

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

|   |
|---|
| WELL API NO.<br>30-005-10570  |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No.  |
| 7. Lease Name or Unit Agreement Name<br>CATO SAN ANDRES UNIT  |
| 8. Well Number 59   |
| 9. OGRID Number 183718  |
| 10. Pool name or Wildcat<br>CATO SAN ANDRES - 10540   |

|   |   |
|---|---|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(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<br>United Heritage New Mexico Corp.   |   |
| 3. Address of Operator<br>200 N. Loraine, Suite 400, MIDLAND, TX 79701  |   |
| 4. Well Location<br>Unit Letter: <u>N</u> <u>660'</u> feet from the <u>SOUTH</u> line and <u>1980'</u> feet from the <u>WEST</u> line<br>Section <u>10</u> Township <u>8-S</u> Range <u>30-E</u> NMPM CHAVES County |   |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)  |   |
| Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>  |   |
| 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 ☐

OTHER: ☐

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 1) RIH to 75' above the top perf.
- 2) Set CIBP & Spot 35' Cmt Plug on top of CIBP OR Spot a 25 sx Plug in lieu of CIBP.
- 3) WOC f/ 4 hrs. RIH & Tag Plug.
- 4) Pump 9.5 - 10 ppg Mud between Plugs.
- 5) RIH & Perf w/ Sqz Shots of 4-JSPF for a 1' Interval anywhere f/ 2,610' to 2,620'.
- 6) Attempt a 45 sx Sqz, If Unable to Sqz, GIH 25' & Spot a 25 sxs Cmt Plug.
- 7) WOC f/ 4 hrs. RIH & Tag Plug
- 8) Pump 9.5 - 10 ppg Mud between Plugs.
- 9) RIH & Perf w/ Sqz Shots of 4-JSPF for a 1' Interval anywhere f/ 1,400' to 1,550'.
- 10) Attempt a 45 sx Sqz, If Unable to Sqz, GIH 25' & Spot a 25 sxs Cmt Plug.
- 11) WOC f/ 4 hrs. RIH & Tag Plug
- 12) RIH & Perf w/ Sqz Shots of 4-JSPF for a 1' Interval anywhere f/ 500' to 600'. **550' SQZ. 50' OUT IN TAG @ 450'**
- 13) Attempt a 45 sx Sqz, If Unable to Sqz, GIH 25' & Spot a 25 sxs Cmt Plug.
- 14) WOC f/ 4 hrs. RIH & Tag Plug
- 15) Pump 9.5 - 10 ppg Mud between Plugs.
- 16) Spot Cmt f/ 60' to Surf or 10 sx Plug.
- 17) Cut Off Well Head & Cap 3' B.G.L. & Install a Dry Hole Marker.
- 18) Remove all Rig Anchors & Clean Location.

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

SIGNATURE: Jesse K. Lawson TITLE: Petroleum Engineer DATE: January 23, 2007

Type or print name Jesse K. Lawson E-mail address: jklawson@lothian.us Telephone No. 432-686-2451 **FEB 01 2007**

For State Use Only  
APPROVED BY: Harry W. Wink TITLE: OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE:   
Conditions of Approval (if any):

**CATO SAN ANDRES UNIT # 59**  
**CATO FIELD**

**Location:** 660' FSL & 1980' FWL, Unit N, Sec. 10, T-8-S, R-30-E  
NMPM, Chaves County, NM

Elevation: ~~4400'~~ KB: ?'

## TREATMENT HISTORY

| Date | Description |
|------|-------------|
|------|-------------|

12/19/66 IP'd flowed 127 BO plus 3 BAW in 12 hrs,  
18/64" chk. FTP 100.

12/18/66 Perf 3,380'-3,410' and 3,440'-3,464' w/1 JSPF,  
total 55 holes. Acidized w/120 BA  
and 46 BO, Swabbed 125 BF 9 hrs.

12/16/66 Ran 111 jts (3,578') of 4-1/2", 9.5#, J-55, 8rd  
Set Csg @ 3,588'. Cmt'd w/ 300 sxs of Incor 12  
PC gel w/5 lbs gilsonite and 1/4# flocele per sk  
200 sx Incor 1-1 Diamex, 2 PC gel w/10 lbs salt  
and 1/4 lb flocele.

**TOC @ 2120'**

12/7/66 Ran 22 jts (488') of 8-5/8", 28#, 8rd, Surf Csg.  
Set Csg at 499'.

Cmt'd w/ 300 sxs of Incor 2% CaCl and  
1/4# flosele per sk

**PBTD: 3,560'**  
**TD: 3,600'**

**Remarks:** State Lease No.: FEE

**Polish Rod:**

### Polish Rod Liner:

Pumping Unit:

**Spudded:** 12/7/1966

**Completed:** 12/20/1966

**API # : 30-005-10570**

12-1/4" Hole

**Casing:**

22 jts (488') of 8-5/8", 28#, 8rd, Surf Csg.

Set Csg at 499'.

Cmt'd w/ 300 sxs of Incor 2% CaCl and  
1/4# flosele per sk

**Tubing;**

**TOC @ 2120'**

**7-7/8" Hole**

**Rods:**

**PUMP:**

**Perforations:**  
**San Andres:**

3,380' - 3,410'

3,440'- 3,460' w/1 JSPF

**Casing:**

111 jts (3,578') of 4-1/2", 9.5#, J-55, 8rd, ST&C Prod Csg.

Set Csg @ 3,588'.

Cmt'd w/ 300 sxs of Incor 12 PC gel w/5 lbs gilsonite  
and 1/4# flocele per sk, 200 sx Incor 1-1 Diamex,  
2 PC gel w/10 lbs salt and 1/4 lb flocele.

**TOC @ 2120'**