

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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. 30-015-43316
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☒ SWD		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Owl SWD Operating, LLC		6. State Oil & Gas Lease No.
3. Address of Operator 8214 Westchester Dr., Ste.850, Dallas, TX 75225		7. Lease Name or Unit Agreement Name Mills Ranch SWD
4. Well Location Unit Letter L : 2491 feet from the South line and 1148 feet from the West line Section 7 Township 23-S Range 31-E NMPM County Eddy		8. Well Number 001
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3303' G.L.		9. OGRID Number 308339
		10. Pool name or Wildcat SWD; Devonian

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 ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐ Casing Mods ☐

SUBSEQUENT REPORT OF:

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

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

This casing design of this well has been altered to conform to BLM guidelines.

DEPTHS HAVE NOT BEEN ALTERED. Cement volumes may be adjusted to accommodate pipe specs and are shown on the attached documents.

Updated pipe specifications and wellbore diagram are attached.

(Attachments follow.)

Spud Date:

~ 12/15/2015

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE Agent/consultant

DATE 12/08/2015

Type or print name

E-mail address: ben@sosconsulting.us

PHONE: 903-488-9850

For State Use Only

APPROVED BY:

TITLE

DATE

12/16/2015

Conditions of Approval (if any):

**OWL Mills Ranch SWD #1
Eddy County, NM**

CASING DETAIL

Size	Weight (lbs/ft)	Grade	Connection	OD (in)	Drift Diameter (in)	TVD / Length (ft)	Interval	MW Set In (ppg)	Weight (In Air) Section (lbs)	Weight (In Air) Cumulative (lbs)	Weight (Bouyed) Section (lbs)	Weight (Bouyed) Cumulative (lbs)
CONDUCTOR												
30		2/B LP	Welded	30	26	0 - 80	0 - 80	NA	NA	NA	NA	NA
SURFACE												
20	94	J/K-55	STC	21.000	17.5	0 - 450	0 - 450	9.5	42300	42300	36070	36070
INTERMEDIATE												
13 3/8	68	HCP-110	STC	14.375	12.25	0 - 3,950	0 - 3,950	10.2	268800	268800	226124	226124
INTERMED 2												
9 5/8	53.5	HCL-110	LTC	10.625	8.5	0 - 11,800	0 - 11,800	9.8	831300	831300	537339	537339
LINER												
7 3/4	48.1	P-110	UFJ	7.750	6.5	11,300 - 15,600	11,300 - 15,600	14.5	198230	198230	153667	153667
TBG												
5 1/2	20	P-110	BTC	6.050	4.767	0 - 15,550	0 - 15,550	8.6	311000	311000	269533	269533

Size	Weight (lbs/ft)	Grade	Connection	Collapse (psi)	Burst (psi)	Tension (M lbs)
CONDUCTOR						
30	0.0	2/B LP	Welded	NA / NA	800 / NA	NA / NA
SURFACE						
20	94.0	J/K-55	STC	REQ'D 1.125 520 / 13.49	2110 / 11.11	824 / 18.48
INTERMEDIATE						
13 3/8	54.5	HCP-110	STC	REQ'D 1.125 2910 / 12.07	6910 / 11.38	1297 / 14.83
INTERMED 2						
9 5/8	53.5	HCL-110	LTC	REQ'D 1.125 8850 / 11.50	10900 / 12.18	1422 / 12.86
LINER						
7 3/4	48.1	P-110	UFJ	REQ'D 1.125 14990 / 11.27	14430 / 12.89	1109 / 15.59
TBG						
5 1/2	20.0	P-110	BTC	REQ'D 1.125 11100 / 11.80	12360 / 12.47	641 / 12.08

 CALCULATED VALUES

ASSUMPTIONS:

SURFACE-	1. COLLAPSE - 2/3 EVACUATED 2. BURST - 1,000 PSI TEST PRESSURE 3. TENSION IN AIR
INTERMEDIATE	1. COLLAPSE - 2/3 EVACUATED 2. BURST - 5000 PSI 3. TENSION IN AIR

100% 46

RT 2	1. COLLAPSE FULLY EVACUATED 2. BURST - 1.0 - 5,000# MASP 3. TENSION IN MUD
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3558.88

LINER	1. COLLAPSE FULLY EVACUATED 2. BURST - 1.0 - 5,000# MASP 3. TENSION IN AIR
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5402.592

TBG	1. COLLAPSE FULLY EVACUATED 2. BURST - 1.0 - 5,000# MASP 3. TENSION IN AIR
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12/9/2015

ICW

PROPOSED WELLBORE

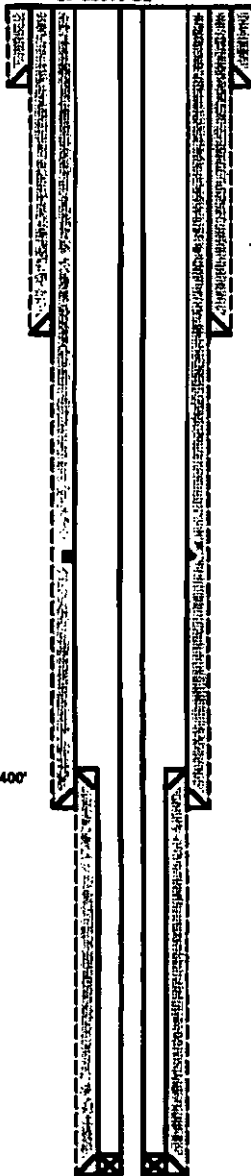


WELL NAME: MILLS RANCH SWD #1
 FIELD: SWD (DEVONIAN)
 LOCATION: 970' FNL & 208' FEL
Sect 7, T-23S, R-31E
 COUNTY/STATE: Eddy/NM

SPUD: _____
 RIG RELEASE: _____
 COMP. DATE: _____
 DRILLING RIG: _____

AP# 30-015-41590
 AFE# _____

KB: 3,327' GL: 3,299'
28' above GL



SURFACE CASING

DEPTH: 450' SIZE: 20" WT: 94 GRADE: BTC BIT SIZE: 26"
 CEMENT: 1100 ex. Class C cmt + 2% CaCl + 0.25 pps Celloflake. Cement circulated to surface.

1st INTERMEDIATE CASING

DEPTH: 3,950' SIZE: 13-3/8" WT: 68 GRADE: STC BIT SIZE: 17-1/2"
 CEMENT: Lead: 3200 ex Howco Lite + 5% Salt Tail: 450 ex Class C cmt
Circulate cmt to surface.

DV TOOL: na

2nd INTERMEDIATE CASING

DEPTH: 11,600' SIZE: 9-5/8" WT: 54 GRADE: LTC BIT SIZE: 12-1/4"
 CEMENT: Two Stage Cmt Job: Stg 1 - Lead: 825 ex HLC cmt. Tail: 100 ex Cl H cmt. . Stg 2 - Lead: 1325 ex HLC. Tail: 100 ex Cl H.
Circ cmt to surface.

DV TOOL: 7,400'

LINER

DEPTH: 11,400' - 15,550' SIZE: 7-3/4" WT: 46.1 GRADE: UFJ BIT SIZE: 8 1/2"
 CEMENT: 325 ex Class H cmt + additives.

TUBING

DEPTH: 15,500' SIZE: 5-1/2" WT: 20 GRADE: BTC PKR: 15550

OPEN HOLE

TD - 17,000'