

## Jones, William V., EMNRD

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**From:** Jones, William V., EMNRD  
**Sent:** Friday, April 01, 2011 3:45 PM  
**To:** 'jamesbruc@aol.com'  
**Cc:** Ezeanyim, Richard, EMNRD  
**Subject:** Case 14620 Mewbourne application for SWD

Hello Jim:

Would you consider passing this on to Mewbourne?

I saw this is coming up on the docket and gave it a quick review. Apparently this is a proposal to dispose or inject into an oil producing interval.

I realize that more data will come in at the hearing, but here is what I see from the application in the case file.

- a. Will this be an attempt at "pressure maintenance" injection or is this to be strictly an "SWD" disposal well that will have no positive or negative effect on the surrounding wells? I'm sure Mewbourne will present something showing the affinity of this formation fluid and rock to be waterflooded.
- b. The Wellbore Diagrams of the P&Aed wells: The 30-015-21063 diagram maybe should have the cement placement blackened or colored in, it is hard to tell where this well is cemented. The State K #1 Well bore diagram is missing from the C-108 or I could not find it. The well list shows that 4 wells were P&Aed, but only 3 diagrams are shown.
- c. A production plot of the subject well and of each surrounding well, which produce or produced from this Cisco/Canyon interval.
- d. Is this the Canyon or the Cisco? Would you please bring to the hearing a list of geology picked "tops" from the surface to below the target interval? It seems the Salado may be eroded away from this location?
- e. We have had some applications to drill horizontal wells in the Cisco Shale and so it seems this may be a target of the new horizontal/fracturing technology. Does this interval include that "Cisco Shale"?
- f. Is the subject well keeping the "Com" moniker or will it just be named the "State B #2"?

Probably no need to answer these questions before the hearing.

William V. Jones, P.E.  
Engineering, Oil Conservation Division  
1220 South St. Francis Drive, Santa Fe, NM 87505  
Tel 505.476.3448 ~ Fax 505.476.3462



(Case 14620) - Submitted 3/15/11

Injection Permit Checklist (07/9/2010)

WFX \_\_\_\_\_ PMX \_\_\_\_\_ SWD \_\_\_\_\_ Permit Date \_\_\_\_\_ UIC Qtr \_\_\_\_\_

# Wells 1 Well Name(s): State B #2

API Num: 30-0 15-28544 Spud Date: 10/11/95 New/Old: N (UIC primacy March 7, 1982)

Footages 660 Fm / 660 Fm Unit D Sec 33 Tsp 19S Rge 25E County EDDY

General Location: 27 mi NW of McMillan

Operator: Marbonne OIL COMPANY Contact Jim Bruce / Bryan Montgomery

OGRID: \_\_\_\_\_ RULE 5.9 Compliance (Wells) \_\_\_\_\_ (Finan Assur) \_\_\_\_\_ IS 5.9 OK? \_\_\_\_\_

Well File Reviewed ✓ Current Status: Total UMER Penn (marginally productive)

0° 5' 0" W

Planned Work to Well: \_\_\_\_\_

Diagrams: Before Conversion \_\_\_\_\_ After Conversion ✓ Elogs in Imaging File: ✓

Well Details:	Sizes		Setting Depths	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
	Hole.....	Pipe				
New ___ Existing ___ Surface	14 3/4	9 5/8	1204'		1100 SK	CIRC (150 SK)
New ___ Existing ___ Interm						
New ___ Existing ___ LongSt	8 3/4	7"	8035 (TD)	5 7/8	1275 SK	CIRC (130 SK)
New ___ Existing ___ Liner					475 / 600 + 200	CIRC / CIRC
New ___ Existing ___ OpenHole						

North Dogger Draw; Upper Penn (15472)  
160 ACRES

Depths/Formations:	Depths, Ft.	Formation	Tops?
Formation(s) Above			
Injection TOP:	7685	Chico Canyon	Max. PSI 1537
Injection BOTTOM:	7765	LC	Open Hole Perfs <u>✓</u>
			Tubing Size 2 7/8 Packer Depth 7600'
Formation(s) Below			

7685  
5370

Capitan Reef? \_\_\_\_\_ (Rotash? \_\_\_\_\_ Noticed? \_\_\_\_\_) [WIPP? \_\_\_\_\_ Noticed? \_\_\_\_\_] Salado Top/Bot NONE? Cliff House? \_\_\_\_\_

Fresh Water: Depths: 0-600' Formation NOT NAMED Wells? 0 Analysis? \_\_\_\_\_ Affirmative Statement ✓

Disposal Fluid Analysis? Sources: Yaso / CANYON

Disposal Interval: Analysis? \_\_\_\_\_ Production Potential/Testing: \_\_\_\_\_

Notice: Newspaper Date N/A Surface Owner SLD Mineral Owner(s) \_\_\_\_\_

RULE 26.7(A) Affected Persons: Nearby / YPC

AOR: Map? \_\_\_\_\_ Well List? \_\_\_\_\_ Active Wells 10 Producing in Interval? \_\_\_\_\_ Repairs \_\_\_\_\_ Which Wells? \_\_\_\_\_

.....P&A Wells 4 Diagrams? \_\_\_\_\_ Repairs \_\_\_\_\_ Which Wells? \_\_\_\_\_

WBD showing CMT placement 30-015-21063, State #1

Questions: → TOP? Request Sent ○ Reply: \_\_\_\_\_

produce HET of this well? Surge wells

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
DISTRICT I  
P.O. Box 1582, Hobbs, NM 88240

DISTRICT II  
P.O. Draw: DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-10:  
Revised 1-1-85

WELL API NO.  
30-015-28544  
5. Indicate Type of Lease  
STATE ☒ FEE ☐  
6. State Oil & Gas Lease No.  
NM-7913

7. Lease Name or Unit Agreement Name

State "B" Comm.

WELL COMPLETION OR RECOMPLETION REPORT

1a. Type of Well:  
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR ☐ OTHER ☐

NOV 15 1995

2. Name of Operator  
Mewbourne Oil Company

3. Address of Operator  
P.O. Box 5270 Hobbs, New Mexico 88241

4. Well Location  
Unit Letter D : 660 Feet From The North Line and 660 Feet From The West Line  
Section 33 Township 19S Range 25E NMPM Eddy County

10. Date Spudded 10/11/95  
11. Date T.D. Reached 10/27/95  
12. Date Compl. (Ready to Prod.) 11/11/95  
13. Elevations (DFA & RKB, RT, GR, etc.) 3493' GR  
14. Elev. Casinghead

15. Total Depth 8035'  
16. Plug Back T.D. 7995'  
17. If Multiple Compl. How Many Zones?  
18. Intervals Drilled By Rotary Tools Cable Tools  
X

19. Producing Interval(s), of this completion - Top, Bottom, Name  
7690' - 7764' 4 SPF 296 holes  
20. Was Directional Survey Made Yes

21. Type Electric and Other Logs Run  
DLL - MSFL, DSN - GR, CBL  
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
9-5/8"	36#	1204'	14-3/4"	1100 sx.	Circ.
7"	29#	8035'	8-3/4"	1275 sx.	Circ.

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	7860'	--

26. Perforation record (interval, size, and number)			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
7690' - 7764'	269 Shots		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
4 SPF .42"			7690' - 7764'	7000 Gal. 15% HCL	
				35000 Gal. 20% HCL	

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
11/11/95		Pumping (Submersible)				Prod.	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
11/12/95	24	--		714	2156	937	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
--	--		714	2156	937		

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

30. List Attachments  
Logs - Dir. Survey PLEASE HOLD LOGS CONFIDENTIAL FOR THE MAXIMUM PERIOD.

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 Kelly Ryan Printed Name Kelly Ryan Title District Mgr. Date 11/15/95