

-413- PTO-W

DATE IN 4.20.12	SUSPENSE	ENGINEER TW,	LOGGED IN 4.20.12	TYPE IPI	APP NO 1211148556
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



Mewbourne 14744

Delaware Ranch SMD 1

ADMINISTRATIVE APPLICATION CHECKLIST *30-05-28734*

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 _____

[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.

Joe B. Bryand
 Print or Type Name

Signature

Production Engineer
 Title

4/19/2012
 Date

Jbryand@mewbourne.com
 e-mail Address

Brushy Draw, Delaware, North
1500 PSI → 41?
6085

2012 APR 20 A 10:15

RECEIVED OGD

8-11-285-285

SWD 1310, 1310A, 1310B

2870'-4700' 534
4434-" 887
3696-" 739

739-91500

1536 max surface

MEWBOURNE OIL COMPANY
PO BOX 5270
HOBBS, NM 88240
575-393-5905 FAX 575-397-6252

April 19, 2012

New Mexico Oil Conservation Division
Attn: Terry Warnell
1220 South St. Francis Drive, Santa Fe, NM 87505
RE: IPI for the Delaware Ranch SWD #1

In accordance to the step rate test performed on the Delaware Ranch SWD #1 (API #30-015-22734), Mewbourne Oil Company has provided the following information:

- Application for IPI
- All data collected from Cardinal Surveys

From the data, MOC would like to increase the injection pressure to 1500 psia or more. If there are any questions or concerns please feel free to contact us.

Signed: _____



Date: 4/19/2012
Printed Name: Joe B. Bryand
Title: Production Engineer
Phone: (575) 390-1814
Email: jbryand@mewbourne.com

RECEIVED OGD
2012 APR 20 A 10:15

Step Rate Test



Cardinal Surveys Company

April 16, 2012

Mewbourne Oil Company
Delaware Ranch SWD # 1
Field:
Eddy County, New Mexico
SC 60033
File # 20743

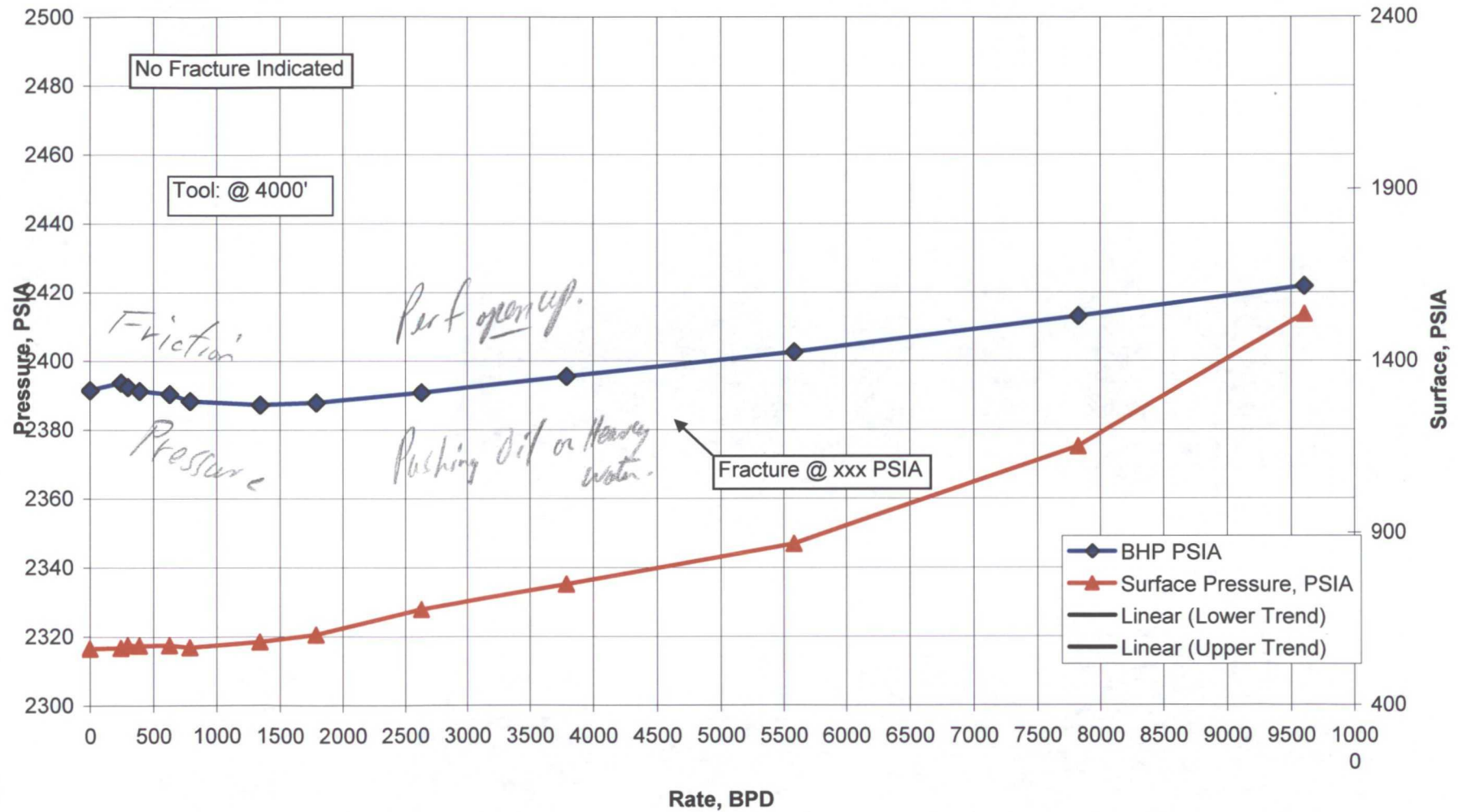
No Fracture Indicated

Downhole PSI Tool Ser. No.
Surface PSI Gauge Ser. No.
Tool @ 4000'

Start Time	End Time	Rate BPD	Comments
1	0.3875 0.40625	27	0 On Bottom
2	0.40625 0.427083	30	200
3	0.427083333 0.447917	30	100
4	0.447916667 0.46875	30	100
5	0.46875 0.489583	30	200
6	0.489583333 0.510417	30	200
7	0.510416667 0.53125	30	500
8	0.53125 0.552083	30	500
9	0.552083333 0.572917	30	1000
10	1:45 PM 2:15 PM	30	1000
11	2:15 PM 2:45 PM	30	2000
12	2:45 PM 3:15 PM	30	2000
13	3:15 PM 3:45 PM	30	2000
14	3:45 PM 4:00 PM	15	-9800 Fall Off



Mewbourne Oil Company Delaware Ranch SWD # 1
Step Rate Test 04-16-2012



Step Rate Test

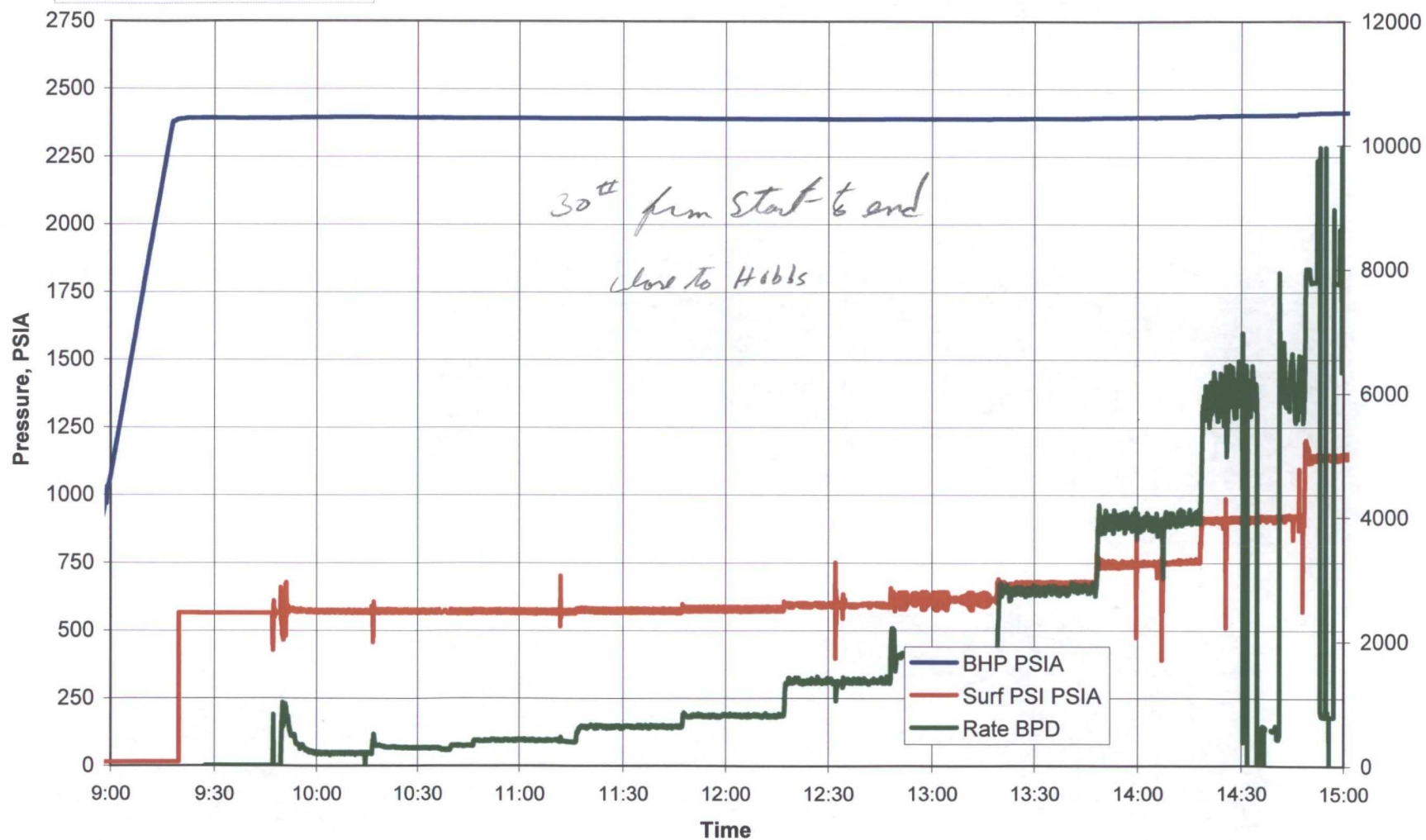
Mewbourne Oil Company
Delaware Ranch SWD # 1
Field:
Eddy County, New Mexico



	S Time	E Time	D Time	Last Rate	Step	B. H. Pressure	Surf	Cum	Delta	Avg.
			Min	BPD	BPD	PSIA	PSIA	BBL	BBL	BPD
1	9:18 AM	9:45 AM	27	0	0	2391.5	565.7	0	0.00	0
2	9:45 AM	10:15 AM	30	200	200	2393.7	567.4	5.1	5.10	245
3	10:15 AM	10:45 AM	30	300	100	2392.4	575.2	11.3	6.20	298
4	10:45 AM	11:15 AM	30	400	100	2391.3	574.2	19.4	8.10	389
5	11:15 AM	11:45 AM	30	600	200	2390.4	575.4	32.5	13.10	629
6	11:45 AM	12:15 PM	30	800	200	2388.3	569.4	49	16.50	792
7	12:15 PM	12:45 PM	30	1300	500	2387.3	585	77	28.00	1344
8	12:45 PM	1:15 PM	30	1800	500	2387.9	605.5	114.3	37.30	1790
9	1:15 PM	1:45 PM	30	2800	1000	2390.8	679.4	169.1	54.80	2630
10	1:45 PM	2:15 PM	30	3800	1000	2395.5	752.1	248.1	79.00	3792
11	2:15 PM	2:45 PM	30	5800	2000	2402.6	868.8	364.4	116.30	5582
12	2:45 PM	3:15 PM	30	7800	2000	2413	1151.2	527.4	163.00	7824
13	3:15 PM	3:45 PM	30	9800	2000	2421.8	1536.3	727.5	200.10	9605
14	3:45 PM	4:00 PM	15	0	-9800	2399.6	594.5	727.5	0.00	0

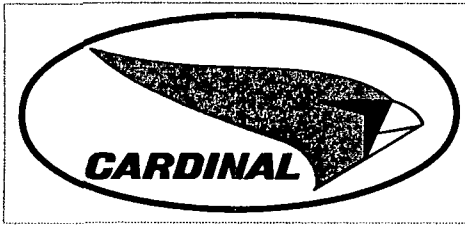


Mewbourne Oil Company Delaware Ranch SWD # 1
Step Rate Test 04-16-2012



ATTN: DARREL NORRIS

Step Rate Test



Cardinal Surveys Company

April 16, 2012

Mewbourne Oil Company
Delaware Ranch SWD # 1
Field:
Eddy County, New Mexico
SC 60033
File # 20743

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STATE
OF
NEW MEXICO



OIL
CONSERVATION
DIVISION

Please call me
wuc

Terry G. Warnell
Engineering Bureau

1220 South St. Francis Drive
Santa Fe, NM 87505

(505) 476-3466
terryg.warnell@state.nm.us
www.emnrd.state.nm.us/emnrd.ocd/

No Fracture Indicated



Transport pump Truck
\$2,000

\$3,500 + pump Truck
cost 1500

15-line
- Flow control -
- Real time -

HS Texas