

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-23067
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☒ SWD		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Mewbourne Oil Company		6. State Oil & Gas Lease No.
3. Address of Operator PO Box 5270 Hobbs, NM 88240		7. Lease Name or Unit Agreement Name San Lorenzo SWD
4. Well Location Unit Letter <u>P</u> 1980 feet from the <u>South</u> line and <u>660</u> feet from the <u>West</u> line Section <u>15</u> Township <u>25S</u> Range <u>28E</u> NMPM <u>Eddy</u> County		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2987' GL		9. OGRID Number 14744
Pit or Below-grade Tank Application ☐ or Closure ☐		10. Pool name or Wildcat Willow Lake Delaware
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____		
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

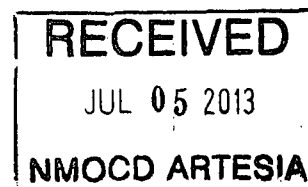
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB

OTHER:

OTHER:

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Please see enclosed procedure with before & after wellbore schematic.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC D guidelines ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Jackie Lathan TITLE Hobbs Regulatory DATE 07/05/2013

Type or print name Jackie Lathan

E-mail address: jlathan@mewbourne.com

Telephone No. 575-393-5905

For State Use Only

DENIED

APPROVED BY: _____
Conditions of Approval (if any): _____

TITLE Dist # Supervisor DATE July 5, 2013

Authorized to 5721 depth only
: Need to ReApply for deeper setting

WORKOVER PROCEDURE

Submitted By: J. Bryant

Wellname: San Lorenzo SWD #1

Location: 1980' FSL & 660' FWL
Sec. 15, T25S, R28E
Eddy County, NM

Date: 9/19/2012

Surface Csg Size: <u>20" 94#</u>	Surface Csg Set: <u>408' cmt to surface</u>
Intermediate Csg Size: <u>13 3/8" 61# K55</u>	Intermediate Csg Set: <u>2530' cmt to surface</u>
Production Csg Size: <u>9 5/8" 53 1/2# N80</u>	Production Csg Set: <u>9730' TOC @ 2280' was cutoff @ 2044' and pulled</u>
PBTD: _____	Packer Depth: <u>2598'</u>
Tbg Size: <u>3 1/2" 9.3# J55 IPC w/1505 tbg</u>	Existing Perfs: <u>2610'-4095'</u>
DV Tool: <u>N/A</u>	New Perfs: <u>Undetermined</u>

Current Analysis:

Currently the well is failing to inject a sufficient amount of water at the state maximum allowable injection pressure. We have already performed two IPI's (Injection Pressure Increase) and both test have failed to get the injection pressure to a level in which we are satisfied that we can inject a sufficient amount. The procedure below will help us determine which set of perfs will give us the maximum injection pressure and which set is causing the well to frac at such a low surface pressure. Then we will run 7" csg and perforate in this zone.

Procedure:

- 1) File CLEZ 144 & NOI.
- 2) SD Injection & back flow well. Need to set frac tanks.
- 3) MIRU WS rig & vacuum truck
- 4) ND WH & NU 11" 3k annular BOP
- 5) Rack & tally new 3 1/2" 9.3# J55 IPC tbg
- 6) Release pkr & RIH w/tbg
- 7) Set pkr & 3400'
- 8) MIRU Cardinal Surveys & Elite Well Service
- 9) Perform step rate test w/pressure bombs @ 3785'
- 10) RDMO Cardinal Surveys & Elite Well Service
- 11) Back flow well
- 12) Evaluate step rate test.
- 13) POOH & LD production tbg & pkr.
- 14) MIRU Reverse unit package & MOC 2 3/4" workstring.
- 15) RIH w/8 3/4" MT bit, XO, 6 - 4 3/4" DC's, & 2 3/4" tbg. Drill out CIBP @ 5000'. Circulate well clean. RIH & tag new PBTD @ +/- 6265'. POOH & LD tbg & BHA.
- 16) Drift, inspect & tally 7" 26# & 29# P110 csg. (3200' from MOC Yard, 3000' of 26# csg from Smith Bros)
- 17) MIRU csg crew & PU machine. RIH w/csg as follows:

1	Weatherford Float Shoe	0.68'
1	7" 29# P110 LT&C Csg	39.66'
1	Weatherford Float Collar	1.02'
*77	7" 29# P110 LT&C Csg	3064.60'
*77	7" 26# P110 LT&C Csg	3064.60'
2	7" 29# P110 LT&C Csg	79.60'
	Total	6250.16'
	Less above KB	2.50'
	Csg set @	6247.66'

(*) - Estimated

- 18) PU BOP & set 7" csg slips inside 11" spool. NU BOP & cmt head.
- 19) Cmt w/600 sks Class H w/additives (yd @ 2.58 cuft/sk @ 11.7 PPG). Tail w/320 sks Class-H Neat (yd @ 1.20 cuft/sk @ 15.6 PPG). Drop wiper plug & displace cmt.
- 20) WOC 24 hrs.
- 21) MIRU WL. RIH w/3 1/2" slick guns & perforated Delaware @ selected perfs.
- 22) RDMO WL.
- 23) RIH w/3 1/2" x 7" AD1 plastic coated pkr & 3 1/2" 9.3# J55 IPC 1505 tbg.
- 24) Displace annulus w/2% KCL & pkr fluid.
- 25) Set pkr w/25 pts tension @ 100' from top perf & test pkr to 300#.

WORKOVER PROCEDURE

- 26) ND BOP & NU 11" x 3K slip type flange & 3 1/2" 5K Stainless Master valve.
- 27) RDMO WS rig.
- 28) MIRU acid pump. Perform step rate test. Acidize Delaware Perfs w/10000 gals 10% KCL and 200% balls. SWI for 24 hrs & notify NMOC of intent to perform IPI test the following day.
- 29) MIRU Cardinal Surveys & acid pump. RIH w/pressure bombs to mid perf. Perform IPI test to obtain maximum surface injection pressure. RDMO Cardinal WL & acid pump.
- 30) MIRU pump truck & perform MIT.

* **CONTACT OED TO WITNESS TEST**

Directions:

From Carlsbad, NM: Go south on US 285 to between MM 10 & 9. Turn right (west) and follow road 0.4 miles. Turn right (north) and continue 0.4 miles to location.

Contacts:

BOP - Knight Oilfield Tools - (575) 393-9964
Racks, Catwalk, Matting Board, TBG - L&R - Victor (575) 748-5880
CSG - Smith Bros - Jim Scroggin (575) 746-7590
PKR - Hudson Packers - Troy Hudson (575) 631-5972
Frac Tanks - Stone - Scooter Wilson (575) 390-6716 or Abel (575) 631-3043
Float Equipment - (575) 746-8882
CMT & Pump truck - Par 5/Elite - Bill Caperton (575) 513-9474
Survey Truck - Cardinal Surveys (432) 580-8061
Vac Truck/Pump Truck - Basic - Dave Thompson (575) 390-1439
Vac Truck/Pump Truck - L&E - Lee (575) 200-6607

Mewbourne Oil Company

Well Name: San Lorenzo SWD #1 - Current
Updated by: J. Bryand

Date Updated: 7/5/2012

Spud Date: 12/10/79

Surface
20" 94#
Set @ 408'
750 sks "C" (110 sks to pit)

Intermediate
13 1/4" 61# K-55
Set @ 2,530'
3000 sks Lite + 300 sks "C"
(115 sks to pit)

Production
9 5/8" 57 1/2# N-80
Set @ 9730' (Cut & Pulled from 2044')
Stage 460 sks TLW + 250 sks "H"
Set 34 sks above DV (tool)
Stage 1800 sks HLC + 150 sks "H"
TOL @ 2280' (CBL)
DV Tool @ 7699'

CIBP Set @ 5600' (capped w/35' cmt)

CIBP Set @ 6300' (capped w/35' cmt)

CIBP Set @ 7500' (capped w/35' cmt)

CIBP Set @ 8850' (capped w/35' cmt)

CIBP Set @ 9200' (capped w/35' cmt)

CIBP Set @ 11790' (capped w/35' cmt)

CIBP Set @ 12195' (capped w/35' cmt)

Open Hole
4 1/2" Hole
Set @ 12775'
100' Class "H" from
12675' - 12775'

Tbg Detail:

1	3 1/2" x 9 1/4" AD-1 pkr w/60k shear (OD & ID PC)	4.22'
80	3 1/2" 9.3# J-55 IPC w/1505 tbg	2574.70'
	Total Tbg	2578.92'
	KB Corr	20.00'
	Tbg Set @	2598.92'

Perfs:

Top	Bottom	Duration
2610	2630	20'
2646	2696	50'
2757	2787	30'
2870	2950	80'
2968	2988	20'
3006	3026	20'
3070	3140	70'
3206	3216	10'
3258	3268	10'
3282	3292	10'
3316	3326	10'
3470	3500	30'
3517	3537	20'
3640	3650	10'
3664	3674	10'
3682	3692	10'
3703	3789	86'
3819	3839	20'
3848	3888	40'
3958	3978	20'
4003	4023	20'
4043	4063	20'
4080	4095	15'

Delaware Perfs
2610'-4095'

Bone Springs Perfs
6361'-6383'

7148'-7164'

7692'-8012'

8912'-8920'

Liner
7 1/4" Liner
Set @ 12195'
TOL @ 9245'
(circ 820 sks Gas Check cmt)
11064'-11080'
11864'-11916'

Mewbourne Oil Company

Well Name: San Lorenzo SWD #1 - Proposed
Updated by: J. Bryant

Date Updated: 7/5/2013

Spud Date: 12/10/79

Surface
20" 94#
Set @ 405'
750 sks "C" (110 sks to pit)

Intermediate
13 1/4" 61# K-55
Set @ 2,530'
2000 sks Lite + 300 sks "C"
(115 sks to pit)

Intermediate
5 1/2" 53 1/2# N-80
Set @ 9730' (Cut & Pulled from 1044')
1st stage 460 sks TLAV + 250 sks "H"
(Pipe 54 sks above DV tool)
2nd stage 1800 sks HL C + 150 sks "H"
BOL @ 2280' (CBL)
DV Tool @ 7699'

Production
2 1/2" 26# & 29# P110
Set @ approx 6200'

OBP Set @ 6300' (capped w/35' cmt)

OBP Set @ 7500' (capped w/35' cmt)

OBP Set @ 8850' (capped w/35' cmt)

OBP Set @ 9200' (capped w/35' cmt)

OBP Set @ 11790' (capped w/35' cmt)

OBP Set @ 12195' (capped w/35' cmt)

Open Hole
Set @ 12775'
Good 100' Class "H" from
12775' - 12778'

Tbg Detail:

1	3 1/2" x 7" AD-1 pkr w/60k shear (OD & ID PC)	4.22'
*120	3 1/2" 9.3# J-55 IPC w/1505 tbg	3362.05'
	Total Tbg	3366.27'
	KB Corr	20.00'
	Tbg Set @	3386.27'

Csg Detail:

1	Weatherford Float Shoe	0.68'
1	7" 29# P110 LT&C Csg	39.66'
1	Weatherford Float Collar	1.02'
*77	7" 29# P110 LT&C Csg	3064.60'
*77	7" 26# P110 LT&C Csg	3064.60'
2	7" 29# P110 LT&C Csg	79.60'
	Total	6250.16'
	Less above KB	2.50'
	Csg set @	6247.66'

* - estimated

Delaware Perfs

2610'-4095'

Undetermined Perfs

Bone Springs Perfs

6361'-6383'

7148'-7164'

7692'-8012'

8912'-8920'

Liner

7 1/2" Liner

Set @ 12195'

TOL @ 9245'

(cmt 820 sks Gas Check cmt)

11064'-11080'

11864'-11916'