

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

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

DEC 30 2013

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. 30-025-03630
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator EOR Operating Company		6. State Oil & Gas Lease No.
3. Address of Operator 200 N. Loraine, STE 1440 Midland, X 79701		7. Lease Name or Unit Agreement Name Crossroads
4. Well Location Unit Letter <u>G</u> : <u>1650</u> feet from the <u>N</u> line and <u>1650</u> feet from the <u>E</u> line Section <u>34</u> Township <u>09S</u> Range <u>36E</u> NMPM County <u>Lea</u>		8. Well Number <u>102</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 257420
		10. Pool name or Wildcat Crossroads, Siluro 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: Sidetrack ☒

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.

MIRU Eline unit. Run casing to evaluate 5 1/2" production liner, set CIBP on top of fish (tubing stuck) and dump 35' of cement on top.
RDMOL w/eline unit.
MIRU pulling unit. Run, orient and set 5 1/2" whipstock at 10,880'. RDMOL w/pulling unit.
MIRU WO rig. Cut window in 5 1/2" casing and dress off. Sidetrack and drill to new BHL at 12,330'.
Log and evaluate formation.
Run 3 1/2" liner and cement in place. Clean out liner and test. RDMOL w/ WO rig.
MIRU pulling unit. Perforate Devonian Formation (Interval to be determined).
Swab test perforations.
Stimulate as necessary.
Swab back stimulation volumes.
Run sub pump on 2 7/8" production tubing.
Start pumping unit and return to production. RDMOL w/pulling unit.
*Wellbore diagrams are attached

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 Jana True TITLE Production Manager DATE 12/26/13

Type or print name Jana True E-mail address: jtrue@enhancedoilres.com PHONE: 432-242-4544

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE DEC 31 2013

Conditions of Approval (if any):

DEC 31 2013

CSU/SAWYER 102
WELBORN SCHEMATIC

8/2013

17 1/2
13 3/8 x 48" @ 338

12 1/4

TOL = 4100 ft

9 9/8 x 36" @ 4160

perf 4130; 502 w/ 100 SXS HOWCO Thin Mix + 100 SXS
Class 'C'; unable to locate slurry volume, use C of 0% gel

$\therefore (200 \text{ SXS} \times 1.32 \text{ CF/SXS}) = 264 \text{ CF}$

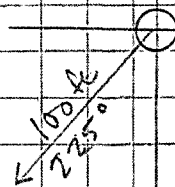
$\Delta L = 264 \text{ CF} / 0.43657 \text{ CF/ft} = \pm 605 \text{ ft}$

4674 - 4679 , . . . ft

8 3/4

5 1/2" x 17 1/2" @ 12182

35DU SAWYER 102 S/T 01
30-025-03630
11650 FNL/11650 FEL
SEC 34-79S-R36E
EL 4029'



5 1/2

Toc c 10670' ±

± 10800

3 1/2

± 10870

± 12176

± 12326

TOPS FORM 33041
MADE IN U.S.A.

150 ft

100 ft

Enhanced Oil Resources, Inc

Project: Lea County, NM
 Site: Sawyer 102 S/T
 Well: 102 S/T
 Wellbore: ST01
 Design: Plan #2

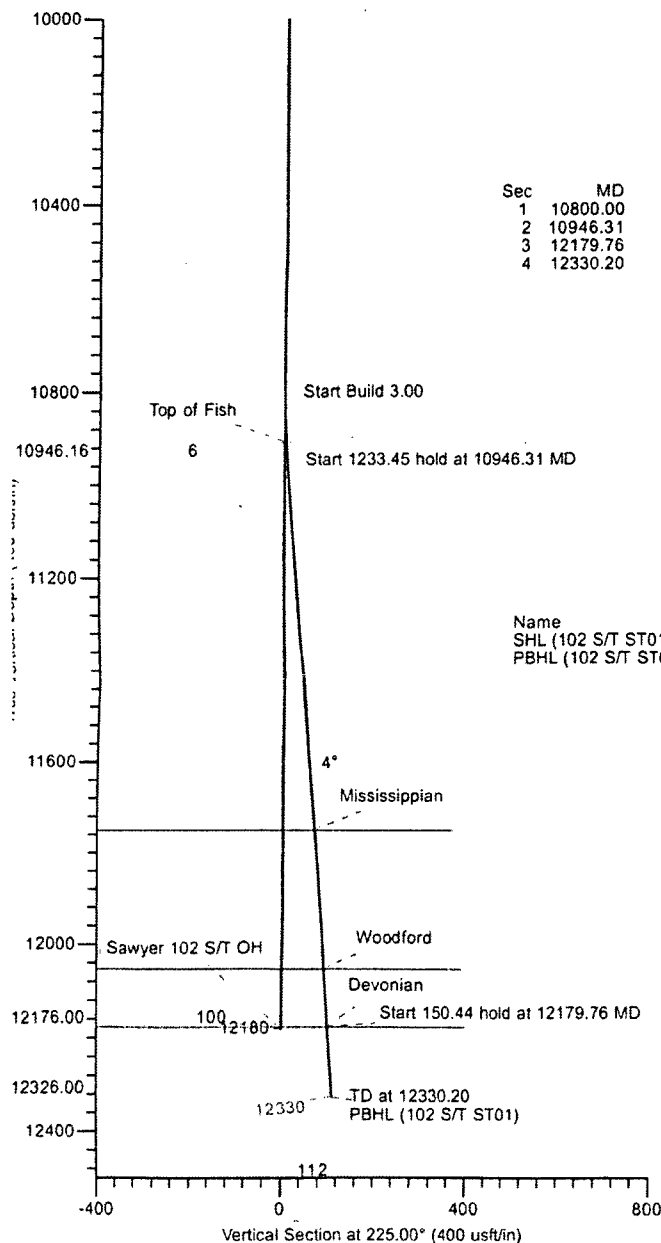
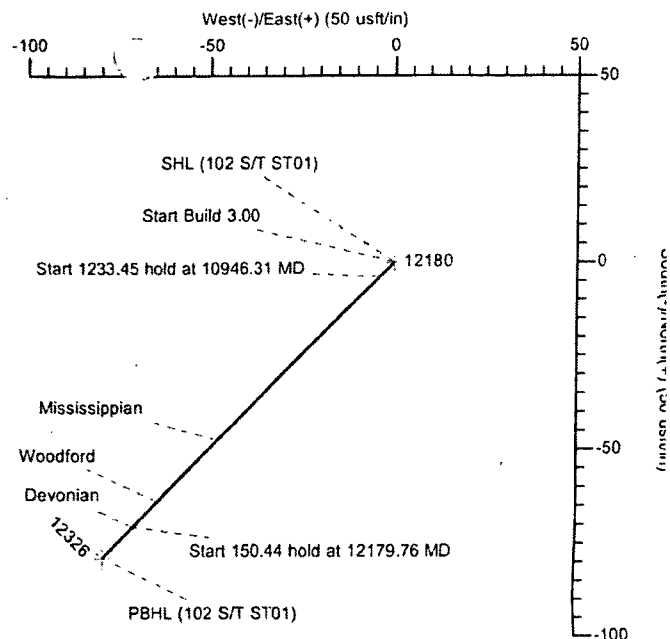


Azimuths to Grid North
 True North: -0.60°
 Magnetic North: 6.75°

Magnetic Field
 Strength: 49167.6snT
 Dip Angle: 61.35°
 Date: 10/09/2013
 Model: BGGM2013

PROJECT DETAILS: Lea County, NM

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico East 3001



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	10800.00	0.00	0.00	10800.00	0.00	0.00	0.00	0.00	0.00	
2	10946.31	4.39	225.00	10946.16	-3.96	-3.96	3.00	225.00	5.60	
3	12179.76	4.39	225.00	12176.00	-70.71	-70.71	0.00	0.00	100.00	
4	12330.20	4.39	225.00	12326.00	-78.85	-78.85	0.00	0.00	111.51	PBHL (102 S/T ST01)

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL (102 S/T ST01)	0.00	0.00	0.00	908746.00	833081.05	33° 29' 35.916 N	103° 14' 26.916 W
PBHL (102 S/T ST01)	12326.00	-78.85	-78.85	908667.15	833002.20	33° 29' 35.144 N	103° 14' 27.857 W



LEAM DRILLING SYSTEMS LLC
 2010 East Davis, Conroe, Texas 77301
 Phone: 936/756-7577. Fax: 936/756-7595

Plan: Plan #2 (102 S/T/ST01)
 Sawyer 102 S/T
 Created By: David Vogler
 Date: 12/31, October 09 2013