

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.<br>30-025-23460                                                                        |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br>312479                                                              |
| 7. Lease Name or Unit Agreement Name<br>NORTH VAC. ABO UNIT                                         |
| 8. Well Number 135                                                                                  |
| 9. OGRID Number 298299                                                                              |
| 10. Pool name or Wildcat<br>VACUUM; ABO, NORTH                                                      |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>4040 GR                                       |

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 ☐ Gas Well ☒ Other ☐

2. Name of Operator  
CROSS TIMBERS ENERGY, LLC

3. Address of Operator  
400 WEST 7th STREET, FORT WORTH, TX 76102

4. Well Location  
Unit Letter L : 1980 feet from the S line and 860 feet from the W line  
Section 11 Township 17-S Range 34-E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
4040 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 checked="" type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input 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.

4/30/2015  
REPAIRED PACKER/TGB. LEAK  
START PRESSURE 450, END PRESSURE 450  
MIT CHART ATTACHED

E-PERMITTING <SWD -- INJECTION>  
CONVERSION \_\_\_\_\_ RBDMS AD  
RETURN TO \_\_\_\_\_ TA \_\_\_\_\_  
INT to PA \_\_\_\_\_ P&A NR \_\_\_\_\_ P&A R \_\_\_\_\_

Spud Date:

05/19/1970

Rig Release Date:

06/16/1970

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

SIGNATURE Laura Stone TITLE Regulatory Compliance DATE 4/30/2015

Type or print name LAURA STONE E-mail address: rgrigg@mspartners.com PHONE: 817-334-7842  
For State Use Only

APPROVED BY: Mary Brown TITLE Dist Supervisor DATE 5/7/2015  
Conditions of Approval (if any):

MAY 08 2015

PRINTED IN U.S.A.

6 PM

MIDNIGHT

6 AM

NOON

M+S Graphic Controls  
Service

Unit # 18  
Pan & Lion

DATE 11-30-15  
BR 2221  
8:45 AM

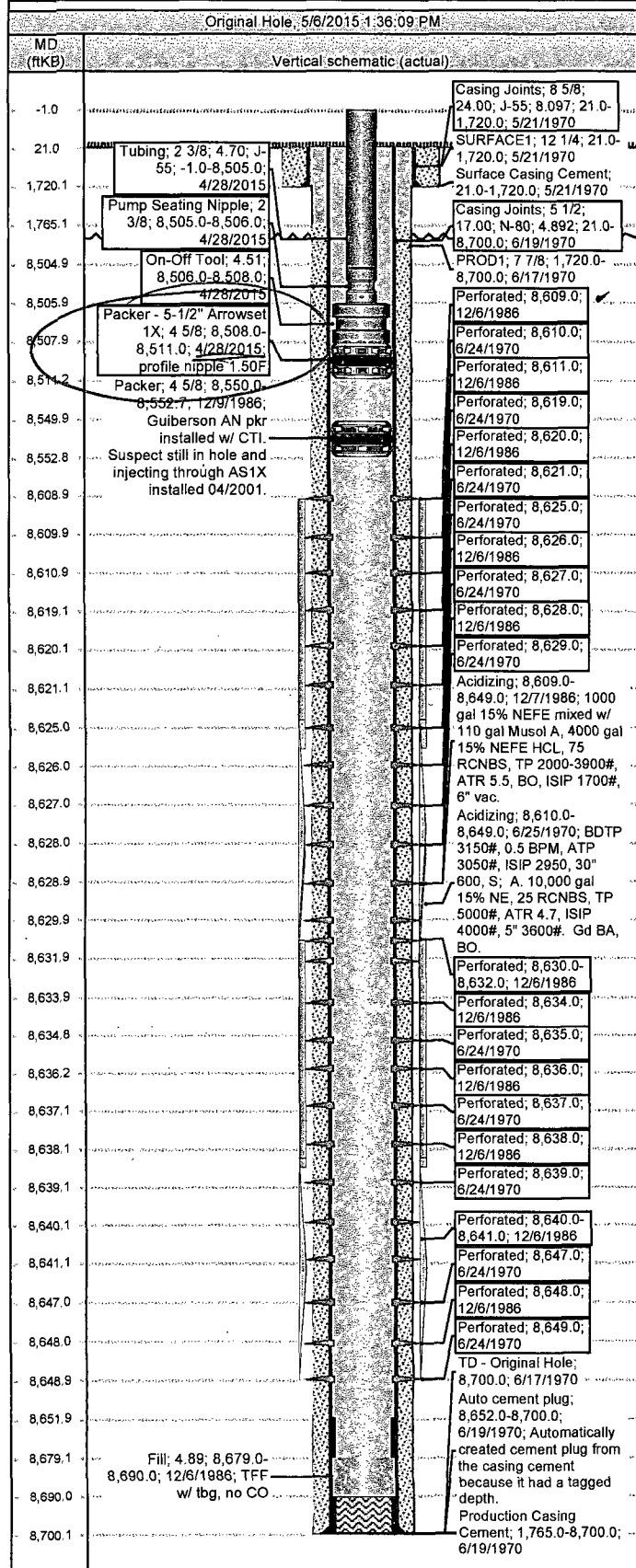
Operator Cross Members Electric LLC  
Vital 1000  
API 20-0025-23-4600  
US-IR-SEC-11-1-175-R-346  
Reason for Test TBD Risk Repair  
Start Press 450 Psi  
End Press 8:45 AM  
Time / Date 11-30-15  
CTE Supervisor Walter Brown  
OCD Inspector 11-30-15  
Chart Calc Info By Doc Meters

805A

805A

# Schematic & History

|                                        |  |                                                    |  |                                  |              |                              |                                   |                        |                                     |
|----------------------------------------|--|----------------------------------------------------|--|----------------------------------|--------------|------------------------------|-----------------------------------|------------------------|-------------------------------------|
| Well Name<br>NORTH VACUUM ABO UNIT 135 |  | API/UWI<br>3002523460                              |  | County<br>Lea                    |              | State/Province<br>New Mexico |                                   | Field Name<br>VACUUM N |                                     |
| Location<br>1980 FSL & 860 FWL         |  |                                                    |  | Township<br>17S                  | Range<br>34E | Section<br>11                | Latitude (°)<br>32° 50' 51.821" N |                        | Longitude (°)<br>103° 32' 13.771" W |
| Section                                |  | Survey                                             |  |                                  |              | Block                        |                                   | Township               | Abstract                            |
| Original KB Elevation (ft)<br>4,061.00 |  | Ground/Corrected Ground Elevation (ft)<br>4,040.00 |  | KB-Ground Distance (ft)<br>21.00 |              | Spud Date                    |                                   |                        |                                     |



## Jobs

| Type                                   | Start Date | Summary                                                                                                                                                                                                                                                                           |
|----------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drilling Original & Initial Completion | 5/19/1970  | D&C Abo producer; 4% OC while drilling 4258' to TD; Perf & A. Abo, BD, S. 35 BLO, 57 BNO, 6 BAW/5', A. 10k gal 15%, S. 35 BLO, 25 BNO, 100 BAW/8', 1700' FIH; 2D: S 40 BNO, 40 BA/6', F 66 BNO, 18 BAW/5', TP 50-75#, L hr 18% wtr, POP IP 172 BNO, 2 BAW/24', GOR 535, 37.7 API. |
| Repair Tbg Failure                     | 10/29/1984 | Pull rods & pmp, pmp OK, drop SV, no gd, fish, POOH tbg, RBIH, downsize pump, RTP.                                                                                                                                                                                                |
| Convert To Injection                   | 12/5/1986  | LD rods, pmp, TFF @ 8,679', POOH 2.5" and 2" tbg, re-perf Abo, A. Abo, WL set pkr, install tbg, circ. pkr fluid, perform MIT, turn to injection.                                                                                                                                  |
| Set Packer                             | 2/3/1987   | Att. tighten pkr, drop SV, tst tbg, hld, tst TCA, hld, RTI.                                                                                                                                                                                                                       |
| Repair Tbg/Pkr Failure                 | 11/15/1989 | POOH tbg, rplc SA, RTI.                                                                                                                                                                                                                                                           |
| Repair Tbg/Pkr Failure                 | 1/14/1990  | POOH tbg, SA, chg SA, RBIH hydrotstg, circ. pkr fluid, perform MIT, RTI.                                                                                                                                                                                                          |
| Repair Tbg Failure                     | 8/5/1997   | LD tbg, HIT due to under-deposit corrosion, hvy scd, RIH new tbg, SA, circ. pkr fluid, perform MIT, RTI.                                                                                                                                                                          |
| Repair Tbg/Pkr Failure                 | 3/10/2001  | POOH tbg, bad SA, RBIH hydrotstg, no leaks, circ. pkr, perform MIT, RTP.                                                                                                                                                                                                          |
| Repair Tbg/Pkr Failure                 | 4/26/2001  | POOH tbg, bad SA, Install new AS1X pkr, hydrotstg, no leaks, circ. pkr fluid, perform MIT, RTI.                                                                                                                                                                                   |
| Repair Tbg/Pkr Failure                 | 7/30/2001  | Rel OOT, POOH tbg, R&R OOT seal, RBIH hydrotstg, no leaks, circ. pkr fluid, perform MIT, RTI.                                                                                                                                                                                     |
| Test/Log/Profile                       | 9/29/2009  | Perform injection profile survey (no temp): 20% @ 8600-8620', 31% @ 8626', 41% @ 8626-8630', 0% 8630' and deeper. Velocity calculated drag slug due to slug sticking to csg.                                                                                                      |
| Repair Hole in Tubing                  | 4/27/2015  | RIH mule's tail to 8500', RIH swab cup to 4400', couldn't get through, POOH tbg, hole in top jt, POOH pkr, RTI.                                                                                                                                                                   |

## Wellbore Sections

| Section Des | Wellbore Name | Size (in) | Act Top (ftKB) | Act Btm (ftKB) | Start Date |
|-------------|---------------|-----------|----------------|----------------|------------|
| SURFACE1    | Original Hole | 12 1/4    | 21.0           | 1,720.0        | 5/19/1970  |
| PROD1       | Original Hole | 7 7/8     | 1,720.0        | 8,700.0        | 5/22/1970  |

## Surface 1,720.0 ftKB 5/21/1970

Comment

| OD (in) | Wt (lb/ft) | Grade | Top (ftKB) | Btm (ftKB) | Len (ft) | Item Des      |
|---------|------------|-------|------------|------------|----------|---------------|
| 8 5/8   | 24.00      | J-55  | 21.0       | 1,720.0    | 1699     | Casing Joints |

## Production 8,700.0 ftKB 6/19/1970

Comment

| OD (in) | Wt (lb/ft) | Grade | Top (ftKB) | Btm (ftKB) | Len (ft) | Item Des      |
|---------|------------|-------|------------|------------|----------|---------------|
| 5 1/2   | 17.00      | N-80  | 21.0       | 8,700.0    | 8679     | Casing Joints |

## Cement Stages

| Description              | Top (ftKB) | Btm (ftKB) | Top Meas Meth      | Comment                                                                               |
|--------------------------|------------|------------|--------------------|---------------------------------------------------------------------------------------|
| Surface Casing Cement    | 21.0       | 1,720.0    | Cement Returns     | Lead: 1100 sx Class A + 8% gel; Tail: 200 sx Class A + 2% CaCl, circ.                 |
| Production Casing Cement | 1,765.0    | 8,700.0    | Temperature Survey | Lead: 2900 sx TLW + 1/4 pps flocele in 1st 1,000sx; Tail: 200 sx Incon neat. No circ. |

*[Handwritten signature]*

| Original Hole, 5/6/2015 1:36:09 PM |                                                                                                                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MD (ftKB)                          | Vertical schematic (actual)                                                                                                                                                       |
| -1.0                               | Casing Joints; 8 5/8; 24.00; J-55; 8.097; 21.0-1.720.0; 5/21/1970                                                                                                                 |
| 21.0                               | SURFACE1; 12 1/4; 21.0-1.720.0; 5/21/1970                                                                                                                                         |
| 1,720.1                            | Surface Casing Cement; 21.0-1.720.0; 5/21/1970                                                                                                                                    |
| 1,765.1                            | Casing Joints; 5 1/2; 17.00; N-80; 4.892; 21.0-8.700.0; 6/19/1970                                                                                                                 |
| 8,504.9                            | PROD1; 7 7/8; 1,720.0-8,700.0; 6/17/1970                                                                                                                                          |
| 8,505.9                            | Perforated; 8,609.0; 12/6/1986                                                                                                                                                    |
| 8,507.9                            | Perforated; 8,610.0; 6/24/1970                                                                                                                                                    |
| 8,511.2                            | Perforated; 8,611.0; 12/6/1986                                                                                                                                                    |
| 8,549.9                            | Perforated; 8,619.0; 6/24/1970                                                                                                                                                    |
| 8,552.8                            | Perforated; 8,620.0; 12/6/1986                                                                                                                                                    |
| 8,608.9                            | Perforated; 8,621.0; 6/24/1970                                                                                                                                                    |
| 8,609.9                            | Perforated; 8,625.0; 6/24/1970                                                                                                                                                    |
| 8,610.9                            | Perforated; 8,626.0; 12/6/1986                                                                                                                                                    |
| 8,619.1                            | Perforated; 8,627.0; 6/24/1970                                                                                                                                                    |
| 8,620.1                            | Perforated; 8,628.0; 12/6/1986                                                                                                                                                    |
| 8,621.1                            | Perforated; 8,629.0; 6/24/1970                                                                                                                                                    |
| 8,625.0                            | Acidizing; 8,609.0-8,649.0; 12/7/1986; 1000 gal 15% NEFE mixed w/ 110 gal Musol A, 4000 gal 15% NEFE HCL, 75 RCNBS, TP 2000-3900#, ATR 5.5, BO, ISIP 1700#, 6" vac.               |
| 8,626.0                            | Acidizing; 8,610.0-8,649.0; 6/25/1970; BDTP 3150#, 0.5 BPM, ATP 3050#, ISIP 2950, 30" 600, S; A, 10,000 gal 15% NE, 25 RCNBS, TP 5000#, ATR 4.7, ISIP 4000#, 5" 3600#. Gd BA, BO. |
| 8,627.0                            | Acidizing; 8,610.0-8,649.0; 6/25/1970; BDTP 3150#, 0.5 BPM, ATP 3050#, ISIP 2950, 30" 600, S; A, 10,000 gal 15% NE, 25 RCNBS, TP 5000#, ATR 4.7, ISIP 4000#, 5" 3600#. Gd BA, BO. |
| 8,628.0                            | Perforated; 8,630.0-8,632.0; 12/6/1986                                                                                                                                            |
| 8,628.9                            | Perforated; 8,634.0; 12/6/1986                                                                                                                                                    |
| 8,629.9                            | Perforated; 8,635.0; 6/24/1970                                                                                                                                                    |
| 8,631.9                            | Perforated; 8,636.0; 12/6/1986                                                                                                                                                    |
| 8,633.9                            | Perforated; 8,637.0; 6/24/1970                                                                                                                                                    |
| 8,634.8                            | Perforated; 8,638.0; 12/6/1986                                                                                                                                                    |
| 8,636.2                            | Perforated; 8,639.0; 6/24/1970                                                                                                                                                    |
| 8,637.1                            | Perforated; 8,640.0-8,641.0; 12/6/1986                                                                                                                                            |
| 8,638.1                            | Perforated; 8,647.0; 6/24/1970                                                                                                                                                    |
| 8,639.1                            | Perforated; 8,648.0; 12/6/1986                                                                                                                                                    |
| 8,640.1                            | Perforated; 8,649.0; 6/24/1970                                                                                                                                                    |
| 8,641.1                            | Perforated; 8,649.0; 6/24/1970                                                                                                                                                    |
| 8,647.0                            | Perforated; 8,649.0; 6/24/1970                                                                                                                                                    |
| 8,648.0                            | Perforated; 8,649.0; 6/24/1970                                                                                                                                                    |
| 8,648.9                            | TD - Original Hole; 8,700.0; 6/17/1970                                                                                                                                            |
| 8,651.9                            | Auto cement plug; 8,652.0-8,700.0; 8/19/1970; Automatically created cement plug from the casing cement because it had a tagged depth.                                             |
| 8,679.1                            | Production Casing Cement; 1,765.0-8,700.0; 6/19/1970                                                                                                                              |
| 8,690.0                            | Fill; 4.89; 8,679.0-8,690.0; 12/6/1986; TFF w/ tbg, no CO                                                                                                                         |
| 8,700.1                            |                                                                                                                                                                                   |

| Perforations |            |                       |           |                    |                       |
|--------------|------------|-----------------------|-----------|--------------------|-----------------------|
| Top (ftKB)   | Btm (ftKB) | Shot Dens (shot/s/ft) | Date      | Zone               | Calculated Shot Total |
| 8,610.0      | 8,610.0    | 2.0                   | 6/24/1970 | ABO, Original Hole | 1                     |
| 8,619.0      | 8,619.0    | 2.0                   | 6/24/1970 | ABO, Original Hole | 1                     |
| 8,621.0      | 8,621.0    | 2.0                   | 6/24/1970 | ABO, Original Hole | 1                     |
| 8,625.0      | 8,625.0    | 2.0                   | 6/24/1970 | ABO, Original Hole | 1                     |
| 8,627.0      | 8,627.0    | 2.0                   | 6/24/1970 | ABO, Original Hole | 1                     |
| 8,629.0      | 8,629.0    | 2.0                   | 6/24/1970 | ABO, Original Hole | 1                     |
| 8,635.0      | 8,635.0    | 2.0                   | 6/24/1970 | ABO, Original Hole | 1                     |
| 8,637.0      | 8,637.0    | 2.0                   | 6/24/1970 | ABO, Original Hole | 1                     |
| 8,639.0      | 8,639.0    | 2.0                   | 6/24/1970 | ABO, Original Hole | 1                     |
| 8,647.0      | 8,647.0    | 2.0                   | 6/24/1970 | ABO, Original Hole | 1                     |
| 8,649.0      | 8,649.0    | 2.0                   | 6/24/1970 | ABO, Original Hole | 1                     |
| 8,609.0      | 8,609.0    | 2.0                   | 12/6/1986 | ABO, Original Hole | 1                     |
| 8,611.0      | 8,611.0    | 2.0                   | 12/6/1986 | ABO, Original Hole | 1                     |
| 8,620.0      | 8,620.0    | 2.0                   | 12/6/1986 | ABO, Original Hole | 1                     |
| 8,626.0      | 8,626.0    | 2.0                   | 12/6/1986 | ABO, Original Hole | 1                     |
| 8,628.0      | 8,628.0    | 2.0                   | 12/6/1986 | ABO, Original Hole | 1                     |
| 8,630.0      | 8,632.0    | 2.0                   | 12/6/1986 | ABO, Original Hole | 5                     |
| 8,634.0      | 8,634.0    | 2.0                   | 12/6/1986 | ABO, Original Hole | 1                     |
| 8,636.0      | 8,636.0    | 2.0                   | 12/6/1986 | ABO, Original Hole | 1                     |
| 8,638.0      | 8,638.0    | 2.0                   | 12/6/1986 | ABO, Original Hole | 1                     |
| 8,640.0      | 8,641.0    | 2.0                   | 12/6/1986 | ABO, Original Hole | 3                     |
| 8,648.0      | 8,648.0    | 2.0                   | 12/6/1986 | ABO, Original Hole | 1                     |

| Stim/Treat Stages |            |            |            |      |  |
|-------------------|------------|------------|------------|------|--|
| Type              | Start Date | Top (ftKB) | Btm (ftKB) | Com. |  |
| Acidizing         | 6/25/1970  | 8,610.0    |            |      |  |

# Schematic & History

