

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

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

<p>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.)</p>		<p>WELL API NO. 30-015-04172</p>
<p>1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/></p>		<p>5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/></p>
<p>2. Name of Operator COG OPERATING LLC</p>		<p>6. State Oil & Gas Lease No.</p>
<p>3. Address of Operator 600 W. ILLINOIS, MIDLAND TX 79701</p>		<p>7. Lease Name or Unit Agreement Name ETZ STATE UNIT</p>
<p>4. Well Location Unit Letter <u>O</u> : <u>330</u> feet from the <u>SOUTH</u> line and <u>1980</u> feet from the <u>EAST</u> line Section <u>16</u> Township <u>17S</u> Range <u>30E</u> NMPM <u>EDDY</u> County</p>		<p>8. Well Number <u>116</u></p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3675' GR</p>		<p>9. OGRID Number 299137</p>
		<p>10. Pool name or Wildcat GRAYBURG JACKSON</p>

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

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

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.

1. NOTIFY NMOCDD 24 HRS. BEFORE MIRU.
2. MIRU. ND WH, NU BOPE.
3. SET CIBP@2450' AND SPOT 75SX OF CLASS "C" CEMENT FROM 2450'-2020'. WOC&TAG. (PERFS/QUEEN)
4. CIRCULATE 9.5 PPG MLF AND TEST CASING.
5. PERF@1090' AND SQUEEZE 25SX OF CLASS "C" CEMENT FROM 990'-1090'. WOC&TAG. (B.SALT)
6. PERF@595' AND SQUEEZE 30SX OF CLASS "C" CEMENT FROM 495'-595'. WOC&TAG. (SHOE/T.SALT)
7. PERF@60' AND SQUEEZE 20SX OF CLASS "C" CEMENT FROM SURFACE-60'. VERIFY CEMENT TO SURFACE. (FW/SURFACE).
8. CUTOFF WELLHEAD AND ANCHORS 3' BELOW SURFACE. TURN OVER FOR RECLAMATION.

CLOSED LOOP CONTAINMENT SYSTEM WILL BE USED FOR FLUIDS.

NM OIL CONSERVATION
ARTESIA DISTRICT

Spud Date: Rig Release Date: OCT 23 2017

Well Must Be Plugged By 10-23-17 RECEIVED

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

SIGNATURE M. Lee Roark TITLE AGENT DATE 10/17/17

Type or print name M. LEE ROARK E-mail address: Lee@JMRServices.com PHONE: (432)853-1725

For State Use Only

APPROVED BY: [Signature] TITLE STAFF Mgr DATE 10-23-17

Conditions of Approval (if any): * See Attached COA's

**WELLBORE DIAGRAM
ETZ STATE #116
CURRENT**

Created: 10/17/17 By: LEE R.
Updated: _____ By: _____
Lease: ETZ STATE
Field: GRAYBURG JACKSON
Surf. Loc.: 330' FSL & 1980' FEL
Bot. Loc.: _____
County: EDDY St.: NM
Status: _____

Well #: 116 Lse. B-936
API: 30-015-04172
Unit Ltr.: O Section: 16
TSHP/Rng: T17S / R301E
Pool Code: OGRID: 229137
Directions: _____

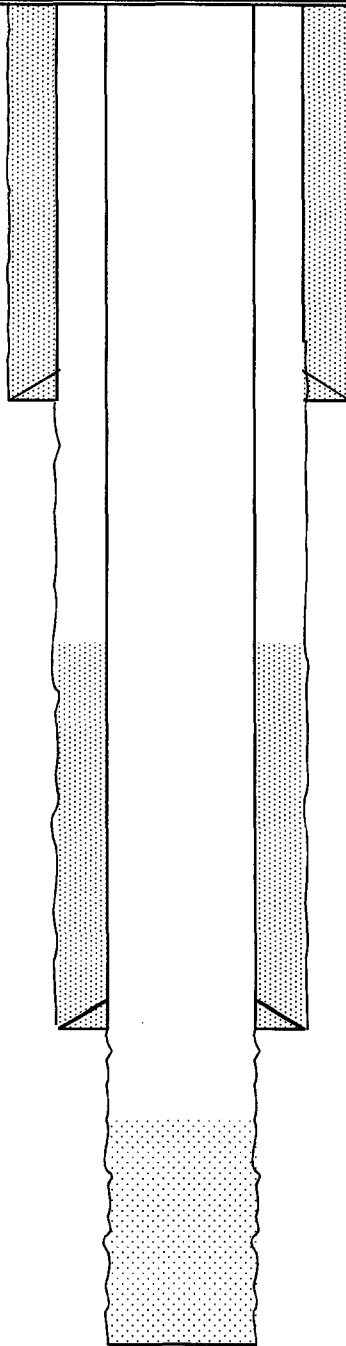
Surface Casing

Size: 8 5/8"
Wt., Grd.: 32#
Depth: 545'
Sxs Cmt: 65
Circulate: ?
TOC: ?
Hole Size: 11"

FORMATION TOPS	
T. Salt	<u>555'</u>
B. Salt	<u>1040'</u>

Production Casing

Size: 7"
Wt., Grd.: 24#
Depth: 2534'
Sxs Cmt: 50
Circulate: ?
TOC: ?
Hole Size: 7-7/8" EST.



Plugback to 2815' w/ gravel.

Grayburg Open Hole: 2534'-3271'

TD 3275'

**WELLBORE DIAGRAM
ETZ STATE #116
PROPOSED**

Created: 10/17/17 By: LEE R.
 Updated: By:
 Lease: ETZ STATE
 Field: GRAYBURG JACKSON
 Surf. Loc.: 330' FSL & 1980' FEL
 Bot. Loc.:
 County: EDDY St.: NM
 Status:

Well #: 116 Lse. B-936
 API: 30-015-04172
 Unit Ltr.: O Section: 16
 TSHR/Rng: T17S / R301E
 Pool Code: OGRID: 229137
 Directions:

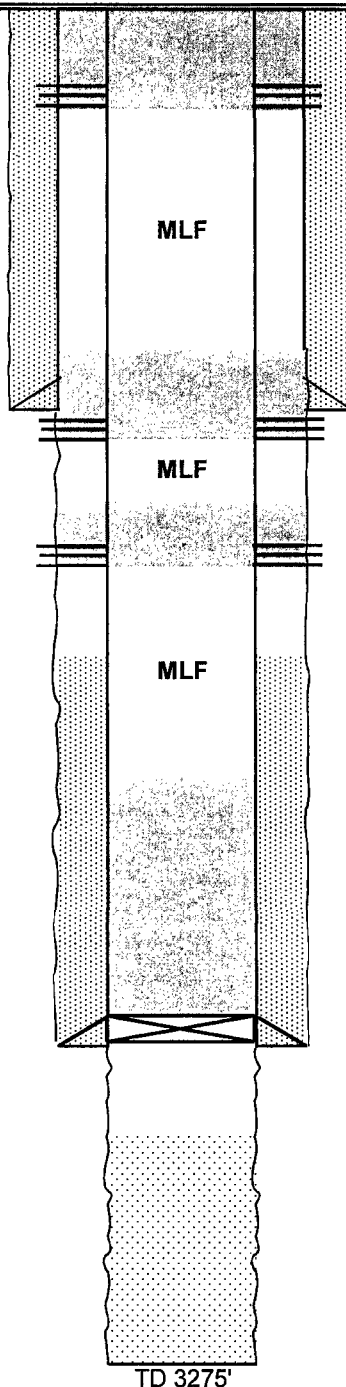
Surface Casing

Size: 8 5/8"
 Wt., Grd.: 32#
 Depth: 545'
 Sxs Cmt: 65
 Circulate: ?
 TOC: ?
 Hole Size: 11"

FORMATION TOPS	
T. Salt	555'
B. Salt	1040'

Production Casing

Size: 7"
 Wt., Grd.: 24#
 Depth: 2534'
 Sxs Cmt: 50
 Circulate: ?
 TOC: ?
 Hole Size: 7-7/8" EST.



**P&S 60'-SURFACE W/20SX OF CMT.
WOC&TAG. VERIFY CEMENT TO SURF.**

**P&S 595'-495' W/30SX OF CMT.
WOC&TAG. (T.SALT/SHOE)**

**P&S 1090'-990' W/25SX OF CMT.
WOC&TAG. (B.SALT)**

**CIBP@2450' + 75SX CMT. FROM 2450'-
2020' WOC&TAG. (PERES/Q)**

Plugback to 2815' w/ gravel.

Grayburg Open Hole: 2534'-3271'

TD 3275'

COG Operating LLC

Lease & Well # ETZ State Unit #116
API: 30-015-04172

Eddy County, NM
Sec. 16 T17S R30E, 330 FSL & 1980 FEL

Elevation - 3675'
Spud Date - 8/10/1937

