

<b>Well Name:</b> DERRINGER FEDERAL SWD	<b>Well Location:</b> T20S / R29E / SEC 18 / SESW /	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1	<b>Type of Well:</b> INJECTION - ENHANCED RECOVERY	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM01165	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001530828	<b>Well Status:</b> Water Disposal Well	<b>Operator:</b> MEWBOURNE OIL COMPANY

Notice of Intent

<b>Type of Submission:</b> Notice of Intent	<b>Type of Action</b> Deepen Well
<b>Date Sundry Submitted:</b> 05/07/2021	<b>Time Sundry Submitted:</b> 11:43
<b>Date proposed operation will begin:</b> 05/10/2021	

**Procedure Description:** Procedure for Derringer Deepening 1. MIRU WSU. Unseat packer and POOH with tubing and packer. 2. PU and RIH with 6 1/8” bit and 2 3/8” work string. 3. Drill from 13,200’ to 13,390’. 4. POOH with bit and workstring. 5. PU and RIH AS1X packer and 4 ½” lined injection string. 6. Seat packer and test backside to 600#. 7. RDMO WSU. 8. Perform MIT 9. Resume injection.

Surface Disturbance

**Is any additional surface disturbance proposed?:** No

NOI Attachments

**Procedure Description**

Derringer\_WBS\_20210507114316.xls

Derringer\_deepening\_procedures\_20210507114256.docx

Received by OCD: 5/26/2021 7:45:35 AM

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Well Name: DERRINGER FEDERAL SWD	Well Location: T20S / R29E / SEC 18 / SESW /	County or Parish/State: EDDY / NM
Well Number: 1	Type of Well: INJECTION - ENHANCED RECOVERY	Allottee or Tribe Name:
Lease Number: NMNM01165	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001530828	Well Status: Water Disposal Well	Operator: MEWBOURNE OIL COMPANY

Conditions of Approval

Specialist Review

Workover\_or\_Vertical\_Deepen\_COA\_20210525185114.pdf

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: BRADLEY BISHOP	Signed on: MAY 07, 2021 11:43 AM
Name: MEWBOURNE OIL COMPANY	
Title: Regulatory	
Street Address: PO Box 5270	
City: Hobbs	State: NM
Phone: (575) 393-5905	
Email address: bbishop@mewbourne.com	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Approved	Disposition Date: 05/25/2021
Signature: Jonathon Shepard	

### **Procedure for Derringer Deepening**

1. MIRU WSU. Unseat packer and POOH with tubing and packer.
2. PU and RIH with 6 1/8" bit and 2 3/8" work string.
3. Drill from 13,200' to 13,390'.
4. POOH with bit and workstring.
5. PU and RIH AS1X packer and 4 1/2" lined injection string.
6. Seat packer and test backside to 600#.
7. RDMO WSU.
8. Perform MIT
9. Resume injection.

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

### Conditions of Approval for Workover/Deepening of a Well

1. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612
2. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
3. Cement: Notify BLM if cement fails to circulate.
4. Subsequent Reporting: Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. Show date work was completed. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
5. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
6. If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken: From March 1<sup>st</sup> through June 15<sup>th</sup> annually, activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.

## Mewbourne Oil Company (Current Schematic)

Well Name: Derringer Federal SWD #1  
SWD - 1425

Last Updated by: T. Harrington

10/23/2020

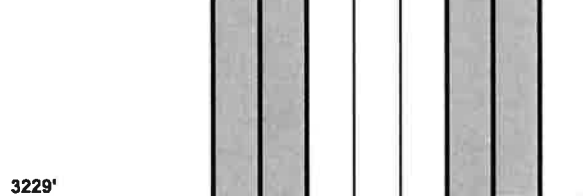
20" (94#)  
Cement w/1000 Sx  
Circ to Surface



13 3/8" (54.5#)  
Cement w/ 1350 Sx  
Circ to Surface



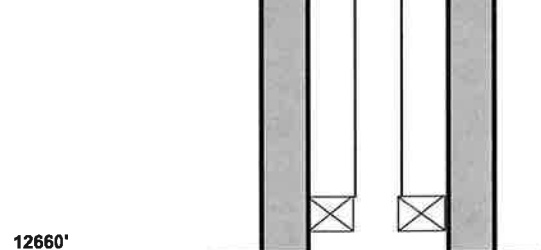
9 5/8" (36#)  
Cement w/ 1350 Sx  
Circ to Surface



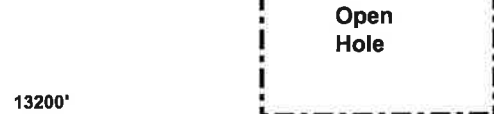
DV tool @ 9000'  
Cement with 1100 sx  
TOC @ surface (CBL)



7" (26 #)  
Cement with 500 Sx  
TOC @ surface (CBL)



6 1/2" Open Hole  
TD @ 13,200'



#### Injection String

4 1/2" 12.75#, 13CRHP110 (Fiberglass Lined)  
2 7/8" x 4 1/2" nickel plated crossover  
2 7/8" x 7" Model R pkr w/ carbide slips @ 12,605'

Top of Permitted Injection Interval @ 12,600'  
Top of Devonian @ 12,614'

Injection Interval 12,660'-13,200'

## Mewbourne Oil Company (Proposed)

Well Name: Derringer Federal SWD #1  
SWD - 1425

Last Updated by: T. Harrington

10/23/2020

20" (94#)  
Cement w/1000 Sx  
Circ to Surface

375'

13 3/8" (54.5#)  
Cement w/ 1350 Sx  
Circ to Surface

1245'

9 5/8" (36#)  
Cement w/ 1250 Sx  
Circ to Surface

3229'

DV tool @ 9000'  
Cement with 1100 sx  
TOC @ surface (CBL)

9000'

7" ( 26 #)  
Cement with 500 Sx  
TOC @ surface (CBL)

New Perforations

12620' - 12645'

6 1/2" Open Hole  
TD @ 13,390'

12660'

13,390

Open  
Hole

#### Injection String

4 1/2" 12.75#, 13CRHP110 (Fiberglass Lined)  
2 7/8" x 4 1/2" nickel plated crossover  
2 7/8" x 7" Model R pkr w/ carbide slips @ 12,605'

Top of Permitted Injection Interval @ 12,600'  
Top of Devonian @ 12,614'

Revised  
Injection Interval 12,660'-13,390'

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 29529

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 29529
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Notify OCD District 24 hours prior to MIT	8/4/2021