

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

WELL API NO. 30-025- 43360
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Kimberly SWD
8. Well Number 1
9. OGRID Number 308339
10. Pool name or Wildcat SWD; Devonian - Silurian - 97869

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐

2. Name of Operator
OWL SWD Operating, LLC

3. Address of Operator
8214 Westchester Drive, Suite 850, Dallas, TX 75255

4. Well Location
Unit Letter Lot I : 1450 feet from the South line and 287 feet from the East line
Section 31 Township 25S Range 37E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3010 GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

Change Casing design to match available weights and grades of pipe. Original design had:

1100' of 20" 106.5#
4550' of 13.375" 80.7#
10000' of 9.625" 53.5#

The new design will consist of

1100' of 1100' of 20" 94#
4550' of 13.375" 68#
10000' of 9.625" 47#

Spud Date:

Rig Release Date:

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

SIGNATURE Ramona K Hovey TITLE Consulting Engineer for OWL SWD Operating, LLC
DATE 02/06/2019

Type or print name Ramona K. Hovey E-mail address: ramona@longun.com PHONE: 512-600-1777

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 02/12/19

Conditions of Approval (if any):



OWL Kimberly SWD #1

Vertical Injection Interval - Fusselman, Montoya

Location - UL Lot 1, Sec. 31 T25S R47E

Lea County NM

TD

11400'

GL/KB

8010' / 8030'

Directions to Site - From Jal, NM - Head south on NM-205 S (trying Pan Road) for 0.9 miles. Turn left and continue for 0.4 miles. Location is on the left (North) side of this road. Lat/Long: 32.03356 / -103.19427

Geologic Tops (MD ft)

Section

Problems

Bit/BHA

Mud

Casing

Logging

Cement (HOLD)

Injection String

Rustler Anh. - 1,080'
Surface TD - 1,100'

Surface
Drill 24"
0' - 1100'
Set and Cement
20" Casing

Loss Circulation
Hole Cleaning
Wellbore stability
in the Red Beds
Anhydrite in the
Rustler

24" Tricone,
9-5/8" 5/6 5.0 1.83 MM w/ 17"
NBS,
17" IBS, UBHO
2 jts: 8" NMDC, SS,
6 jts: 8" DC,
9 jts: 6-1/2" DC,
4-1/2" DP to surface

Spud Mud
MW < 9.0

1100' of 20" 94# J55 BTC
Centralizers - bottom 2
joints and every 3rd jt
thereafter, Cement basket
5th jt from surface

No Logs

Thixotropic Cement
13.7 ppg
Class C, 4hr TT
100% Excess
1000psi CSD after 10hrs
Cement to Surface

Tansill - 2,719'
Yates - 2,850'
Seven Rivers - 3,040'

1st Intermediate
Drill 3450' of
17-1/2" Hole
1100' - 4450'
Set and Cement
13-3/8" Casing in 2
stages to isolate the
Capitan Reef

Loss Circulation in
Captain Reef
Possible H2S
Anhydrite
Salt Sections

17-1/2" PDC,
9-5/8" 5/6 5.0 1.83 MM w/ 17"
NBS,
17" IBS, UBHO
2 jts: 8" NMDC, SS,
6 jts: 8" DC,
9 jts: 6-1/2" DC,
4-1/2" DP to surface

Saturated
Brine
MW < 9.5

5M A Section Casing Bowl
4550' of 13-3/8" 68# HC80
BTC
Centralizers - bottom jt,
every 3rd joint in open hole
and 2 jt inside the surface
casing

Mudlogger
on site from
under
surface
shoe'

Stage 2:
13.7ppg Class H 5hr TT
50% XS
1000psi CSD after 10 hrs
Cement to Surface
Stage 1:
13.7 ppg Class H 6hr TT
50% XS
1000psi CSD after 10 hrs
DV Tool @ 6100'

9900' of 5-1/2"
17# L80 LTC TIPIC
NOV TK805
Internally Coated
Injection Tubing
with KC
Connection

Bone Springs - 5,570'
DV TOOL - 6,100'

2nd Intermediate
Drill 5450' of
12-1/4" Hole
4450' - 10000'
Set 9-5/8" Intermediate
Casing and Cement in 2
Stages

Seepage to
Complete Loss
Water Flows
Some Anhydrite
H2S possible
Production in the
Bone Spring and
Wolfcamp

12-1/4" PDC,
8" 7/8 4.0 1.83 FBH MM w/ 12"
NBS
12" IBS, UBHO,
2 jts: 8" NMDC, SS,
6 jts: 8" DC,
9 jts: 6-1/2" DC,
4-1/2" DP to surface

<12.5 ppg
OBM
High Vis
Sweeps and
Mud Caps for
Tripping

10M B Section
10000' of 9-5/8" 47# HCL80
BTC
DV tool & ECP set at 6100'
Centralizers - bottom jt,
100' aside of DV tool, every
3rd joint in open hole and 4
within the surface casing

MWD GR
Triple
combo +
CBL of 13-
3/8" Casing

Stage 2:
13.7ppg Class H 5hr TT
50% XS
1000psi CSD after 10 hrs
Cement to Surface
Stage 1:
15.6 ppg Class H 6hr TT
50% XS
1000psi CSD after 10 hrs
Cement to DV Tool @
6100'

9-5/8" X 5-1/2"
Permanent Packer
with High Temp
Elastomers and
Stainless or Nickel
Trim

Fusselman - 10,792'

Injection Interval
Drill 1400' of 6-3/4" hole
10000' - 11400'

Chert and pyrite
are possible
Loss of Circulation
is expected

6-3/4" PDC
6-3/4" 7/8 6.0 1.83 FBH MM,
w/ 8" NBS,
6-3/4" Float Sub, UBHO
2 jts: 6-3/4" NMDC,
9 jts: 6-1/2" DC, 6-1/2" Jars,
2 jts: 6-1/2" DC, HWDP,
5" DP to surface

Fresh Water
inless flows
taken

Openhole completion

MWD GR
Triple
Combo with
FMI, CBL of
9-5/8"

Displace with 3% KCl (or
heavier brine if necessary)

Montoya - 11,350'
TD- 11,400'