

RECEIVED OGD

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



30-015-30828
 Derringer SWD #1
 (formerly Yates #18)
 Newbarre

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]

Email from
 BLM dated
 May 22, 2012
 [forwarded by
 J. Bruce]

- (1) TYPE OF APPLICATION - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR
- [D] Other: Specify _____
- (2) NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply
- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or.
- [F] Waivers are Attached

(3) SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

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

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

James Bruce _____ Attorney _____ 5/17/13
 Print or Type Name Signature Title Date
 jamesbruc@aol.com
 e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. OPERATOR: **Mewbourne Oil Company** **2013 MAY 20 P 2: 35**
ADDRESS: **500 W. Texas Suite 1020**
Midland, TX 79701
CONTACT PARTY: **Drew Robison** PHONE: **432-682-3715**

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:
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.

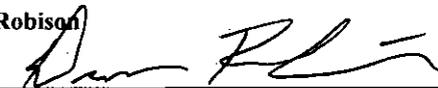
*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*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: **Drew Robison** TITLE: **Reservoir Engineer**
SIGNATURE:  DATE: **4/17/13**

E-MAIL ADDRESS: **drobison@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.

INJECTION WELL DATA SHEET

OPERATOR: Mewbourne Oil Company

WELL NAME & NUMBER: Derringer SWD #1 (Originally: Yates #18) API 30-015-30828

WELL LOCATION: 660' FSL & 1980' FWL N 18 20S 29E
 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC (See Attached)WELL CONSTRUCTION DATASurface Casing

Hole Size: 26"

Casing Size: 20" @ 375'

Cement with. 850 sx

Top of Cement: Surface
(1" 25sx to surface)Intermediate Casing

Hole Size: 17.5"

Casing Size: 13 3/8" @ 1245'

Cement with. 1450 sx (circ 431 sx)

Top of Cement: Surface (visual)

Intermediate Casing

Hole Size: 12 1/4"

Casing Size: 9 5/8" @ 3229'

Cement with. 1250 sx (circ 452 sx)

Top of Cement: Surface (Visual)

Production Casing

Hole Size: 8 3/4"

Casing Size: 7" to 12600

Cement with. 1700 sx (DV tool @ 9000')

Top of Cement: Surface

TD @ 13200

Injection Interval~~Perforations @~~ 12600-13200 open-hole

INJECTION WELL DATA SHEET

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

Lining Material: **TK99 IPC**

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

Packer Setting Depth: **+/-12570'**

Other Type of Tubing/Casing Seal (if applicable): **None**

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**

3. Name of Field or Pool (if applicable): **Wildcat 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.

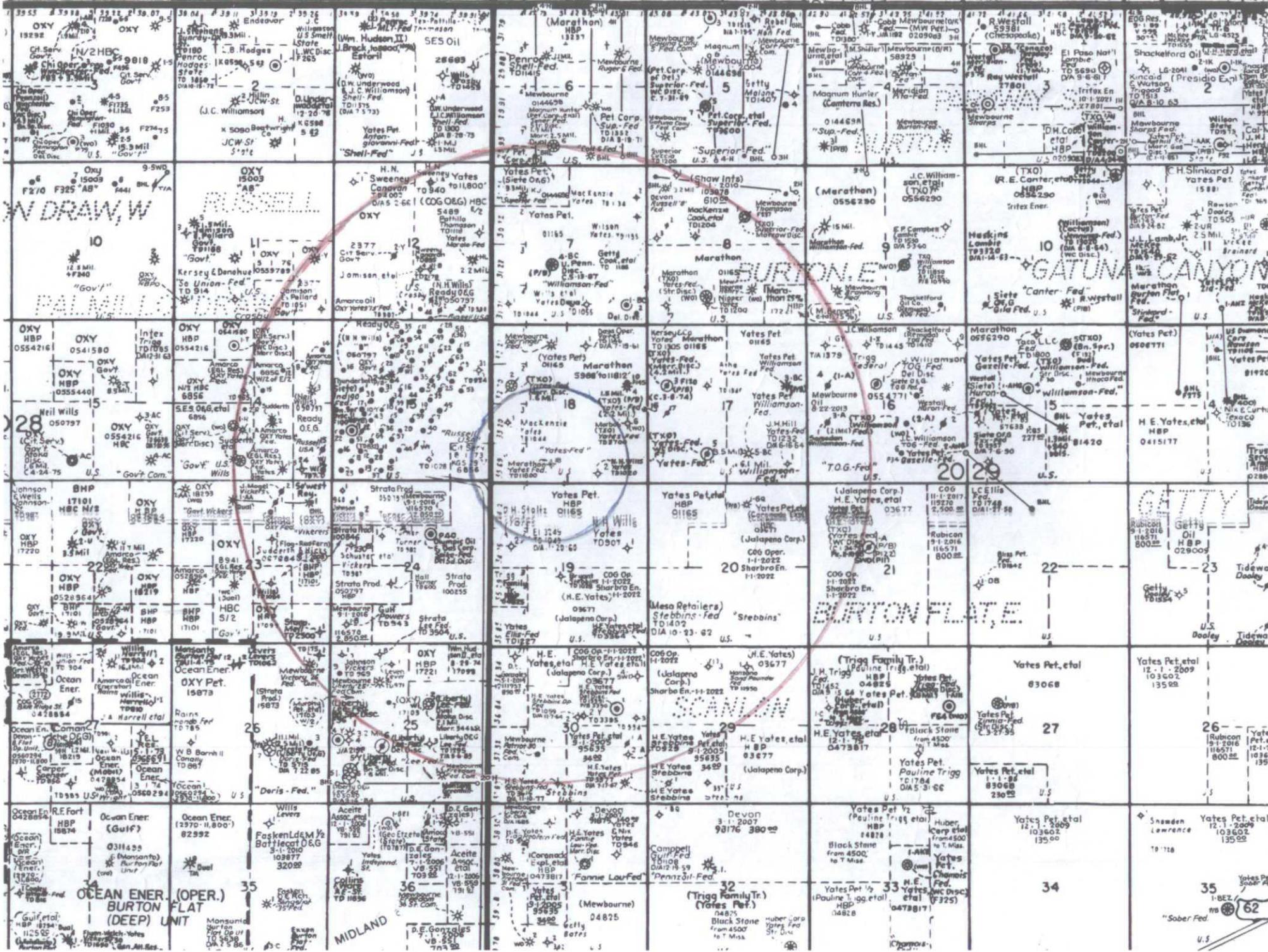
No perforations. Dry Hole.

Plugs @ 10600' (75 sx), 9350' (56 sx), 7810' (56 sx), 5800' (56 sx), 3254' (56 sx), 3099' (50 sx), 1298' (38 sx), 425' (38 sx), 50' to surface (20 sx)

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 (roughly 1000' above injection interval)

Underlying producing zone – N/A



W DRAW, W

PALM BEACH

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OCEAN ENER. (OPER.) BURTON FLAT (DEEP) UNIT

MIDLAND

BARTON FLATS

GATUNA CANYON

CITY

BARTON FLATS

CITY

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Derringer SWD #1 C-108
Additional Details

- VI.** There are no wells within the ½ mile area of review that penetrated the Devonian.
- VII.**
1. Proposed average rate of 5000 bwpd and maximum rate of 20,000 bwpd.
 2. Closed system.
 3. Proposed average injection pressure is unknown and the maximum injection pressure is 2520 psig (0.2 psi/ft x 12600 ft).
 4. Injection fluid will be formation water from the Mewbourne Oil Company operated Bone Spring producing wells in the area. See attached water analysis for the Bone Spring formation from the Mewbourne Derringer 18 Federal #2H (18-20S-29E) which is the nearest current Mewbourne operated producer.
 5. We will be injecting into the Devonian. No water analysis is available for the Devonian. —
- VIII.**
1. The proposed injection interval is within the Devonian carbonate formation which is a porous dolomite at +/- 12,600'.
 2. Any underground water sources will be shallower than the 375' setting depth of the surface casing. There are no freshwater zones underlying the formation. see E-mail
- IX.** The proposed stimulation is an open-hole acid treatment of 20000 gallons of 15% HCL.
- X.** Well logs have been filed with the Division to a depth of 11,800'. New logs will be provided after the well has been deepened.
- XI.** There are no freshwater wells within one mile of proposed SWD.
- XII.** 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.
- XIII.** See attached Proof of Notice

Current

Mewbourne Oil Company

Well Name: Derringer 18 SWD #1

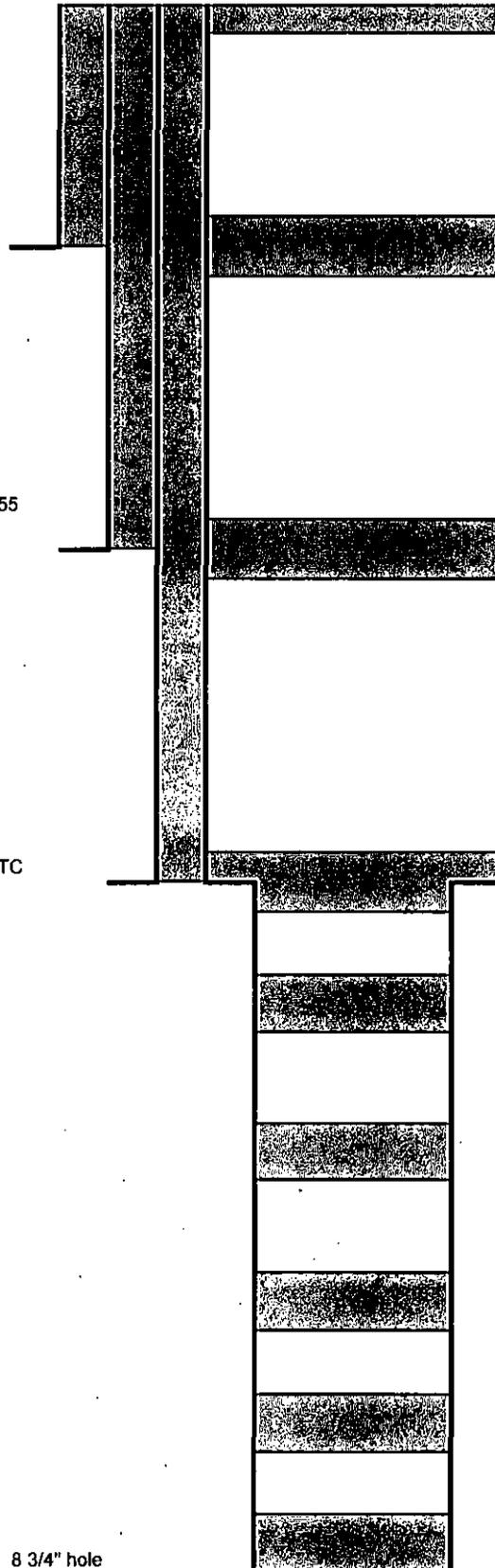
Last Updated by: S. Heinze on 3/18/13

Spud Date: 1/13/99

26" x 20" 94# J55 BTC
Set @ 375'
Circ 25 sx to pit

17 1/2" x 13 3/8" x 54.5 # J55
& 48# H40
Set @ 1245'
Circ 431 sx to pit

12 1/4" x 9 5/8" x 36# K55 LTC
Set @ 3229'
Circ 452 sx to pit



Cmt plug @ 50' - surface

Cmt plug @ 425'

Cmt plug @ 1298'

Cmt plug @ 3099' - 3274'

Cmt plug @ 5800' - 5950'

Cmt plug @ 7810' - 7960'

Cmt plug @ 9350' - 9450'

Cmt plug @ 10600' - 10800'

Cmt plug @ 11532' - 11800'

8 3/4" hole
TD @ 11800'

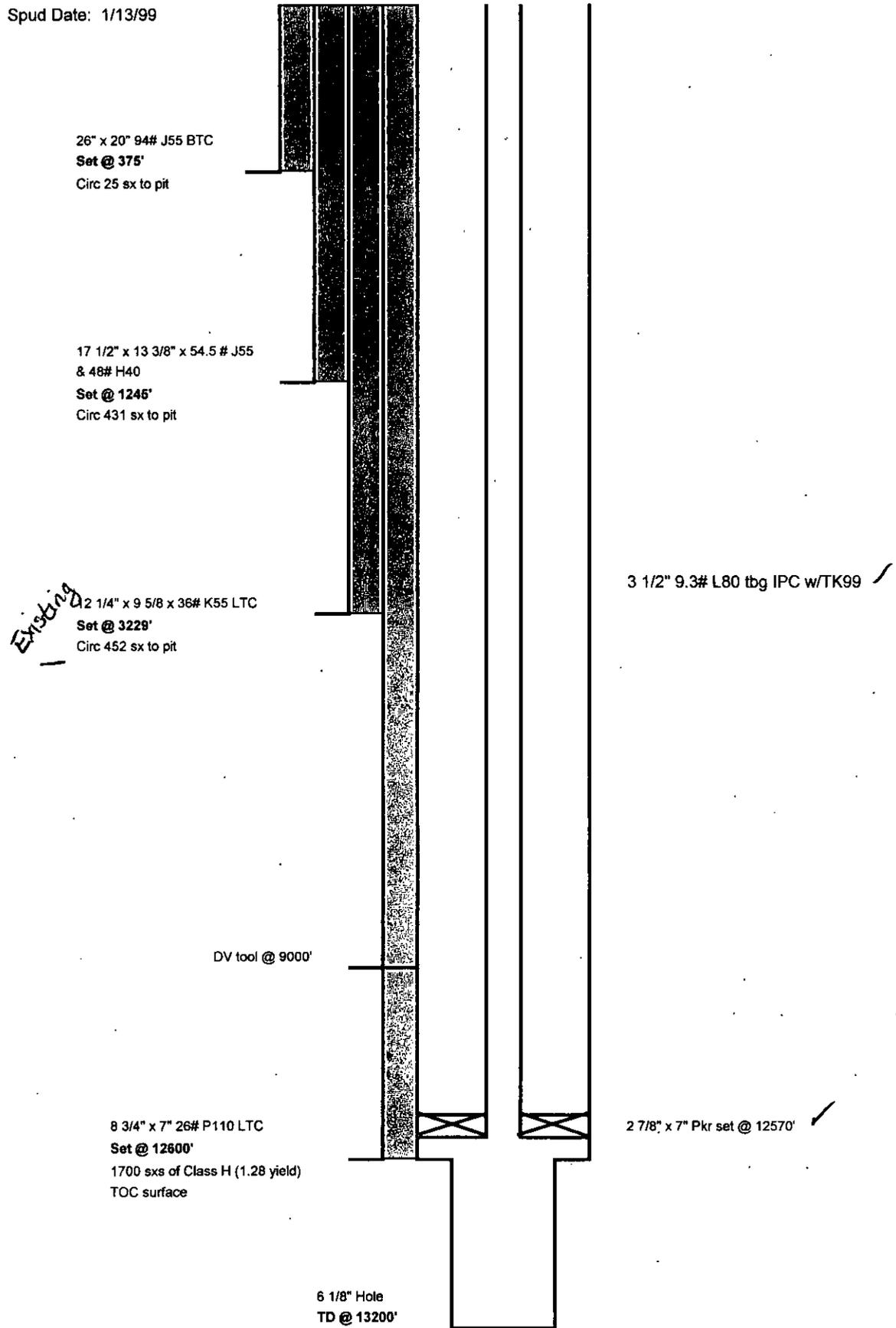
Proposed

Mewbourne Oil Company

Well Name: Derringer 18 SWD #1

Last Updated by: S. Heinze on 3/18/13

Spud Date: 1/13/99



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

Lease Derringer "18" Federal Well No 2H Location 2150' FNL & 330' FWL
County Eddy ST NM Section 18 TwnShp 20S Rng 29E
Section _____ Blk _____ Survey _____
Filename _____ Page 1

API No. 30-015-39758

DATE	DAILY REPORTS
APR 11 2013	<p data-bbox="337 689 1518 761">Water analysis from 04/10/13: SG @ 1.170, Temp 70°, pH 6.79, Na 67801, Ca 8000, Mg 4800, Fe 0.3, CL 132000, SO₄ 350, HCO₃ 73 (all in Mg/L).</p> <p data-bbox="440 889 820 1004"><i>Bone Spring</i></p>

Submit to Appropriate District Office
 State Lease - 6 copies
 Fee Lease - 5 copies
 DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

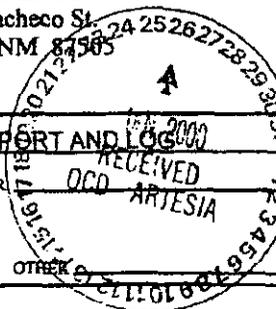
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-105
 Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
 Santa Fe, NM 87505



WELL API NO.
 30-015-30828

5. Indicate Type Of Lease
 STATE FEE

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
 YATES FEDERAL

8. Well No. 18

9. Pool name or Wildcat
 BURTON FLATS MORROW

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL GAS WELL DRY OTHER
 b. Type of Completion: NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR OTHER

2. Name of Operator
 Marathon Oil Company

3. Address of Operator
 P.O. Box 552, Midland, TX 79702

4. Well Location
 Unit Letter N 660 Feet From The SOUTH Line and 1980 Feet From The WEST Line

Section 18 Township 20-S Range 29-E NMPM EDDY County

10. Date Spudded 11/13/99
 11. Date T.D. Reached 12/6/99
 12. Date Compl. (Ready to Prod.)
 13. Elevations (DF & RKB, RT, GR, etc.) 3265' - KB
 14. Elev. Casinghead 3251'

15. Total Depth 11,800'
 16. Plug Back T.D.
 17. If Multiple Compl. How Many Zones?
 18. Intervals Drilled By Rotary Tools Cable Tools
 XXX

19. Producing Interval(s), of this completion - Top, Bottom, Name
 NONE
 20. Was Directional Survey Made
 NO

21. Type Electric and Other Logs Run
 PFE/HALS/NGT
 22. Was Well Cored
 NO

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	375'	26" 7/8 350	1000 SX "C", CIRC. 25 SX	-0-
13 3/8"	54.5#	1245'	17 1/2"	1350 SX "C", CIRC 431 SX	-0-
9 5/8"	36#	3229'	12.25"	1250 SX "C", CIRC 452 SX	-0-

24. LINER RECORD 25. TUBING RECORD

SIZE	TOP	BOTTOM	PACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)
 27. ACID, SHOT, FRACTURE, CEMENT, SOEZE, ETC.
 DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
 Wrong Record Only

28. PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

Date of Test Hours Tested Choke Size Prod'n For Test Period Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio

Flow Tubing Press. Casing Pressure Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API -(Corr.)

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

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Walter J. Quillen, Jr. Printed Name R. J. LONGMIRE Title DRLG SUPERINTENDEN Date 1/17/00

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northeastern New Mexico

T. Anhy _____	T. Canyon _____ -0-	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 440	T. Strawn _____ 10303	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____ 762	T. Atoka _____ 10630	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 962	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____ 3118	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____ 5650	T. Entrada _____	T. _____
T. Abo _____	T. _____ MORROW 11204	T. Wingate _____	T. _____
T. Wolfcamp _____ 9140	T. _____ L MORROW 11532	T. Chinle _____	T. _____
T. Penn _____ 9987	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

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

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

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
440	762	332	SALT & ANHYDRITE	10668	11430	762	SHALE & LIMESTONE
762	962	200	SHALE & LIMESTONE	11430	11800	370	SHALE & SANDSTONE
962	3118	2156	LIMESTONE				
3118	5650	2532	SANDSTONE & SHALE				
5650	5930	280	LIMESTONE & SHALE				
5930	6058	128	SHALE				
6058	6912	854	LIMESTONE				
6912	7092	180	SHALE & LIMESTONE				
7092	7510	418	LIMESTONE				
5410	7886	376	SANDSTONE				
7886	8710	824	LIMESTONE				
8710	9307	597	SANDSTONE & SHALE				
9307	9390	83	LIMESTONE				
9390	10300	910	SHALE				
10300	10668	368	LIMESTONE & SHALE				

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30 2000

c/sf

5. Lease Serial No.
NM-01165

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
YATES FEDERAL 18

9. API Well No.
30-015-30828

10. Field and Pool, or Exploratory Area
BURTON FLATS MORROW
79280

11. County or Parish, State
EDDY NM

SUEMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Marathon Oil Company

3a. Address
P.O. Box 552 Midland, TX 79702

3b. Phone No. (include area code)
800-351-1717

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 1980' FWL
SEC. 18, T-20-S, R-29-E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <u>SPUD & DRLG OPERATIONS</u>
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon <input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

11/13/99 - MIRU TMBR/Sharp # 23. Spud 26" hole @ 2230 hrs. Drilled to 375'. Ran 9 jts, 20", 94#, J-55, BTC casing to 375'. Cemented w/ 850 sx, Premium Plus w/ 2% cacl, .25 pps flocele. Did not circulate cement. WOC 6 hrs, Ran 1" to 58", cemented w/ 150 sx Premium Plus, circulated 25 sx to pit. Total WOC 18 hrs.
P.U. 17.5" bit and drilled stab-in shoe and formation to 1245'. Ran 4 jts, 13.375", 54.5#, J-55 and 24 jts, 48#, H-40 casing to 1245'. Float Collar @ 1198'. Cemented w/ 1100 sx Interfil Prem Plus followed by 250 sx Premium Plus w/ .25 pps flocele, 2% cacl. Circulated 431 sx to pit. N.U. 13-5/8" annular and mud cross. Total WOC 12.25 hrs. Tested annular against casing to 1000 psi

Drilled 12.25" hole to 3229'. Ran 72 jts. 9.625", 36#, K-55; LTC casing to 3229'. Cemented casing w/ 1000 sx HOWCO lite, w/ 2% P.P., 2% CFR-3, 2% econolite, 6 pps nacl, Tailed in w/ 250 sx, P.P. w/ 2% econolite; Circulated 452 sx; Set slips w/ 80K, cut 9.625". N.U. 13-5/8" 3M X 11" 5M B section. Tested to 1000 psi. N.U. 11.5m dual ram BOPE and annular w/ rotating head. Tested BOPE and lines to 300/3000 psi. / TTI: w/ 8.75" bit and tested casing and blind rams to 1000 psi. Total WOC - 19.5 hrs. Drilled plug and float and resumed drilling formation to 11,800'. TD well @ 1815 hrs, 12/6/99.

Logged well w/ Platform Express 11,800' to surface. Set 103 sx Class "H" @ 11,800'. Dressed off cement to 11,532'. Ran DST # 1, 11,550' - 11,237'. Opened tool w/ instant blow, built to 35 psi in 15 min. SJ 60 min, GTS in 11 min. Opened tool, Built to 70 psi in 19 min., had flow for 15 min and plr seal failed. Recovered 188' GCM, Sample chamber 2500 cc mud Rm .272 @ 60, 50 psi. Temp 173 deg. IH - 5823, IF - B47 - 521, IS1 - 4636. FF 838 - 631.

Consulted w/ BLM for plugging recommendations. Plugged well as follows: # 1 - 75 sx class "H" 10,800' - 10,600'. # 2 - 56 sx Class "H" 9450' - 9350'. # 3 - 56 sx Class "H" - 7960' - 7810'. # 4 - 56 sx - Class "H" 5950' - 5800'. # 5 - 56 sx Class "C" 3274' - 3174'. WOC 4 hrs, tagged plug @ 3254'. Spooled 50 sx Class "C" @ 3254', WOC 3 hrs, tagged plug @ 3099'. Set plug # 6 - 38 sx, Class "C" @ 1298'. Plug # 7 - 38 sx Class "C" @ 425'. Plug # 8 - 20 sx Class "C" 50' - surface. Nipped down BOPE released rig @ 12/12/99. Cut casing 3' below G/L and installed dry hole marker.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)
R. J. LONGMIRE

Title
DRILLING SUPERINTENDENT

Date
12/16/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Title
Office
Date

(ORIG. SGD) DAVID R. GLASS

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

(Instructions on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30 2000

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2894

clsf

5. Lease Serial No. **NM-01165**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No. **YATES FEDERAL 18**

9. API Well No. **30-015-30828**

10. Field and Pool, or Exploratory Area **BURTON FLATS MORROW**

11. County or Parish, State **EDDY NM**

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Marathon Oil Company

3a. Address **P.O. Box 552 Midland, TX 79702**

3b. Phone No. (include area code) **800-351-1717**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**660' FSL & 1980' FWL
 SEC. 18, T-20-S, R-29-E**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans <input checked="" type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BLA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Consulted with BLM for plugging recommendations. Plugged well as follows:

- #1 - 75 sx class "H" 10,800' - 10,600'
- #2 - 56 sx Class "H" 9450' - 9350'
- #3 - 56 sx Class "H" 7960' - 7810'
- #4 - 56 sx Class "H" 5950' - 5800'
- #5 - 56 sx Class "C" 3274' - 3174'

WOC 4 hrs., tagged plug @ 3254'. Spotted 50 sx Class "C" @ 3254'.
 WOC 3 hrs., tagged plug @ 3099'. Set plug #6 - 38 sx Class "C" @ 1298'.
 Plug #7 - 38 sx Class "C" @ 425'.
 Plug #8 - 20 sx Class "C" 50' - surface.

Nipped down BOPE. Released Rig on 12/12/99.

Cut casing 3' below GL and installed dry hole marker.

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

Name (Printed/Typed) **R. J. LONGMIRE** *Mattie Duncan* Title **DRILLING SUPERINTENDENT**

Date **1/6/00**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

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

(Instructions on reverse)

NOTICE LIST

Surface Owner

Bureau of Land Management

Offset Operators

All §18-20S-29E

Mewbourne Oil Company

N½ §19-20S-29E

Yates Petroleum Corporation

All §15-20S-28E

OXY USA WTP Limited Partnership

OXY USA Inc.

NE¼NE¼ §24-20S-28E

CFM Oil, Inc.

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

May 17, 2013

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 for a salt water disposal well in the SE¼SW¼ of Section 18, Township 20 South, Range 29 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 no later than 15 days from the date 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 later.

Very truly yours,



James Bruce

Attorney for Mewbourne Oil Company

Exhibit A

Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210

OXY USA WTP Limited Partnership
OXY USA Inc.
P.O. Box 4294
Houston, Texas 77210

CFM Oil, Inc.
P.O. Box 1176
Artesia, New Mexico 88211

Wesley Ingram
Bureau of Land Management
620 East Greene
Carlsbad, New Mexico 88220

NOTICE

Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval to re-enter the Yates Fed. Well No. 18, to be re-named the Derringer SWD Well No. 1, located 660 feet from the south line and 1980 feet from the west line (the SE/4SW/4) of Section 18, Township 20 South, Range 29 East, NMPM, Eddy County, New Mexico, deepen it to the Devonian formation, and dispose of produced water into the Devonian formation at depths of 12600-13200 feet subsurface. The expected maximum injection rate is 20000 BWPD, and the maximum injection pressure is 2520 psi. If you object to the application you must file a written 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 Drew Robison, Mewbourne Oil Company, Suite 1020, 500 West Texas, Midland, Texas 79701, (432)-682-3715. The well is located approximately 10 miles east-southeast of Lakewood, New Mexico.

JAMES BRUCE
Attorney at Law
Post Office Box 1056
Santa Fe, New Mexico 87504
Telephone: (505) 982-2043
Fax: (505) 982-2151
jamesbruc@aol.com

RECEIVED OCD

2013 JUL -3 A 9: 07

DELIVER TO: Phillip Goetze

COMPANY: Oil Conservation Division

CITY: Santa Fe, New Mexico

FAX NUMBER: (505) 476-3462

PAGES: 4 (including cover sheet)

DATE: 7/3/13

MEMO: Phillip: Regarding Mewbourne's Derringer SWD well, attached are the white/green cards, and the affidavit of publication. The original affidavit was mailed to the OCD a few weeks ago.

CONFIDENTIALITY NOTICE



This transmission contains information which may be confidential or legally privileged. The information is intended only for the named recipient. If you are not the intended recipient, copying or distribution of the information is prohibited. If you have received this transmission in error, please call us and return the document to us. Thank you.

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

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

ARTESIA NM 88210 SPECIAL USE

Postage	\$ 11.52	0500
Certified Fee	\$ 3.10	19
Return Receipt Fee (Endorsement Required)	\$ 2.55	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 17.17	

Postmark Here
MAY 18 2013

Sent To: Yates Petroleum Corporation
 105 South Fourth Street
 Artesia, New Mexico 88210

City, State, ZIP+4

PS Form 3800, August 2003 See Reverse for instructions

7012 0470 0001 5975 3450

SENDER: COMPLETE THIS SECTION

- Complete forms 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 mail piece, or on the front if space permits.

1. Article Addressed to:

CFM Oil, Inc.
 P.O. Box 1176
 Artesia, New Mexico 88211

COMPLETE THIS SECTION ON DELIVERY

A. Signature: *[Signature]* Agent Addressee

B. Received by (Printed Name): *[Signature]* C. Date of Delivery: *5-20-13*

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

2. Service Type:
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail G.O.D.

3. Restricted Delivery? (Extra Fee) Yes

2. Article Number (Transfer from service label) **7012 0470 0001 5975 3450**

PS Form 3811, February 2004 Domestic Return Receipt *M JWD* 102505-02-M-1540

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

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

ARTESIA NM 88210 SPECIAL USE

Postage	\$ 11.52	0500
Certified Fee	\$ 3.10	19
Return Receipt Fee (Endorsement Required)	\$ 2.55	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 17.17	

Postmark Here
MAY 18 2013

Sent To: CFM Oil, Inc.
 P.O. Box 1176
 Artesia, New Mexico 88211

City, State, ZIP+4

PS Form 3800, August 2003 See Reverse for instructions

7012 0470 0001 5975 3450

SENDER: COMPLETE THIS SECTION

- Complete forms 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 mail piece, or on the front if space permits.

1. Article Addressed to:

Yates Petroleum Corporation
 105 South Fourth Street
 Artesia, New Mexico 88210

COMPLETE THIS SECTION ON DELIVERY

A. Signature: *[Signature]* Agent Addressee

B. Received by (Printed Name): *[Signature]* C. Date of Delivery: *5-21*

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

2. Article Number (Transfer from service label) **7012 0470 0001 5975 3436**

PS Form 3811, February 2004 Domestic Return Receipt *M JWD* 102505-02-M-1540

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 type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Wesley Ingram</i> C. Date of Delivery <i>5-24-13</i></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>1. Article Addressed to:</p> <p>Wesley Ingram Bureau of Land Management 620 East Greene Carlsbad, New Mexico 88220</p>		<p>2. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input checked="" type="checkbox"/> Insured Mail <input type="checkbox"/> COD</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>2. Article Number (Transfer from service label) 7012 0470 0001 5975 3467</p>			
PS Form 3811, February 2004		Domestic Return Receipt <i>M SWA</i> 10256-02-14-1540	

U.S. Postal Service		CERTIFIED MAIL RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)			
For delivery information visit our website at www.usps.com			
OFFICIAL USE			
Postage	\$ 1.52	0500 19 USPS SANTA FE, NM 87501 Postmark MAY 18 2013 SANTA FE, NM MAIN POST OFFICE	
Certified Fee	\$3.10		
Return Receipt Fee (Endorsement Required)	\$2.55		
Restricted Delivery Fee (Endorsement Required)	\$0.00		
Total Postage & Fees	\$ 7.17		
Sent To	OXY USA WTP Limited Partnership OXY USA Inc. P.O. Box 4294 Houston, Texas 77210		
Street, Apt. No., or PO Box No.	Houston, Texas 77210		
City, State, ZIP+4	Houston, Texas 77210		
PS Form 3830, August 2006		See Reverse for Instructions	

7012 0470 0001 5975 3467

U.S. Postal Service		CERTIFIED MAIL RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)			
For delivery information visit our website at www.usps.com			
OFFICIAL USE			
Postage	\$ 1.52	0500 19 USPS SANTA FE, NM 87501 Postmark MAY 18 2013 SANTA FE, NM MAIN POST OFFICE	
Certified Fee	\$3.10		
Return Receipt Fee (Endorsement Required)	\$2.55		
Restricted Delivery Fee (Endorsement Required)	\$0.00		
Total Postage & Fees	\$ 7.17		
Sent To	Wesley Ingram Bureau of Land Management 620 East Greene Carlsbad, New Mexico 88220		
Street, Apt. No., or PO Box No.	Carlsbad, New Mexico 88220		
City, State, ZIP+4	Carlsbad, New Mexico 88220		
PS Form 3830, August 2006		See Reverse for Instructions	

7012 0470 0001 5975 3467

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 type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Wesley Ingram</i> C. Date of Delivery <i>5-24-13</i></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>1. Article Addressed to:</p> <p>OXY USA WTP Limited Partnership OXY USA Inc. P.O. Box 4294 Houston, Texas 77210</p>		<p>2. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input checked="" type="checkbox"/> Insured Mail <input type="checkbox"/> COD</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>2. Article Number (Transfer from service label) 7012 0470 0001 5975 3467</p>			
PS Form 3811, February 2004		Domestic Return Receipt <i>M SWA</i> 10256-02-14-1540	

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

Kathy McCarroll, being first duly sworn,
on oath says:

That she is the Classified Supervisor 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:

May 21 _____ 2013

That the cost of publication is \$60.74 and that payment thereof has been made and will be assessed as court costs.

Kathy McCarroll

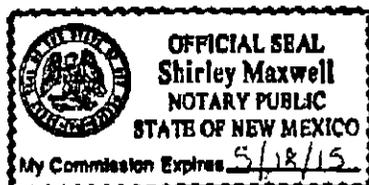
Subscribed and sworn to before me this

21st day of May _____, 2013

Shirley Maxwell

My commission Expires on May 18, 2015

Notary Public



Ezeanyim, Richard, EMNRD

From: jamesbruc@aol.com
Sent: Wednesday, May 22, 2013 7:59 AM
To: Ezeanyim, Richard, EMNRD
Subject: Fwd: Derringer SWD 1

Richard: Set forth below is an e-mail to Mewbourne, and a response.

Jim

(I mailed this application in a few days ago.)

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

From: Drew Robison <drobison@Mewbourne.com>
To: Ingram, Wesley <wingram@blm.gov>
Cc: jamesbruc <jamesbruc@aol.com>; Paul Haden <phaden@Mewbourne.com>
Sent: Tue, May 21, 2013 3:30 pm
Subject: Re: Derringer SWD 1

Wesley,

We are glad to hear you do not have any objections. We will change the name to the Derringer Federal SWD #1 as your requested. Regarding the Capitan Reef, that was just an oversight on our part. There is 9 5/8" casing with cement to surface already in the wellbore and we plan to run 7" casing and circulate cement to surface also, so we should have good isolation. The perforations mentioned were a typo and will not be present, so the openhole interval will be approximately 12600'-13200'. Let me know if you have any other questions. We should be filing a Federal APD pretty soon and it will reflect your suggestions below.

Thanks,
Drew

From: "Ingram, Wesley" <wingram@blm.gov>
To: <jamesbruc@aol.com>, <drobison@mewbourne.com>
Date: 05/21/2013 12:24 PM
Subject: Derringer SWD 1

Jim and Drew,

The BLM does not have any objections to this well, but there are a few items that could use some clarification.

1. Since this is a Federal well bore - it would be best to have Federal in the name.
2. The operator states that there is no other fresh water. This well is drilled through the Capitan Reef and its location actually has good water in the reef.
3. Operator states that they will have perforations in the open hole.
Why?

Thank you.

Injection Permit Checklist: Received 05/24/13 First Email Date: 06/27/2013 - Notification Final Reply Date: 07/03/2013 Suspended?: No

Issued Permit: Type: WFX / PMX (SWD) Number: 1425 Permit Date: 06/28/2013 Legacy Permits or Orders: —

Well No. 1 Well Name(s): Derringer Federal SWD [Formerly Yates #18]

API: 30-0 15-30828 Spud Date: 01/13/1999 New/Old: (N) (UIC CI II Primacy March 7, 1982)

Footages 660 FSL / 1980 FWL Lot — Unit N Sec 18 Tsp 205 Rge 29E County Eddy

General Location: Burton Flats - east of Carlsbad Pool: Former wildcat No producer Pool No.: NA

Operator: Meiwburne Oil Company OGRID: 14744 Contact: Drew Robinson

COMPLIANCE RULE 5.9: Inactive Wells: 3 Total Wells: 705 Fincl Assur: Yes Compl. Order? No IS 5.9 OK? OK

Well File Reviewed: Current Status: P&A - Morrow test

Planned Rehab Work to Well: Drill out plugs / Complete to 12,600 with new cmt & casing / open hole TO at 13200 / 600' open hole

Well Diagrams: Proposed — Before Conversion — After Conversion — Are Elogs in Imaging?: Yes - but too shallow

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned <u>—</u> or Existing <input checked="" type="checkbox"/> <u>Cond</u>	<u>26" / 20</u>	<u>0 to 375</u>	<u>No</u>	<u>850</u>	<u>Cir to pit</u>
Planned <u>—</u> or Existing <input checked="" type="checkbox"/> <u>Surface</u>	<u>17.5 / 13 3/8</u>	<u>0 to 1245</u>	<u>No</u>	<u>1450</u>	<u>Cir to pit</u>
Planned <u>—</u> or Existing <input checked="" type="checkbox"/> <u>Interm</u>	<u>12 1/4 / 9 5/8</u>	<u>0 to 3229</u>	<u>No</u>	<u>1250</u>	<u>Cir to pit</u>
<input checked="" type="checkbox"/> Planned <u>—</u> or Existing <u>LongSt</u>	<u>8 3/4 / 7</u>	<u>0 to 12600</u>	<u>DN @ 9000</u>	<u>1700</u>	<u>Cir to surf</u>
Planned <u>—</u> or Existing <u>Liner</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<input checked="" type="checkbox"/> Planned <u>—</u> or Existing <u>OH / PERF</u>	<u>6 1/8 / NA</u>	<u>12600 to 13200</u>	<u>—</u>	<u>—</u>	<u>—</u>

Injection Strat Column:	Depths (ft)	Formation	Tops?	Completion/Ops Details:
Above Top of Inject Formation	<u>est. -1346</u>	<u>Morrow</u>	<u>11204</u>	Drilled TD <u>11800</u> (to be deepened) PBTB <u>—</u>
Above Top of Inject Formation	<u>est. -1068</u>	<u>L. Morrow</u>	<u>11532</u>	Open Hole <input checked="" type="checkbox"/> or Perfs <u>—</u>
Proposed Interval TOP:	<u>12600</u>	<u>Devonian</u>	<u>No info</u>	Tubing Size <u>3 1/2 in</u> Inter Coated? <u>Y</u>
Proposed Interval BOTTOM:	<u>13200</u>	<u>Devonian</u>	<u>No info</u>	Proposed Packer Depth <u>—</u>
Below Bottom of Inject Formation	<u>—</u>	<u>—</u>	<u>—</u>	Min Packer Depth <u>12500</u> (100-ft limit)
Below Bottom of Inject Formation	<u>—</u>	<u>—</u>	<u>—</u>	Proposed Max. Surface Press <u>2520</u>
				Calc. Injt Press <u>2520</u> (0.2 psi per ft)
				Calc. FPP <u>—</u> (0.65 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P No Noticed? No BLM Sec Ord No WIPP No Noticed? No SALADO: T: — B: — CLIFF HOUSE NA

Fresh Water: Max Depth +2050 FW Formation Capitan Reef Wells? No Analysis? No Hydrologic Affirm Statement Yes

Disposal Fluid: Formation Source(s) Bore Spring - Oxy Lease On Lease — Only from Operator or Commercial —

Disposal Interval: Injection Rate (AVE/MAX): 5000/2000 BWPD Protectable Waters: (?) to include CAPITAN REEF: thru adjacent

H/C Potential: Producing Interval? No Formerly Producing? No Method: E Log / Mudlog / DST / Depleted / Other (?) - No info

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

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 05/21/2013 Mineral Owner Fed Surface Owner Fed N. Date 05/10/2013

RULE 26.7(A): Identified Tracts? Affected Persons: Yates / CFM oil / Oxy USA N. Date 05/18/2013

Permit Conditions: 1) Provide mudlog over permitted interval

Issues: 2) estimated inside salinity from logs

SWD_Checklist V6.xls