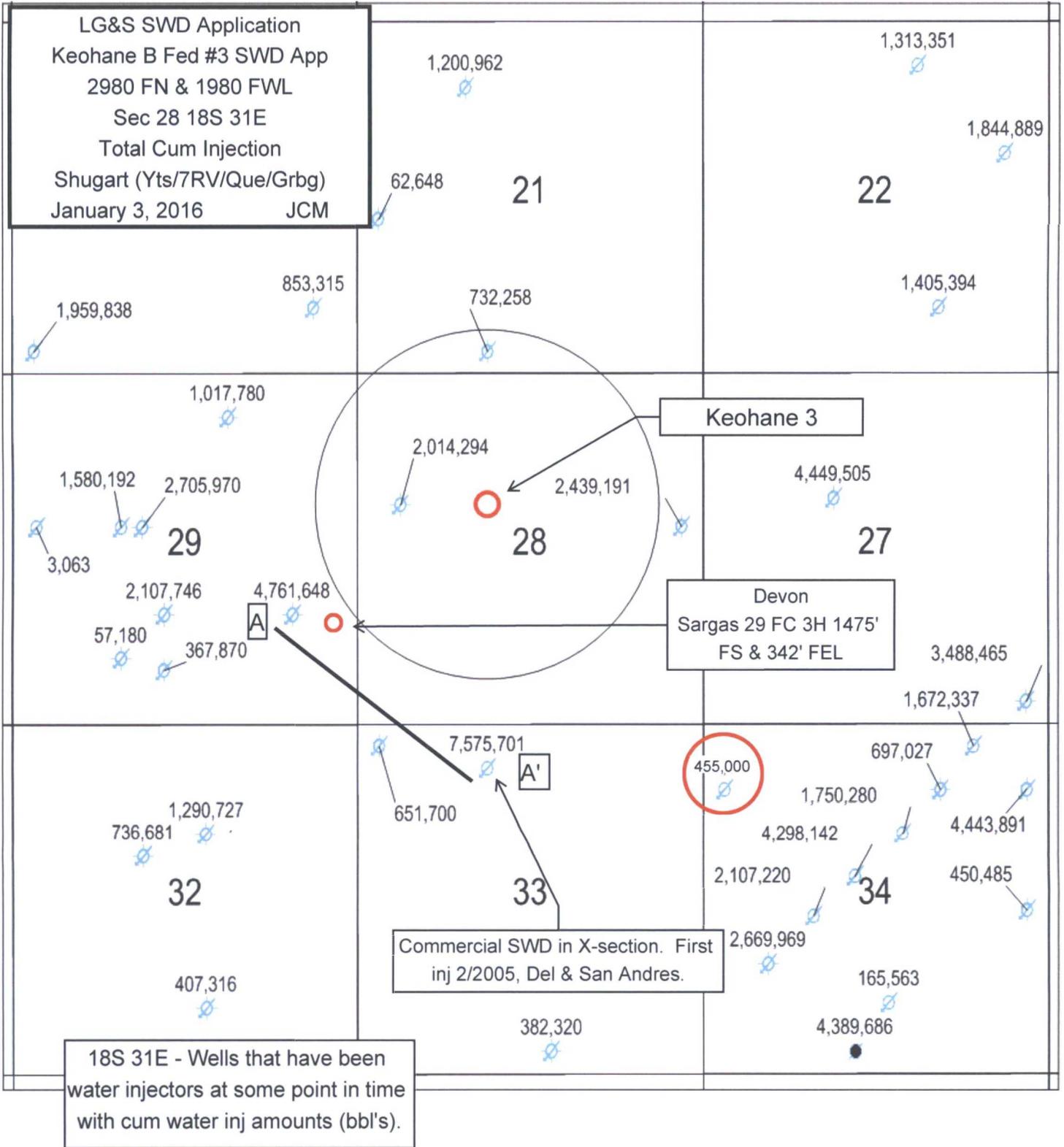
OCD Case# 15345
 LG&S Oil Company, LLC
 February 4, 2016
 Ex# 4-A

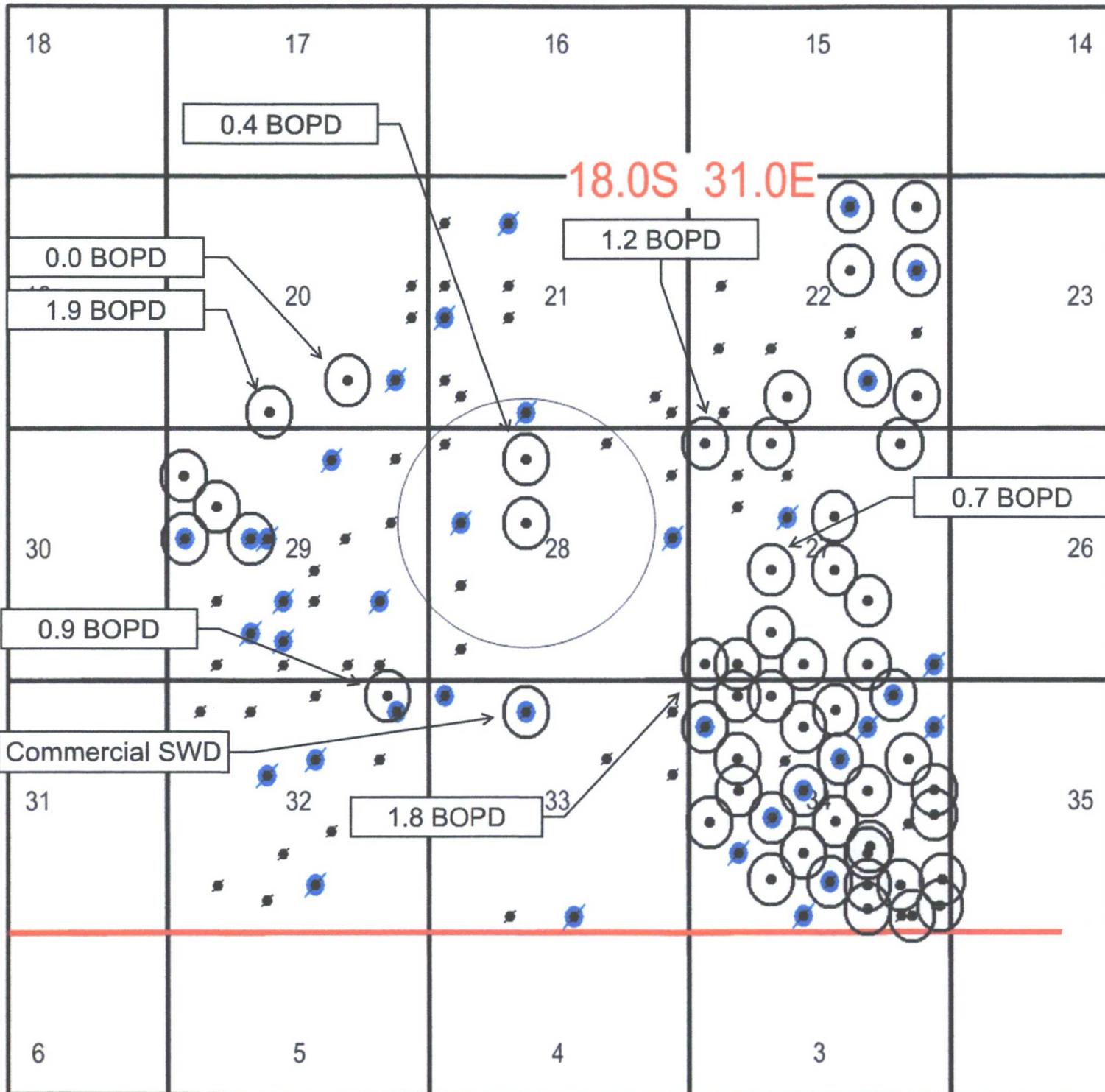


LG&S SWD Application - Keohane B Fed #3 SWD App
 2980 FN & 1980 FWL - Sec 28 18S 31E
 Rate-Time Curve 9 Sec Area - Shugart (Yts/7R/Que/GrBg)
 November 4, 2015 - JCM

OCD Case# 15345
 LG&S Oil Company, LLC
~~January 7, 2016~~ 2/4/16
 Ex# 6







Recent Avg Daily Oil Rate

LG&S SWD Application
 Keohane B Fed #3 SWD App
 2980 FN & 1980 FWL
 Sec 28 18S 31E
 ○ = Active Lasser Wells
 Shugart (Yts/7RV/Que/Grbg)
 November 4, 2015
 JCM

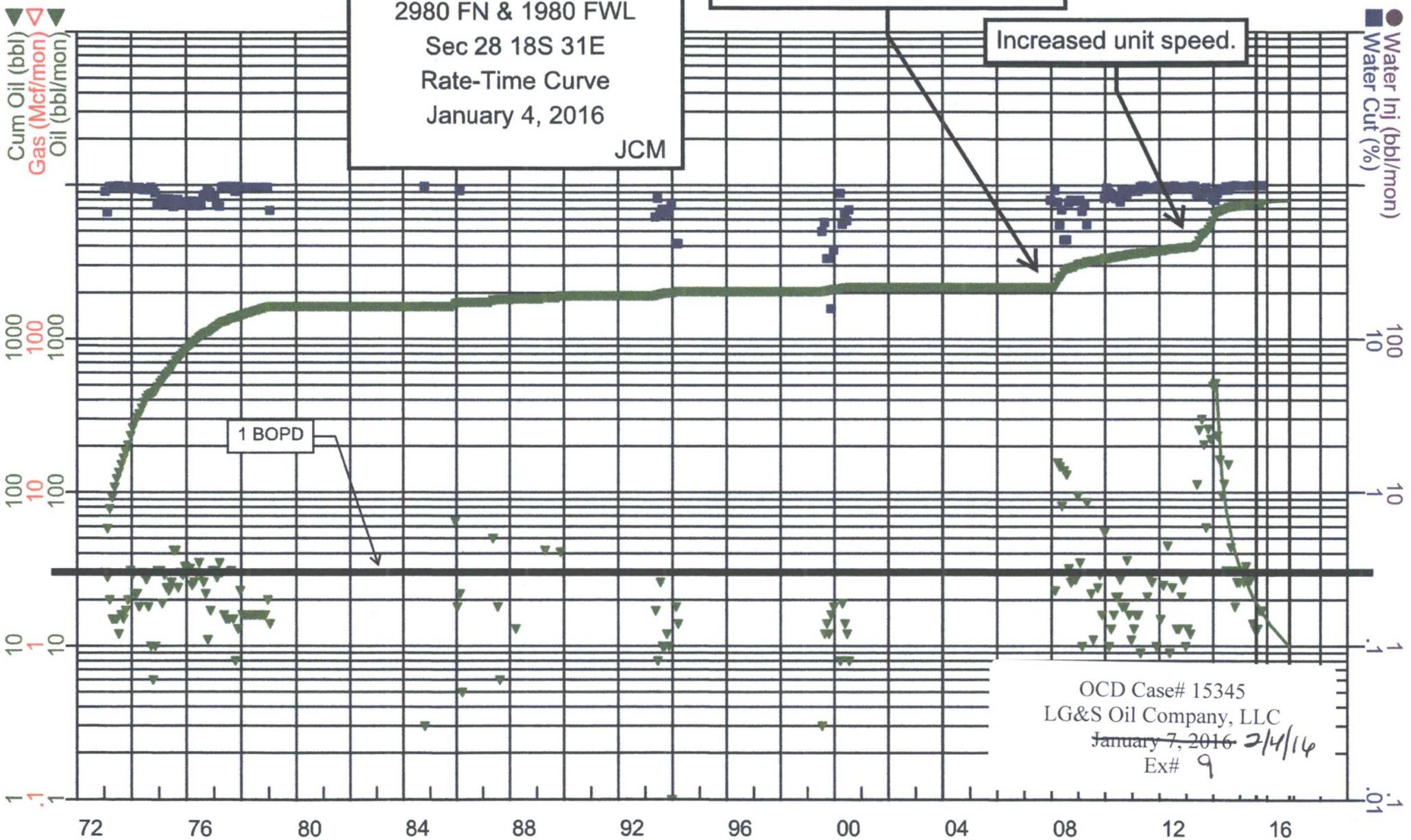
OCD Case# 15345
 LG&S Oil Company, LLC
 January 7, 2016 *2/4/16*
 Ex# *8*

LG&S SWD Application
 Keohane B Fed #3 SWD App
 2980 FN & 1980 FWL
 Sec 28 18S 31E
 Rate-Time Curve
 January 4, 2016
 JCM

Back on, increased unit speed.

Increased unit speed.

1 BOPD



Default Oil (ARPs)
 Segment: 1 of 1
 Cum: 7,507 bbl
 Rem: 202 bbl
 EUR: 7,709 bbl
 02/01/2014 - 11/05/2016
 Qi: 540 / Qact: 235
 Qf: 10
 D: 100.000 / Dmin: 5.000
 B: 0.90000

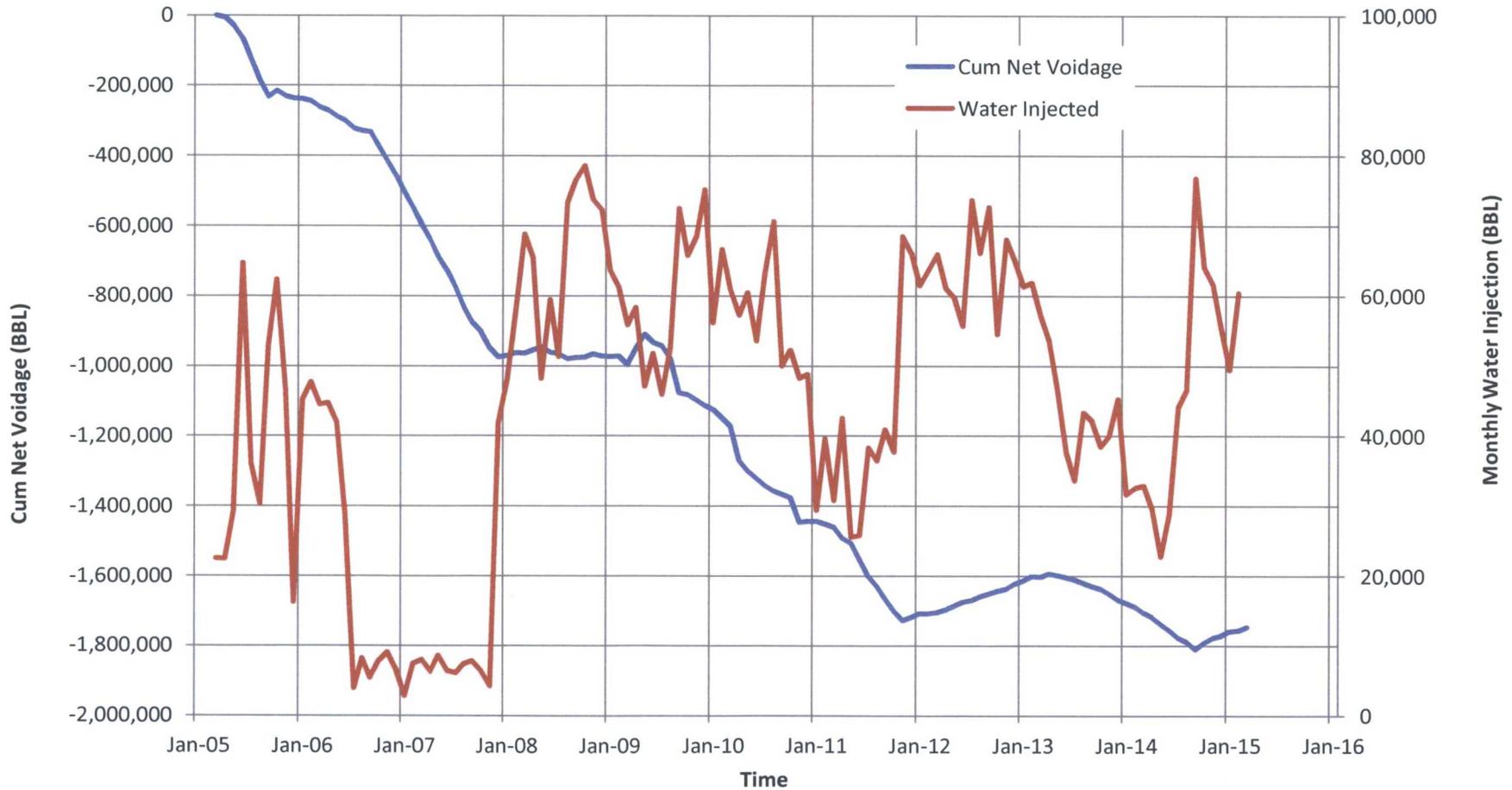
Default Water Cut (Formula)
 $\frac{\{Water\}}{\{Oil\} + \{Water\}} \times 100$
 Cum: N/A
 Rem: N/A
 EUR: N/A
 01/01/1973 - 10/31/2015
 Qi: 100 / Qact: 91
 Qf: 99

Default Gas (ARPs)
 Segment: N/A
 Cum: 0 Mcf
 Rem: 0 Mcf
 EUR: 0 Mcf
 / / - / /
 Qi: N/A / Qact: N/A
 Qf: N/A
 D: N/A / Dmin: N/A
 B: N/A

Default Water Inj (ARPs)
 Segment: N/A
 Cum: 0 bbl
 Rem: 0 bbl
 EUR: 0 bbl
 / / - / /
 Qi: N/A / Qact: N/A
 Qf: N/A
 D: N/A / Dmin: N/A
 B: N/A

Default Cum Oil (Cumulative)
 Cum: 0 bbl
 Rem: 7,709 bbl
 EUR: 7,709 bbl

LG&S
Keohane B Fed #3 SWD
Cum Net Voidage & Inj Rate Vs Time
9 Sec Study Area
Yates-7RV-Queen-GRB
18S 31E, Eddy Co., NM



OCD Case# 15345
 LG&S Oil Company, LLC

January 7, 2016 *2/4/14*
 Ex# 10

LG&S SWD Application

X-Section Sec 29 to 33

Nov 4, 2015

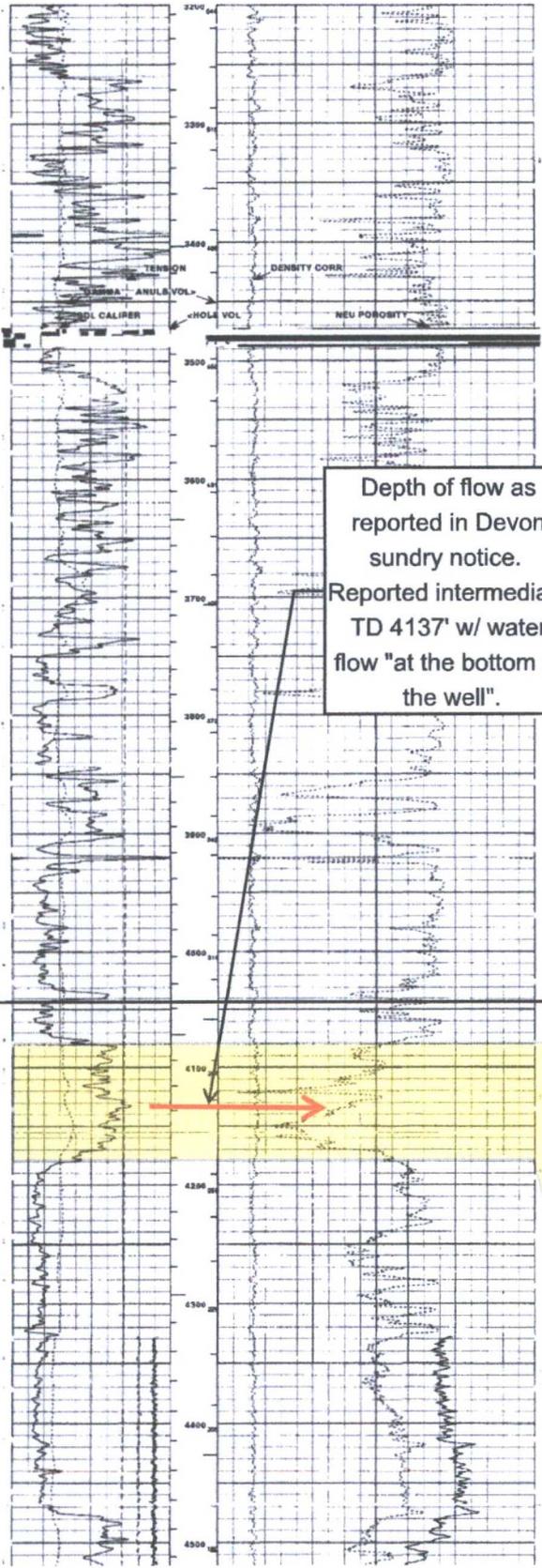
JCM

T-Bone Fed #1
660' FNL & 1980' FWL
Sec 33 18S 31E
KBE 3617'

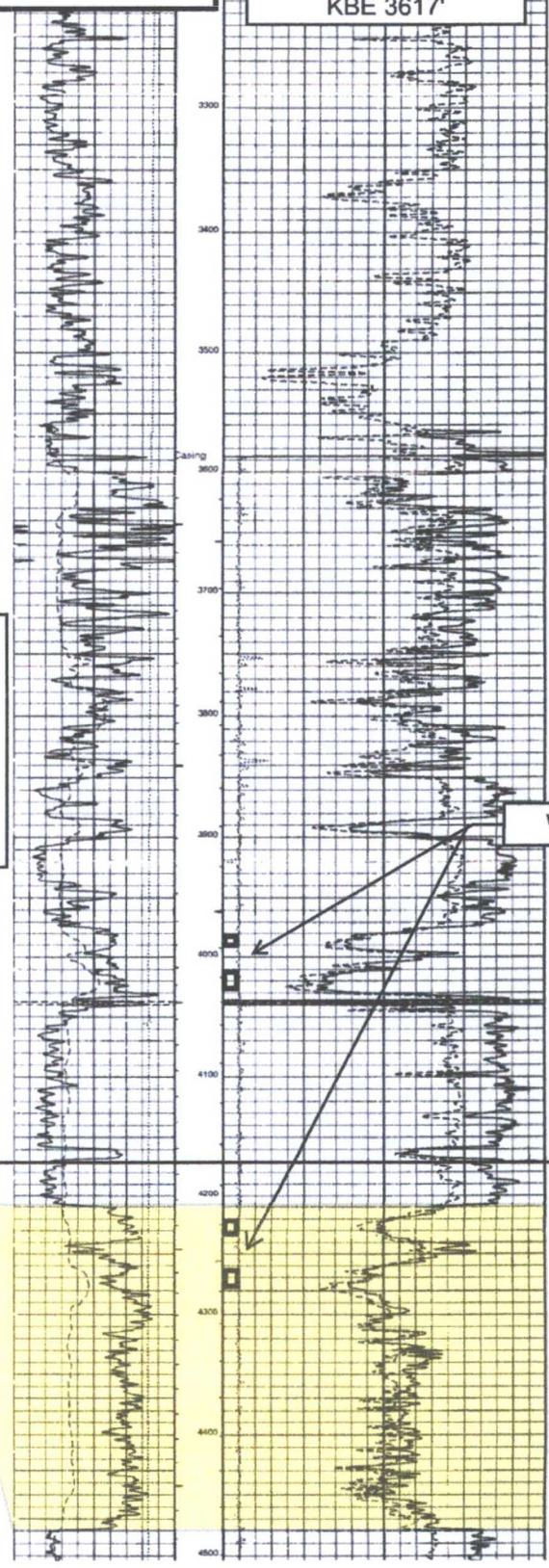
W. Shugart 29 Fed #5
1880' FSL & 2210' FEL
Sec 29 18S 31E
KBE 3622'

A

A'



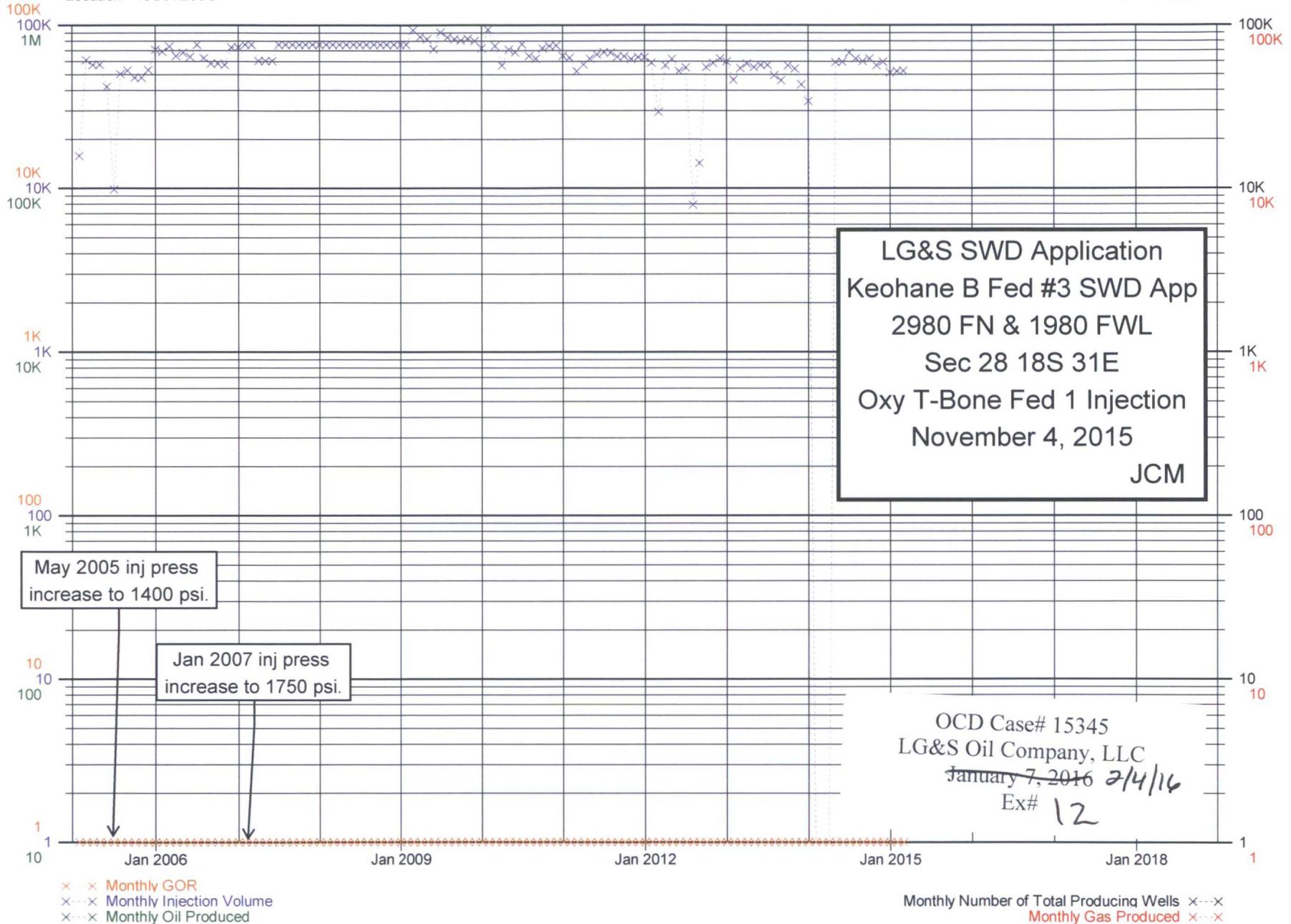
Depth of flow as reported in Devon sundry notice.
Reported intermediate TD 4137' w/ water flow "at the bottom of the well".



Water injection

Field: SWD (SAN ANDRES) 96121
 Operator: JUDAH OIL LLC 245872
 Lease Name: OXY T-BONE FEDERAL 001
 LPD ID: 300153212296121
 Location: 18S31E33C

County, State: EDDY, NM
 Status and Date: ACT 2007/02/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0
 Water Cum: 0



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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

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 Street, Apt. No., or PO Box No. Wendell W. Iverson, PO Box 1343,
 City, State, ZIP+ Midland, TX 79702

PS Form 3800, August 2006

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X <i>Sumner Iverson</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Sumner Iverson</i> C. Date of Delivery <i>7/31/15</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No <i>PO Box 1343</i></p>
<p>1. Article Addressed to:</p> <p>Wendell W. Iverson, PO Box 1343, Midland, TX 79702</p>	<p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p>
<p>2. Article Number (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>7013 0600 0001 8704 2364</p>	
<p>PS Form 3811, July 2013 Domestic Return Receipt</p>	

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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	9.87

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Street, Apt. No.;
or PO Box No. Steve Sell, PO Box 5061

City, State, ZIP+4 Midland, TX 79704

PS Form 3800, August 2006

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<p>1. Article Addressed to:</p> <p>Steve Sell, PO Box 5061 Midland, TX 79704</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p>
<p>2. Article Number (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>PS Form 3811, July 2013</p>	<p>7013 0600 0001 8704 2449</p> <p>Domestic Return Receipt</p>

7013 0600 0001 8704 2326

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Return Receipt Fee (Endorsement Required)	2.50
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
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Endergen Resources Co, 605 Richard Arrington Jr.
 Blvd, Birmingham, AL 35203-2707

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<p>1. Article Addressed to:</p> <p>Endergen Resources Co, 605 Richard Arrington Jr. Blvd, Birmingham, AL 35203-2707</p>	<p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number <i>(Transfer from service label)</i></p> <p>7013 0600 0001 8704 2326</p>	
<p>PS Form 3811, July 2013</p>	<p>Domestic Return Receipt</p>

7013 0600 0001 8704 2265

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Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

Sent To
 Street, Apt. or PO Box
 City, State
 Claire Ann Iverson, 2005 Kidwell Street,
 Dallas, TX 75214
 PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Claire Iverson</p> <p>C. Date of Delivery</p>
<p>1. Article Addressed to:</p> <p>Claire Ann Iverson, 2005 Kidwell Street, Dallas, TX 75214</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>2. Article Number (Transfer from service label)</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p>
<p>7013 0600 0001 8704 2265</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>PS Form 3811, July 2013</p>	<p>Domestic Return Receipt</p>

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Postage	\$ 3.62
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
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Patsy Page-Iverson, 1155 Muirlands Vista Way,
 La Jolla, CA 92037

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Patsy Page-Iverson <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <input type="checkbox"/> Date of Delivery [Signature] 10/24/13</p>
<p>1. Article Addressed to:</p> <p>Patsy Page-Iverson, 1155 Muirlands Vista Way, La Jolla, CA 92037</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> <p>3. Service type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7013 0600 0001 8704 2357</p>
<p>PS Form 3811, July 2013</p>	<p>Domestic Return Receipt</p>

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OFFICIAL USE

7013 0600 0001 8704 2258

Postage	\$ 3.62
Certified Fee	3.49
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

COG Operating, LLC, 600 W Illinois Avenue
 Midland, TX 79701-4882

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete Items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <input type="checkbox"/> C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>COG Operati g, LLC, 600 W Illinois Avenue Midland, TX 79701-4882</p>	<p>Service Type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7013 0600 0001 8704 2258</p>
<p>PS Form 3811, July 2013</p>	<p>Domestic Return Receipt</p>

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7013 0600 0001 8704 2241

Postage	\$ 3.62
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

BLM
 620 E. Greene, Carlsbad, NM 88220

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

BLM
 620 E. Greene, Carlsbad, NM 88220

2. Article Number
(Transfer from service label)

7013 0600 0001 8704 2241

PS Form 3811, July 2013

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Signature]* Agent Addressee

B. Received by (Printed Name) C. Date of Delivery
 6/29/15

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

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OFFICIAL USE

7013 0600 0001 8704 2289

Postage	\$ 3.67
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

Sent To

Nearburg Exp CO LLC, 3300 N A Street #120
 Midland, TX 79705

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X  <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____ C. Date of Delivery <u>10/11</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>Nearburg Exp CO LLC, 3300 N A Street #120 Midland, TX 79705</p>	<p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7013 0600 0001 8704 2289</p>
PS Form 3811, July 2013	Domestic Return Receipt

7013 0600 0001 8704 2388

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Postage	\$ 3.67
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.50
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

Sent To

Street, Apt. No.;
or PO Box No. S&P Co., 330 Marshall Street #300

City, State, ZIP+4 Shreveport, LA 71101

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Martha Rogie <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____ C. Date of Delivery 6/29/15</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>S&P Co., 330 Marshall Street #300 Shreveport, LA 71101</p>	<p>3. Service Type</p> <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery
<p>2. Article Number (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>7013 0600 0001 8704 2388</p>	
<p>PS Form 3811, July 2013 Domestic Return Receipt</p>	

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7013 0600 0001 8704 2272

Postage	\$ 3.67
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

Devon Energy Prod. Co. LP, 333 W. Sheridan Ave,
 Oklahoma City, OK 73102-5010

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee <i>David Carrillo</i></p> <p>B. Received by (Printed Name)</p> <p>C. Date of Delivery </p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>Devon Energy Prod. Co. LP, 333 W. Sheridan Ave, Oklahoma City, OK 73102-5010</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p>
<p>2. Article Number (Transfer from service label)</p> <p>7013 0600 0001 8704 2272</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
PS Form 3811, July 2013	Domestic Return Receipt

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OFFICIAL USE

7013 0600 0001 8704 2418

Postage	\$ 3.62
Certified Fee	3.43
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

Southwest Royalties Inc., #6 Desta Drive #2100
 Midland, TX 79704

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature x <i>[Signature]</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>T. Farnell</i></p> <p>C. Date of Delivery <i>10/30</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>Southwest Royalties Inc., #6 Desta Drive #2100 Midland, TX 79704</p>	<p>Service Type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7013 0600 0001 8704 2418</p>
<p>PS Form 3811, July 2013</p>	<p>Domestic Return Receipt</p>

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7013 0600 0001 8704 2302

Postage	\$ 3.62
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

Magnum Hunter Production Inc., 202 S. Cheyenne
 Ave, Ste 1000, Tulsa, OK 74103-3001

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece or on the front if space permits. 	<p>A. Signature X <i>Justin Wallace</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) JUSTIN WALLACE</p> <p>C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>Magnum Hunter Production Inc., 202 S. Cheyenne Ave, Ste 1000 Tulsa, OK 74103-3001</p>	<p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7013 0600 0001 8704 2302</p>
PS Form 3811, July 2013	Domestic Return Receipt

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OFFICIAL USE

0452 4028 8704 2340
0600 0001 8704 2340
0600 0001 8704 2340

Postage	\$ 3.62
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

Penwell Energy Inc., 6363 Woodway Ste. 560
 Houston, TX 77057

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p><i>X Luz Rodriguez</i></p> <p>B. Received by (Printed Name) <input type="checkbox"/> Date of Delivery</p> <p><i>RP 8/5</i></p>
<p>1. Article Addressed to:</p> <p>Penwell Energy Inc., 6363 Woodway Ste. 560 Houston, TX 77057</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If YES, enter delivery address below:</p> <p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7013 0600 0001 8704 2340</p>
<p>PS Form 3811, July 2013</p>	<p>Domestic Return Receipt</p>

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OFFICIAL USE

2432 4088 1000 0090 ETD2
 7013 0600 0001 8704 2432

Postage	\$ 3.62
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

Sent To

Street, Apt. No.,
or PO Box No. Sklarco LLC, PO Box 1753
 City, State, ZIP+4 Shreveport, LA 71166

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Sklarco LLC, 401 Edwards St. Ste. 1601
 Shreveport, LA 71101

2. Article Number
 (Transfer from service label)

7013 0600 0001 8704 2432

PS Form 3811, July 2013

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Agent
 Addressee

B. Received by (Printed Name)
 SHERRI THIBODEAUX

C. Date of Delivery
 2-13-15

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes

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OFFICIAL USE

7013 0600 0001 8704 2234

Postage	\$ 3.62
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

18-31 Inc., PO Box 1120
 Roswell, NM 88201

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature  <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Pat Greenwald</p> <p>C. Date of Delivery 6/29/15</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> 18-31 Inc., PO Box 1120 Roswell, NM 88201 </div>	<p>3. Service Type</p> <p> <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery </p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7013 0600 0001 8704 2234</p>
<p>PS Form 3811, July 2013</p>	<p>Domestic Return Receipt</p>

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7013 0600 0001 8704 2319

Postage	\$ 3.62
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

Sent To

Street, Apt. 1 Momentum Operating CO, 224 South Main.
 or PO Box N Albany, TX 76430
 City, State, 2

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Momentum Operation Co, PO Box 2439
 Albany, TX 76430

2. Article Number
 (Transfer from service label)

7013 0600 0001 8704 2319

PS Form 3811, July 2013

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Shelly Baize

- Agent
 Addressee

B. Received by (Printed Name)

SHELLY BAIZE

C. Date of Delivery

7/13/15

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type

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

4. Restricted Delivery? (Extra Fee) Yes

U.S. Postal Service™
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OFFICIAL USE

9500 4078 1000 0090 0107

Postage	\$ 3.62
Certified Fee	3.49
Return Receipt Fee (Endorsement Required)	2.80
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 9.87

Postmark
Here

Fidelity Expl & Prod Co., 1700 Lincoln St, Ste 4600
 Denver, CO 80203-4509

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X <i>R. Kelly</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>R. Kelly</i></p> <p>C. Date of Delivery <i>7-13-15</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>Fidelity Expl & Prod Co, 1801 California St Ste 2500 Denver, CO 80202-2638</p>	<p>3. Service type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p>
<p>2. Article Number (Transfer from service label)</p> <p>7013 0600 0001 8704 2333</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>PS Form 3811, July 2013 Domestic Return Receipt</p>	

PADILLA LAW FIRM, P.A.

TELEPHONE
505-988-7577

STREET ADDRESS
1512 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505
MAILING ADDRESS
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523
EMAIL ADDRESS
padillalaw@qwestoffice.net

FACSIMILE
505-988-7592

June 26, 2015

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

Siegfried James III Iverson
PO Box 4095
Midland, TX 79704

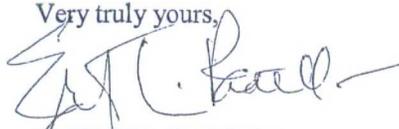
Re: *NMOCD Case# 15345; In the Matter of the Application of LG&S Oil Company, LLC for Salt Water Disposal Well, Eddy County, New Mexico*

Dear Mr. Iverson:

This letter will advise that LG&S Oil Company, LLC has filed an Application with the New Mexico Oil Conservation Division seeking an order for salt water disposal well. A copy of the application is enclosed.

This application will be set for hearing before a Division Examiner on July 23, 2015 at 8:15 a.m. at the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico. You are not required to attend this hearing, but as an owner of an interest that may be affected, you may appear and present testimony. Failure to appear at the time and become a party of record will preclude you from challenging these applications at a later time. If you intend to attend the hearing and present testimony or evidence, you must enter your appearance and serve the Division, counsel for the Applicant, and other parties with a pre-hearing statement at least four business days before the scheduled hearing date in accordance with Division Rule 1211.

Very truly yours,



ERNEST L. PADILLA

7013 0600 0001 8704 2395

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OFFICIAL USE

Postage	\$ 3.62	Postmark Here
Certified Fee	3.49	
Return Receipt Fee (Endorsement Required)	2.50	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 9.87	

Sent To
 Street, Apt or PO Box Siegfried James III Iverson, PO Box 4095
 City, State, Midland, TX 79704

PS Form 3800, August 2006 See Reverse for Instructions

PADILLA LAW FIRM, P.A.

STREET ADDRESS
1512 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505
MAILING ADDRESS
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523
EMAIL ADDRESS
padillalaw@qwestoffice.net

TELEPHONE
505-988-7577

FACSIMILE
505-988-7592

June 26, 2015

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

John D. Pool
PO Box 5441
Midland, TX 79704

Re: *NMOCD Case# 15345; In the Matter of the Application of LG&S Oil Company, LLC for Salt Water Disposal Well, Eddy County, New Mexico*

Dear Mr. Pool:

This letter will advise that LG&S Oil Company, LLC has filed an Application with the New Mexico Oil Conservation Division seeking an order for salt water disposal well. A copy of the application is enclosed.

This application will be set for hearing before a Division Examiner on July 23, 2015 at 8:15 a.m. at the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico. You are not required to attend this hearing, but as an owner of an interest that may be affected, you may appear and present testimony. Failure to appear at the time and become a party of record will preclude you from challenging these applications at a later time. If you intend to attend the hearing and present testimony or evidence, you must enter your appearance and serve the Division, counsel for the Applicant, and other parties with a pre-hearing statement at least four business days before the scheduled hearing date in accordance with Division Rule 1211.

Very truly yours,

Ernest L. Padilla
ERNEST L. PADILLA

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Santa Fe, New Mexico 87504-2523

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PS Form 3800, August 2006

See Reverse for Instructions

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08/03/2015

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PS Form 3800, August 2006 See Reverse for Instructions

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ERNEST L. PADILLA
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Santa Fe, New Mexico 87504-2523

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Total Postage & Fees	\$ 9.87	

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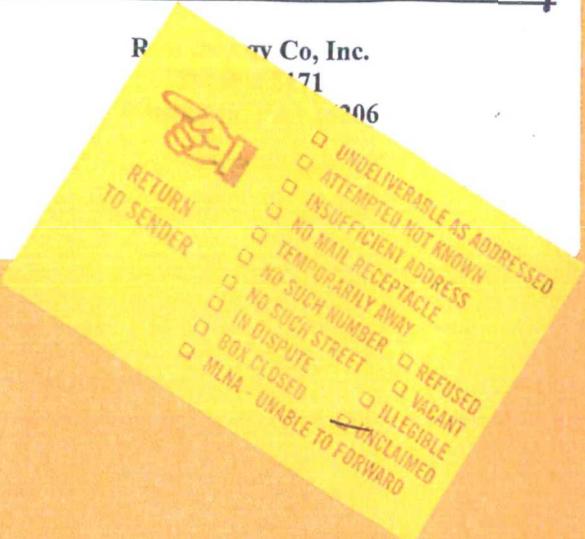
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PADILLA LAW FIRM, P.A.
ERNEST L. PADILLA
P.O. Box 2523
Santa Fe, New Mexico 87504-2523

08/03/2015

Rost Energy Co, Inc.
5171
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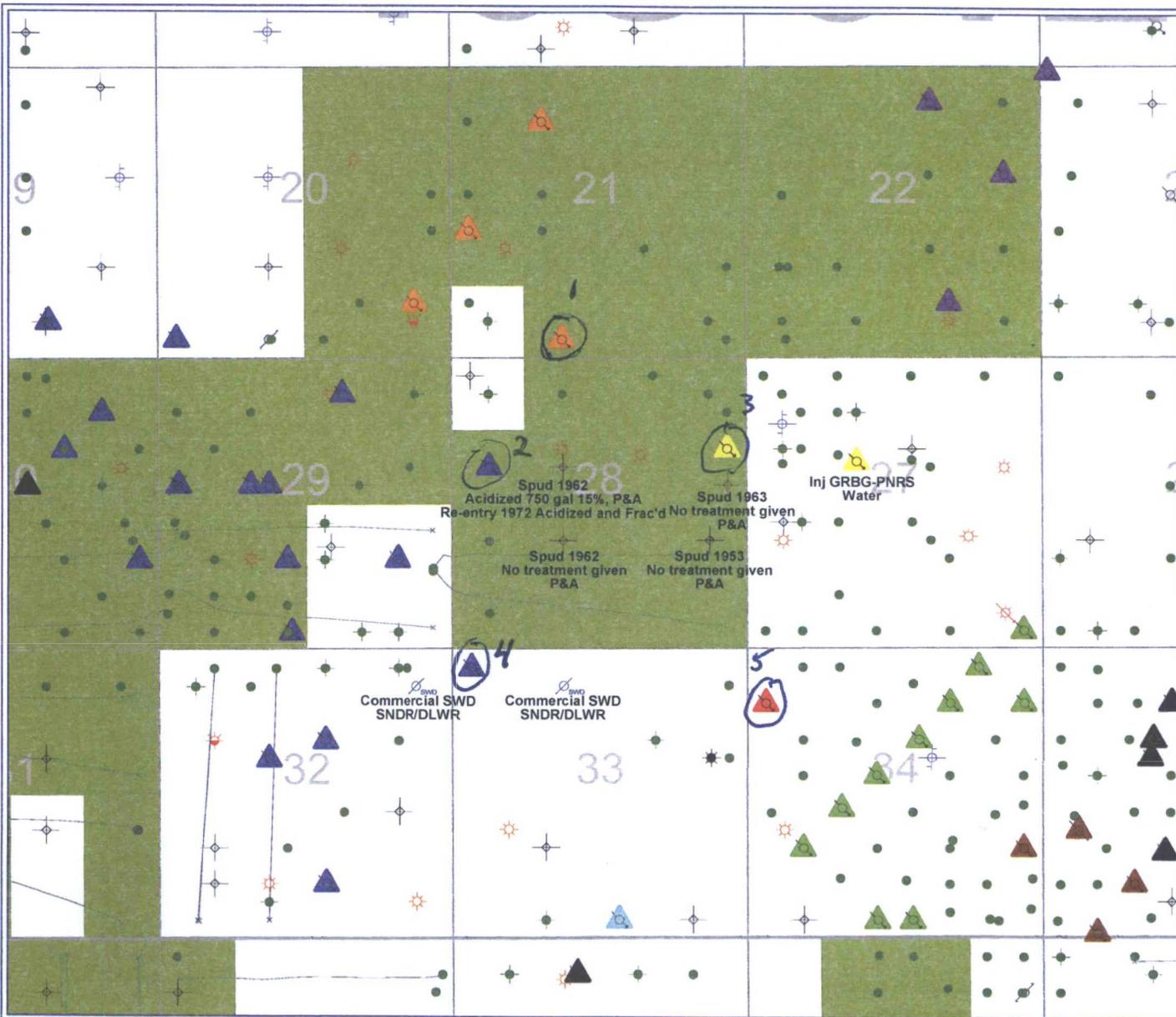
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Return Receipt Fee (Endorsement Required)	2.80
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Total Postage & Fees	\$ 9.87

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M-L
7/2/15

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18S-31E Injection Wells



- ▲ INJ, ORDER# UNDEFINED
- ▲ NMOCDF WF ORDER# R-3871
- ▲ NMOCDF WF ORDER# R-4325
- ▲ NMOCDF WF ORDER# R-3431
- ▲ NMOCDF WF ORDER# R-4438
- ▲ NMOCDF WF ORDER# R-3769
- ▲ NMOCDF WF ORDER# R-13615
- ▲ NMOCDF WF ORDER# R-3992
- ▲ NMOCDF WF ORDER# R-3059

By: LILIAN DIXON
November 19, 2015

BEFORE THE OIL CONVERSION
 DIVISION
 Santa Fe, New Mexico
 Submitted by: DEVON
 Exhibit No. 8A
 Hearing Date: January 7, 2016

DETA 11/19/2015 1:46:00 PM

Filed November 10, 1969
A.L.P.

1

API: 30-DIS-05600
(incorrect API # in
order but correct
well location)

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 4248
Order No. R-3871

APPLICATION OF J. J. TRAVIS
FOR A WATERFLOOD PROJECT, EDDY
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on November 5, 1969,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 10th day of November, 1969, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, J. J. Travis, seeks permission to
institute a waterflood project in his North Shugart Queen Unit
Area, Shugart (Yates-Seven Rivers-Queen-Grayburg) Pool, by the
injection of water into the Queen formation through nine injec-
tion wells at orthodox and unorthodox locations in Sections 20
and 21, Township 18 South, Range 31 East, NMPM, Eddy County, New
Mexico.

(3) That the applicant further seeks the establishment of
an administrative procedure whereby the Secretary-Director of
the Commission may authorize additional injection wells at
orthodox and unorthodox locations within said waterflood project
area as may be necessary to complete an efficient injection
pattern without the necessity of showing well response.

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-2-
CASE No. 4248
Order No. R-3871

(4) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(5) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(6) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations; provided however, that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection, and provided further, that said injection wells are drilled no closer than 330 feet to the outer boundary of the North Shugart Queen Unit nor closer than 10 feet to any quarter-quarter section or subdivision inner boundary.

IT IS THEREFORE ORDERED:

(1) That the applicant, J. J. Travis, is hereby authorized to institute a waterflood project in his North Shugart Queen Unit Area, Shugart (Yates-Seven Rivers-Queen-Grayburg) Pool, by the injection of water into the Queen formation through the following-described wells at orthodox and unorthodox locations in Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico:

J. J. Travis Shugart Federal Well No. 1,
located 2310 feet from the North line and
330 feet from the East line of Section 20;

Chambers & Kennedy Gulf Federal Well No. 2,
located 2310 feet from the South line and
330 feet from the East line of Section 20;

J. J. Travis Littlefield Federal Well No. 1-AA,
located 990 feet from the South line and 660
feet from the East line of Section 20;

J. J. Travis Kenwood Federal Well No. 4,
located 990 feet from the North line and
1650 feet from the West line of Section 21;

-3-

CASE No. 4248
Order No. R-3871

J. J. Travis Kenwood Federal Well No. 2,
located 990 feet from the North line and
330 feet from the West line of Section 21;

J. J. Travis Kenwood Federal Well No. 3,
located 2310 feet from the North line and
1650 feet from the West line of Section 21;

J. J. Travis Keohane Federal Well No. 2,
located 2310 feet from the South line and
1650 feet from the West line of Section 21;

Mark Production Co. Texaco Federal Well No. 1,
located 990 feet from the South line and
330 feet from the West line of Section 21;

J. J. Travis Keohane Federal Well No. 3,
located 300 feet from the South line and
1980 feet from the West line of Section 21.

(2) That the subject waterflood project is hereby designated the North Shugart Queen Unit Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations;

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve such additional injection wells at orthodox and unorthodox locations within said waterflood project area as may be necessary to complete an efficient injection pattern; provided said wells are drilled no closer than 330 feet to the outer boundary of the North Shugart Queen Unit nor closer than 10 feet to any quarter-quarter section or subdivision inner boundary, and provided further, that the application therefor has been filed in accordance with Rule 701 B of the Commission Rules and Regulations, and provided further, that a copy of the application has been sent to all offset operators, if any there be, and no such operator has objected within 15 days. The showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

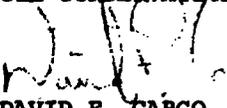
-4-

CASE No. 4248
Order No. R-3871

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


DAVID F. CARGO, Chairman


ALEX J. ARMILLO, Member


A. L. PORTER, Jr., Member & Secretary

S E A L

esr/

Corrected November 17, 1969
A.L.P.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

CASE No. 4248
Order No. R-3871-A

IN THE MATTER OF THE APPLICATION OF
J. J. TRAVIS FOR A WATERFLOOD PROJECT,
EDDY COUNTY, NEW MEXICO.

NUNC PRO TUNC ORDER

BY THE COMMISSION:

It appearing to the Commission that due to clerical error,
Order No. R-3871, dated November 10, 1969, does not correctly
state the intended order of the Commission,

IT IS THEREFORE ORDERED:

(1) That the location of the J. J. Travis Keohane Federal
Well No. 3, as set forth on Page 3 of Order (1) of Order No.
R-3871, is hereby corrected to read as follows:

~~J. J. Travis Keohane Federal Well No. 3,
located 200 feet from the South line and
1980 feet from the West line of Section 21~~

rather than:

J. J. Travis Keohane Federal Well No. 3,
located 300 feet from the South line and
1980 feet from the West line of Section 21

in order to show the true location of said well.

(2) That the correction as set forth above shall be effective
nunc pro tunc as of November 10, 1969.

DONE at Santa Fe, New Mexico, on this 17th day of
December, 1969.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

Alex J. Armijo
ALEX J. ARMILIO, Member

A. L. Porter, Jr.
A. L. PORTER, Jr., Member & Secretary

S E A L

esr/



SHENANDOAH OIL CORPORATION

September 5, 1972

Refers back
to R-3431

(2)
API NO: 30-D15-
05623

B. J. KELLENBERGER
PRESIDENT

1800 COMMERCE BUILDING
FORT WORTH, TEXAS 76102
817/332-7381
TWX: 910 890 8023

Re: Commission WFX Order No. 371
Five Additional Injection Wells
Shugart Flood, Shugart Field,
Eddy County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: A. L. Porter

Dear Mr. Porter:

In accordance with Rule 703(a) of the New Mexico Rules and Regulations Book, this is to advise you that water injection was commenced August 28, 1972, into the below listed wells (see plat) as set forth in "Application For Administrative Approval" Order No. R-3431.

Well Number	Location
Shugart State #3	Unit D Section 32, T-18S, R-31E
New Mexico State "Y" #1	Unit G Section 32, T-18S, R-31E
Monterey State "B" #4	Unit F Section 32, T-18S, R-31E
Monterey State #5	Unit O Section 32, T-18S, R-31E

Very truly yours,

SHENANDOAH OIL CORPORATION

Original Signed by
T. P. BATES

T. P. Bates
Vice President

TPB:jn
Attachment
CC: OCC-Artesia ✓
USGS-Artesia
Jennings, Christy & Copple
Chambers & Kennedy-Midland
C. W. Downey, Jr.

RECEIVED

SEP 7 1972

O. C. C.
ARTEBIA, OFFICE

*Entered June 18, 1968
C.S.P.*

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 3779
Order No. R-3431

APPLICATION OF SHENANDOAH OIL CORPORATION
FOR A WATERFLOOD PROJECT, EDDY COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 5, 1968,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 18th day of June, 1968, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Shenandoah Oil Corporation, seeks
permission to institute a ~~waterflood project in the Shugart Pool~~
~~by the injection of water into the Yates, Seven Rivers, Queen,~~
~~and Grayburg formations~~ through five injection wells located in
Units F and N of Section 29, and Units A, G, and I of Section 30,
all in Township 18 South, Range 31 East, NMPM, Eddy County, New
Mexico.

(3) That the applicant further seeks an administrative
procedure whereby said project could be expanded to include
additional lands and injection wells in the area of said project
as may be necessary in order to complete an efficient injection
pattern; that said administrative procedure should provide for
administrative approval for conversion to water injection
in exception to the well response requirements of Rule 701 E-5
of the Commission Rules and Regulations.

CASE No. 3779
Order No. R-3431

(4) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(5) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(6) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations; provided however, that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

IT IS THEREFORE ORDERED:

(1) That the applicant, Shenandoah Oil Corporation, is hereby authorized to institute a waterflood project in the Shugart Pool by the injection of water into the Yates, Seven Rivers, Queen, and Grayburg formations through the following-described wells in Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico:

<u>LEASE</u>	<u>WELL NUMBER</u>	<u>LOCATION</u>
Kenwood-Federal	3	Unit F - Section 29
Shugart "A"	8	Unit N - Section 29
Shugart "D"	8	Unit A - Section 30
Shugart "D"	1	Unit G - Section 30
Shugart "C"	3	Unit I - Section 30

(2) That the subject waterflood project is hereby designated the Shenandoah Shugart Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations;

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve expansion of the Shenandoah Shugart Waterflood Project to include such additional lands and injection wells in the area of the project as may be necessary to complete an efficient water injection pattern; that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

-3-

CASE No. 3779

Order No. R-3431

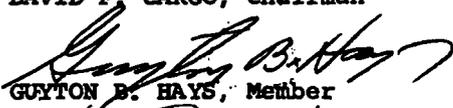
(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman


GUYTON B. HAYS, Member


A. L. PORTER, Jr., Member & Secretary

S E A L

esr/



SHENANDOAH OIL CORPORATION

September 29, 1972

3

B. J. KELLENBERGER
PRESIDENT

1500 COMMERCE BUILDING
FORT WORTH, TEXAS 76102
817/332-7381
TWX: 910 890 8023

API NO: 30-015-20196
Refers back to
R-4325

Re: Commission WFX Order No. 378
To Expand the Hinkle "F" Shugart
Waterflood Project, Eddy County,
New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: A. L. Porter

Gentlemen:

In accordance with Rule 703 (a) of the New Mexico Rules and Regulations Book, this is to advise you that water injection was commenced September 29, 1972, into the below listed well (see plat) as set forth in "Application for Administrative Approval" Order #R-4325.

Lease & Well Number

Gulf #2

Location

[REDACTED]

Very truly yours,

SHENANDOAH OIL CORPORATION

T. P. Bates

T. P. Bates
Vice President

TPB:ja
Attachment
CC: OCC - Artesia ✓
USGS - Artesia
Jennings, Christy & Copple
C. W. Downey, Jr.

RECEIVED

OCT 2 - 1972

O. C. C.
ARTEZIA, OFFICE

Entered June 14, 1972
A.P.P.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 4726
Order No. R-4325

APPLICATION OF SHENANDOAH OIL
CORPORATION FOR A WATERFLOOD
PROJECT, EDDY COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 7, 1972, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 14th day of June, 1972, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Shenandoah Oil Corporation, seeks authority to institute a waterflood project in the Shugart Pool ~~by the injection of water into the Grayburg-San Andres formations~~ through one injection well in Section 27, Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico.
- (3) That the applicant further seeks a procedure whereby additional injection and production wells in the area of the said project as may be necessary in order to complete an efficient injection pattern may be approved administratively; that said administrative procedure should provide for administrative approval for conversion to water injection in exception to the well response requirements of Rule 701 E-5 of the Commission Rules and Regulations.
- (4) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.
- (5) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

-2-

CASE NO. 4726
Order No. R-4325

(6) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations; provided however, that the showing of well response as required by Rule 701 E-5 should not be necessary before obtaining the above-described administrative approval.

IT IS THEREFORE ORDERED:

(1) That the applicant, Shenandoah Oil Corporation, is hereby authorized to institute a waterflood project in the Shugart Pool by the injection of water into the Grayburg-San Andres formations through its Hinkle "F" Well No. 1, located 1880 feet from the North line and 1980 feet from the West line of Section 27, Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico.

(2) That the subject waterflood project is hereby designated the Shenandoah Hinkle "F" Shugart Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve such additional injection and production wells in the area of said project as may be necessary to complete an efficient water injection pattern; that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

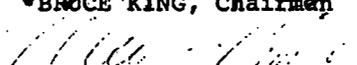
(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

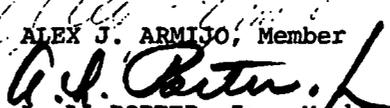
(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


BRUCE KING, Chairman


ALEX J. ARMIJO, Member


A. L. PORTER, Jr., Member & Secretary

S E A L

dr/

4



SHENANDOAH OIL CORPORATION

September 5, 1972

B. J. KELLENBERGER
PRESIDENT

1500 COMMERCE BUILDING
FORT WORTH, TEXAS 76102
817/332-7381
TWX: 910 890 8023

API NO. 30-DIS-05674
Refers to R-3431

Re: Commission WFX Order No. 371
Five Additional Injection Wells
Shugart Flood, Shugart Field,
Eddy County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: A. L. Porter

Dear Mr. Porter:

In accordance with Rule 703(a) of the New Mexico Rules and Regulations Book, this is to advise you that water injection was commenced August 28, 1972, into the below listed wells (see plat) as set forth in "Application For Administrative Approval" Order No. R-3431.

Well Number	Location
Federal Keohane "B" #1	Unit E Section 28, T-18S, R-31E
Shugart "B" #5	Unit D Section (32) T-18S, R-31E
New Mexico State "Y" #1	Unit G Section 32, T-18S, R-31E
Monterey State "B" #4	Unit F Section 32, T-18S, R-31E
Monterey State #5	Unit O Section 32, T-18S, R-31E

API NO. 30-DIS-05674

should be Sec. 33

Very truly yours,

SHENANDOAH OIL CORPORATION

Original Signed by
T. P. BATES

T. P. Bates
Vice President

TPB:jn
Attachment
CC: OCC-Artesia ✓
USGS-Artesia
Jennings, Christy & Copple
Chambers & Kennedy-Midland
C. W. Downey, Jr.

RECEIVED

SEP 7 1972

O. C. C.
ARTEZIA, OFFICE

5

API No. 30-DTS-24527

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING THE:

APPLICATION OF ENDURANCE RESOURCES LLC FOR APPROVAL OF A
PRESSURE MAINTENANCE PROJECT, EDDY COUNTY, NEW MEXICO

CASE NO. 14799

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on March 15, 2012, at Santa Fe, New Mexico before Examiner David K. Brooks.

NOW, on this 13th day of August, 2012, the Division Director, having considered the testimony, the record and the recommendations of the Examiner,

FINDS THAT:

- (1) Due public notice has been given and the Division has jurisdiction of this case and its subject matter.
- (2) Endurance Resources LLC ("Endurance" or "applicant"), seeks approval to institute a ~~lease Pressure Maintenance Project into the Queen and Grayburg formations, Shugart Yates Seven Rivers Queen-Grayburg Pool~~ (Pool Code 56439), within its Hinkle "B" Federal Lease, through conversion to injection of one well, the Hinkle "B" Federal ~~Lease~~ located 990 feet from the North line and 330 feet from ~~the west line, Unit letter D~~ of Section 34, Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico.
- (3) Endurance submitted to the Division in July of 2011 an administrative application for salt water disposal into this well. The Division directed Endurance to set the matter for hearing due to the presence of producing wells within one half mile of the proposed well in the proposed disposal interval. The case was heard March 15, 2012, but the decision was delayed until August 2012 due to bonding requirements of 19.15.5.9 NMAC.
- (4) The Hinkle "B" Federal Lease (Federal Lease LC 029392B) covers the

following lands within Eddy County, New Mexico:

Township 18 South, Range 31 East, NMPM

Section 26: E/2 E/2, NW/4 NW/4, SE/4 NW/4

Section 27: S/2 SW/4, W/2 SE/4

Section 34: N/2 NW/4, SW/4 NW/4

Section 35: E/2 SE/4

(5) Endurance requests permission to convert the Hinkle "B" Federal Well No. 19 (the "proposed well") from a depleted, inactive oil well to injection of oil field produced water into the Queen and Upper Grayburg formations from perforated depths of 3410 feet to 3902 feet.

(6) Endurance presented exhibits and testimony from a geologist and engineer indicating the following:

(a) Endurance operates the Hinkle "B" Federal lease where the disposal costs of produced water have recently gone up to uneconomic levels. The lease makes approximately 30 barrels of oil per day and approximately 300 barrels of water per day.

(b) The proposed injection well is expected to easily take this volume of produced water. A commercial disposal well located within one half mile west of this location is completed in the Seven Rivers, Queen, and Grayburg formations and is taking 2100 barrels of water per day.

(c) The proposed well has been depleted in the Queen and Grayburg formations and last produced two barrels of oil per day in December of 2011. The well was acidized, went on a vacuum, and never again produced.

(d) The producing intervals in these formations are controlled by porosity trends, but there is a slight regional dip of these formations to the southeast - towards the East Shugart Unit. The East Shugart Unit was permitted for waterflooding into depths roughly equivalent to the injection depths requested in this case.

(e) This reservoir becomes water-wet towards the west as noted in wells completed in Section 33 and improves in productivity towards the east or southeast.

(f) Endurance needs this well primarily for water disposal purposes; however, Endurance has seen a small positive effect on its producers located near the East Shugart Unit especially in Section 26 and expects that water injection into the proposed well may help offsetting production wells.

(g) Endurance has noted by analogy that conditions are favorable for waterflooding in the Queen and Grayburg formations.

(h) Endurance did not find water wells within one mile of the proposed well. Any possible fresh waters will be protected by surface casing and cement.

(7) Endurance did not present testimony from a Landman, but has represented at the hearing that it is the operator of the Hinkle "B" Federal lease. The lease acreage listed in this application is scattered over portions of four sections. Endurance has indicated that the proposed well to be located in Unit letter D of Section 34 is the only well it intends to use for injection purposes, and did not present proposed or prospective waterflood patterns over the extent of this lease. Therefore, the approved Project Area should be limited to the portion of the Hinkle "B" Federal lease area reasonably expected to be affected by injection which would be the lands contained in Section 34.

(8) Within one half mile from the proposed injection well, there are 17 total wells drilled to this depth. One of those is plugged and abandoned. All of these Area of Review wells are cased, cemented, and/or plugged to adequately isolate the intended injection interval within the Queen and Grayburg formations and to protect any underground fresh waters if present.

(9) Notice was provided by Endurance in this case of its intent to inject. Endurance sent notices to all "affected persons" as defined in 19.15.26.7A. NMAC. The surface owner at the well site of the Hinkle "B" Federal Well No. 19 is the U.S. Bureau of Land Management ("BLM") and the BLM was notified. The Bureau of Land Management's Carlsbad Field Office objected to the proposed conversion of this well, with letter dated February 14, 2012. Endurance reported at the hearing it had met with the BLM and discussed concerns. The lands immediately offsetting this lease in Section 33 are leased by Canyon E&P Company. Efforts to contact Canyon have not been successful.

(10) No other parties appeared in this case or otherwise opposed this application.

(11) Endurance Resources LLC (OGRID 270329) is the operator of record of the wells located on this acreage. Endurance is now in compliance with Division Rule 5.9 and therefore eligible for approval of disposal and injection permits.

(12) The proposed secondary recovery injection project or waterflood within this lease is feasible and should result in the recovery of additional oil and gas that would not otherwise be recovered.

(13) The estimated additional costs of the proposed secondary recovery operations will not exceed the estimated value of the additional oil and gas recovered plus a reasonable profit.

(14) The proposed project will prevent waste, protect correlative rights, and should be approved and called the Hinkle "B" Federal Pressure Maintenance Project.

The Project Area to be affected by this secondary recovery operation should consist of the portion of the Hinkle "B" Federal lease area contained in the N/2 NW/4 and SW/4 NW/4 of Section 34.

(15) As proposed, Endurance should be approved to inject into the Hinkle "B" Federal Well No. 19 (API No. 30-015-24527) located within Unit letter D of Section 34 into the Queen and Grayburg formations from depths of 3410 feet to 3902 feet.

IT IS THEREFORE ORDERED THAT:

(1) Endurance Resources LLC ("operator", OGRID 270329) is hereby authorized to implement secondary recovery operations within the project area of its Hinkle "B" Federal Lease (LC 029392B) by water injection into the Queen and Grayburg formations, Shugart-Yates-Seven Rivers-Queen-Grayburg Pool (Pool Code 56439).

(2) The project shall be called the **Hinkle "B" Federal Pressure Maintenance Project** and the Project Area shall consist of the N/2 NW/4 and SW/4 NW/4 of Section 34, Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico.

(3) Injection is approved within the Hinkle "B" Federal Well No. 19 (API No. 30-015-24527), located 990 feet from the North line and 330 feet from the West line, Unit letter D in Section 34, Township 18 South, Range 31 East, NMPM, Eddy County, New Mexico. Injection shall be through perforations in that well from a maximum depth range from 3410 to 3902 feet, and through lined tubing and a packer set no higher than 100 feet above the approved injection interval.

(4) The operator shall take all steps necessary to ensure that the injected water enters only the permitted injection intervals and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(5) The casing-tubing annulus shall be filled with an inert fluid, and a gauge or approved leak-detection device shall be attached to the annulus in order to detect any leakage in the casing, tubing, or packer.

(6) The injection well or pressurization system shall be equipped with a pressure control device or acceptable substitute that will limit the maximum surface injection pressure to 682 psi.

(7) The Division Director may administratively authorize a pressure limitation in excess of the above, upon a showing by the operator, supported by approved Step Rate Tests that such higher pressure will not result in the fracturing of the injection formation or confining strata or damage to the reservoir.

(8) As per Division Rule 19.15.26.11A. NMAC, the operator shall test the approved injection well for mechanical integrity prior to commencing injection into that

well and prior to resuming injection each time the packer is unseated. All MIT testing procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC. The Division Director retains the right to require at any time wireline verification of completion and packer setting depths in this well.

(9) The operator shall provide notice, 72 hours in advance, to the supervisor of the Division's district office of the date and time of the installation of injection equipment and of any mechanical integrity test so that the same may be inspected and witnessed.

(10) The operator shall provide written notice of the date of commencement of injection to the Division's district office. In accordance with Division rules, the operator shall submit monthly reports of the injection operations on Division Form C-115.

(11) Without limitation on the duties of the operator as provided in Division rules, or otherwise, the operator shall immediately notify the Division's district office of any failure of the tubing, casing or packer in the well, or of any leakage or release of water, oil or gas from or around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

(12) The injection authority granted under this order is not transferable except upon Division approval. The Division may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.

(13) The Division may revoke this injection permit after notice and hearing if the operator is in violation of 19.15.5.9 NMAC.

(14) The injection authority granted herein shall terminate two years after the effective date of this order if the operator has not commenced injection operations into the permitted injection well, provided however, the Division, upon written request, mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

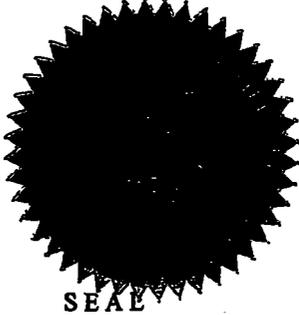
(15) One year after all injection into the project area has ceased (or not reported), the Division shall consider the project abandoned, and the authority to inject will terminate *ipso facto*. The Division, upon written request mailed by the operator prior to that termination date, may grant an extension thereof for good cause.

(16) Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

(17) Jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable

waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing (or without prior notice and hearing in case of emergency), terminate the injection authority granted herein.

DONE in Santa Fe, New Mexico, on the day and year hereinabove designated.

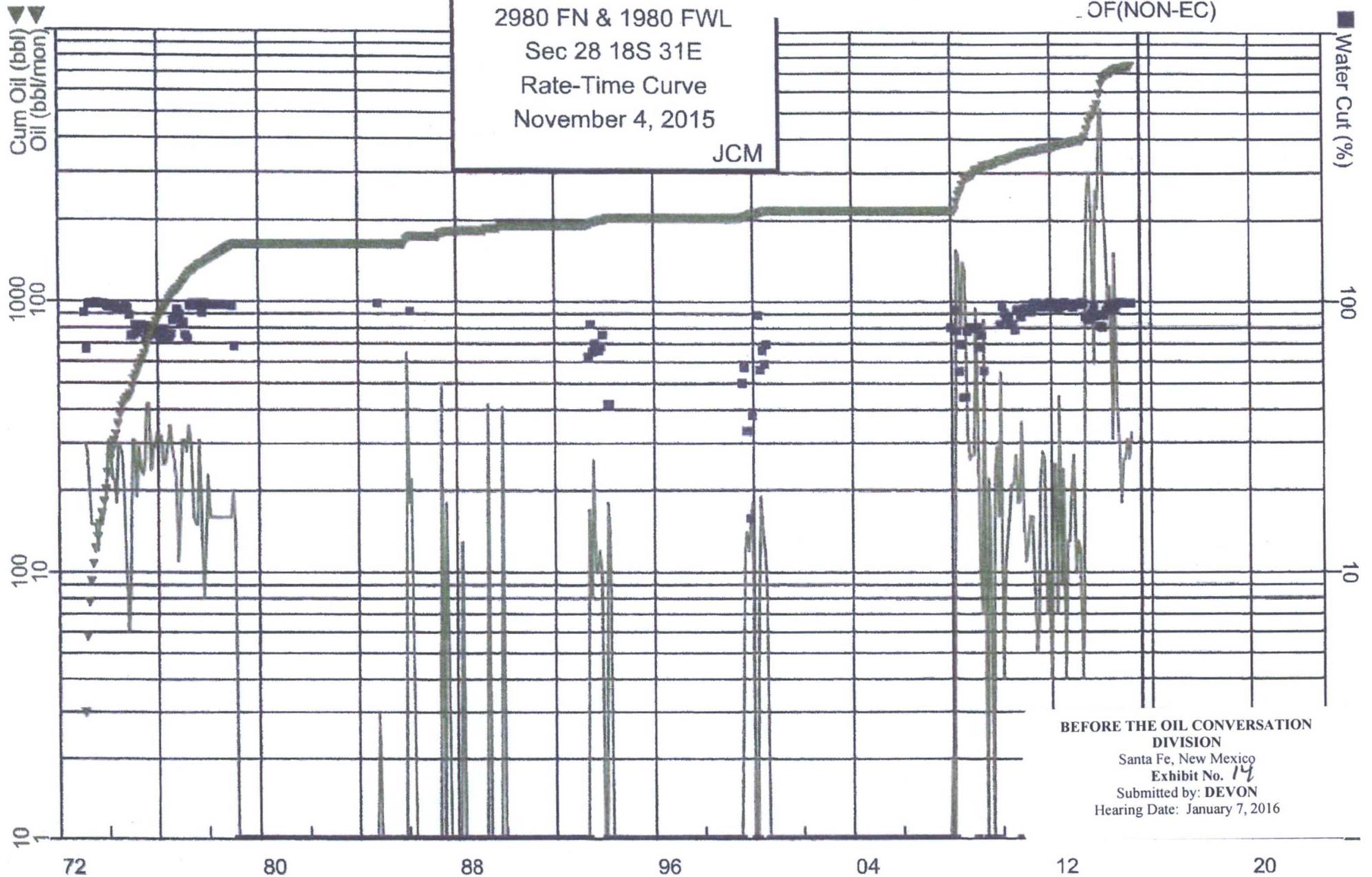


STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

JAMI BAILEY
Director

LG&S SWD Application
Keohane B Fed #3 SWD
2980 FN & 1980 FWL
Sec 28 18S 31E
Rate-Time Curve
November 4, 2015

JCM



BEFORE THE OIL CONVERSION
DIVISION
Santa Fe, New Mexico
Exhibit No. 14
Submitted by: DEVON
Hearing Date: January 7, 2016

Proj Oil Cum: 7.43 Mbbbl
Oil Rem: 0.00 Mbbbl
Oil EUR: 7.43 Mbbbl

Proj Gas Cum: 0.00 MMcf
Gas Rem: 0.00 MMcf
Gas EUR: 0.00 MMcf

OCD Permitting

Home Wells Well Details

30-015-24527 HINKLE B FEDERAL #019 [315713]**General Well Information**

Operator: [265378] GEORGE A CHASE JR DBA G AND C SERVICE
 Status: Active
 Well Type: Salt Water Disposal Direction: Vertical
 Work Type: Plugback Lease Type: Federal
 Surface Location: D-34-18S-31E 990 FNL 330 FWL
 Lat/Long: 32.7085533,-103.8648376 NAD83
 GL Elevation: 3619 Sing/Mult Compl: Single
 Potash Waiver: False

Proposed Formation and/or Notes

QUEEN-GRAYBURG

Depths

Proposed: 4200 Total Vertical Depth: 4200
 Measured Vertical Depth: 4200 Plugback Measured: 0

Formation Tops

Formation	Top	Producing
Yates	2470	
Seven Rivers	2660	
Queen	3410	
Grayburg	3709	
San Andres	4040	

Event Dates

Initial APD Approval: 11/01/1983
 Most Recent APD Approval: 12/16/2015 Current APD Expiration: 08/22/2014
 APD Cancellation:
 APD Extension Approval:
 Spud: 08/18/1993
 Approved Temporary Abandonment: TA Expiration:
 Shut In Waiting For Pipeline:
 Plug and Abandoned Intent Received:
 Well Plugged: PNR Expiration:
 Site Release: Last MIT/BHT: 10/08/2015
 Last Inspection: 12/11/2015

Quick Links

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- [History](#)
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- [Production](#)
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Associated Images

- [Well Files](#)
- [Well Logs](#)
- [Administrative Orders](#)

New Searches

- [New Well Search](#)

BEFORE THE OIL CONVERSATION
 DIVISION
 Santa Fe, New Mexico
 Exhibit No. 78
 Submitted by: DEVON
 Hearing Date: January 7, 2016

History

Effective Date	Property	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
12/16/2015	[315713] HINKLE B FEDERAL	[285378] GEORGE A CHASE JR DBA G AND C SERVICE	Plugback	Salt Water Disposal	Active		
08/22/2012	[306959] HINKLE B FEDERAL	[270329] ENDURANCE RESOURCES LLC	Plugback	Salt Water Disposal	Active		
01/25/2010	[306959] HINKLE B FEDERAL	[270329] ENDURANCE RESOURCES LLC	New	Oil	Active		
09/01/2008	[306305] HINKLE B FEDERAL	[261945] TRITEX RESOURCES, L.L.C.	New	Oil	Active		
11/01/1983	[11644] HINKLE B FEDERAL	[18862] RAY WESTALL	New	Oil	Active		

Comments**Operator**

Company: [285378] GEORGE A CHASE JR DBA G AND C SERVICE

Address:

Country: U.S.A.

Main Phone: 575-365-8702

Central Contact Person

Name: George A Chase Jr. Title: Owner
 Phone: 575-365-8702 Fax: 575-746-4169
 Cell: 575-365-8702
 E-Mail Address: 3JChase@myway.com

Artesia Contacts

Name: Gregory A Chase Title:
 Phone: 575-703-8604 Fax: 575-746-4169
 Cell: 575-703-8604
 E-Mail Address: Chevyc@nmsu.edu

Pits

No Pits Found

CasingBoreholes, Strings and
Equipment SpecificationsSpecifications for Strings
and TubingStrings Cemented and
Intervals

Cement and Plug Description

String/Hole Type	Taper	Date Set	Diameter	Top	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Moth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	08/18/1983	11.250	0	657		0	0.0	0	0			0	No
Surface Casing	1	08/18/1983	8.625	0	657	UKN	657	20.0	657	0			0	No
Hole 2	1	08/27/1983	7.875	657	4200		0	0.0	0	0			0	No
Production Casing	1	08/27/1983	4.250	0	4200	UKN	4200	9.5	4200	0			0	No
Tubing 1	1	03/08/2013	2.375	0	3380		0	0.0	0	0			0	No
Packer	1	03/08/2013	0.000	0	3380		0	0.0	0	0			0	No

Well Completions

[96187] SWD;QUEEN-GRAYBURG

Status: Active Last Produced: 11/01/2015
 Bottomhole Location: D-34-18S-31E 990 FNL 330 FWL
 Lat/Long:
 Acreage:
 DHC: No Consolidation Code:
 Test Production Method:
 Oil Volume: 0.0 bbls
 Gas Volume: 0.0 mcf
 Water Volume: 0.0 bbls

Perforations

SIGN-IN HELP

Wells Operator Data

Notes

Event Dates

Initial Effective/Approval: 08/22/2012
 Most Recent Approval: 12/16/2015
 Confidential Requested On:
 Test Allowable Approval:
 Production Test:
 TD Reached:
 Deviation Report Received: No
 Directional Survey Received: No
 First Oil Production:
 Ready to Produce: 03/08/2013
 C-104 Approval:
 Plug Back:
 Authorization Revoked Start:
 TA Expiration:
 Confidential Until:
 Test Allowable End:
 DHC:
 Rig Released:
 Logs Received: No
 Closure Pit Plat Received:
 First Gas Production:
 Completion Report Received:
 Revoked Until:

Well Completion History

Effective Property Operator Completion TA Expiration

Date	Property	Operator	Status	Date
12/16/2015	[315713] HINKLE B FEDERAL	[265378] GEORGE A CHASE JR DBA G AND C SERVICE	Active	
03/08/2013	[306959] HINKLE B FEDERAL	[270329] ENDURANCE RESOURCES LLC	Active	
08/22/2012	[306959] HINKLE B FEDERAL	[270329] ENDURANCE RESOURCES LLC	New, Not Drilled	

[56439] SHUGART;YATES-7RS-QU-GRAYBURG

Status: Zone Permanently Plugged **Last Produced:** 12/01/2011
Bottomhole Location: D-34-188-31E 990 FNL 330 FWL
Lat/Long:
Acresage:
DHC: No **Consolidation Code:**
Test **Production Method:** Pumping
Oil Volume: 0.0 bbls
Gas Volume: 0.0 mcf
Water Volume: 0.0 bbls

Perforations

Date	Top Measured Depth (Where Completion Enters Formation)	Bottom Measured Depth (End of Lateral)

Notes**Event Dates**

Initial Effective/Approval:	11/01/1983	TA Expiration:	
Most Recent Approval:	08/22/2012	Confidential Until:	
Confidential Requested On:		Test Allowable End:	
Test Allowable Approval:		DHC:	
Production Test:		Rig Released:	
TD Reached:		Logs Received:	No
Deviation Report Received:	No	Closure PR Plat Received:	
Directional Survey Received:	No	First Gas Production:	11/01/1983
First Oil Production:	11/01/1983	Completion Report Received:	
Ready to Produce:		Revoked Until:	
C-104 Approval:			
Plug Back:			
Authorization Revoked Start:			

Well Completion History

Effective Date	Property	Operator	Completion Status	TA Expiration Date
08/22/2012	[306959] HINKLE B FEDERAL	[270329] ENDURANCE RESOURCES LLC	Zone Permanently Plugged	
01/25/2010	[306959] HINKLE B FEDERAL	[270329] ENDURANCE RESOURCES LLC	Active	
09/01/2008	[306305] HINKLE B FEDERAL	[261945] TRITEX RESOURCES, L.L.C.	Active	
11/01/1983	[11644] HINKLE B FEDERAL	[18862] RAY WESTALL	Active	

Financial Assurance

Bond Id	Bond Type	Amount	Issuer	Cash/Surety	Issuer Bond Number	Bond Cancellation Date
5810	Blanket	50000	WESTERN BANK	LOC	LOC09-005	

Requests to release bonds must be submitted in writing. You may send an e-mail to Denise.Gallegos@state.nm.us or fax a letter to (505) 476-3453.

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports ([Inactive Well Report](#), [Financial Assurance Report](#)).

Also note that some compliance issues are addressed at the operator level so not listed under each well.

Complaints, Incidents and Spills

No Incidents Found

Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the Initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application.

Orders

Pressure Maintenance PMX-0-0

Applicant: [270329] ENDURANCE RESOURCES LLC
 Reviewer: DB Contact: Randall Harris
 BLM Office: Approved By: BLM
 Issuing Office: Santa Fe

Processing Dates

Received: 03/15/2012
 Suspended:
 Ordered: 08/13/2012 Expiration:
 Cancelled:

Comments

First as SWD admin 7/8/11, then processed as Case 14799 PMX

Notes

Hearing Order 14799 R-13615-0

Primary Pool: SHUGART YATES 7 RVRS QUEEN GB
 Examiner: Brooks Applicant: ENDURANCE RESOURCES LLC
 Approved: Yes Nomenclature:
 Denied: Dismissed:
 Comments: Hinkle "B" Federal Pressure Contested:

Maintenance Project

Order Pools

Pool	Gas Percent	Oil Percent
[56439] SHUGART;YATES-7RS-QU-GRAYBURG	0	0

Injection Orders

Injection

Pressure

Formation	Top	Bottom	Packer Depth	Tubing Size	Gradient	Injection Limit	CO2 Limit	Comments
Pqu	3410	3902	0	0	0	682	0	

Injection Pressure Increase IPI-0

Applicant: [270329] ENDURANCE RESOURCES LLC
 Reviewer: WWJ Contact: Ben Stone
 BLM Office: Approved By: BLM
 Issuing Office: Santa Fe

Processing Dates

Received: 01/29/2016
 Suspended:
 Ordered: Expiration:
 Cancelled: 01/30/2015

Comments

for PMX well - denied due to more water injecting than lease makes

Notes

Order Pools

Pool	Gas Percent	Oil Percent
[56439] SHUGART;YATES-7RS-QU-GRAYBURG	0	0



11/2015 [Hide All Production](#) [Export to Excel](#)

Time Frame	Production				Days P/I	Injection				Pressure
	Oil(BBLS)	Gas(MCF)	Water(BBLS)			Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	
1992 Cumulative										
SHUGART;YATES-7RS-QU-GRAYBURG										
Dec	30280	89952	30970	99	0	0	0	0	0	0
Pool Total:	30280	89952	30970	99	0	0	0	0	0	N/A
Annual Total:	30280	89952	30970	99	0	0	0	0	0	N/A
1993										
SHUGART;YATES-7RS-QU-GRAYBURG										
Jan	198	0	0	31	0	0	0	0	0	0
Feb	181	0	0	99	0	0	0	0	0	0
Mar	189	0	0	31	0	0	0	0	0	0
Apr	177	0	0	30	0	0	0	0	0	0
May	190	0	0	31	0	0	0	0	0	0

OCD Permitting - Well Details

Jun	195	0	0	30	0	0	0	0	0
Jul	196	0	0	31	0	0	0	0	0
Aug	185	0	0	99	0	0	0	0	0
Sep	188	0	0	30	0	0	0	0	0
Oct	189	0	0	31	0	0	0	0	0
Nov	187	0	0	30	0	0	0	0	0
Dec	160	0	0	31	0	0	0	0	0
Pool Total:	2235	0	0	504	0	0	0	0	N/A
Annual Total:	2235	0	0	504	0	0	0	0	N/A

1994

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	207	82	55	31	0	0	0	0	0
Feb	152	83	49	28	0	0	0	0	0
Apr	233	89	52	30	0	0	0	0	0
May	197	0	55	31	0	0	0	0	0
Jun	149	74	52	30	0	0	0	0	0
Jul	154	90	55	31	0	0	0	0	0
Aug	166	97	55	31	0	0	0	0	0
Sep	174	108	52	30	0	0	0	0	0
Dec	197	118	55	31	0	0	0	0	0
Pool Total:	1629	741	480	273	0	0	0	0	N/A
Annual Total:	1629	741	480	273	0	0	0	0	N/A

1995

SHUGART;YATES-7RS-QU-GRAYBURG

Feb	177	74	49	28	0	0	0	0	0
Mar	200	67	54	31	0	0	0	0	0
Apr	198	69	53	30	0	0	0	0	0
May	198	87	54	31	0	0	0	0	0
Jun	186	74	53	30	0	0	0	0	0
Jul	182	102	54	31	0	0	0	0	0
Aug	190	121	54	31	0	0	0	0	0
Sep	173	106	53	30	0	0	0	0	0

OCD Permitting - Well Details

Oct	194	94	54	31	0	0	0	0	0
Nov	149	110	53	30	0	0	0	0	0
Dec	129	55	54	31	0	0	0	0	0
Pool Total:	1976	959	585	334	0	0	0	0	N/A
Annual Total:	1976	959	585	334	0	0	0	0	N/A

1996

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	161	94	54	31	0	0	0	0	0
Feb	194	87	51	29	0	0	0	0	0
Mar	200	93	54	31	0	0	0	0	0
Apr	150	90	53	30	0	0	0	0	0
May	175	88	54	31	0	0	0	0	0
Jun	158	75	53	30	0	0	0	0	0
Jul	158	83	54	31	0	0	0	0	0
Aug	164	99	54	31	0	0	0	0	0
Sep	160	73	53	30	0	0	0	0	0
Oct	145	77	55	31	0	0	0	0	0
Nov	122	71	53	30	0	0	0	0	0
Dec	112	62	54	31	0	0	0	0	0
Pool Total:	1899	992	642	366	0	0	0	0	N/A
Annual Total:	1899	992	642	366	0	0	0	0	N/A

1997

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	121	62	54	31	0	0	0	0	0
Feb	113	75	49	28	0	0	0	0	0
Mar	122	74	54	31	0	0	0	0	0
Apr	120	61	53	30	0	0	0	0	0
May	122	56	54	31	0	0	0	0	0
Jun	127	34	60	30	0	0	0	0	0
Jul	125	32	62	31	0	0	0	0	0
Aug	125	6	60	30	0	0	0	0	0
Sep	115	4	60	30	0	0	0	0	0

OCD Permitting - Well Details

Oct	115	14	62	31	0	0	0	0	0
Nov	109	12	58	29	0	0	0	0	0
Dec	114	5	62	31	0	0	0	0	0
Pool Total:	1428	435	688	363	0	0	0	0	N/A
Annual Total:	1428	435	688	363	0	0	0	0	N/A

1998

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	105	0	62	31	0	0	0	0	0
Feb	99	0	56	28	0	0	0	0	0
Mar	115	0	62	31	0	0	0	0	0
Apr	109	0	60	30	0	0	0	0	0
May	113	0	62	31	0	0	0	0	0
Jun	104	0	20	29	0	0	0	0	0
Jul	106	0	62	31	0	0	0	0	0
Aug	102	0	62	31	0	0	0	0	0
Sep	105	0	58	29	0	0	0	0	0
Oct	99	0	62	31	0	0	0	0	0
Nov	100	0	60	30	0	0	0	0	0
Dec	89	0	62	31	0	0	0	0	0
Pool Total:	1246	0	688	363	0	0	0	0	N/A
Annual Total:	1246	0	688	363	0	0	0	0	N/A

1999

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	97	0	62	31	0	0	0	0	0
Feb	92	0	54	27	0	0	0	0	0
Mar	70	0	62	31	0	0	0	0	0
Apr	123	0	60	30	0	0	0	0	0
May	79	0	60	30	0	0	0	0	0
Jun	83	0	60	30	0	0	0	0	0
Jul	94	0	62	31	0	0	0	0	0
Aug	91	0	62	31	0	0	0	0	0
Sep	76	0	60	30	0	0	0	0	0

OCD Permitting - Well Details

Oct	100	0	62	31	0	0	0	0	0
Nov	90	0	60	30	0	0	0	0	0
Dec	100	0	62	31	0	0	0	0	0
Pool Total:	1095	0	726	363	0	0	0	0	N/A
Annual Total:	1095	0	726	363	0	0	0	0	N/A

2000

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	95	0	62	31	0	0	0	0	0
Feb	89	0	58	29	0	0	0	0	0
Mar	94	0	62	31	0	0	0	0	0
Apr	89	0	60	30	0	0	0	0	0
May	57	0	62	31	0	0	0	0	0
Jun	97	0	60	30	0	0	0	0	0
Jul	89	0	62	31	0	0	0	0	0
Aug	93	0	62	31	0	0	0	0	0
Sep	93	0	62	30	0	0	0	0	0
Oct	88	0	62	31	0	0	0	0	0
Nov	91	0	60	30	0	0	0	0	0
Dec	91	0	62	31	0	0	0	0	0
Pool Total:	1066	0	734	366	0	0	0	0	N/A
Annual Total:	1066	0	734	366	0	0	0	0	N/A

2001

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	91	0	62	31	0	0	0	0	0
Feb	101	0	56	28	0	0	0	0	0
Mar	90	0	62	31	0	0	0	0	0
Apr	82	0	60	30	0	0	0	0	0
May	78	0	62	31	0	0	0	0	0
Jun	55	0	60	30	0	0	0	0	0
Jul	70	0	62	31	0	0	0	0	0
Aug	166	0	122	31	0	0	0	0	0
Sep	84	0	60	30	0	0	0	0	0

OCD Permitting - Well Details

Oct	86	0	62	31	0	0	0	0	0
Nov	85	0	60	30	0	0	0	0	0
Dec	85	0	62	31	0	0	0	0	0
Pool Total:	1073	0	790	365	0	0	0	0	N/A
Annual Total:	1073	0	790	365	0	0	0	0	N/A

2002

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	81	0	62	31	0	0	0	0	0
Feb	80	0	56	28	0	0	0	0	0
Mar	82	0	62	31	0	0	0	0	0
Apr	83	0	60	30	0	0	0	0	0
May	55	0	44	22	0	0	0	0	0
Jun	89	0	60	30	0	0	0	0	0
Jul	83	0	62	31	0	0	0	0	0
Aug	83	0	62	31	0	0	0	0	0
Sep	78	0	60	30	0	0	0	0	0
Oct	80	0	62	31	0	0	0	0	0
Nov	73	0	60	30	0	0	0	0	0
Dec	71	0	60	30	0	0	0	0	0
Pool Total:	938	0	710	355	0	0	0	0	N/A
Annual Total:	938	0	710	355	0	0	0	0	N/A

2003

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	78	0	62	31	0	0	0	0	0
Feb	76	0	56	28	0	0	0	0	0
Mar	71	0	62	31	0	0	0	0	0
Apr	72	0	60	30	0	0	0	0	0
May	69	0	62	31	0	0	0	0	0
Jun	69	0	60	30	0	0	0	0	0
Jul	70	0	60	30	0	0	0	0	0
Aug	69	0	58	29	0	0	0	0	0
Sep	60	0	60	30	0	0	0	0	0

OCD Permitting - Well Details

Oct	72	0	62	31	0	0	0	0	0
Nov	140	0	120	30	0	0	0	0	0
Dec	72	0	62	31	0	0	0	0	0
Pool Total:	918	0	784	362	0	0	0	0	N/A
Annual Total:	918	0	784	362	0	0	0	0	N/A

2004

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	148	0	124	31	0	0	0	0	0
Feb	66	0	58	29	0	0	0	0	0
Mar	72	0	62	31	0	0	0	0	0
Apr	69	0	60	30	0	0	0	0	0
May	70	0	62	31	0	0	0	0	0
Jun	66	0	60	30	0	0	0	0	0
Jul	68	0	62	31	0	0	0	0	0
Aug	65	0	62	31	0	0	0	0	0
Sep	67	0	60	30	0	0	0	0	0
Oct	66	0	62	31	0	0	0	0	0
Nov	64	0	60	30	0	0	0	0	0
Dec	66	0	62	31	0	0	0	0	0
Pool Total:	887	0	794	366	0	0	0	0	N/A
Annual Total:	887	0	794	366	0	0	0	0	N/A

2005

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	66	0	62	31	0	0	0	0	0
Feb	58	0	56	28	0	0	0	0	0
Mar	64	0	62	31	0	0	0	0	0
Apr	57	0	60	30	0	0	0	0	0
May	65	0	62	31	0	0	0	0	0
Jun	61	0	60	30	0	0	0	0	0
Jul	48	0	62	31	0	0	0	0	0
Aug	39	0	62	31	0	0	0	0	0
Sep	53	0	60	30	0	0	0	0	0

OCD Permitting - Well Details

Oct	67	0	62	31	0	0	0	0	0
Nov	65	0	60	30	0	0	0	0	0
Dec	49	0	62	31	0	0	0	0	0
Pool Total:	692	0	730	365	0	0	0	0	N/A
Annual Total:	692	0	730	365	0	0	0	0	N/A

2006

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	70	0	62	31	0	0	0	0	0
Feb	58	0	56	28	0	0	0	0	0
Mar	57	0	62	31	0	0	0	0	0
Apr	45	0	60	30	0	0	0	0	0
May	59	0	62	31	0	0	0	0	0
Jun	55	0	60	30	0	0	0	0	0
Jul	58	0	27	31	0	0	0	0	0
Aug	66	0	62	31	0	0	0	0	0
Sep	55	0	60	30	0	0	0	0	0
Oct	66	0	62	31	0	0	0	0	0
Nov	63	0	60	30	0	0	0	0	0
Dec	60	0	62	31	0	0	0	0	0
Pool Total:	712	0	695	365	0	0	0	0	N/A
Annual Total:	712	0	695	365	0	0	0	0	N/A

2007

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	61	0	34	31	0	0	0	0	0
Feb	59	0	48	28	0	0	0	0	0
Mar	56	0	53	31	0	0	0	0	0
Apr	51	0	50	30	0	0	0	0	0
May	60	0	70	30	0	0	0	0	0
Jun	63	0	58	30	0	0	0	0	0
Jul	65	0	78	31	0	0	0	0	0
Aug	66	0	71	31	0	0	0	0	0
Sep	61	0	50	30	0	0	0	0	0

OCD Permitting - Well Details

Oct	65	0	52	31	0	0	0	0	0
Nov	61	0	50	30	0	0	0	0	0
Dec	63	0	52	31	0	0	0	0	0
Pool Total:	731	0	666	364	0	0	0	0	N/A
Annual Total:	731	0	666	364	0	0	0	0	N/A

2008

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	65	0	53	31	0	0	0	0	0
Feb	57	0	48	29	0	0	0	0	0
Mar	62	0	517	31	0	0	0	0	0
Apr	56	0	56	30	0	0	0	0	0
May	48	0	52	31	0	0	0	0	0
Jun	44	0	50	30	0	0	0	0	0
Jul	63	0	52	31	0	0	0	0	0
Aug	71	0	54	31	0	0	0	0	0
Sep	56	0	50	30	0	0	0	0	0
Oct	66	0	52	31	0	0	0	0	0
Nov	64	0	51	30	0	0	0	0	0
Dec	64	0	20	31	0	0	0	0	0
Pool Total:	716	0	1055	366	0	0	0	0	N/A
Annual Total:	716	0	1055	366	0	0	0	0	N/A

2009

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	66	0	0	31	0	0	0	0	0
Feb	60	0	0	28	0	0	0	0	0
Mar	68	0	0	31	0	0	0	0	0
Apr	61	0	0	30	0	0	0	0	0
May	68	0	0	31	0	0	0	0	0
Jun	65	0	0	30	0	0	0	0	0
Jul	68	0	0	31	0	0	0	0	0
Aug	61	0	0	31	0	0	0	0	0
Sep	65	0	0	30	0	0	0	0	0

OCD Permitting - Well Details

Oct	68	0	0	31	0	0	0	0	0
Nov	113	0	0	30	0	0	0	0	0
Dec	63	0	89	31	0	0	0	0	0
Pool Total:	826	0	89	365	0	0	0	0	N/A
Annual Total:	826	0	89	365	0	0	0	0	N/A

2010

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	58	0	159	31	0	0	0	0	0
Feb	52	0	207	28	0	0	0	0	0
Mar	58	0	159	31	0	0	0	0	0
Apr	70	0	160	30	0	0	0	0	0
May	71	0	160	31	0	0	0	0	0
Jun	67	0	155	30	0	0	0	0	0
Jul	68	0	149	31	0	0	0	0	0
Aug	68	0	155	31	0	0	0	0	0
Sep	65	0	205	30	0	0	0	0	0
Oct	70	0	155	31	0	0	0	0	0
Nov	53	0	150	30	0	0	0	0	0
Dec	49	0	162	31	0	0	0	0	0
Pool Total:	749	0	1976	365	0	0	0	0	N/A
Annual Total:	749	0	1976	365	0	0	0	0	N/A

2011

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	50	0	155	31	0	0	0	0	0
Feb	56	0	128	26	0	0	0	0	0
Mar	64	0	128	26	0	0	0	0	0
Apr	75	0	145	30	0	0	0	0	0
May	73	0	158	31	0	0	0	0	0
Jun	43	0	150	30	0	0	0	0	0
Jul	89	0	155	31	0	0	0	0	0
Aug	69	0	155	31	0	0	0	0	0
Sep	54	0	150	30	0	0	0	0	0

OCD Permitting - Well Details

Oct	71	0	65	31	0	0	0	0	0
Nov	60	0	150	30	0	0	0	0	0
Dec	49	0	140	31	0	0	0	0	0
Pool Total:	753	0	1679	358	0	0	0	0	N/A
Annual Total:	753	0	1679	358	0	0	0	0	N/A

2012

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	0	0	0	29	0	0	0	0	0
Feb	0	0	0	29	0	0	0	0	0
Mar	0	0	0	31	0	0	0	0	0
Apr	0	0	0	30	0	0	0	0	0
May	0	0	0	30	0	0	0	0	0
Jun	0	0	0	30	0	0	0	0	0
Jul	0	0	0	31	0	0	0	0	0
Aug	0	0	0	31	0	0	0	0	0
Sep	0	0	0	30	0	0	0	0	0
Oct	0	0	0	31	0	0	0	0	0
Nov	0	0	0	30	0	0	0	0	0
Dec	0	0	0	31	0	0	0	0	0
Pool Total:	0	0	0	363	0	0	0	0	N/A
Annual Total:	0	0	0	363	0	0	0	0	N/A

2013

SHUGART;YATES-7RS-QU-GRAYBURG

Jan	0	0	0	31	0	0	0	0	0
Feb	0	0	0	28	0	0	0	0	0
Mar	0	0	0	31	0	0	0	0	0
Pool Total:	0	0	0	90	0	0	0	0	N/A

SWD;QUEEN-GRAYBURG

Apr	0	0	0	0	6870	0	0	0	0
May	0	0	0	0	7079	0	0	0	744
Jun	0	0	0	0	8485	0	0	0	860
Jul	0	0	0	0	10059	0	0	0	948

OCD Permitting - Well Details

Aug	0	0	0	0	8999	0	0	0	1000
Sep	0	0	0	0	12182	0	0	0	1000
Oct	0	0	0	0	13188	0	0	0	1000
Nov	0	0	0	0	13498	0	0	0	1000
Dec	0	0	0	0	15098	0	0	0	1050
Pool Total:	0	0	0	0	95458	0	0	0	N/A
Annual Total:	0	0	0	90	95458	0	0	0	N/A

2014

SWD;QUEEN-GRAYBURG

Jan	0	0	0	0	14376	0	0	0	1100
Feb	0	0	0	0	10090	0	0	0	1100
Mar	0	0	0	0	9161	0	0	0	1100
Apr	0	0	0	0	11640	0	0	0	1100
May	0	0	0	0	15192	0	0	0	1100
Jun	0	0	0	0	15318	0	0	0	1100
Jul	0	0	0	0	20910	0	0	0	1250
Aug	0	0	0	0	19774	0	0	0	1170
Sep	0	0	0	0	14041	0	0	0	1170
Oct	0	0	0	0	19368	0	0	0	1300
Nov	0	0	0	0	13764	0	0	0	1300
Dec	0	0	0	0	19183	0	0	0	1200
Pool Total:	0	0	0	0	182817	0	0	0	N/A
Annual Total:	0	0	0	0	182817	0	0	0	N/A

2015

SWD;QUEEN-GRAYBURG

Jan	0	0	0	0	15069	0	0	0	1168
Feb	0	0	0	0	13856	0	0	0	1188
Mar	0	0	0	0	15503	0	0	0	1198
Apr	0	0	0	0	16969	0	0	0	1200
May	0	0	0	0	19615	0	0	0	1230
Jun	0	0	0	0	15175	0	0	0	1230
Jul	0	0	0	0	20804	0	0	0	1230

OCD Permitting - Well Details

Month	0	0	0	0	19011	0	0	0	1230
Aug	0	0	0	0	19011	0	0	0	1230
Sep	0	0	0	0	19967	0	0	0	1230
Oct	0	0	0	0	20484	0	0	0	1230
Nov	0	0	0	0	21125	0	0	0	1230
Pool Total:	0	0	0	0	197578	0	0	0	N/A
Annual Total:	0	0	0	0	197578	0	0	0	N/A
Grand Total:	51849	93079	45481	7480	475853	0	0	0	N/A

Transporters

Transporter	Product	Most Recent for Property
[7440] LINK ENERGY, LLC	Oil	4/2013
[35103] SUNOCO PARTNERS MARKETING & TERMINALS L.P.	Oil	11/2015
[7440] LINK ENERGY, LLC	Oil	4/2013
[35103] SUNOCO PARTNERS MARKETING & TERMINALS L.P.	Oil	11/2015

Points of Disposition

ID	Type	Description	Pool(s)
2601650	Water	HINKLE B FEDERAL #5,6,7,18,19,21	[56439] SHUGART;YATES-7RS-QU-GRAYBURG
2601630	Gas	HINKLE B FEDERAL #5,6,7,18,19,21	[56439] SHUGART;YATES-7RS-QU-GRAYBURG
2601610	Oil	HINKLE B FEDERAL #5,6,7,18,19,21	[56439] SHUGART;YATES-7RS-QU-GRAYBURG

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**BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING JANUARY 6, 2016
CASE No. 15345**

DEVON ENERGY PRODUCTION COMPANY, L.P. EXHIBITS



23

26

35

**BEFORE THE OIL CONVERSATION
DIVISION**
Santa Fe, New Mexico
Submitted by: **DEVON**
Hearing Date: January 7, 2016



DELAWARE WEST
18S-31E-28
EDDY COUNTY, NEW MEXICO

This map is for illustrative purposes only and is neither a legally recorded map nor a survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

devon

NAD 1927 StatePlane New Mexico East FIPS 3001
 Datum: North American 1927; Units: Foot US
 Created by: loneyk
 Map is current as of 11/5/2015.

1 in. = 1,645.8 feet
 0 387.5 775 1,550

- Proposed Wells**
- Proposed SHL
 - Proposed BHL
 - Proposed Well
- Drilled Wells**
- Drilled SHL
 - Drilled BHL
 - All Other Values
 - ⊙ D&A
 - ⊙ GAS
 - OIL
- Devon Acreage
 □ Devon All Depths

BEFORE THE OIL CONVERSION
DIVISION
 Santa Fe, New Mexico
Exhibit No. 1
 Submitted by: **DEVON**
 Hearing Date: January 7, 2016

\\corp.dvn.com\Network\Corporate\apps\app_data\GIS\gis_data\Oke_land\Delaware_Basin\Work\map\Meg18S_31E_28_V2_11x17.mxd

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-4719
District III
1088 Rio Bravo Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994
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AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address READY OIL AND GAS MANAGEMENT ✓ P. O. Box 381 Artesia, New Mexico 88211-0381		OGRID Number OG# 153653
		Reason for Filing Code CH 3-1-99
API Number 30-0 15-05624	Pool Name SHUGART (Y.S.R.Q.GB.)	Pool Code 56439
Property Code 24615	Property Name KEOHANE "B" FEDERAL	Well Number #2

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	Feet from the	East/West line	County
C	28	18S	31E		660'	North	1980'	West	Eddy

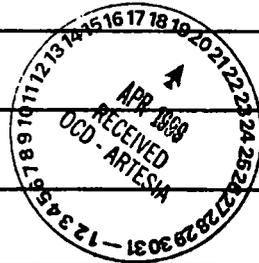
Bottom Hole Location

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

Lee Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date
F	P				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
15694	Navajo Refg.	2642310	0	
		2642330	6	



IV. Produced Water

POD	POD ULSTR Location and Description
2642350	

V. Well Completion Data

Spud Date	Ready Date	TD	FBTD	Perforations

Hole Size	Casing & Tubing Size	Depth Set	Seals Cement
			Posted TD: 3 5-21-99 B. NG OP

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Thg. Pressure	Cog. Pressure

Choke Size	Oil	Water	Gas	AOF	Test Method

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Buddy DeLong
Printed name: Buddy DeLong
Title: Owner
Date: March 5, 1999 Phone: 505-484-3135

OIL CONSERVATION DIVISION
ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR
Approved by: [Signature]
Title:
Approval Date: 4-23-99

If this is a change of operator fill in the OGRID number and name of the previous operator
X R. C. Barnett R. C. Barnett President 4-5-99
Previous Operator Signature Printed Name Title Date
XERIC OIL & GAS CORPORATION OG# 025482

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. 2
Submitted by: DEVON
Hearing Date: January 7, 2016

District I
PO Box 1906, Hobbs, NM 88241-1906
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brans Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address READY OIL AND GAS MANAGEMENT P. O. Box 381 Artesia, New Mexico 88211-0381		OGRID Number 153653
APN Number 30-015-22408-05625		Reason for Filing Code CH 3-1-99
Pool Name SHUGART (Y.S.R.Q.G.R.)		Pool Code 56439
Property Code 24615	Property Name KEOHANE "B" FEDERAL	Well Number #3

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South Line	Feet from the	East/West Line	County
F	28	18S	31E		1980'	North	1980'	West	Eddy

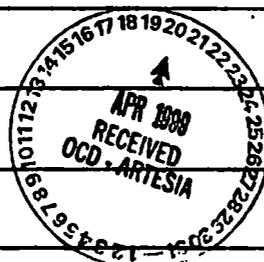
Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South Line	Feet from the	East/West Line	County
F									

Lee Code	Preceding Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date
F	SI				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	FOD	O/G	FOD ULSTR Location and Description
15694	Navajo Refg.	2642310	D	
		2642330	C	



IV. Produced Water

FOD	FOD ULSTR Location and Description
2642350	

V. Well Completion Data

Spud Date	Ready Date	TD	FBTD	Perforations

Hole Size	Casing & Tubing Size	Depth Set	Seals Cement
			perforated 50-3 8-21-99 Bly OT

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Thg. Pressure	Csg. Pressure

Choke Size	Oil	Water	Gas	AOP	Test Method

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Buddy DeLong*
Printed name: Buddy DeLong
Title: Owner

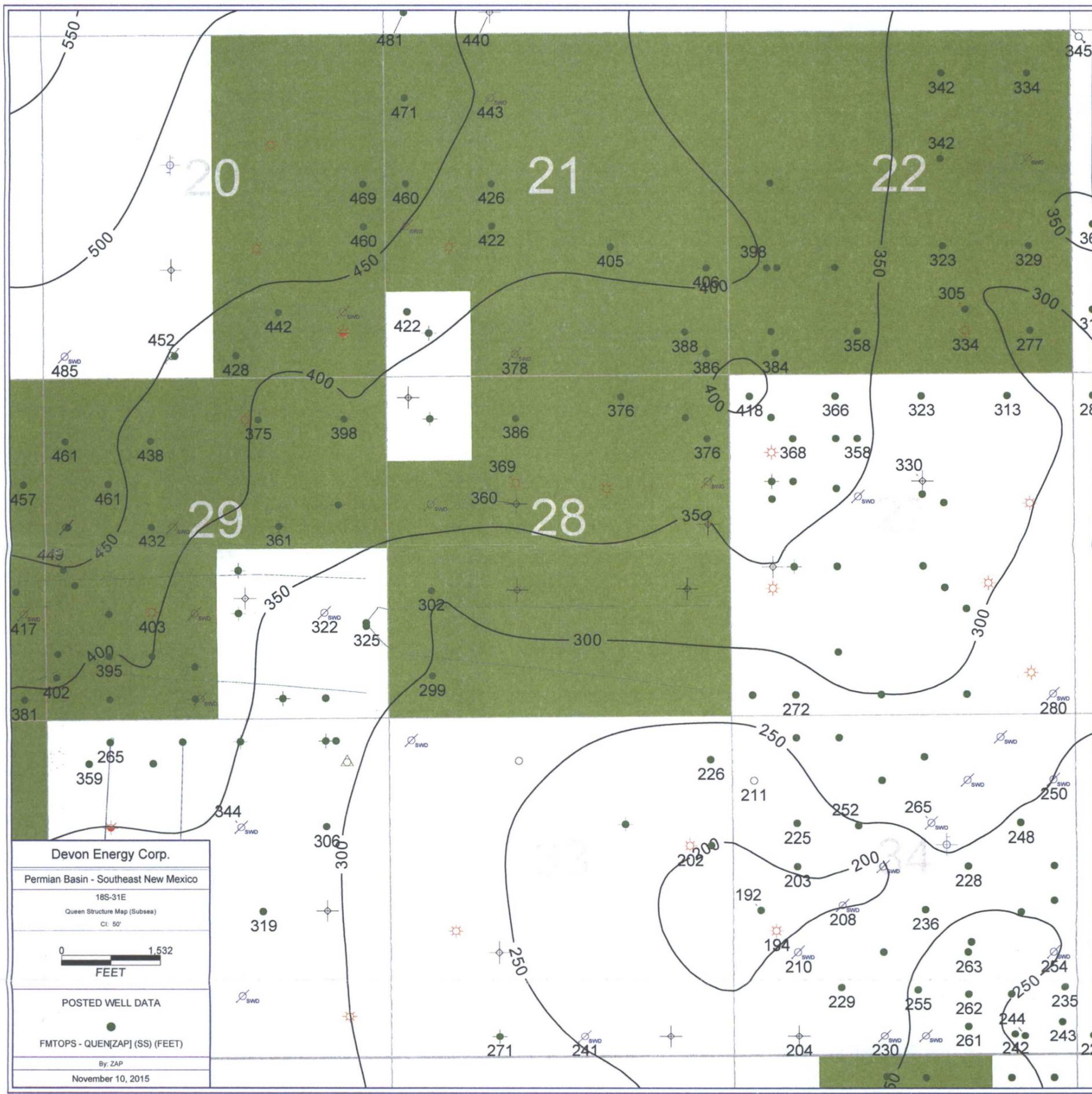
OIL CONSERVATION DIVISION
ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Approved by: *T.W. Gum*
Title:
Approval Date: 4-23-99

Date: March 5, 1999 Phone: 505-484-3135

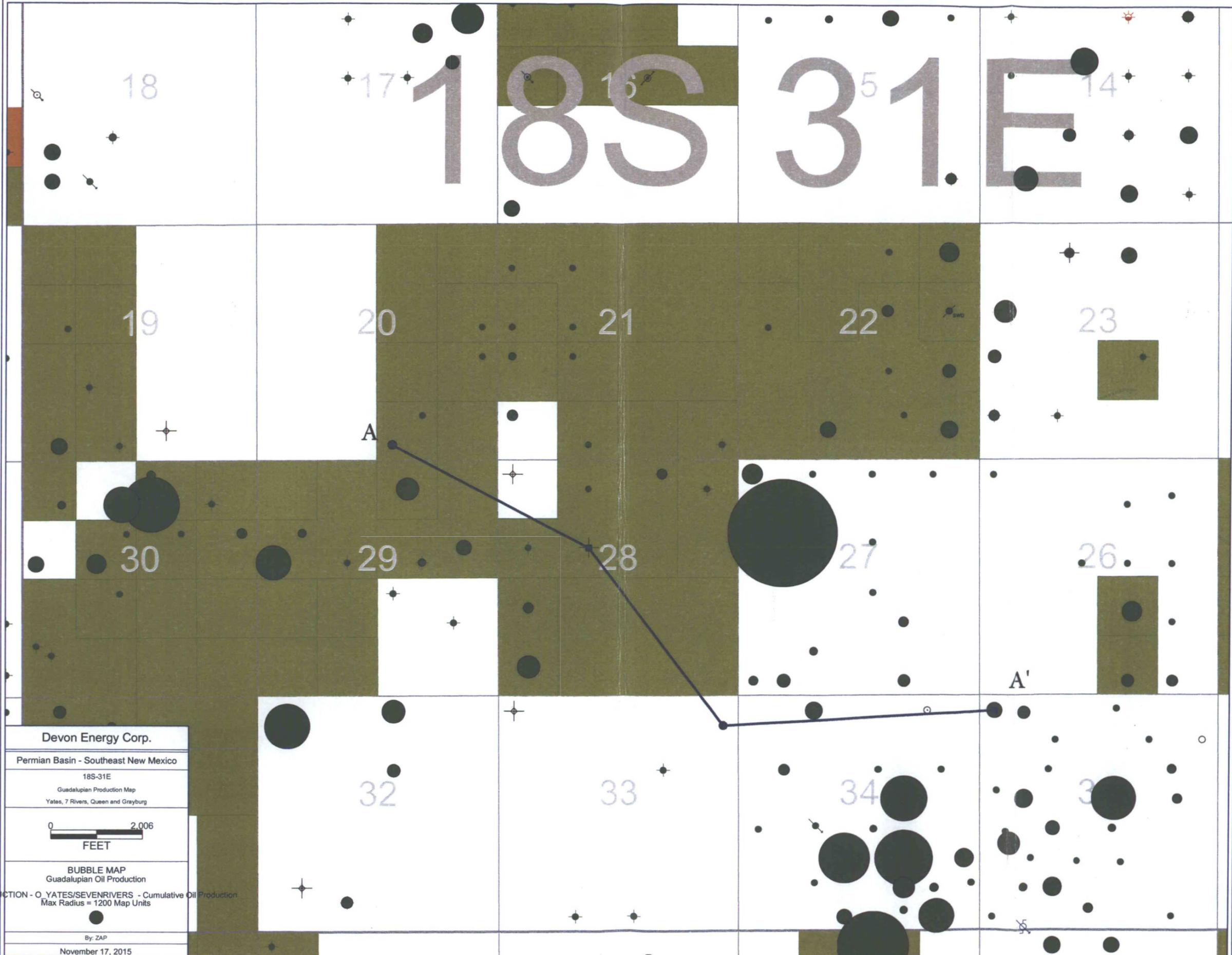
If this is a change of operator file to the OGRID number and name of the previous operator

R.C. Barnett Previous Operator Signature
XERIC OIL & GAS CORPORATION
R. C. Barnett President
4-5-99 Date
OGRID# 025482



PETRA 11/10/2015 10:58:40 AM

BEFORE THE OIL CONVERSION
 DIVISION
 Santa Fe, New Mexico
 Exhibit No. 3
 Submitted by: DEVON
 Hearing Date: January 7, 2016



Devon Energy Corp.
 Permian Basin - Southeast New Mexico
 18S-31E
 Guadalupe Production Map
 Yates, 7 Rivers, Queen and Grayburg

0 2,006
 FEET

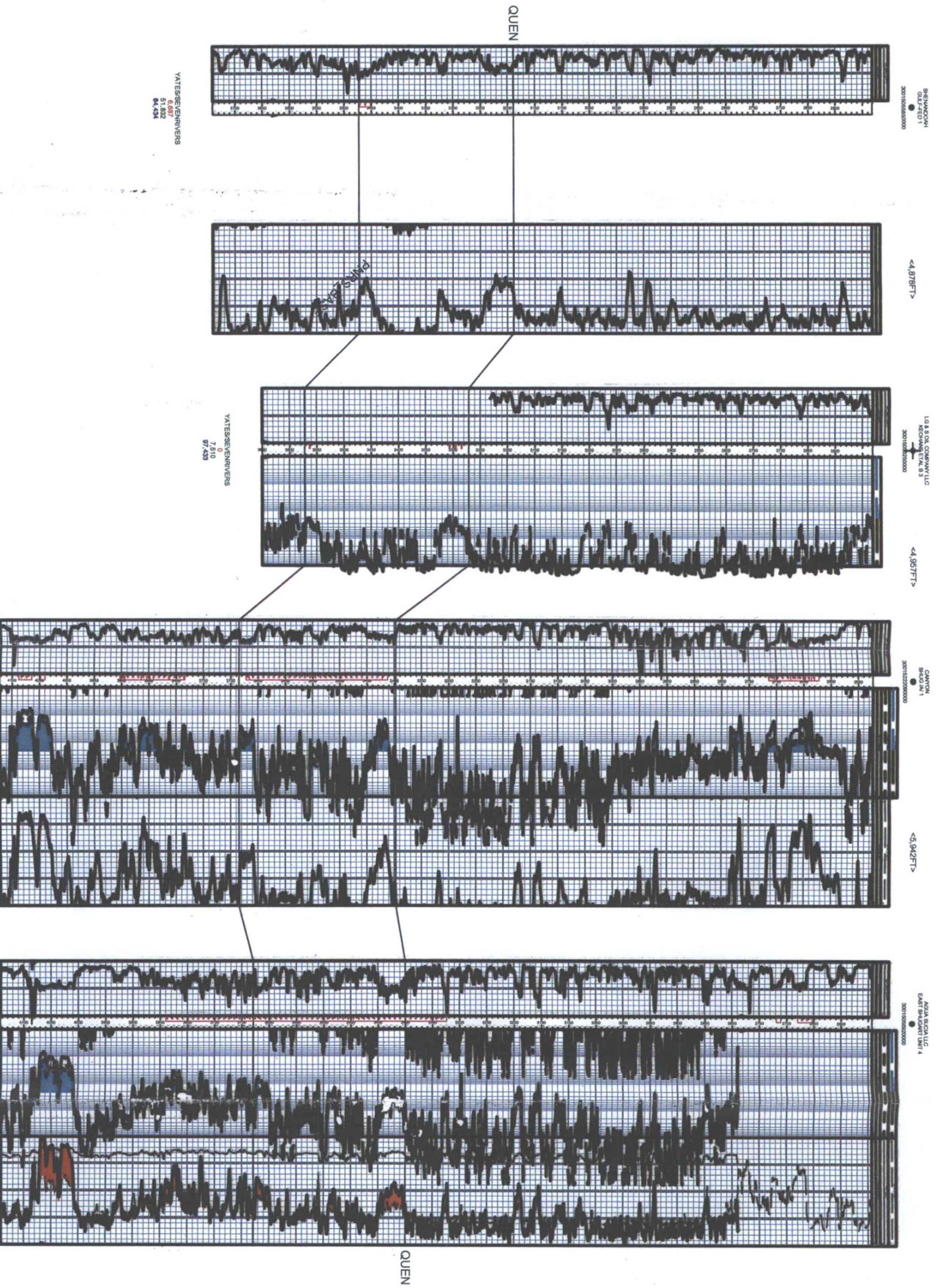
BUBBLE MAP
 Guadalupe Oil Production
 Max Radius = 1200 Map Units

By: ZAP
 November 17, 2015

IHS_PRODUCTION - O_YATES/SEVENRIVERS - Cumulative Oil Production

BEFORE THE OIL CONVERSION
 DIVISION
 Santa Fe, New Mexico
 Exhibit No. 4
 Submitted by: DEVON
 Hearing Date: January 7, 2016

A



A'

Devon Energy Corp.

Permian Basin- Southeast New Mexico

18S-31E

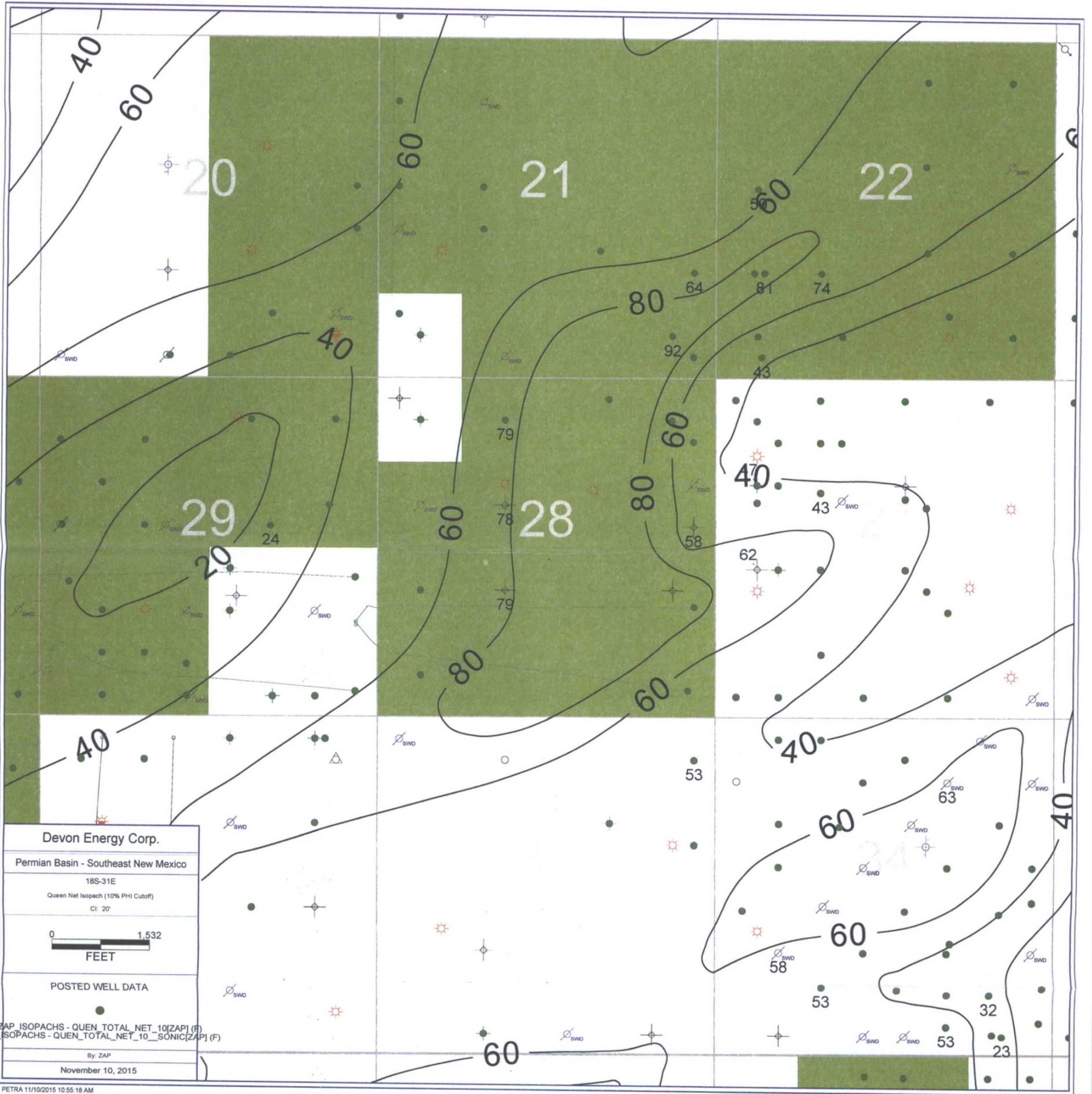
Queen Cross Section

By: ZAP

November 17, 2015 9:15 AM

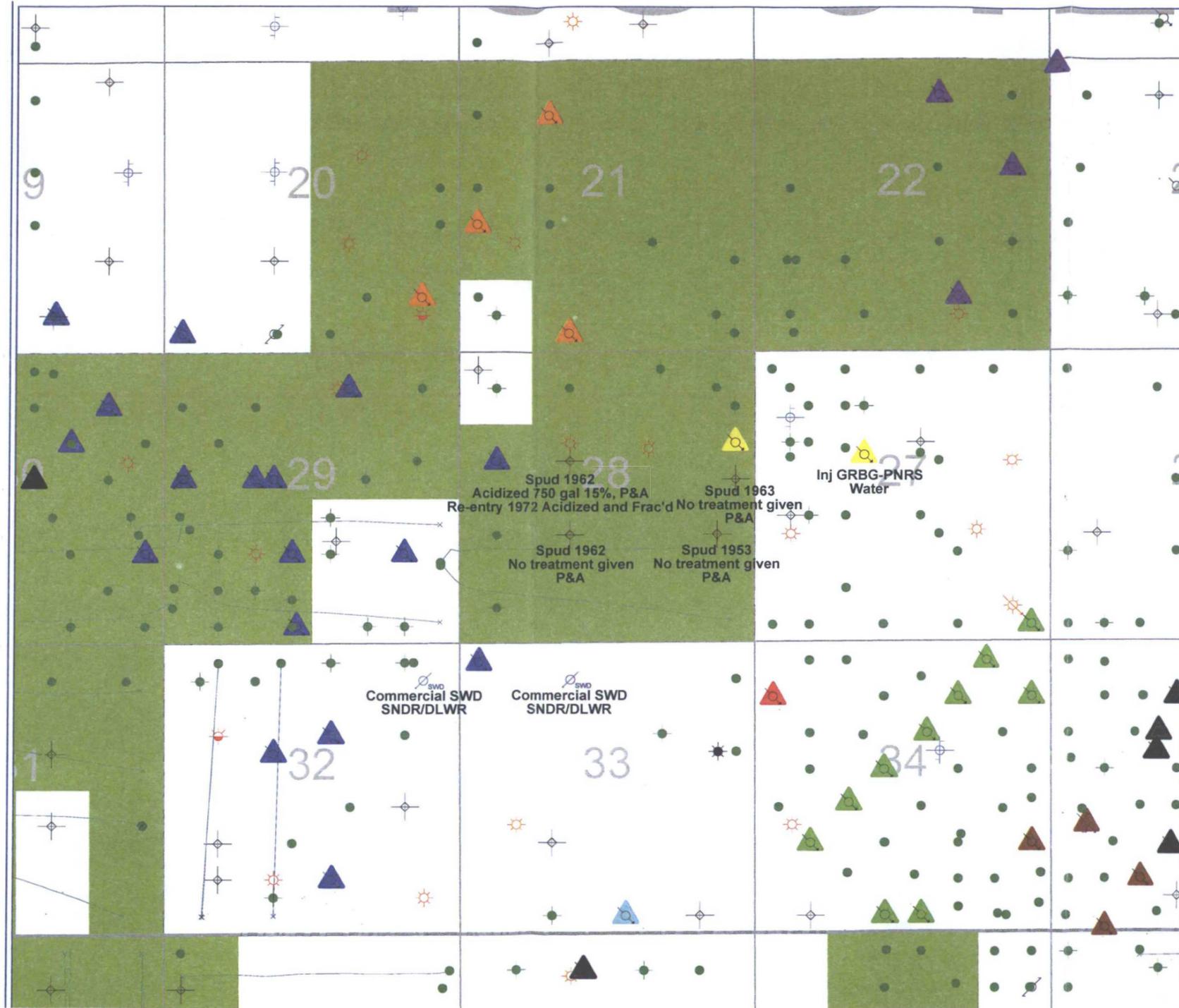
PETRA 11/17/2015 9:15:43 AM (LOGS QUEEN.XCSGP)

BEFORE THE OIL CONVERSION
 DIVISION
 Santa Fe, New Mexico
 Exhibit No. 5
 Submitted by: DEVON
 Hearing Date: January 7, 2016





PETRA 11/10/2015 10:46:32 AM



18S-31E Injection Wells



- ▲ INJ, ORDER# UNDEFINED
- ▲ NMOCDF WF ORDER# R-3871
- ▲ NMOCDF WF ORDER# R-4325
- ▲ NMOCDF WF ORDER# R-3431
- ▲ NMOCDF WF ORDER# R-4438
- ▲ NMOCDF WF ORDER# R-3769
- ▲ NMOCDF WF ORDER# R-13615
- ▲ NMOCDF WF ORDER# R-3992
- ▲ NMOCDF WF ORDER# R-3059

By: LILIAN DIXON
November 19, 2015

BEFORE THE OIL CONSERVATION
DIVISION
Santa Fe, New Mexico
Exhibit No. 8
Submitted by: DEVON
Hearing Date: January 7, 2016

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: Shugart 28 Federal #2		Field: SHUGART	
Location: 1980' FWL & 1650' FNL, Sec 28-18S-31E		County: EDDY	State: NM
Elevation: 3639' KB; 3624' GR		Spud Date: 9/10/98	Compl Date: 12/11/98
API#: 30-015-30363	Prepared by: Ronnie Slack	Date: 11/11/15	Rev:

■ **CURRENT**

17-1/4" Hole
13-3/8", 48#, H40, STC, @ 624'
 Cmt'd w/ 565 sks to surf

TOC @ 2,888' (cbl-10/24/98)

11" Hole
8-5/8", 32#, K55 & S95, LTC, @ 4825'
 Cmt'd w/ 1200 sks to surf

DV Tool @ 8999'

2-3/8", 4.7#, production tubing to 11,743' (10/25/06)

SN @ 11,744' (10/25/06)

MORROW

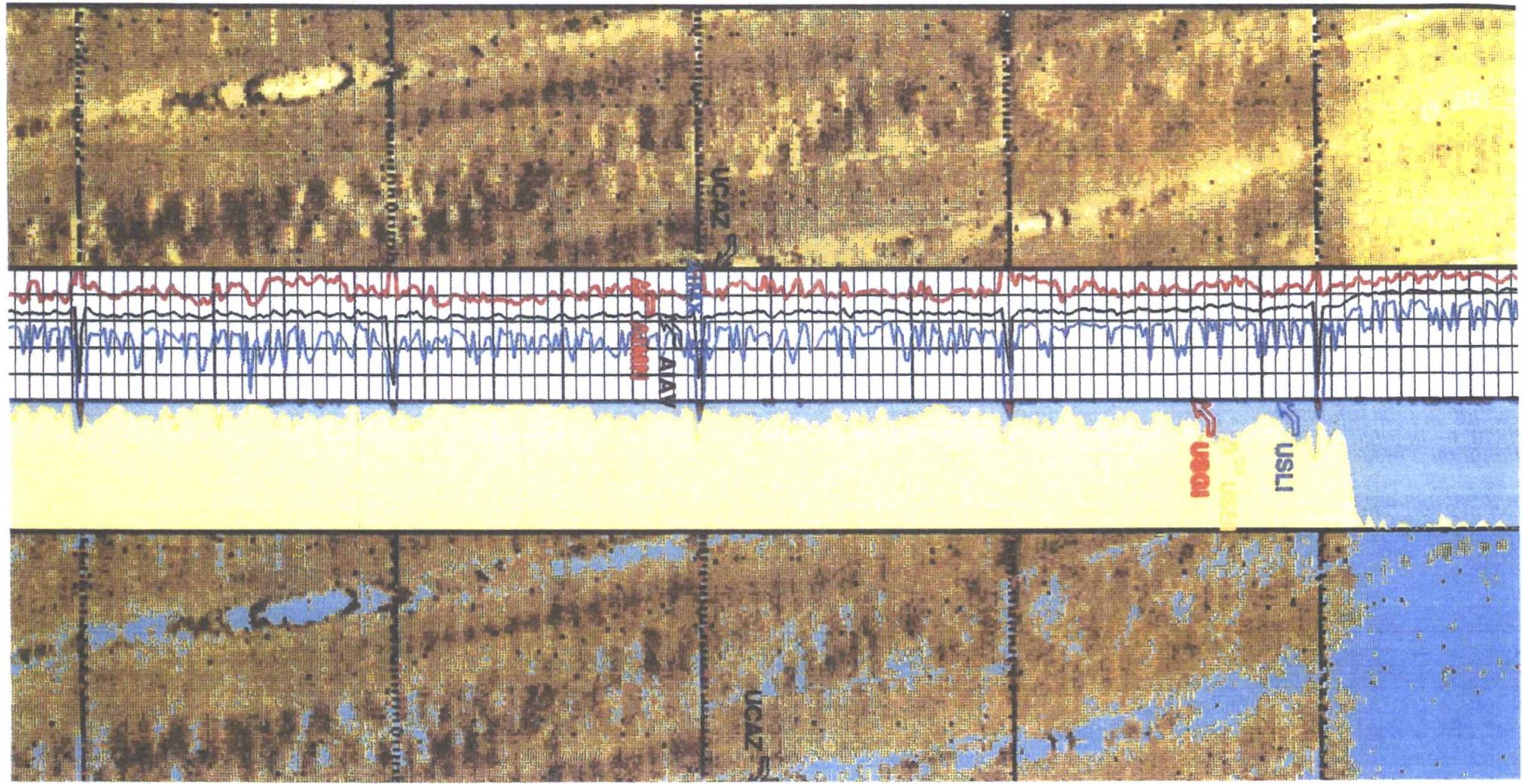
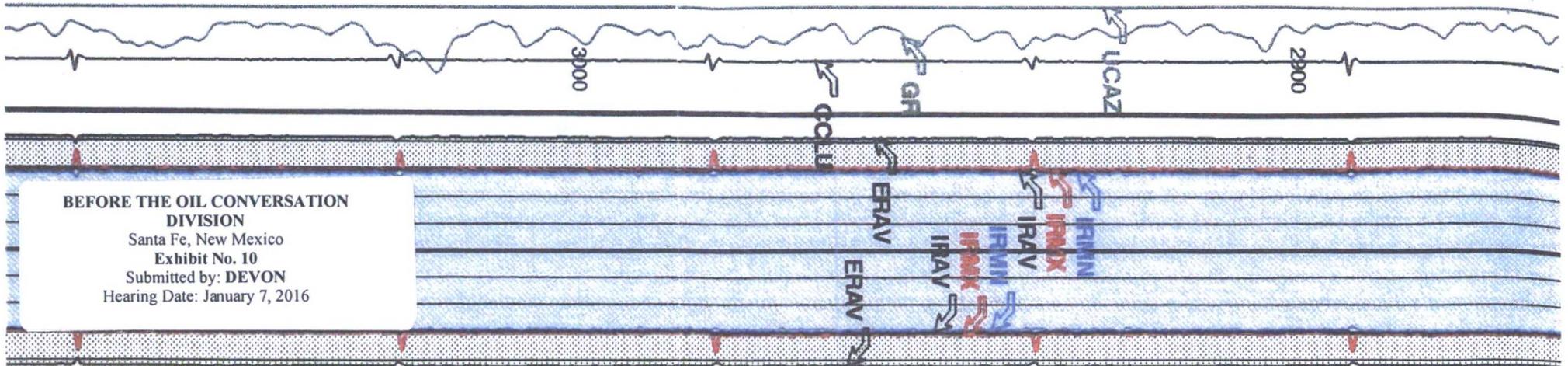
11743'-11748' (perfed 12/10/98)
 11775'-11784' (perfed 12/9/98)
 11886'-11892' } (perfed 11/14/98)
 } frac'd w/30K#, 20/40
 12/14/98: 2311 Mcf, 37 bo, 0 bw, 1300# ftp, 13/64" chk

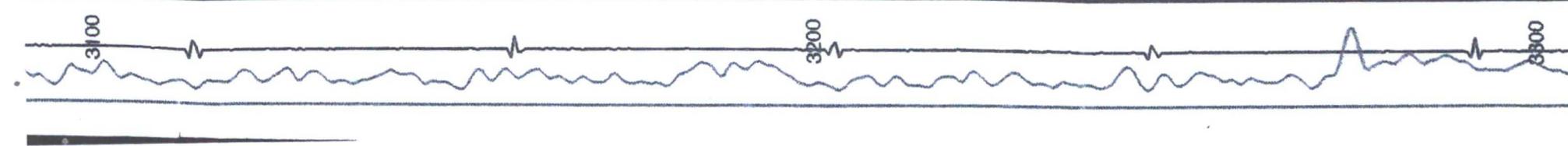
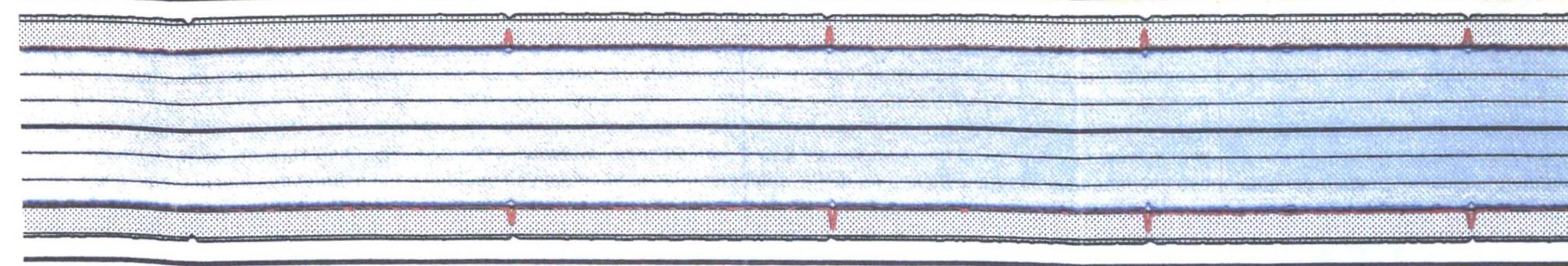
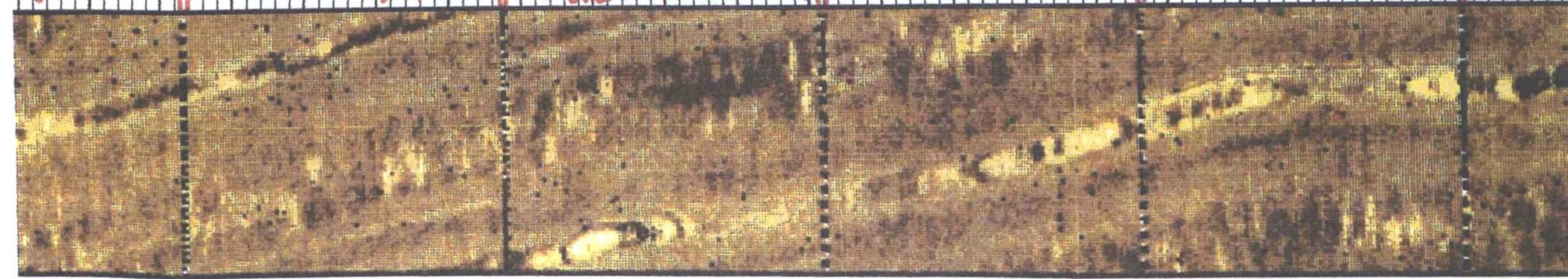
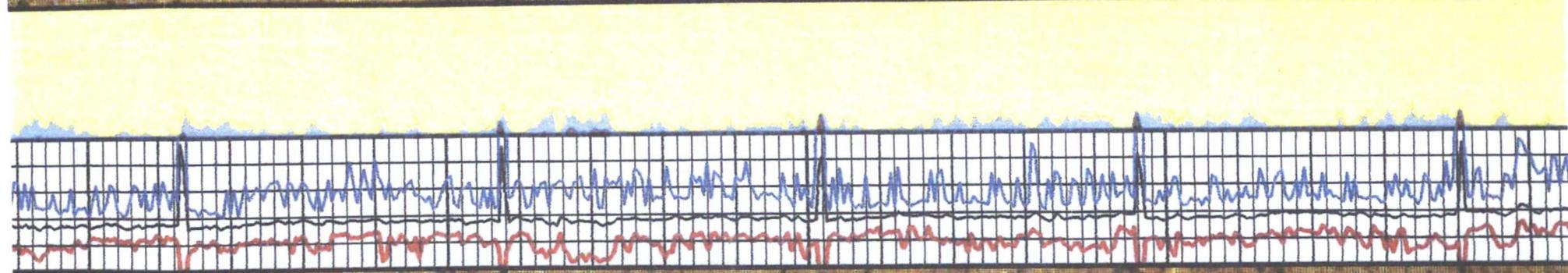
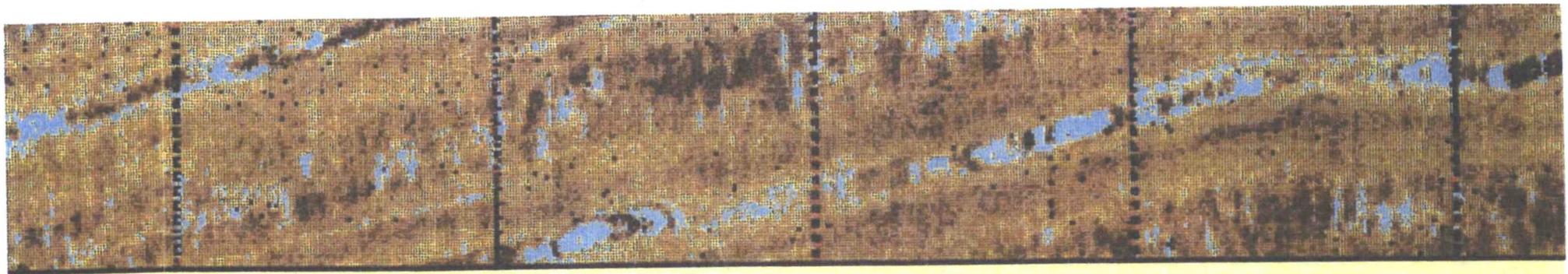
7-7/8" Hole
4-1/2", 11.6#, N80 & S95, LTC, @ 12050'
 Cmt'd 1st stage w/700 sks, 2nd stage=1100 sks

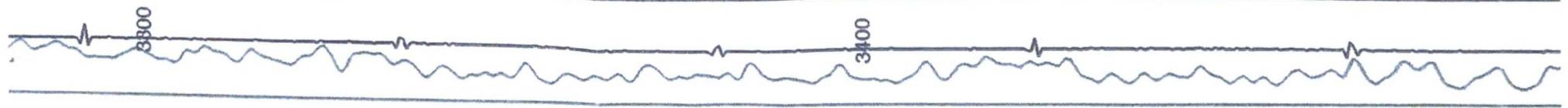
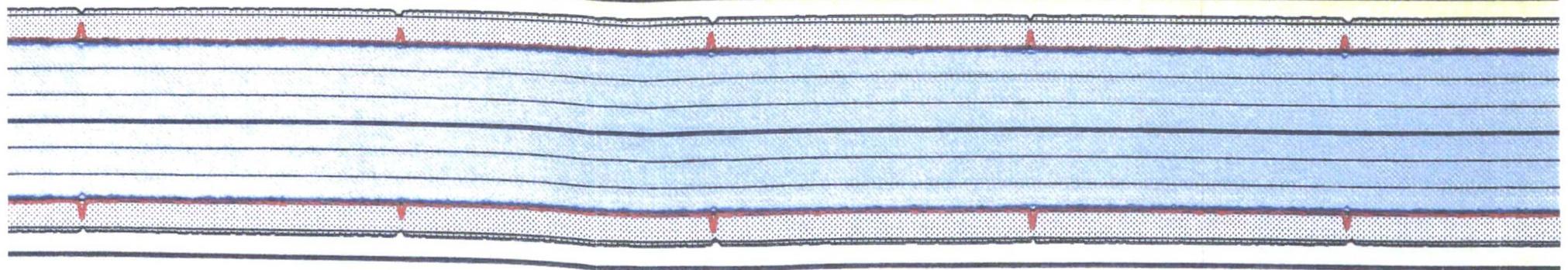
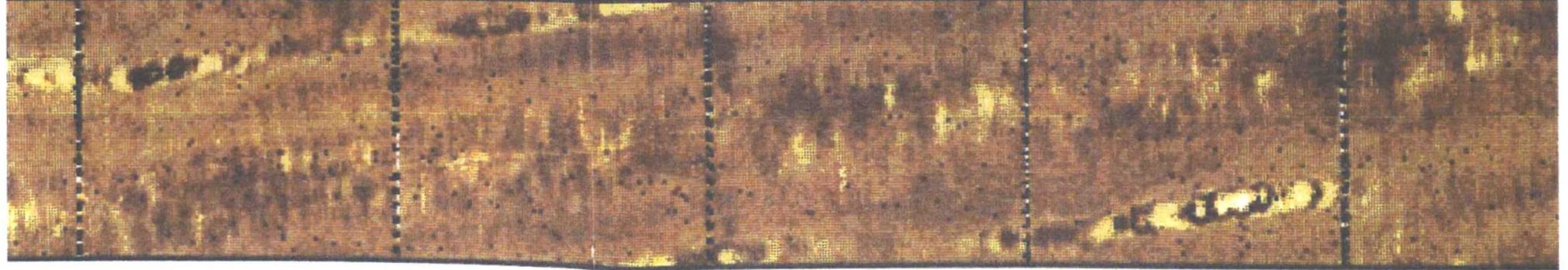
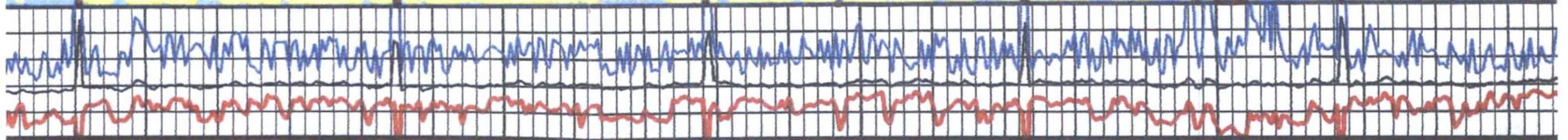
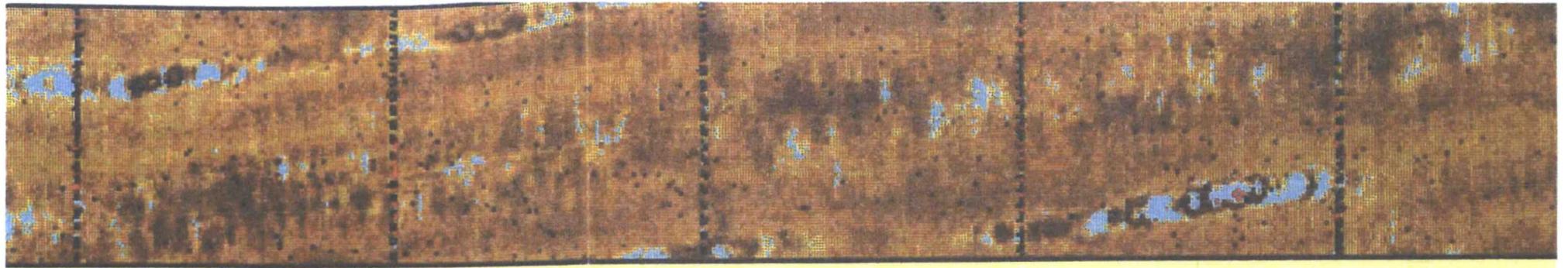
PBD @ 12002'

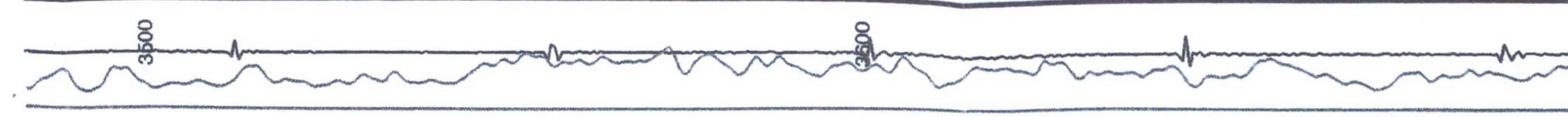
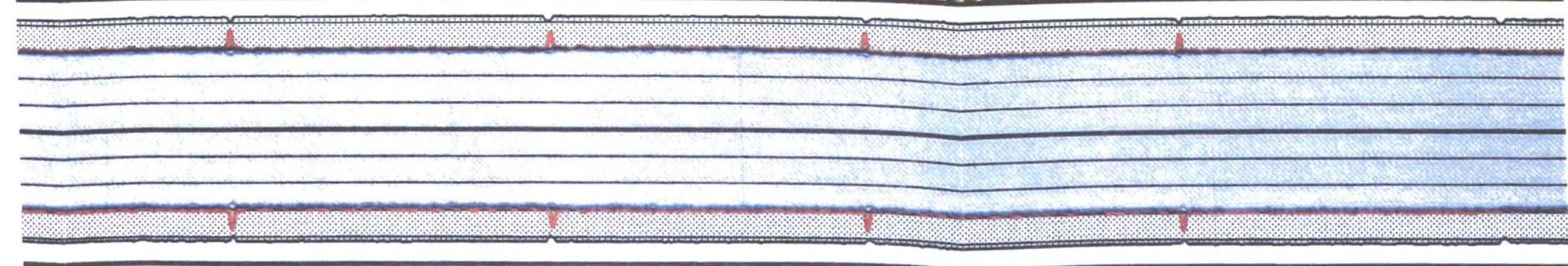
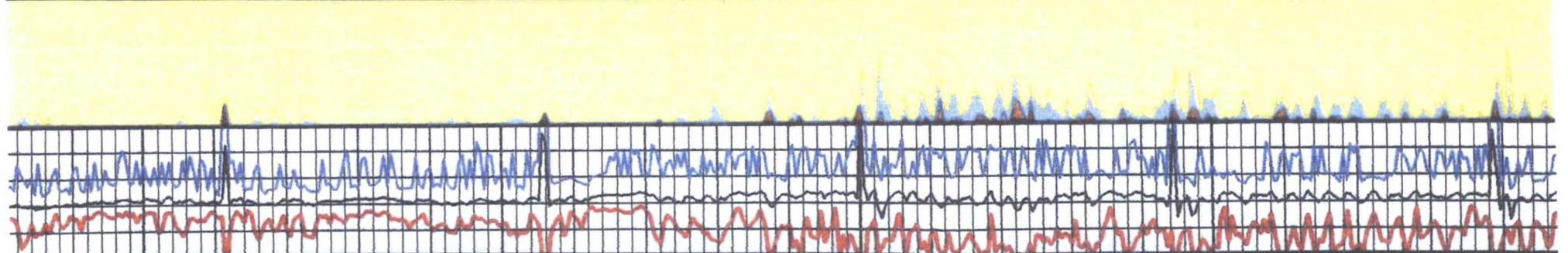
TD @ 12050'

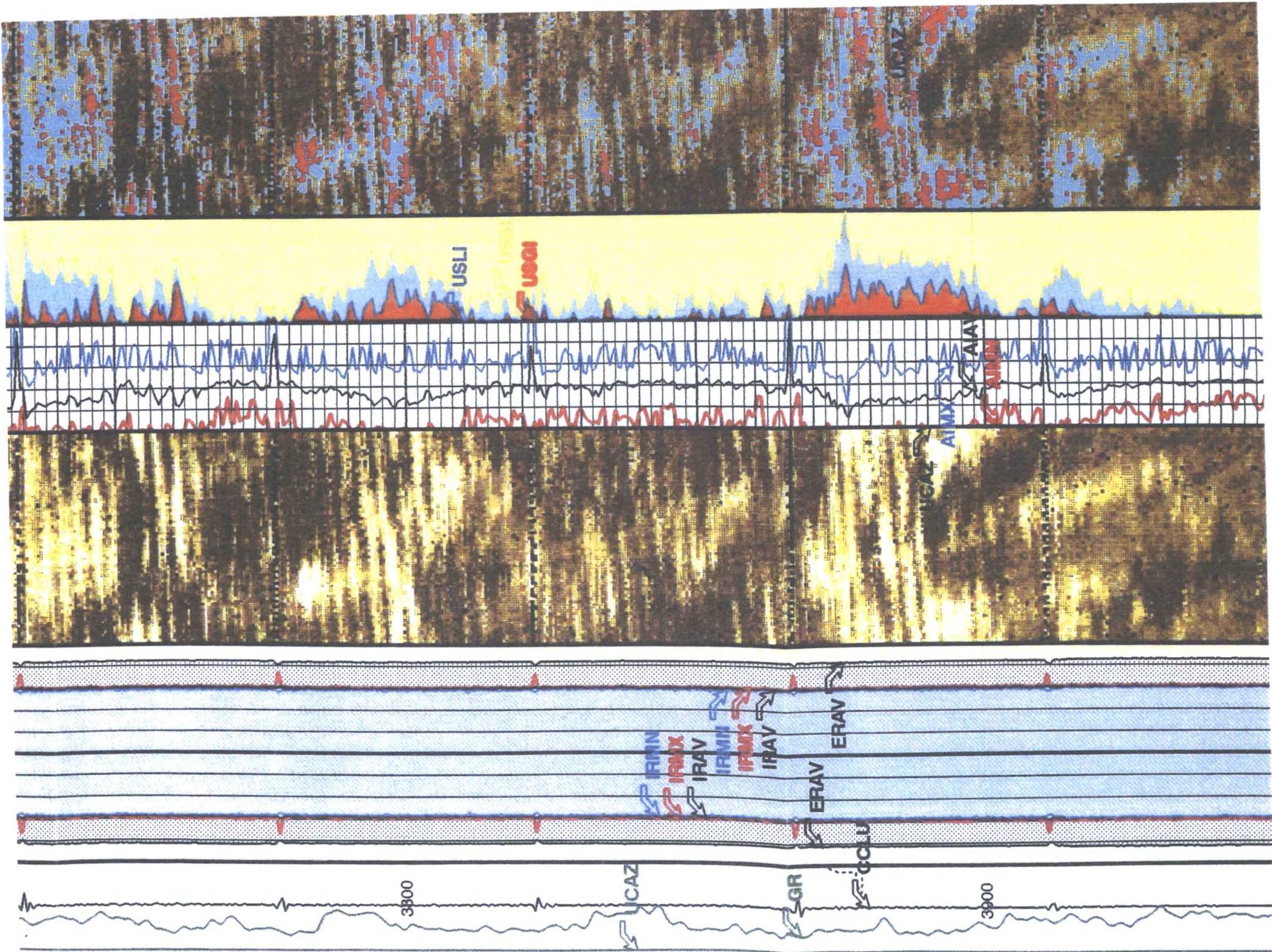
BEFORE THE OIL CONVERSION
DIVISION
Santa Fe, New Mexico
Exhibit No. 10
Submitted by: DEVON
Hearing Date: January 7, 2016











USLJ

USOJ

ANIX

ANIX

IRMIN

IRMX

IRAV

IRMIN

IRMX

IRAV

ERAV

ERAV

3800

CCAZ

GR

CCLU

3900

Production Data	
Oil Rate	4 bbl/d
Water Rate	68 bbl/d
Gas Rate	0.1 mcfpd
Decline Rate	10 %

Expenses	
Expense	0 \$
Opex fixed	\$1,000.00 \$/mo
SWD -variable	\$2.25 \$/bbl water

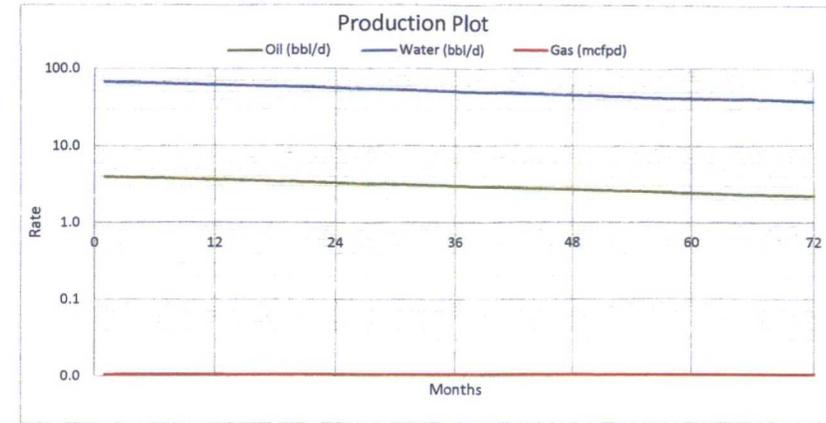
 Data Entry

Price Deck	
Oil Price	55.00 \$/bbl
Gas Price	2.25 \$/mcf

Not included:
-production taxes
-shrinkage

Ownership	
WI	100 %
NRI	87.5 %

Discount Rate	10 %
---------------	------



Prod Month	Oil (bbl/d)	Water (bbl/d)	Gas (mcfpd)	Gross Revenue	Net Revenue	OPEX fixed	OPEX variable	Undiscounted Cash Flow	Cumulative Undiscounted	Discounted
0								\$0	\$0	\$0
1	4.0	68.0	0.1	\$6,717	\$5,877	(\$1,000)	(\$4,667)	\$211	\$211	\$209
2	4.0	67.4	0.1	\$6,661	\$5,828	(\$1,000)	(\$4,628)	\$201	\$411	\$405
3	3.9	66.9	0.1	\$6,606	\$5,780	(\$1,000)	(\$4,589)	\$191	\$602	\$588
4	3.9	66.3	0.1	\$6,551	\$5,732	(\$1,000)	(\$4,551)	\$181	\$783	\$759
5	3.9	65.8	0.1	\$6,497	\$5,685	(\$1,000)	(\$4,514)	\$171	\$954	\$917
6	3.8	65.2	0.1	\$6,443	\$5,637	(\$1,000)	(\$4,476)	\$161	\$1,115	\$1,064
7	3.8	64.7	0.1	\$6,389	\$5,591	(\$1,000)	(\$4,439)	\$152	\$1,267	\$1,199
8	3.8	64.1	0.1	\$6,336	\$5,544	(\$1,000)	(\$4,402)	\$142	\$1,409	\$1,323
9	3.7	63.6	0.1	\$6,284	\$5,498	(\$1,000)	(\$4,366)	\$133	\$1,542	\$1,436
10	3.7	63.1	0.1	\$6,232	\$5,453	(\$1,000)	(\$4,329)	\$123	\$1,665	\$1,538
11	3.7	62.6	0.1	\$6,180	\$5,407	(\$1,000)	(\$4,293)	\$114	\$1,779	\$1,630
12	3.6	62.0	0.1	\$6,129	\$5,362	(\$1,000)	(\$4,258)	\$105	\$1,884	\$1,713
13	3.6	61.5	0.1	\$6,078	\$5,318	(\$1,000)	(\$4,222)	\$96	\$1,979	\$1,785
14	3.6	61.0	0.1	\$6,027	\$5,274	(\$1,000)	(\$4,187)	\$86	\$2,066	\$1,848
15	3.6	60.5	0.1	\$5,977	\$5,230	(\$1,000)	(\$4,153)	\$77	\$2,143	\$1,903
16	3.5	60.0	0.1	\$5,928	\$5,187	(\$1,000)	(\$4,118)	\$68	\$2,212	\$1,948
17	3.5	59.5	0.1	\$5,878	\$5,144	(\$1,000)	(\$4,084)	\$60	\$2,271	\$1,985
18	3.5	59.0	0.1	\$5,830	\$5,101	(\$1,000)	(\$4,050)	\$51	\$2,322	\$2,013
19	3.4	58.5	0.1	\$5,781	\$5,059	(\$1,000)	(\$4,016)	\$42	\$2,364	\$2,033
20	3.4	58.0	0.1	\$5,733	\$5,017	(\$1,000)	(\$3,983)	\$33	\$2,398	\$2,046
21	3.4	57.6	0.1	\$5,686	\$4,975	(\$1,000)	(\$3,950)	\$25	\$2,423	\$2,051
22	3.4	57.1	0.1	\$5,639	\$4,934	(\$1,000)	(\$3,917)	\$16	\$2,439	\$2,048
23	3.3	56.6	0.1	\$5,592	\$4,893	(\$1,000)	(\$3,885)	\$8	\$2,447	\$2,038
24	3.3	56.1	0.1	\$5,545	\$4,852	(\$1,000)	(\$3,853)	(\$0)	\$2,447	\$2,022
25	3.3	55.7	0.1	\$5,499	\$4,812	(\$1,000)	(\$3,821)	(\$9)	\$2,438	\$1,999
26	3.2	55.2	0.1	\$5,454	\$4,772	(\$1,000)	(\$3,789)	(\$17)	\$2,421	\$1,969



BEFORE THE OIL CONVERSION
DIVISION
Santa Fe, New Mexico
Exhibit No. 11
Submitted by: DEVON
Hearing Date: January 7, 2016

SIGN-IN HELP

Wells Operator Data

OCD Permitting

Home Wells Well Details

30-015-05640 SHUGART A #009 [21748]

General Well Information

Operator: (162683) CIMAREX ENERGY CO. OF COLORADO
 Status: Plugged, Site Released
 Well Type: Injection Direction: Vertical
 Work Type: New Lease Type: Federal
 Surface Location: I-29-18S-31E 1850 FSL 990 FEL
 Lat/Long: 32.7157822,-103.8883144 NAD83
 GL Elevation: Sing/Mult Compl: Single
 Potash Waiver: False

Proposed Formation and/or Notes

P&A 11-12-12

Depths

Proposed: 0 Total Vertical Depth: 3820
 Measured Vertical Depth: 3820 Plugback Measured: 0

Formation Tops

Formation	Top	Producing
-----------	-----	-----------

Event Dates

Initial APD Approval: 01/01/1900
 Most Recent APD Approval: 05/01/1997 Current APD Expiration: 01/01/1902
 APD Cancellation:
 APD Extension Approval:
 Spud:
 Approved Temporary Abandonment: TA Expiration:
 Shut In Waiting For Pipeline:
 Plug and Abandoned Intent Received:
 Well Plugged: 11/12/2012 PNR Expiration:
 Site Release: Last MIT/BHT: 11/14/2011
 Last Inspection: 11/08/2012

History

Effective Date	Property	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
05/01/1997	[21748] SHUGART A	[162683] CIMAREX ENERGY CO. OF COLORADO	New	Injection	Active		11/12/2012
01/02/1996	[18717] SHUGART A	[26485] BURLINGTON RESOURCES OIL & GAS CO	New	Injection	Active		

Quick Links

- General Well Information
- History
- Comments
- Operator
- Pits
- Casing
- Well Completions
- Financial Assurance
- Compliance
- Complaints, Incidents and Spills
- Orders
- Production
- Transporters
- Points of Disposition

Associated Images

- Well Files
- Well Logs
- Administrative Orders

New Searches

- New Well Search

BEFORE THE OIL CONSERVATION DIVISION
 Santa Fe, New Mexico
 Exhibit No. 12
 Submitted by: DEVON
 Hearing Date: January 7, 2016

Effective Date	Property	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date	SIGN-IN	HELP
01/01/1900	[14808] SHUGART A	[28478] SOUTHLAND ROYALTY CO	New	Injection	Active			Wells	Operator Data

Comments

Operator

Company: [162683] CIMAREX ENERGY CO. OF COLORADO
 Address:
 Country: U.S.A.
 Main Phone: 918-295-1783

Central Contact Person

Name: Terri Statham Title: Manager Regulatory Compliance
 Phone: 918-295-1783 Fax: 432-571-7832
 Cell: 918-833-9702
 E-Mail Address: Tstatham@cimarex.com

Hobbs Contacts

Name: Mark Martino Title:
 Phone: 432-571-7819 Fax: 432-571-7832
 Cell: 432-208-3141
 E-Mail Address: mmartino@cimarex.com

Artesia Contacts

Name: Mark Cummings Title:
 Phone: 432-571-7816 Fax: 432-571-7832
 Cell: 958-744-0137
 E-Mail Address: mcummings@cimarex.com

Pits

No Pits Found

Casing

String/Hole Type	Boreholes, Strings and Equipment Specifications					Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
	Taper	Date Set	Diameter	Top	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
	1	11/05/2012	0.000	0	825		0	0.0	0	0			0	No
	1	11/05/2012	0.000	0	1848		0	0.0	0	0			0	No
	1	11/05/2012	0.000	0	1971		0	0.0	0	0			0	No
	1	11/04/2012	0.000	0	2050		0	0.0	0	0			0	No

String/Hole Type	Taper	Date Set	Boreholes, Strings and Equipment Specifications			Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		Operator Data Test (Y/N)
			Diameter	Top	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	
Cast Iron Bridge Plug	1	11/03/2012	0.000	0	2500		0	0.0	0	0		0	No	
	1	11/06/2012	0.000	3	100		0	0.0	0	0		0	No	
	1	11/06/2012	0.000	498	616		0	0.0	0	0		0	No	

Well Completions

[56439] SHUGART;YATES-7RS-QU-GRAYBURG

Status: Zone Permanently Plugged Last Produced: 06/01/2011
 Bottomhole Location: I-29-18S-31E 1650 FSL 990 FEL
 Lat/Long:
 Acreage:
 DHC: No Consolidation Code:
 Test Production Method:
 Oil Volume: 0.0 bbls
 Gas Volume: 0.0 mcf
 Water Volume: 0.0 bbls

Perforations

Date	Top Measured Depth (Where Completion Enters Formation)	Bottom Measured Depth (End of Lateral)
------	---	---

Notes

Event Dates

Initial Effective/Approval: 01/01/1900
 Most Recent Approval: 11/12/2012
 Confidential Requested On:
 Test Allowable Approval:
 Production Test:
 TD Reached:
 Deviation Report Received: No
 Directional Survey Received: No
 First Oil Production: 09/01/1991
 Ready to Produce: 04/01/1970
 Plug Back:
 Authorization Revoked Start:
 TA Expiration:
 Confidential Until:
 Test Allowable End:
 DHC:
 Rig Released:
 Logs Received: No
 Closure Pit Plat Received:
 First Gas Production: 09/01/1991
 Completion Report Received:
 Revoked Until:

Well Completion History

Effective Date	Property	Operator	Completion Status	TA Expiration Date
11/12/2012	[21748] SHUGART A	[162683] CIMAREX ENERGY CO. OF COLORADO	Zone Permanently Plugged	
05/01/1997	[21748] SHUGART A	[162683] CIMAREX ENERGY CO. OF COLORADO	Active	

Effective Date	Property	Operator	Completion Status	TA Expiration Date	SIGN-IN	HELP
01/02/1996	[18717] SHUGART A	[26485] BURLINGTON RESOURCES OIL & GAS CO	Active		Wells	Operator Data
01/01/1990	[14808] SHUGART A	[26478] SOUTHLAND ROYALTY CO	Active			
01/01/1900	[10397] SHUGART A	[21281] SOUTHLAND ROYALTY CO	Active			

Financial Assurance

Bond Id	Bond Type	Amount	Issuer	Cash/Surety	Issuer Bond Number	Bond Cancellation Date
1422	Blanket	125000	RLI INSURANCE COMPANY	Surety	RLB0005910	
1992	Blanket	205000	RLI INSURANCE COMPANY	Surety	RLB0003907	10/13/2005

Requests to release bonds must be submitted in writing. You may send an e-mail to Denise.Gallejos@state.nm.us or fax a letter to (505) 478-3453.

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports ([Inactive Well Report](#), [Financial Assurance Report](#)).

Also note that some compliance issues are addressed at the operator level so not listed under each well.

REI0722045060 Date of Violations: 08/08/2007 Violations: Monitoring/Reporting

Date of Violation: 08/08/2007

Compliance Required:

Resolved: 08/22/2007

Notes

no company Representative to witness MIT test

Notifications

Notification	Notification Date	Enforcement
Letter of Violation (Number in Comments)	08/08/2007	

Corrective Actions

Corrective Action	Date
Compliance Resolved	08/22/2007

Complaints, Incidents and Spills

No Incidents Found

Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application.

Orders

SIGN-IN HELP

Waterflood Expansion WFX-332-0

Applicant: Unknown

Wells Operator Data

Reviewer:

Contact:

BLM Office:

Approved By: BLM

Issuing Office: Santa Fe

Processing Dates

Received:

Suspended:

Ordered: 01/29/1970

Expiration:

Cancelled:

Comments

Notes

Hearing Order 3779 R-3431-0

Primary Pool: SHUGART-YATES-SEVEN RIVERS-QUEEN-GB

Examiner: Nutter

Applicant: SHENANDOAH OIL CORPORATION

Approved: Yes

Nomenclature:

Denied:

Dismissed:

Comments: SHENANDOAH SHUGART

Contested:

WATERFLOOD PROJECT

Order Pools

Pool	Gas Percent	Oil Percent
[999999] Unknown	0	0

Injection Orders

Formation	Injection			Pressure				Comments
	Top	Bottom	Packer Depth	Tubing Size	Gradient	Injection Limit	CO2 Limit	
2492	3490	0	0	0	0	0	0	
3260	3294	0	0	0	0	0	0	
3280	3774	0	0	0	0	0	0	
3401	3482	0	0	0	0	0	0	
3404	3764	0	0	0	0	0	0	
3739	3756	0	0	0	0	0	0	

Production / Injection

Earliest Production in OCD Records: 12/1992 Last 8/2011 [Show All Production](#) [Export to Excel](#)

Time Frame	Production				Injection				
	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Days P/I	Water (BBLs)	Co2 (MCF)	Gas (MCF)	Other	Pressure
1992 Cumulative	0	0	0	0	3229233	0	0	0	N/A
1993	0	0	0	0	133210	0	0	0	N/A
1994	0	0	0	365	77485	0	0	0	N/A

Time Frame	Production				Injection				Pressure	Wells	Operator Data
	Oil (BBLS)	Gas (MCF)	Water (BBLS)	Days P/I	Water (BBLS)	Co2 (MCF)	Gas (MCF)	Other			
1995	0	0	0	365	99394	0	0	0	N/A		
1996	0	0	0	366	86856	0	0	0	N/A		
1997	0	0	0	120	67633	0	0	0	N/A		
1998	0	0	0	0	58945	0	0	0	N/A		
1999	0	0	0	0	2865	0	0	0	N/A		
2000	0	0	5225	31	42095	0	0	0	N/A		
2001	0	0	0	0	26400	0	0	0	N/A		
2002	0	0	0	0	53620	0	0	0	N/A		
2003	0	0	0	0	662545	0	0	0	N/A		
2004	0	0	0	0	64750	0	0	0	N/A		
2005	0	0	0	0	52240	0	0	0	N/A		
2006	0	0	0	334	44559	0	0	0	N/A		
2007	0	0	0	365	51660	0	0	0	N/A		
2008	0	0	0	305	46251	0	0	0	N/A		
2009	0	0	0	0	18230	0	0	0	N/A		
2010	0	0	0	0	19830	0	0	0	N/A		
2011	0	0	0	0	10767	0	0	0	N/A		
2012	0	0	0	0	0	0	0	0	N/A		
Grand Total:	0	0	5225	2251	4848568	0	0	0	N/A		

Transporters

Transporter	Product	Most Recent for Property
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Points of Disposition

ID	Type	Description	Pool(s)
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