

Jones, William V., EMNRD

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 FwL 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 Hole.....Pipe	Setting Depths	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
New Existing Surface	1 1/4 2 1/8	1204'		1100 SX	CIRC (150 SX)
New Existing Interm					
New Existing LongSt	8 3/4 7"	8035 (TD)	5 1/2"	1275 SX	CIRC (130 SX)
New Existing Liner				475 / 600 + 200	CIRC / CIRC
New Existing OpenHole					

Depths/Formations:	Depths, Ft.	Formation	Tops?
Formation(s) Above			
Injection TOP:	7685	Casey/Canyon	Max. PSI 1537
Injection BOTTOM:	7765	LC "	Open Hole Perfs ✓ Tubing Size 2 1/8 Packer Depth 7600'
Formation(s) Below			

North Dogger Draw; Upper Basin (15472) 160 ACRES

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: Neerby / YPC

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

.....P&A Wells 4 Diagrams? Repairs Which Wells? on

Questions: → TOPS? → produce part of this well? Surge wells

also need WBD State #1

Submit to Appropriate District Office
 State Lease - 6 copies
 Fee Lease - 5 copies
DISTRICT I
 P.O. Box 1583, Hobbs, NM 88240

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-103
 Revised 1-1-85

OIL CONSERVATION DIVISION

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

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

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

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

CISE
 BLM
 BLM
 S&W

RECEIVED

NOV 15 1995

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
 7. Lease Name or Unit Agreement Name
 State "B" Comm.

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 (DF & 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 X Cable Tools
 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 - MSEL, 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**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. **TUBING RECORD**

SIZE	DEPTH SET	PACKER SET
2-7/8"	7860'	--

26. Perforation record (interval, size, and number)
 7690' - 7764' 269 Shots
 4 SPF .42"

27. **ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
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's 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