

ABOVE THIS LINE FOR DIVISION USE ONLY

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

- [1] TYPE OF APPLICATION - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR
- [D] Other: Specify _____

- SWD 1584
- Melbourne Oil Co
14744
- well SWD #1
- Layer 22638
2015 08 27 P 3:03
RECEIVED OGD

- [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

Pool
- SWD 12007 am
96107

[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.

James Bruce
 Print or Type Name

James Bruce
 Signature

For my Application
 Title

James Bruce
 Date

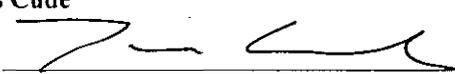
jamesbruce@sol.com
 e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance Disposal _____ Storage
Application qualifies for administrative approval? Yes _____ No
- II. OPERATOR: **Mewbourne Oil Company**
ADDRESS: **500 W. Texas Suite 1020
Midland, TX 79701**
CONTACT PARTY: **Travis Cude** PHONE: **932-682-3715**
- 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 No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
- Proposed average and maximum daily rate and volume of fluids to be injected;
 - Whether the system is open or closed;
 - Proposed average and maximum injection pressure;
 - Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 - 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: **Travis Cude**

TITLE: **Reservoir Engineer**

SIGNATURE: 

DATE: 2/5/15

E-MAIL ADDRESS: **tcude@mewbourne.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.

Layla 27 SWD #1 C-108
Additional Details

- VI.** There are no wells penetrating the disposal formation within the area of review.
- VII.**
 - 1. Proposed average rate of 10,000 bwpd and maximum rate of 20,000 bwpd.
 - 2. Closed system.
 - 3. Proposed average injection pressure is unknown and the maximum injection pressure is approximately 2800 psi (0.2 psi/ft x 14,000 ft).
 - 4. Injection fluid will be formation water from the Mewbourne Oil Company operated Delaware, Bone Spring, and Wolfcamp wells in the area. Attached is a water analysis from the Layla 35 MD Fee Com 1H(Delaware: 35-23S-28E), Layla 35 OB 1H (Bone Spring: 35-23S-28E), and the Layla 35 MD Fee 2H(Wolfcamp: 35-23S-28E).
 - 5. We will be injecting into the Devonian formation. Devonian formation water is known to be compatible with the formation water of the Delaware, Bone Spring, and Wolfcamp; however, water analysis for the Devonian was not available in the area.
- VIII.**
 - 1. The proposed injection interval is within the Devonian formation which is a porous dolomitic limestone from 14000' to 15,000'.
 - 2. The underground fresh water aquifers (unnamed) are present at shallow depths <500'. There are no known fresh water intervals underlying the injecting formation.
- IX.** The proposed stimulation is an open-hole acid treatment of 20000 gallons of 15% HCL.
- IX.** Well logs are currently on file with the Division, and the appropriate log data will be filed upon re-entry and deepening of the well.
- X.** There are currently seven water wells on file with the State Engineers Office in the area of interest. Four wells were filed with log information, and all four wells were drilled to depths shallower than 200 feet. Mewbourne Oil Company attempted to find and or make contact with the owners of these wells in order to obtain samples; however, MOC was unable to find an owner of a well that was still functional or in use.
- XI.** Mewbourne Oil Company has examined geologic and engineering data and has found that there is no evidence of faulting between the proposed disposal zone and any underground sources of drinking water.
- XII.** See attached Proof of Notice

INJECTION WELL DATA SHEET

OPERATOR: **Mewbourne Oil Company**WELL NAME & NUMBER: **Layla 27 SWD #1** (Originally: Pardue Farms 27 #1) API 30-015-22638

WELL LOCATION:	1980' FNL & 990' FEL	H	27	23S	28E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC (See Attached)WELL CONSTRUCTION DATASurface CasingHole Size: **26"** Casing Size: **20" @ 403'**Cement with: **750 sx** Top of Cement: **Surface**
(**25 sx circulated**)Intermediate CasingHole Size: **17"** Casing Size: **13 3/8" @ 3015'**Cement with: **4000 sx** Top of Cement: **490'**
(**Temp Survey**)Intermediate CasingHole Size: **12 1/4"** Casing Size: **9 5/8" @ 10375'**1st Stg Cement with : **1300 sx** Top of Cement: **Surface****DVT @: 5812'**2nd Stg Cement with : **1755 sx**

Whipstock set @ 10,000'; Mill 8 3/4" window in 9 5/8" csg

Intermediate CasingHole Size: **8 3/4"** Casing Size: **7" @ 14000'**

External Csg Pkr @ 13995'

Top of Cement: **Surface****DVT @: 13975'**1st Stg Cement with : **500 sx****DVT @: 10500'**2nd Stg Cement with : **1500 sx****TD @ 15000'**Injection Interval

Open Hole Completion from 14000'-15000'

INJECTION WELL DATA SHEET

Tubing Size: **3 1/2"9.3# L80**

Lining Material: **TK99 IPC**

Type of Packer: **Arrowset 1X (nickel plated)**

Packer Setting Depth: **+/- 13,950**

Other Type of Tubing/Casing Seal (if applicable): **Whipstock @10,000', Ext Csg Pkr @ 13995'**

Additional Data

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

If no, for what purpose was the well originally drilled? **Morrow Test**

2. Name of the Injection Formation: **Devonian, Open Hole Completion**

3. Name of Field or Pool (if applicable): **SWD, Devonian**

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.

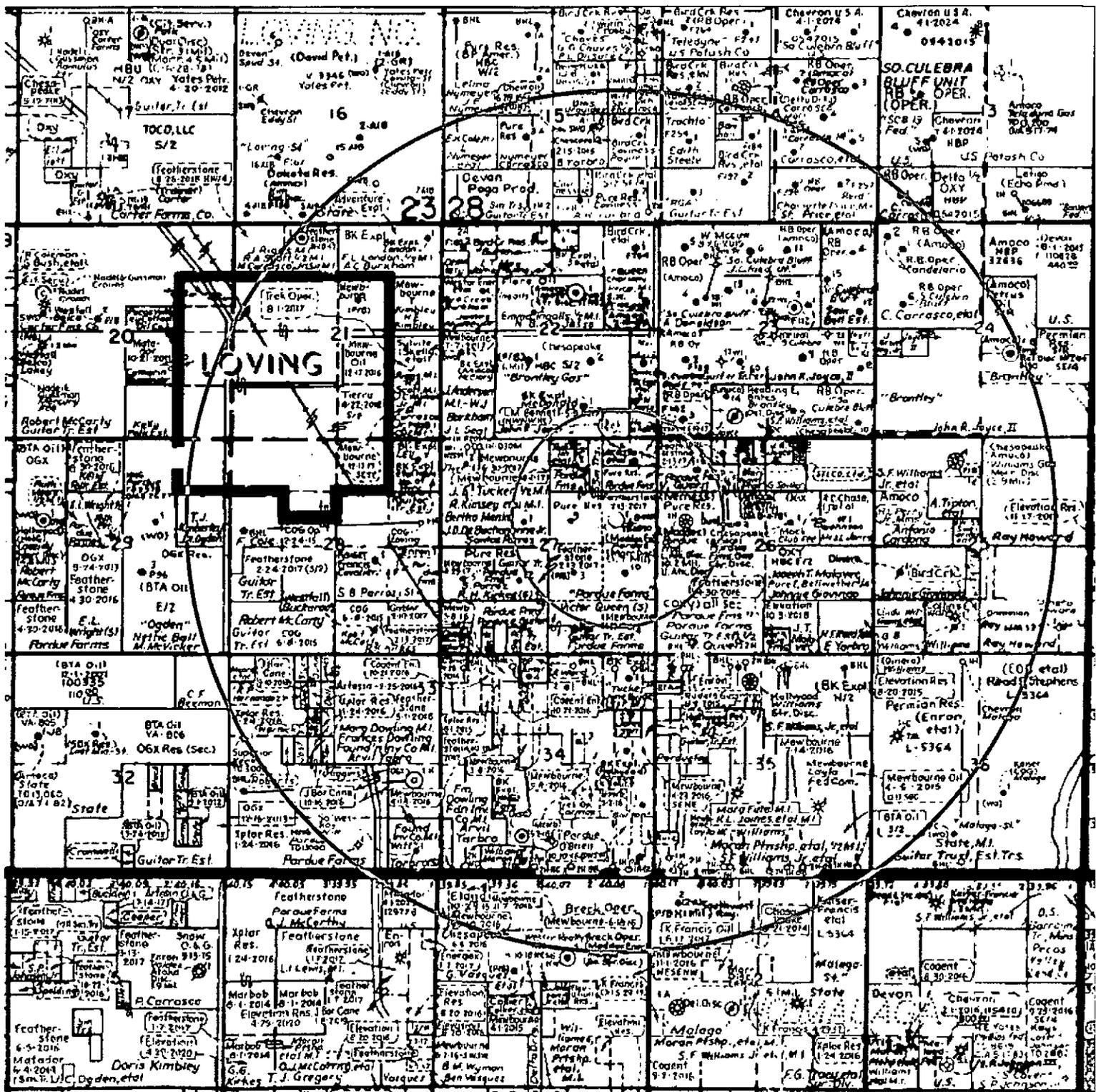
Perfs: Morrow f/ 12,480'-12,914'; Atoka f/ 11,408-11475', 11664'-11,668' (squeezed); Bone Spring f/ 6274'-7036' (squeezed w/ 450 sx); Brushy Canyon f/ 6058'-6255'.

Plugs: CIBP 12840', CIBP 12400', CIBP 11600', CIBP 11370', cmt plug (15 sx) 11308'-11343', cmt plug (20 sx) 10042'-10142', cmt plug(16 sx) 6964'-7014', cmt plug 6265', CIBP 6,010', cmt plug (40 sx) 5756'-5883', cmt plug (45 sx) 2941'-3083', cmt plug (40 sx) 2548'-2674', cmt plug (40 sx) 376'-503', cmt plug (10 sx) surface to 30'.

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

Overlying producing zone – **Morrow, 12480'-12661'**

Underlying producing zone – **N/A**



LOVING

SO. CULEBRA BLUFF UNIT
RB OPER.
(OPER.)

Robert McCarty
Guitar Tr. Est.

Breck Oer
(Newbourne et al)

Map containing numerous text labels for land parcels, including owner names (e.g., "John R. Joyce, II", "John R. Williams, Jr.", "Robert McCarty"), acreage (e.g., "16", "23", "28", "32", "35"), and company names (e.g., "TOCO, LLC", "Featherstone").

Mewbourne Oil Company

Well Name: Pardue Farms 27 #1
Spud: 7/30/1978

Last Updated by: T Cude on 11/24/2014

26" x 20" 94# K-55 BTC
Set @ 403'
Cmt w/750 sx, circ 25 sx to surface
TOC 490'

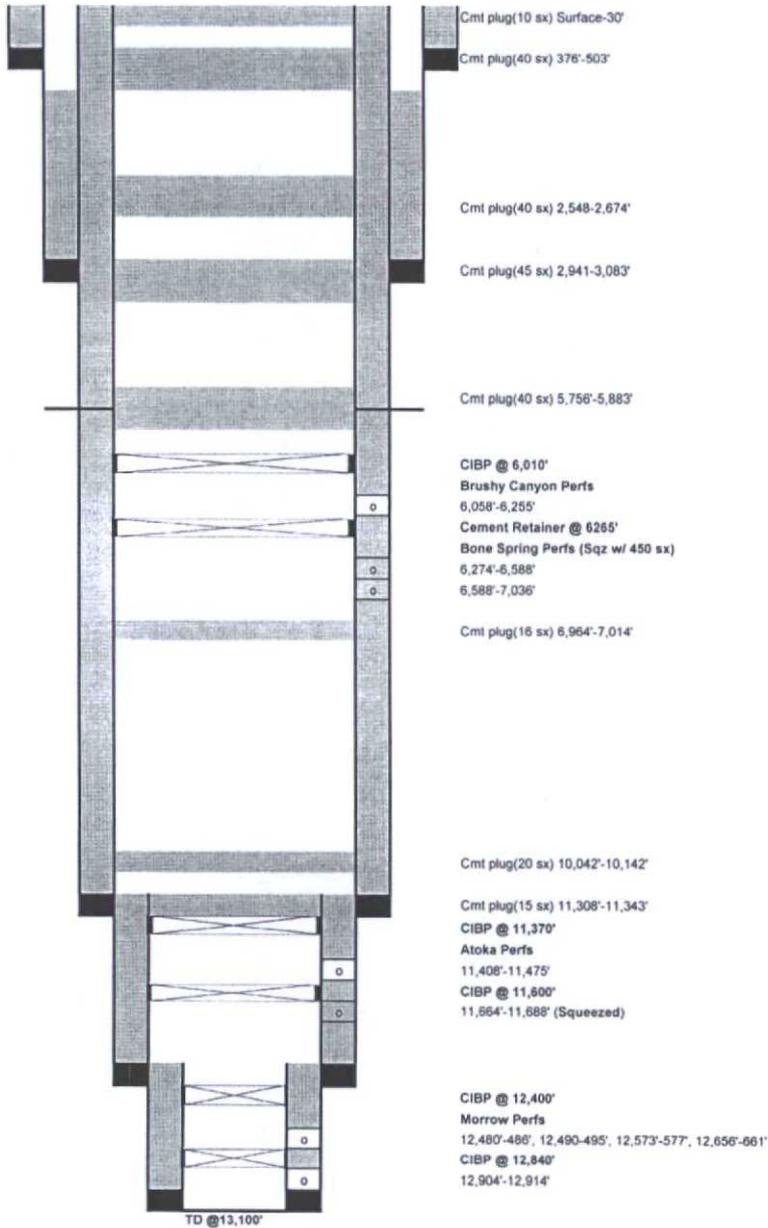
17" x 13 3/8" 61# K-55 STC
Set @ 3015'
Cmt w/4000 sx, TOC 490' Temp Survey

DVT @ 5812'
Cmt 2nd stg w/1755 sx, circ 10 sx

12 1/4" x 9 5/8" 47# & 43.5 S-95 LTC
Set @ 10,375'
Cmt 1st stg w/1300 sx, circ 25 sx

8 1/2" x 7" 26# S-95 LTC Liner
Set from 10,086'-12,275'
Cmt w/500 sx

6 1/4" x 4 1/2" 13.5# N-80 LTC Liner
Set from 12,002'-13,100'
Cmt w/130 sx



Mewbourne Oil Company

Well Name: Pardue Farms 27 #1
Spud: 7/30/1978

Last Updated by: T Cude on 11/24/2014

25" x 20" 94# K-55 BTC
Set @ 403'
Cmt w/750 sx, circ 25 sx to surface
TOC 490'

17" x 13 3/8" 61# K-55 STC
Set @ 3015'
Cmt w/4000 sx, TOC 490' Temp Survey

DVT @ 5812'
Cmt 2nd stg w/1755 sx, circ 10 sx

Brushy Canyon Perfs (Sqz)
6,058'-6,255'

Bone Spring Perfs (Sqz w/ 450 sx)
6,274'-6,588'
6,588'-7,036'

*Du010250w
Pu(2) 13975*

Mill 8 3/4" window in 9 5/8" csg
Whipstock set @ 10,000'

12 1/4" x 9 5/8" 47# & 43.5 S-95 LTC
Set @ 10,375'
Cmt 1st stg w/1300 sx, circ 25 sx
DVT @ 10500'

CIBP @ 11,000'
Cmt plug(15 sx) 11,306'-11,343'
CIBP @ 11,370'
Atoka Perfs
11,406'-11,475'
CIBP @ 11,600'
11,664'-11,688' (Squeezed)

8 1/2" x 7" 26# S-95 LTC Liner
Set from 10,086'-12,275'
Cmt w/500 sx

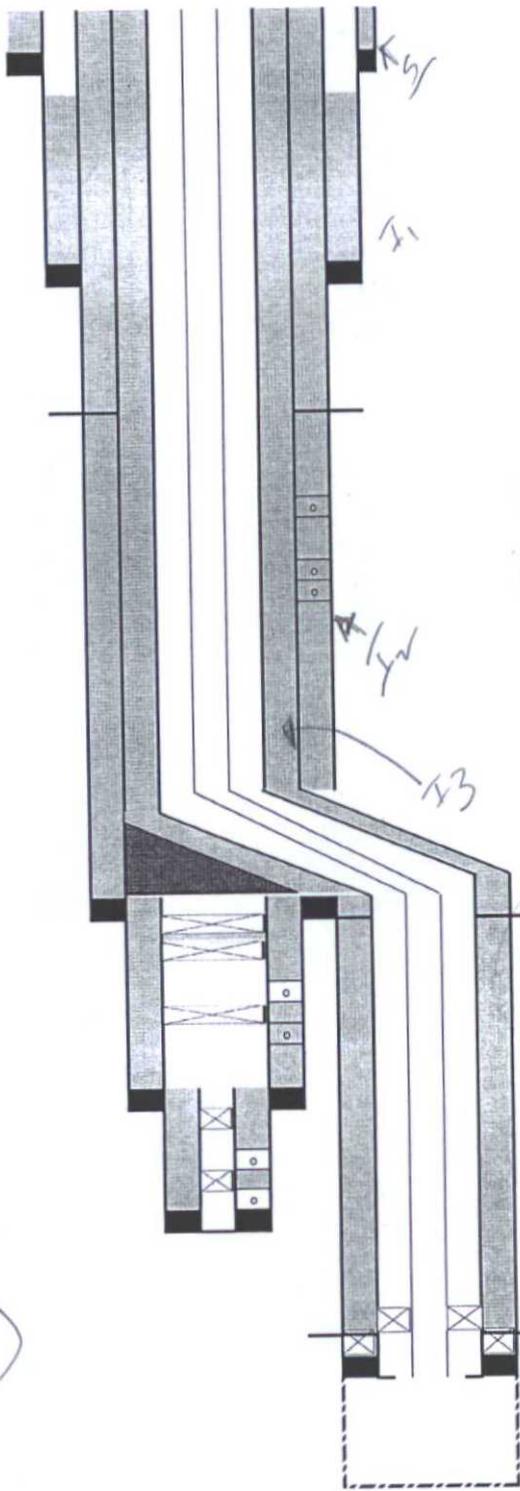
CIBP @ 12,400'
Morrow Perfs
12,480'-486', 12,490-495', 12,573'-577', 12,656'-661'
CIBP @ 12,840'
12,904'-12,914'

6 1/4" x 4 1/2" 13.5# N-80 LTC Liner
Set from 12,002'-13,100'
Cmt w/130 sx

Injection String
3 1/2" 9.3# L80 tbg IPC w/TK99
Pkr set @ 13950'
External Csg Pkr Set @ 13995'

DVT @ 13975'
8 3/4" x 7" 26# HCP-110 LTC
Set @ 14000'
Cmt w/

8 3/4" Open Hole
TD @ 15,000'



MEWBOURNE OIL COMPANY
P.O. BOX 7698
TYLER, TEXAS 75711

Delaware

Lease Layla "35" MD Well No 1H Location 360' ESL & 360' FWL

County Eddy State NM Section 35 Township 23S Range 28E

Section _____ Block _____ Survey _____ Page 1

API No. 30-015-40210

DATE	DAILY REPORTS
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AUG 1 2013

Water analysis from 08/01/13: SG @ 1.200, Temp 70°, pH 5.85, Na 91490, Ca 14000, Mg 2400, Fe 20, CL 172000, SO4 250, HCO3 49 (all in Mg/L).

MEWBOURNE OIL COMPANY
P. O. BOX 7698
TYLER, TEXAS 75711

Bone Springs

Lease Layla "35" OB Well No 1H Location 150' FSL & 1980' FEL
County Eddy ST NM Section 35 TwnShp 23S Rng 28E
Section _____ Blk _____ Survey _____
Filename _____ Page 1

API No. 30-015-40968

DATE	DAILY REPORTS
AUG 1 2013	Water analysis from 08/01/13: SG @ 1.120, Temp 70°, pH 6.48, Na 49502, Ca 5200, Mg 2400, Fe 10, CL 92000, SO4 250, HCO3 73 (all in Mg/L).

MEWBOURNE OIL COMPANY
P. O. BOX 7698
TYLER, TEXAS 75711

Wolfcamp

Lease Layla 35 MD Fee Well No #2H Location 150' FSL & 660' FWL
County Eddy ST NM Section 35 TwnShp 23S Rng 28E
Section _____ Blk _____ Survey _____
Filename _____ Page 1

API #30-015-41730

DATE	DAILY REPORTS
MAY 21 2014	Water analysis from 5/21/14: SG @ 1.075, Temp 70°, pH 6.77, Na 30000, Ca 7200, Mg 960, Fe 0.4, CL 62000, SO4 350, HCO3 166 (all in Mg/L).

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

(432) 682-3715
FAX (432) 685-4170

February 4, 2015

Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Attn: Mr. Phillip Goetze

Re: Layla 27 SWD #1

Mr. Goetze,

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

Should you have any questions, please email me at tcude@mewbourne.com or call me at (432) 682-3715.

Sincerely yours,

MEWBOURNE OIL COMPANY



Travis Cude
Reservoir Engineer

Notified Persons

Surface Owner

Dorothy W. Queen, Trustee of the
Dorothy W. Queen Revocable Trust
763 Orchard Road
Whitesboro, Texas 76273

Offset Operators/Working Interest Owners

E/2 and SW/4 of Section 27, T23S, R28E and
W/2 of Section 26, T23S, R28E and
S/2 of Section 22, T23S, R28E

Chevron Midcontinent, LP - Operator
Attn: Dane Maxwell
P.O. Box 2100
Houston, Texas 77252-2100

NW/4 of Section 27, T23S, R28E

Roy E. Kimsey, Jr. - Operator
505 N. Big Spring, Suite 502
Midland, Texas 79701

SW/4 of Section 23, T23S, R28E

Vanguard Permian, LLC - Operator
5847 San Felipe, Suite 3000
Houston, Texas 77057

S/2 of Section 22, T23S, R28E

BK Exploration Corp. - Operator
Attn: Brad D. Burks
10159 E. 11th Street, Suite #401
Tulsa, Oklahoma 74128

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

August 24, 2015

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval of a salt water disposal well in the West Layla 27 SWD Well No. 1, located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 27, Township 23 South, Range 28 East, N.M.P.M., Eddy County, New Mexico. A copy of the application is enclosed. If you object to the application, you must notify the Division in writing within 15 days of receipt of this letter (the Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505). Failure to object will preclude you from contesting this matter at a later date.

Very truly yours,



James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT

A

Surface Owner

Dorothy W. Queen, Trustee of the
Dorothy W. Queen Revocable Trust
763 Orchard Road
Whitesboro, Texas 76273

Offset Operators/Working Interest Owners

E/2 and SW/4 of Section 27, T23S, R28E and
W/2 of Section 26, T23S, R28E and
S/2 of Section 22, T23S, R28E

Chevron Midcontinent, LP - Operator
Attn: Dane Maxwell
P.O. Box 2100
Houston, Texas 77252-2100

NW/4 of Section 27, T23S, R28E

Roy E. Kimsey, Jr. - Operator
505 N. Big Spring, Suite 502
Midland, Texas 79701

SW/4 of Section 23, T23S, R28E

Vanguard Permian, LLC - Operator
5847 San Felipe, Suite 3000
Houston, Texas 77057

S/2 of Section 22, T23S, R28E

BK Exploration Corp. - Operator
Attn: Brad D. Burks
10159 E. 11th Street, Suite #401
Tulsa, Oklahoma 74128

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruce@aol.com

August 24, 2015

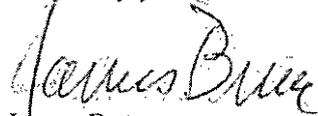
CERTIFIED MAIL – RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval of a salt water disposal well in the West Layla 27 SWD Well No. 1, located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 27, Township 23 South, Range 28 East, N.M.P.M., Eddy County, New Mexico. A copy of the application is enclosed. If you object to the application, you must notify the Division in writing within 15 days of receipt of this letter (the Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505). Failure to object will preclude you from contesting this matter at a later date.

Very truly yours,



James Bruce

Attorney for Mewbourne Oil Company



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub	Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00024	O			ED	3	22	23S	28E			586682	3572629*	242	48	194
C 00048		C		ED	3	3	1	23	23S	28E	587997	3573160	182	75	107
C 00048		C	C	ED	3	3	1	23	23S	28E	587997	3573160	182	75	107
C 00094		C		ED	3	4	2	22	23S	28E	587588	3573151*	100	60	40
C 00094		C	C	ED	3	4	2	22	23S	28E	587588	3573151*	100	60	40
C 00094 A		C	C	ED	3	4	2	22	23S	28E	587588	3573151*	166	40	126
C 00094 AS		C	C	ED	1	3	2	22	23S	28E	587183	3573346*	165	40	125
C 00108		C		ED	1	1	4	29	23S	28E	583974	3571285*	152	10	142
C 00154		C		ED	4	2	1	23	23S	28E	588595	3573566*	196	38	158
C 00154 CLW194067		O		ED	3	2	1	23	23S	28E	588395	3573566*	150	65	85
C 00327				ED	3	2	4	21	23S	28E	585974	3572728*	212		
C 00340		C		ED	1	1	27	23S	28E		586483	3572022*	117	18	99
C 00443		C		ED	4	2	4	22	23S	28E	587790	3572745*	171	160	11
C 00453		C		ED	2	2	4	22	23S	28E	587790	3572945*	65		
C 00519		C		ED	2	1	1	28	23S	28E	584970	3572100*	250		
C 00539		C		ED	3	3	3	21	23S	28E	584767	3572308*	28	6	22
C 00544		C		ED	3	3	1	21	23S	28E	584762	3573120*	27		
C 00577		C		ED	3	1	3	21	23S	28E	584764	3572714*	35	10	25
C 00578		C		ED	3	1	3	21	23S	28E	584764	3572714*	28	18	10
C 00641		C		ED	2	2	1	27	23S	28E	586986	3572126*	115	40	75
C 00643		C		ED	3	1	3	21	23S	28E	584764	3572714*	76	10	66
C 00650		C		ED	1	3	3	21	23S	28E	584767	3572508*	32	12	20
C 00716		C		ED				21	23S	28E	585471	3573012*	140	69	71
C 00869				ED	3	3	4	22	23S	28E	587188	3572335*	360		
C 00869 S-2		O		ED	3	3	23	23S	28E		588097	3572444*	150	58	92
C 01102		C		ED	1	2	23	23S	28E		588901	3573672*	100	12	88

*UTM location was derived from PLSS - see Help

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

(R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01108	C	ED		3	2	1	23	23S	28E	588395	3573566*	60	35	25
C 01253		ED		1	3	1	22	23S	28E	586375	3573338*	179	50	129
C 01336	C	ED		2	1	1	22	23S	28E	586572	3573744*	190	30	160
C 01472	C	ED		2	3	2	28	23S	28E	585730	3571652	162	10	152
C 01487		ED		3	4	1	22	23S	28E	586779	3573142*	150	38	112
C 01487 CLW201796	O	ED		3	2	22	23S	28E	587284	3573247*	90	30	60	
C 01648	C	ED		2	3	29	23S	28E	583667	3571184*	65	15	50	
C 01816	C	ED		1	3	1	23	23S	28E	587992	3573355*	200	40	160
C 01870	C	ED		4	3	22	23S	28E	586885	3572432*	105	48	57	
C 01872	C	ED		2	1	22	23S	28E	586878	3573649*	68	48	20	
C 01885	C	ED		2	2	21	23S	28E	586070	3573640*	104	35	69	
C 01938	C	ED		2	4	28	23S	28E	586085	3571205*	80	3	77	
C 02037	C	ED		2	3	29	23S	28E	583667	3571184*	260			
C 02796		ED		2	3	22	23S	28E	586882	3572838*	200			
C 02847		ED		2	1	4	22	23S	28E	587386	3572941*	80		
C 02848		ED		3	3	1	21	23S	28E	584762	3573120*	130		
C 02849		ED		2	1	4	22	23S	28E	587386	3572941*	60		
C 03432 POD1	C	ED		1	2	2	27	23S	28E	587527	3572162	115	75	40
C 03732 POD1	C	ED		1	3	3	27	23S	28E	586321	3570929	171	10	161

Average Depth to Water: 39 feet

Minimum Depth: 3 feet

Maximum Depth: 160 feet

Record Count: 45

PLSS Search:

Section(s): 21-23, 27-29 Township: 23S Range: 28E

*UTM location was derived from PLSS - see Help

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

EXHIBIT A

Surface Owner

Dorothy W. Queen, Trustee of the
Dorothy W. Queen Revocable Trust
763 Orchard Road
Whitesboro, Texas 76273

Offset Operators/Working Interest Owners

E/2 and SW/4 of Section 27, T23S, R28E and
W/2 of Section 26, T23S, R28E and
S/2 of Section 22, T23S, R28E

Chevron Midcontinent, L.P. - Operator
Attn: Dane Maxwell
P.O. Box 2100
Houston, Texas 77252-2100

NW/4 of Section 27, T23S, R28E

Roy E. Kimsey, Jr. - Operator
505 N. Big Spring, Suite 502
Midland, Texas 79701

SW/4 of Section 23, T23S, R28E

Vanguard Permian, LLC. - Operator
5847 San Felipe, Suite 3000
Houston, Texas 77057

S/2 of Section 22, T23S, R28E

BK Exploration Corp. - Operator
Attn: Brad D. Burks
10159 E. 11th Street, Suite #401
Tulsa, Oklahoma 74128

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. 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>Brad Burks</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Brad Burks</i></p> <p>C. Date of Delivery <i>8-28-15</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> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> BK Exploration Corp. - Operator Attn: Brad D. Burks 10159 E. 11th Street, Suite #401 Tulsa, Oklahoma 74128 </div> <p style="text-align: center; font-weight: bold;">9590 9403 0589 5183 8872 87</p>		<p>3. Service Type</p> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
<p>2. Article Number (Transfer from service label)</p> <p style="font-size: 1.2em; font-weight: bold;">7013 3020 0000 4612 6243</p>		<p style="text-align: center; font-size: 1.5em; font-weight: bold;">A1 - Lay</p> <p style="text-align: right;">Domestic Return Receipt</p>	
<p>PS Form 3811, April 2015 PSN 7530-02-000-9053</p>			

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Postage \$	Postmark Here
Certified Fee	
Return Receipt Fee (Encouragement Required)	
Restricted Delivery Fee (Encouragement Required)	
Total Postage & Fees \$	
<p>Sent To: <i>Citron Midcontinent, LP - Operator</i></p> <p>Street, Apt. No., or PO Box No.: <i>Attn: Dane Maxwell</i></p> City, State, ZIP+4: <i>P.O. Box 2100</i> <i>Houston, Texas 77252-2100</i>	
<p>PS Form 3800, August 2008 See Reverse for Instructions</p>	

7013 3020 0000 4612 3877

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Certified Fee	
Return Receipt Fee (Encouragement Required)	
Restricted Delivery Fee (Encouragement Required)	
Total Postage & Fees \$	
<p>Sent To: <i>BK Exploration Corp. - Operator</i></p> <p>Street, Apt. No., or PO Box No.: <i>Attn: Brad D. Burks</i></p> City, State, ZIP+4: <i>10159 E. 11th Street, Suite #401</i> <i>Tulsa, Oklahoma 74128</i>	
<p>PS Form 3800, August 2008 See Reverse for Instructions</p>	

7013 3020 0000 4612 2942

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. 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 type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) 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> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> Chevron Midcontinent, LP - Operator Attn: Dane Maxwell P.O. Box 2100 Houston, Texas 77252-2100 </div> <p style="text-align: center; font-weight: bold;">9590 9403 0589 5183 8872 49</p>		<p>3. Service Type</p> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
<p>2. Article Number (Transfer from service label)</p> <p style="font-size: 1.2em; font-weight: bold;">7013 3020 0000 4612 3877</p>		<p style="text-align: center; font-size: 1.5em; font-weight: bold;">M Lay</p> <p style="text-align: right;">Domestic Return Receipt</p>	
<p>PS Form 3811, April 2015 PSN 7530-02-000-9053</p>			

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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:

Roy E. Kinsey, Jr. - Operator
505 N. Big Spring, Suite 502
Midland, Texas 79701

9590 9403 0589 5183 8872 63

2. Article Number (Transfer from service label)

7013 3020 0000 4612 3860

PS Form 3811, April 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Connie Barnes* Agent Addressee

B. Received by (Printed Name)

Connie Barnes

C. Date of Delivery

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

3. Service Type

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

Domestic Return Receipt

M-Lay

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Certified Fee

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Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$

Postmark Here

Sent to

Vanguard Permian, LLC - Operator
5847 San Felipe, Suite 3000
Houston, Texas 77057

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

PS Form 3800, August 2009

See Reverse for Instructions

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Postage \$

Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$

Postmark Here

Sent to

Roy E. Kinsey, Jr. - Operator
505 N. Big Spring, Suite 502
Midland, Texas 79701

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

PS Form 3800, August 2009

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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:

Vanguard Permian, LLC - Operator
5847 San Felipe, Suite 3000
Houston, Texas 77057

9590 9403 0589 5183 8872 70

2. Article Number (Transfer from service label)

7013 3020 0000 4612 3853

PS Form 3811, April 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *A. W. W.* Agent Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

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

Red Mail Restricted Delivery
\$500

Domestic Return Receipt

M-Lay

7013 3020 0000 0200 4612 3860

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. ■ 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 <i>Dorothy W. Queen</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Dorothy W. Queen</i> C. Date of Delivery</p>
<p>1. Article Addressed to:</p> <p>Dorothy W. Queen, Trustee of the Dorothy W. Queen Revocable Trust 763 Orchard Road Whitesboro, Texas 76273</p> <p>9590 9403 0589 5183 8872 32</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>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Registered Mail <input type="checkbox"/> Registered Mail Restricted Delivery (over \$500)</p>
<p>2. Article Number (Transfer from service label) 7013 3020 0000 4612 3884</p>	<p>PS Form 3811, April 2015 PSN 7530-02-000-9053</p> <p><i>M-Lay</i> Domestic Return Receipt</p>

4992 2194 0000 020E ETO2

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For delivery information visit our website at www.usps.com											
<table border="1"> <tr> <td>Postage</td> <td>\$</td> </tr> <tr> <td>Certified Fee</td> <td></td> </tr> <tr> <td>Return Receipt Fee <small>(Endorsement Required)</small></td> <td></td> </tr> <tr> <td>Restricted Delivery Fee <small>(Endorsement Required)</small></td> <td></td> </tr> <tr> <td>Total Postage & Fees</td> <td>\$</td> </tr> </table>	Postage	\$	Certified Fee		Return Receipt Fee <small>(Endorsement Required)</small>		Restricted Delivery Fee <small>(Endorsement Required)</small>		Total Postage & Fees	\$	Postmark Here
Postage	\$										
Certified Fee											
Return Receipt Fee <small>(Endorsement Required)</small>											
Restricted Delivery Fee <small>(Endorsement Required)</small>											
Total Postage & Fees	\$										
<table border="1"> <tr> <td>Sent To</td> <td>Dorothy W. Queen, Trustee of the</td> </tr> <tr> <td>Street, Apt. No., or PO Box No.</td> <td>Dorothy W. Queen Revocable Trust</td> </tr> <tr> <td>City, State, ZIP+4</td> <td>763 Orchard Road Whitesboro, Texas 76273</td> </tr> </table>		Sent To	Dorothy W. Queen, Trustee of the	Street, Apt. No., or PO Box No.	Dorothy W. Queen Revocable Trust	City, State, ZIP+4	763 Orchard Road Whitesboro, Texas 76273				
Sent To	Dorothy W. Queen, Trustee of the										
Street, Apt. No., or PO Box No.	Dorothy W. Queen Revocable Trust										
City, State, ZIP+4	763 Orchard Road Whitesboro, Texas 76273										
PS Form 3800, August 2008 See Reverse for Instructions											

Affidavit of Publication

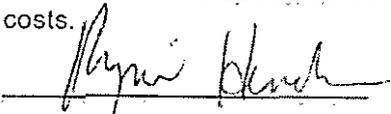
State of New Mexico,
County of Eddy, ss.

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

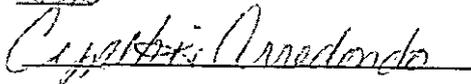
That she is the Publisher of the
Carlsbad Current-Argus, a
newspaper published daily at the
City of Carlsbad, in said county of
Eddy, state of New Mexico and of
general paid circulation in said
county; that the same is a duly
qualified newspaper under the laws
of the State wherein legal notices
and advertisements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

August 26 2015

That the cost of publication is **\$73.40**
and that payment thereof has been
made and will be assessed as court
costs.

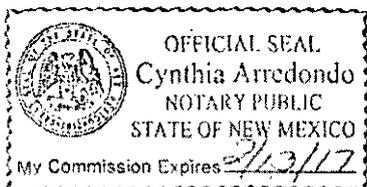


Subscribed and sworn to before me
this 4 day of September,
2015



My commission Expires
2/13/17

Notary Public



August 26, 2015
NOTICE
Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval to use the Layla 27 SWD Well No. 1 (previously the Pardue Farms 27 Well No. 1), located 1980 feet from the north line and 990 feet from the east line (the SE/4NE/4) of Section 27, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico, to dispose of produced water into the Devonian formation at depths of 14,000-15,000 feet subsurface. The expected maximum injection rate is 20,000 BWPD, and the maximum injection pressure is 2,800 psi. If you object to the application you must file a written objection or request for hearing with the Division within 15 days of the date this notice is published. The Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Failure to object will preclude you from contesting this matter at a later date. The name and address of the contact party for applicant is Clayton Pearson, Mewbourne Oil Company, Suite 1020, 500 West Texas, Midland, Texas 79701. (432) 682-3715. The well is located approximately 3-1/2 miles north of Malaga, New Mexico.

Mewbourne Oil Company

Last Updated by: T Cude on 11/24/2014

Well Name: Pardue Farms 27 #1
Spud: 7/30/1978

20" x 20" 94# K-55 BTC
Set @ 403'
Cmt w/750 sx, circ 25 sx to surface
TOC 490'

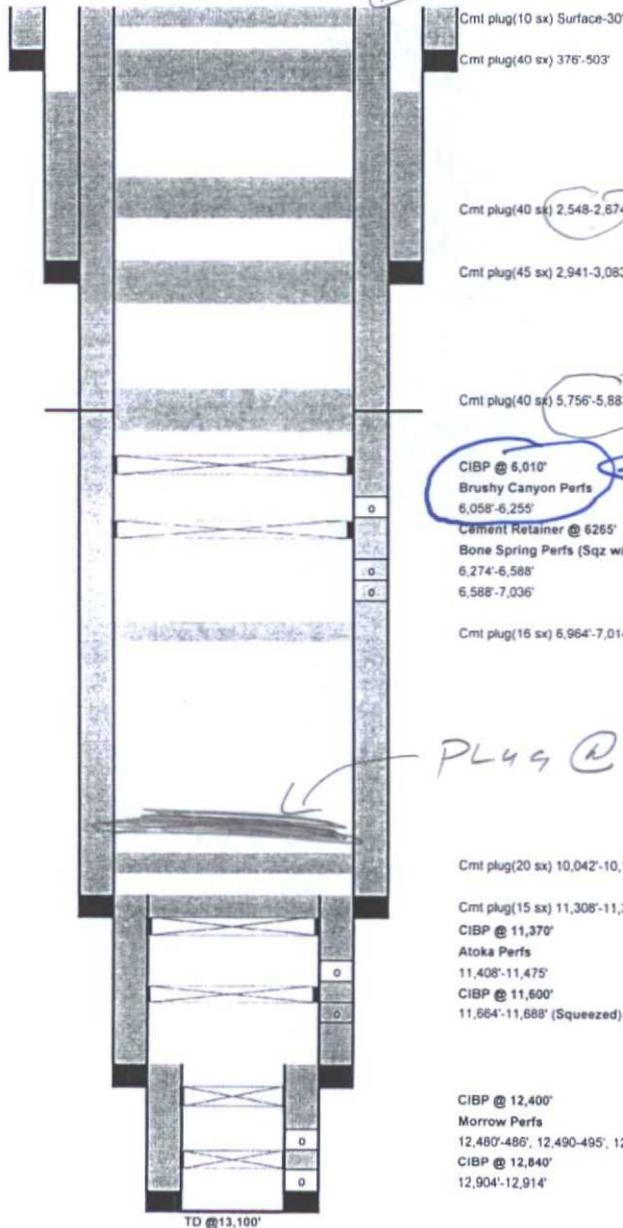
17" x 13 3/8" 61# K-55 STC
Set @ 3015'
Cmt w/4000 sx, TOC 490' Temp Survey

DVT @ 5812'
Cmt 2nd stg w/1755 sx, circ 10 sx

12 1/4" x 9 5/8" 47# & 43.5 S-95 LTC
Set @ 10,375'
Cmt 1st stg w/1300 sx, circ 25 sx

8 1/2" x 7" 26# S-95 LTC Liner
Set from 10,086'-12,275'
Cmt w/500 sx

6 1/4" x 4 1/2" 13.5# N-80 LTC Liner
Set from 12,002'-13,100'
Cmt w/130 sx



Cmt plug(10 sx) Surface-30'

Cmt plug(40 sx) 376'-503'

Cmt plug(40 sx) 2,548'-2,674'

Cmt plug(45 sx) 2,941'-3,083'

Cmt plug(40 sx) 5,756'-5,883'

CIBP @ 6,010'
Brushy Canyon Perfs
6,058'-6,255'
Cement Retainer @ 6265'
Bone Spring Perfs (Sqz w/ 450 sx)
6,274'-6,588'
6,588'-7,036'

Cmt plug(15 sx) 6,964'-7,014'

Cmt plug(20 sx) 10,042'-10,142'

Cmt plug(15 sx) 11,308'-11,343'

CIBP @ 11,370'

Atoka Perfs

11,408'-11,475'

CIBP @ 11,600'

11,664'-11,688' (Squeezed)

CIBP @ 12,400'

Morrow Perfs

12,480'-486', 12,490'-495', 12,573'-577', 12,656'-661'

CIBP @ 12,840'

12,904'-12,914'

TD @13,100'

① 9578

do not scan
my notes

Squeezed & tested
w/ milliw

PLUG @ 10,375'

McMillan, Michael, EMNRD

From: jamesbruc@aol.com
Sent: Monday, October 05, 2015 2:52 PM
To: McMillan, Michael, EMNRD
Subject: Re: Mewbourne Layla SWD Well No. 1

Mike:

Tops:

Lower Mississippian: 13450'
Woodford: 13850'

-----Original Message-----

From: McMillan, Michael, EMNRD, EMNRD <Michael.McMillan@state.nm.us>
To: jamesbruc <jamesbruc@aol.com>
Sent: Mon, Oct 5, 2015 10:22 am
Subject: RE: Mewbourne Layla SWD Well No. 1

Thanks

From: jamesbruc@aol.com [<mailto:jamesbruc@aol.com>]
Sent: Monday, October 05, 2015 10:16 AM
To: McMillan, Michael, EMNRD
Subject: Re: Mewbourne Layla SWD Well No. 1

Mike: Should have that today.

Jim

-----Original Message-----

From: McMillan, Michael, EMNRD, EMNRD <Michael.McMillan@state.nm.us>
To: Jim Bruce <jamesbruc@aol.com>
Sent: Mon, Sep 28, 2015 10:54 am
Subject: RE: Mewbourne Layla SWD Well No. 1

Can you tell me the projected depth of the Woodford and Lower Mssp?

From: McMillan, Michael, EMNRD
Sent: Monday, September 28, 2015 10:34 AM
To: Jim Bruce
Subject: RE: Mewbourne Layla SWD Well No. 1

I messed up-it is not the NMSLO-and I could not tell from your application who the mineral interest owner is.
Mike



ORDER TYPE: WFX / PMX / SWD Number: _____ Order Date: _____ Legacy Permits/Orders: _____

Well No. 1 Well Name(s): Lay 1 - SWD

API: 30-0 15-22638 Spud Date: TBD New or Old: Old - original now Proposed
1980 FNL (UIC Class II Primacy 03/07/1982)

Footages 950 FEL Lot _____ or Unit H Sec 27 Tsp 235 Rge 285 County ddy

General Location: 2 miles W of Louisa Pool: SWD, Devonian Pool No.: 96101
CARLSBAD 57m

BLM 100K Map: _____ Operator: McDouane Oil Co OGRID: 14744 Contact: Bruce, Attorney

COMPLIANCE RULE 5.9: Total Wells: 904 Inactive: 2 Fincl Assur: Y Compl. Order? NA IS 5.9 OK? Y Date: 9-28-15

WELL FILE REVIEWED Current Status: P&A

WELL DIAGRAMS: NEW: Proposed or RE-ENTER: Before Conv. After Conv. Logs in Imaging: C-N-D-L, DLL (original)

Planned Rehab Work to Well: Succeed & Test Delaware Perms b/w 8 5/8" mill.

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sp or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	<u>26" / 27"</u>	<u>403</u>	<u>TS</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod	<u>17" / 13"</u>	<u>3075</u>	<u>4000</u>	<u>490' / TS</u>
Planned ___ or Existing ___ Interm/Prod	<u>12 1/4" / 9 5/8"</u>	<u>10375</u>	<u>5812</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Prod/Liner	<u>8 1/4" / 7"</u>	<u>14000</u>	<u>13978</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Liner				
Planned ___ or Existing <input checked="" type="radio"/> PERFORM	<u>14,000 / 800</u>		<u>Inj Length 1000</u>	

Completion/Operation Details:

Drilled TD 13,100 PBDT _____
 NEW TD 15000 NEW PBDT _____
 NEW Open Hole or NEW Perfs
 Tubing Size 32 in. Inter Coated? Y
 Proposed Packer Depth 13150 ft
 Min. Packer Depth 13400 (100-ft limit)
 Proposed Max. Surface Press. 2800 psi
 Admin. Inj. Press. 2.80 (0.2 psi per ft)

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		<u>6 mgs</u>	<u>13400</u>
Confining Unit: Litho. Struc. Por.		<u>Wd</u>	<u>13850</u>
Proposed Inj Interval TOP:			
Proposed Inj Interval BOTTOM:			
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

AOR: Hydrologic and Geologic Information

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

FRESH WATER: Aquifer Quaternary Max Depth 160 HYDRO AFFIRM STATEMENT By Qualified Person

NMOSE Basin: CARLSBAD CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? _____ FW Analysis _____

Disposal Fluid: Formation Source(s) Delaware, Bonaparte Analysis? Y On Lease Operator Only or Commercial

Disposal Int: Inject Rate (Avg/Max BWPDP): 19/20,000 Protectable Waters? _____ Source: _____ System: Closed or Open

HC Potential: Producing Interval? N Formerly Producing? _____ Method: Logs DST/P&A/Other _____ 2-Mile Radius Pool Map

AOR Wells: 1/2-M Radius Map? Y Well List? _____ Total No. Wells Penetrating Interval: 0 Horizontals? _____

Penetrating Wells: No. Active Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____

NOTICE: Newspaper Date 8-26-2015 Mineral Owner WMSO Surface Owner Donohy & Green N. Date 9-01-2015

RULE 26.7(A): Identified Tracts? _____ Affected Persons: Chevron, BK, Roy Lindsay N. Date 8-3-2015

Order Conditions: Issues: CBL b/w 14000 & 15000 SURFACE

Add Order Cond: _____