

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161

District II - (575) 748-1283

District III - (505) 334-6178

District IV - (505) 476-3460

1625 N. French Dr., Hobbs, NM 88240

811 S. First St., Artesia, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

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

WELL API NO.
30-025-28315

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
312479

7. Lease Name or Unit Agreement Name
NVAU

8. Well Number 235

9. OGRID Number 298299

10. Pool name or Wildcat
VACUUM; ABO, NORTH

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 K : 1880 feet from the S line and 2000 feet from the W line
Section 24 Township 17S Range 34E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

4007 GR

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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: MIT ☒

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.

6/17/2014

CONVERTED PRODUCING WELL TO INJECTION WELL
SCHEMATIC ATTACHED FOR DESCRIPTION

MIT TEST: (START PRESSURE 360, END PRESSURE 355)
CHART ATTACHED

Spud Date: 11/09/1983

Rig Release Date: 01/17/1984

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 9/11/2014

Type or print name LAURA STONE

E-mail address: rgrigg@mspartners.com PHONE: 817-334-7842

For State Use Only

APPROVED BY:

Bill Semanah

TITLE

Staff Manager

DATE

9/19/2014

Conditions of Approval (if any):

RECORD ONLY

SEP 22 2014

25

HOBBS OCD

SEP 17 2014

RECEIVED

360#

900
800
700
600
500
400
300
200
100

06-17-14
DAL
6-17-14

35

Operator Cross Timbers Energy LLC
 Well NVAU # 235
 API 30-035-28318
 U.S. TRUCK 5-24 T-175, R-34F
 Reason for Test OCCT
 Start Press. 360
 End Press. 355
 Time / Date 8:00 AM 9-9-14
 CTE Supervisor _____
 OCD Inspector _____
 Chart Calib. Info DAL 6-17-14

40

CHART NO. MC P1000-IHR

V&P GAGE

Graphic Controls

360#

600
500
400
300
200
100

6-17-14

45

50

55

60

5

10

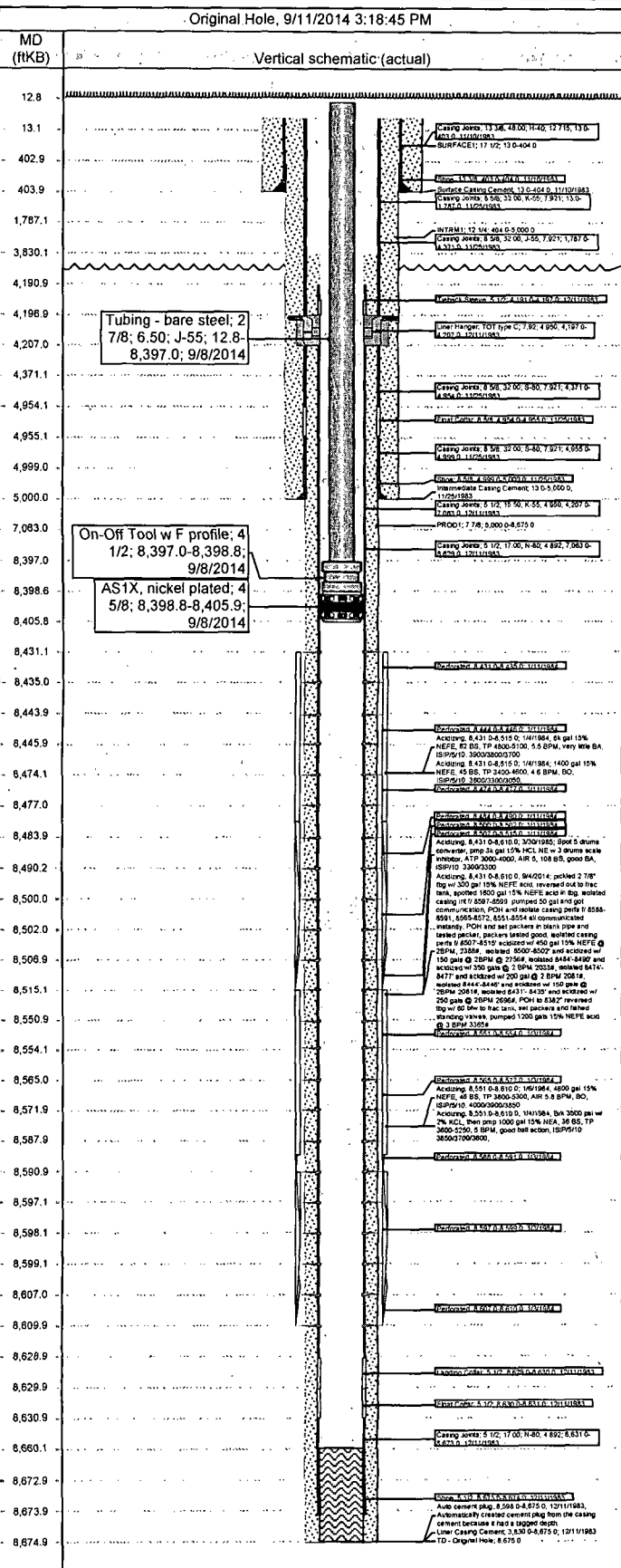
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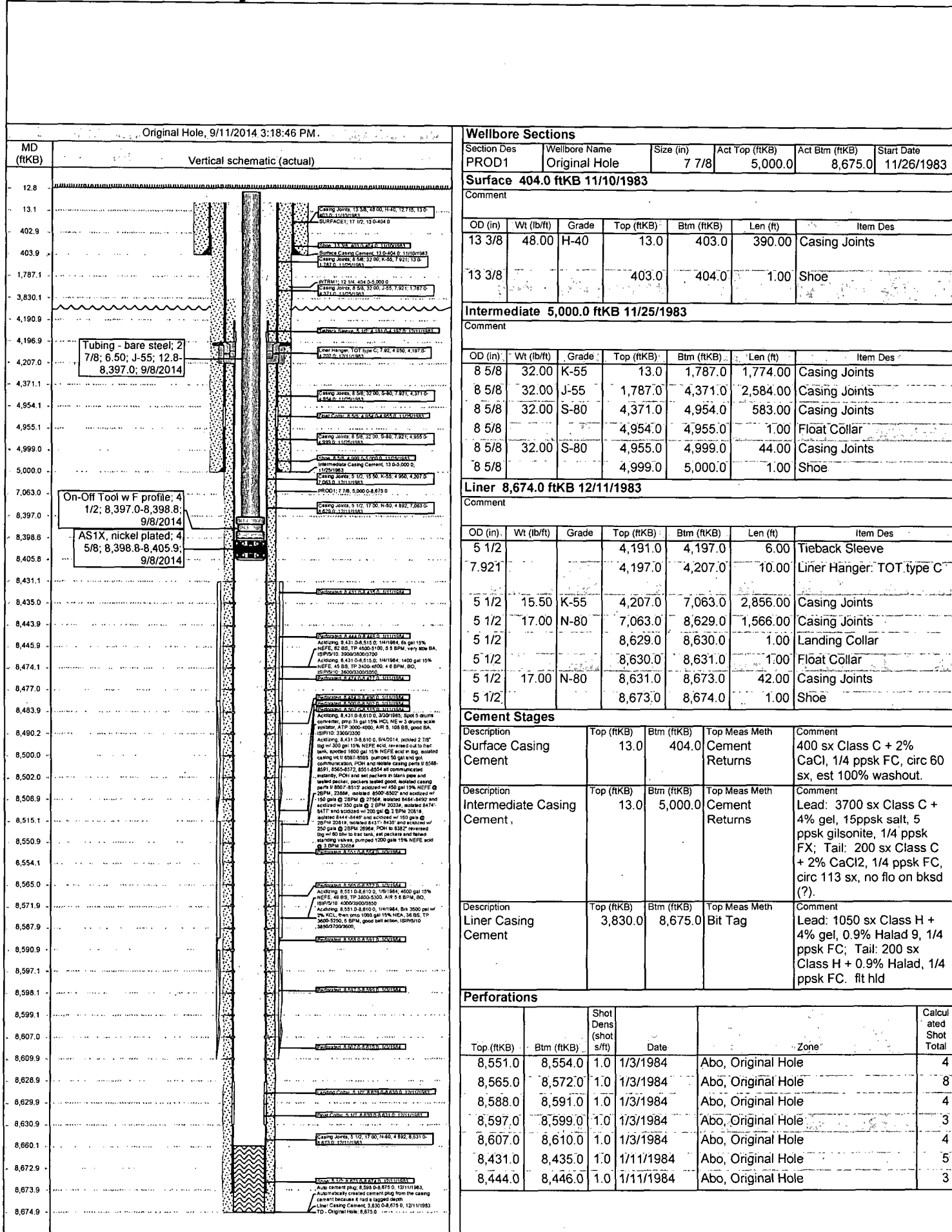
PRINTED IN U.S.A.

Well Name NORTH VACUUM ABO UNIT 235		API/UWI 3002528315		County Lea		State/Province New Mexico		Field Name VACUUM N	
Location 1880 FSL & 2000 FWL				Township 17S	Range 34E	Section 24	Latitude (") 32° 34' 18.981" N		Longitude (") 103° 30' 56.412" W
Section	Survey					Block	Township		Abstract
Original KB Elevation (ft) 4,010.00		Ground/Corrected Ground Elevation (ft) 4,023.31		KB-Ground Distance (ft) -13.31		Spud Date			



Jobs					
Type	Start Date	Summary			
Drilling Original & Initial Completion	11/9/1983	D&C Abo, perf, acidize, swb 15% OC, 200'/hr FE, acidize again, swb 50% OC, 300'/hr FE, perf Abo, set RBP over prev perms, acidize, swb 5% OC, acidize again, swb 2% OC, pull RBP, POP.			
Scale Treatment	3/27/1985	Att pull tbq, shear TAC, stk, pmp 500 gal 15% HCL dwn tbq, wrk loose, POOH, hvy scale on 3jts abv SN, Mostly CaSO4, some CaCO3, RIH pkr, spot converter, acidize,			
Acid Dump	10/13/1985	Pmp 1000 gal 15% NEFE dwn csg, no soak/SI, RTP.			
Acid Dump	11/7/1985	Pmp 2 drums Champion Gypton T-131, 1000 gal 15% HCL NEFE, SD 24 hrs.			
Pump Repair	5/20/1987	Pull rds & pmp, RTP.			
Pump Repair	7/21/1987	Pull rds & pmp, drp SV, tst 500 psi, RTP.			
Pump Repair	7/23/1987	Pull rds & pmp, RTP.			
Tubing Change	10/2/1987	Pull rds & tbq, RIH, well flowing, couldn't kill, RTP.			
Casing Pressure Test	10/26/1987	Pull rds & tbq, RIH bit & scrpr, worked a while, RIH pkr to 5106', tst csg to sfc 1000 psi, good, set pkr @ 8392', tst liner to sfc 1000 psi, good, POOH pkr, RTP.			
Pump Repair	11/5/1987	Pull rds, pmp, RTP.			
Pump Repair	11/13/1987	Pull rds & pump, pull on TAC, holding, RTP.			
Test/Log/Profile	2/2/1988	Isolate perms 8431-8515, pump under pkr. 16% OC			
Test/Log/Profile	2/19/1988	Move RBP to isolate perms @ 8431-8446', POOH pkr, POP. 10% OC			
Downhole Commingle	3/3/1988	Pull RBP, RTP. 25% OC			
Tubing Change	7/28/1989	Pull rds, drop SV tst, pull tbq, RBIH teting, rplc SN, RTP.			
Rod Part	1/13/1990	Pull rd prt, fish pmp, RTP.			
Pump Repair	1/17/1990	Pull rds & pmp, drop SV tst tbq, hld gd, RTP.			
Tubing Change	11/17/1990	Pull rds & pmp, SV tst tbq, pull tbq, RBIH teting, brst 1 jt, RTP.			
Rod Part	5/5/1991	Pin brk 3 rds dwn, fish, pull pmp, RTP.			
Rod Part	10/7/1991	Pull rd prt, att fish, swb, strip out, RTP.			
Rod Part	7/27/1992	Rd prt 81 RFS, 1" pin brk, fish & hang.			
Pump Repair	7/24/1993				
Rod Part	6/26/1998	Rd prt 4 RFS, couldn't unseat pmp, strip out, RTP.			
Rod Part	2/1/2001	Rd prt 80 RFS, 1" pin brk, chg pmp, RTP			
Rod Part	2/10/2001	Pin brk 81 RFS, fish, pull pmp, RTP.			
Rod Part	7/26/2001	1' pin brk 7 RFS, fish, RTP.			
Rod Part	10/26/2003	7/8 pin brk 108 RFS, fish, RTP.			
Rod Part	8/3/2004	1" pin brk 61 RFS, fish, RTP.			
Tubing Change	10/6/2004	Pull rds, pmp, tbq, tst tbq BIH, bad SN, RTP.			
Pump Repair	8/8/2006	Pull pmp, stk open, RTP.			
Lift Optimization	3/21/2007	Slw from 8.4 to 6.5 SPM			
Pump Repair	7/20/2007	Pull 3 rds, hvy prfn, hot oil, pull rds & pmp, RTP.			
Convert To Injection	8/25/2014				
Wellbore Sections					
Section Des	Wellbore Name	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date
SURFACE1	Original Hole	17 1/2	13.0	404.0	11/10/1983
Section Des	Wellbore Name	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date
INTRM1	Original Hole	12 1/4	404.0	5,000.0	11/11/1983

Schematic & History



Original Hole, 9/11/2014 3:18:46 PM

MD (ftKB)

Vertical schematic (actual)

12.8

13.1

402.9

403.9

1,787.1

3,830.1

4,190.9

4,196.9

4,207.0

4,371.1

4,954.1

4,955.1

4,999.0

5,000.0

7,063.0

8,397.0

8,398.6

8,405.8

8,431.1

8,435.0

8,443.9

8,445.9

8,474.1

8,477.0

8,483.9

8,490.2

8,500.0

8,502.0

8,506.9

8,515.1

8,550.9

8,554.1

8,565.0

8,571.9

8,587.9

8,590.9

8,597.1

8,598.1

8,599.1

8,607.0

8,609.9

8,628.9

8,629.9

8,630.9

8,660.1

8,672.9

8,673.9

8,674.9

Tubing - bare steel; 2 7/8; 6.50; J-55; 12.8-8,397.0; 9/6/2014

On-Off Tool w F profile; 4 1/2; 8,397.0-8,398.8; 9/8/2014

AS1X, nickel plated; 4 5/8; 8,398.8-8,405.9; 9/8/2014

Casing joints, 11 1/4, 14.00, 14.00, 12.715, 13.0 SURFACE; 17 1/2, 13.0-404.0

Surface Casing Cement, 13.0-404.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 13.5 1.000, 1.000000

INTERM 12.14, 404.0-5,000.0

Casing joints, 8.56, 13.00, 8.55, 7.921, 1.787.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-5,000.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 4,954.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-4,954.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 4,999.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-4,999.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 5,000.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-5,000.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 7,063.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-7,063.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,397.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,397.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,398.6 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,398.6, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,405.8 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,405.8, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,431.1 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,431.1, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,435.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,435.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,443.9 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,443.9, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,445.9 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,445.9, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,474.1 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,474.1, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,477.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,477.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,483.9 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,483.9, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,490.2 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,490.2, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,500.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,500.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,502.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,502.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,506.9 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,506.9, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,515.1 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,515.1, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,550.9 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,550.9, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,554.1 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,554.1, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,565.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,565.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,571.9 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,571.9, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,587.9 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,587.9, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,590.9 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,590.9, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,597.1 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,597.1, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,598.1 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,598.1, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,599.1 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,599.1, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,607.0 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,607.0, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,609.9 8.500, 1.000000

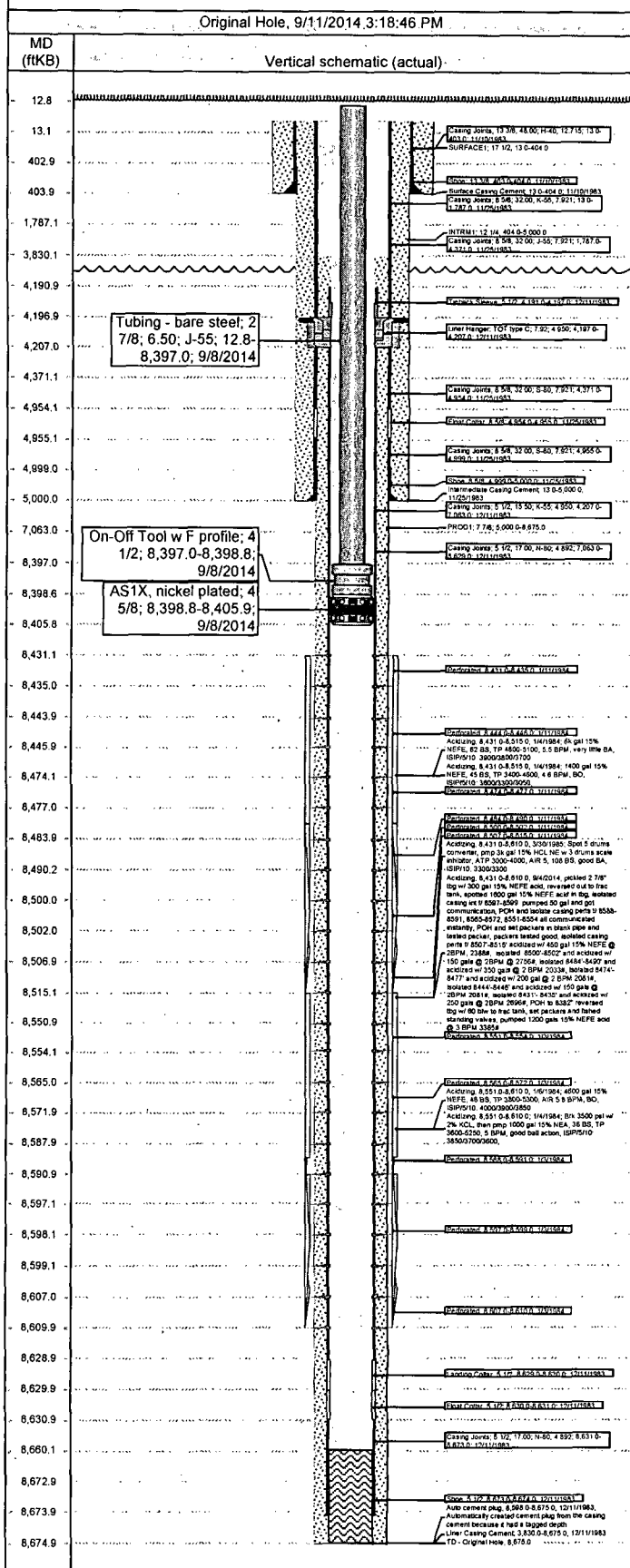
Intermediate Casing Cement, 13.0-8,609.9, 11/10/1983

Casing joints, 8.56, 13.00, 8.55, 7.921, 8,628.9 8.500, 1.000000

Intermediate Casing Cement, 13.0-8,628.9, 11/10/1983

Casing joints

Schematic & History



Other In Hole							
Des	Com	OD (in)	Run Date	Top (ftKB)	Btm (ftKB)		
Tubing - Injection (IPC) set at 8,405.9ftKB on 9/8/2014 00:00							
Set Depth (ftKB)	Comment	Run Date		Pull Date			
8,405.9		9/8/2014					
Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft.)	Jts	Top (ftKB)	Btm (ftKB)
Tubing - bare steel	2 7/8	6.50	J-55	8,384.18	269	12.8	8,397.0
On-Off Tool w F profile	4 1/2			1.75	1	8,397.0	8,398.8
AS1X, nickel plated	4 5/8			7.13	1	8,398.8	8,405.9
Rod String on 7/20/2007 00:00							
Rod Description							
Rod String							
Item Des	OD (in)	Grade	Jts	Len (ft)			
1-1/2" pr W 1-3/4"x14' liner	1 3/4	SM	1	26.00			
Sub	1	D	1	6.00			
Sucker Rod	1	D	86	2,150.00			
Sucker Rod	7/8	D	100	2,500.00			
Sucker Rod	3/4	D	156	3,900.00			
Sucker Rod w/Molded Guides	1	D	1	4.00			
Rod Insert Pump	1 1/4		1	28.00			
Gas Anchor	1 1/4		1	10.00			