

New Mexico Oil Conservation Division, District 1
1625 N. French Drive
Hobbs, NM 88240

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.
NM-49936-~~Fee~~
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
EOR Operating Company

3a. Address
200 N. Loraine, Suite 1440
Midland, TX 79701

3b. Phone No. (include area code)
1(432)-687-0303

7. If Unit of CA/Agreement, Name and/or No.
Milnesand Unit

8. Well Name and No.
#119

9. API Well No.
30-041-10157

10. Field and Pool or Exploratory Area
MILNESAND SA

11. Country or Parish, State
Roosevelt, NM

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
UL-B, 990' FNL, 1651' FEL
Sec 12, T8S, R34E

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

EOR Operating respectfully request approval to plug and abandon this well according to the attached procedure and wellbore diagram.

NM-OCD ACO #265-A

*08/23/10-Filed Form C-103 notice of intention to plug and abandon well with the New Mexico OCD.
*08/25/10-Received approval from the New Mexico OCD. See attachments.

Est. Start date 09/15/10.

RECEIVED
SEP 27 2010
HOBBSCOCD
SUBJECT TO
APPROVAL
BY NMOC

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
L.A. Spittler, Jr.

Title Sr. Well Operations Supervisor

Signature

Date 09/08/2010

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/S/ DAVID R. GLASS ECF 9-27-10

Date

SEP 27 2010

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Rule 43A, U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Submit 1 Copy 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

October 13, 2009

RECEIVED

OIL CONSERVATION DIVISION

AUG 24 2010 1220 South St. Francis Dr.

HOBSOCD Santa Fe, NM 87505

| |
|---|
| WELL API NO. 30-041-10157 |
| 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No. 46930 |
| 7. Lease Name or Unit Agreement Name Milnesand Unit |
| 8. Well Number MSU # 114 |
| 9. OGRID Number 257420 |
| 10. Pool name or Wildcat Milnesand (San Andres) |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4262 DF |

| | |
|--|--|
| 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.) | |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> | |
| 2. Name of Operator EOR Operating Company | |
| 3. Address of Operator 200 N. Loraine, Suite 1440. Midland, TX 79701 | |
| 4. Well Location Unit Letter <u>B</u> : <u>990</u> feet from the <u>North</u> line and <u>1651</u> feet from the <u>East</u> line Section <u>12</u> Township <u>8S</u> Range <u>34E</u> NMPM County <u>Roosevelt</u> | |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4262 DF | |

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 ☐

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

OCD ACR#-265-A

EOR Operating respectfully request approval to plug and abandon this well according to the attached procedure and wellbore diagram.

Est. Start date: 9/1/10

The Oil Conservation Division **Must be notified**
24 hours prior to the beginning of plugging operations.

Start Date:

Rig Release Date:

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

SIGNATURE [Signature] TITLE Sr. Well Operations Supervisor DATE 8/23/10

Type or print name L.A. Spittler, Jr. E-mail address: lspittler@enhancedoilres.com PHONE: 432-688-0303

For State Use Only

APPROVED BY: [Signature] TITLE Staff MGR DATE 8-25-10

Conditions of Approval (if any):



Milnesand Unit Well # 114
Plug and Abandonment
API#:30-041-10157
Roosevelt Co, NM

Procedure

1. Notify the NM OCD 24 hours in advance prior to commencing plug and abandonment operations. ✓
2. Prepare location. Test anchors.
3. Hold PJSA prior to beginning work each morning and as required for specific operations.
4. MIRU rig. NDWH. TOH w/rods & pump.
5. NU and test BOP's. TOH. Laying down production tbg. ✓
6. RIH w/ 4 1/2" CIBP and set CIBP @ 4550'. Dump bail 35' of cement on top of CIBP @ 4550'. Wait on cement and tag. (Plug within 100' of top perforation @ 4609'). ✓
7. Load well with plugging mud and conduct MIT to 500 psi, test for leak off. Bleed pressure off after MIT. ✓
8. TIH w/tbg to 4450' and spot a 25 sx cement plug. TOH. Wait on cement and tag plug.
9. TIH ~~w/tbg~~ ^{Perf 2} to 2716' and ~~spot~~ ^{SP} a 25 sx cement plug. TOH. Wait on cement and tag plug. (Base of salt @ 2666').
10. TIH ~~w/tbg~~ ^{Perf 2} to 2240' and ~~spot~~ ^{SP} a 25 sx cement plug. TOH. Wait on cement and tag. (Top of salt @ 2190').
11. TIH ~~w/tbg~~ ^{Perf 2} to 429' and ~~spot~~ ^{SP} a 25 sx cement plug. TOH. Wait on cement and tag plug. (8 5/8" csg shoe @ 379'). @325'
12. TIH w/tbg and tag plug. Spot cement plug, circulate to surface. TOH.
13. RDMO, Install dry hole marker and cut off dead man. Restore location.

Contacts

Production Supervisor
Marci Galindo
Cell-1-575-703-7787

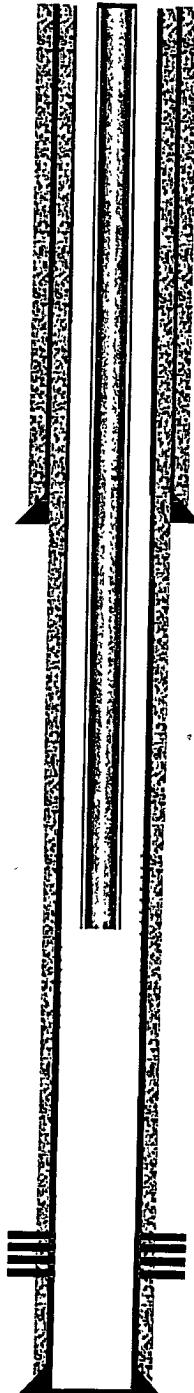


EOG
OPERATING COMPANY

EXISTING WELLBORE DIAGRAM

Elev: 4249' GR

Milnesand Unit Well # 114
API #: 30-041-10157
UL: B, 990' FNL & 1651' FEL.
Sec 12, T8S-R34E
Roosevelt, NM
Spud date: 12/28/63.
Completed date: 02/17/58.



8 5/8", 20# csg @ 379'.
cmt w/ 250 sxs.
Circulated to surface.
12 1/4" hole.

TOC @ 3917.
Temp Survey. ✓

Perforations:
4609'-4644' 3/8" hole 1 JSPF

PBTD: 4665'
TD: 4700'

4 1/2", 9.5 csg @ 4687'.
cmt w/200 sxs.
7 7/8" hole.

| | | | | |
|---------------------|--------------------|---------------------|----------------|--------------|
| Well Name & Number: | MSU #114 | Lease: | Milnesand Unit | |
| County or Parish: | Roosevelt | State/Prov. | NM | Country: USA |
| Prepared By: | L.A. Spittler, Jr. | Last Revision Date: | 8/23/2010 | |



PROPOSED P&A WELLBORE DIAGRAM

Milnesand Unit Well # 114
 API #: 30-041-10157
 UL:B, 990' FNL & 1651' FEL.
 Sec 12. T8S-R34E
 Roosevelt, NM
 Spud date:12/28/63.
 Completed date:02/17/58.

Elev: 4248' GR

Cmt plug from 137' to surface.

8 5/8", 20# csg @ 379'.
 cmt w/ 250 sxs.
 Circulated to surface.
 12 1/4" hole.

THG PLUG @ 325'
PERF @ 425'
 25 ex Cmt plug @ 429'.
 (8 5/8" csg shoe @ 379')

PERF @ 2240'
 25 ex Cmt sqz & plug @ 2240'.
 (Top of salt @ 2190')

PERF @ 2716'
 25 Cmt plug @ 2716'.
 (Base of salt @ 2666')

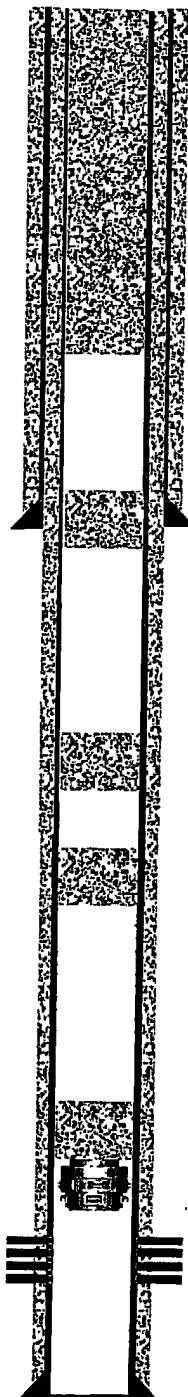
TOC @ 3917.
 Temp Survey.

4 1/2" CIBP set @ 4550'.
 w/ 35' cmt plug on top of CIBP.

Perforations:
 4609'-4644' 3/8" hole 1 JSPF

PBTD: 4665'
 TD: 4700'

4 1/2", 9.5 cs
 cmt w/200 sxs.
 7 7/8" hole.



| | | | |
|---------------------|--------------------|---------------------|----------------|
| Well Name & Number: | MSU #114 | Lease: | Milnesand Unit |
| County or Parish: | Roosevelt | State/Prov. | NM |
| Country: | USA | | |
| Prepared By: | L.A. Spittler, Jr. | Last Revision Date: | 8/23/2010 |

Milnesand Unit Well # 114
 Plug and Abandonment
 API#:30-041-10157
 Roosevelt Co, NM

Current Wellbore Information

TD: 4700' PBTD:4665'
 GL:4249' GR.

| Casing | OD | Weight | Depth Set | TOC |
|------------|--------|--------|-----------|---------|
| Surface | 8 5/8" | 20# | 379' | Surface |
| Production | 4 1/2" | 9.5# | 4687' | 3917' |

| Perforations | Top Perf | Bot Perf | Status |
|--------------|----------|----------|--------|
| San Andres | 4609' | 4644 | Open |

| Formation Tops | Top | Bottom |
|-----------------|-------|--------|
| Red Bed | 390' | 1754' |
| Red Bed/Anhy | 1754' | 2130' |
| Anhy | 2130' | 2190' |
| Salt | 2190' | 2523' |
| Anhy/Salt | 2523' | 2666' |
| Anhy | 2666' | 3540' |
| Anhy/Limestone | 3540' | 4187' |
| Limestone | 4187' | 4590' |
| Shale/Limestone | 4590' | 4621' |
| Limestone | 4621' | 4700' |