

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

Form C-103
Revised July 18, 2013

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.)		WELL API NO. 30-025-23540
1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator CROSS TIMBERS ENERGY, LLC		6. State Oil & Gas Lease No. 312479
3. Address of Operator 400 WEST 7th STREET, FORT WORTH, TX 76102		7. Lease Name or Unit Agreement Name NORTH VACUUM ABO UNIT
4. Well Location Unit Letter L : 1980 feet from the S line and 860 feet from the W line Section 26 Township 17S Range 34E NMPM County LEA		8. Well Number 138
		9. OGRID Number 298299
		10. Pool name or Wildcat VACUUM; ABO, NORTH
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		4026 GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☒
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
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.

Repair tbg/pkr leak:

5/30/14 Tstd csg; Isolated leak to 2-6' from surf.

Installed expandable liner patch across leak.

Tstd csg, held good. Fluid no longer coming out surf. csg.

6/10/14 Return to injection.

See attached post-job history and schematic.

T. Paul
8508'
PKR@
8457'

Spud Date: 07/11/1970

Rig Release Date: 08/02/1970

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

SIGNATURE Robbie A. Grigg TITLE Regulatory Compliance DATE 06/10/2014

Type or print name Robbie A Grigg E-mail address: rgrigg@mspartner.com PHONE: 817-334-7842

For State Use Only

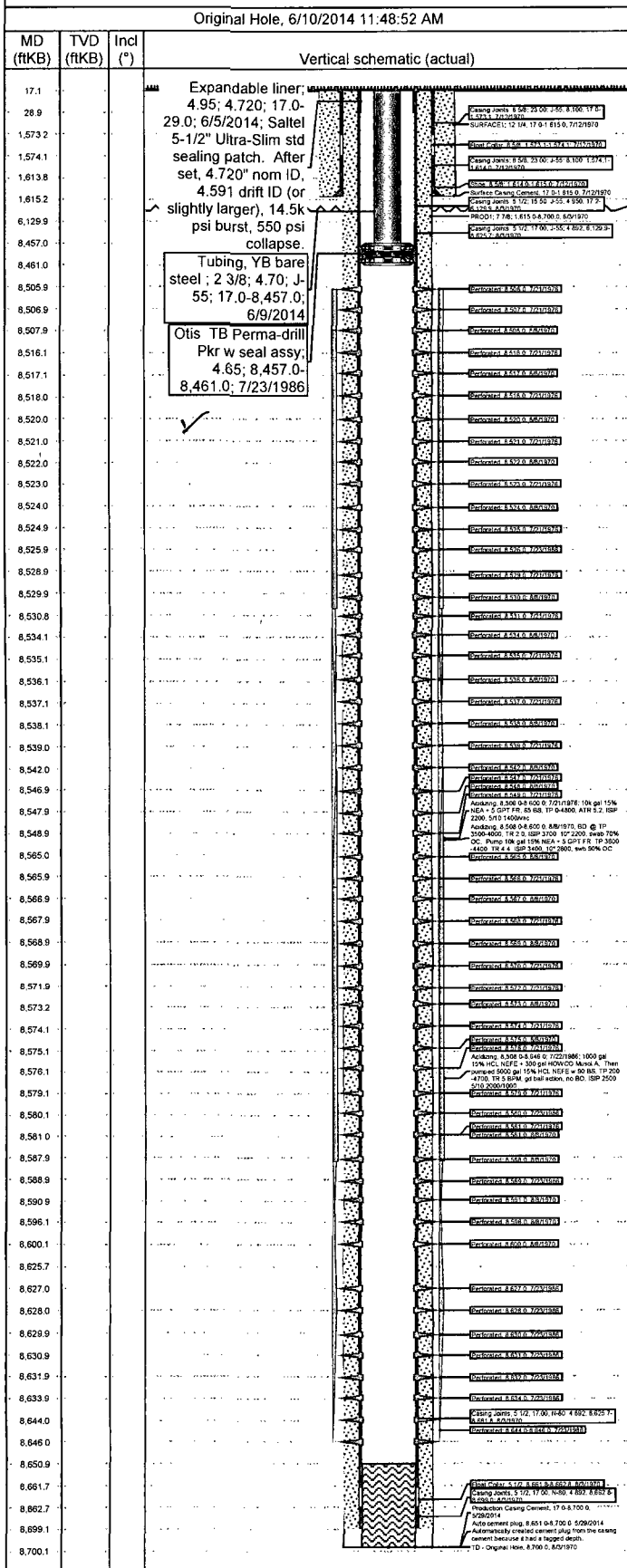
APPROVED BY: Mary Brown TITLE Dist. Supervisor DATE 6/17/2014

Conditions of Approval (if any):

JUN 17 2014

Schematic & History

Well Name NORTH VACUUM ABO UNIT 138		API/UWI 3002523540	County Lea		State/Province New Mexico		Field Name VACUUM N	
Location 1980 FSL & 860 FWL			Township 17S	Range 34E	Section 26	Latitude (") 32° 51' 4.788" N		Longitude (") 103° 32' 11.796" W
Section	Survey				Block		Township	Abstract
Original KB Elevation (ft) 4,041.00		Ground/Corrected Ground Elevation (ft) 4,024.00		KB-Ground Distance (ft) 17.00		Spud Date		



Jobs	Type	Start Date	Summary
Drilling Original & Initial Completion		7/10/1970	D&C Abo (took gas kick in Yates), perf & acidize, swb 90% OC, instl prod tbg, run BHP gauges, perform BU tst, turn to prod.
Open Additional Pay - OAP		7/19/1976	PI rods & pmp, tbg, spot acid, perf Abo, acidize, swab 25% OC, pkr stuck, perf tbg, POOH LD pkr, POP.
Convert To Injection		7/18/1986	PI rods, HO, LD rods & pmp, TFF @ 8652', RIH bit & scrpr, DO hard cmt to new PBTD @ 8690', did not feel anything w scrpr. Perf Abo, install inj equip, acidize, turn to inj.
Acidize		8/29/2002	Backflowed well previously, MIRU Petroplex, pump 1000 gal acid, RDMO.
Casing Leak / Rpr		5/29/2014	PI tbg, RIH bit & scrpr to perm. pkr, scan tbg (87Y, 74B, 74G, 39R). RIH plg & pkr, tst csg, isolate leak to 2-6' from surf. Would not take rate, bled 4 psi/min. and ran pencil width water out 8-5/8". Installed expandable liner patch across leak, tst'd good. RIH, tst all csg, good. RIH redressed seal, new YB bare steel tbg, tst csg, circ. pkr fluid, perform NMOCD MIT. RTI.

Wellbore Sections					
Section Des	Wellbore Name	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date
SURFACE1	Original Hole	12 1/4	17.0	1,615.0	7/12/1970
Section Des	Wellbore Name	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date
PROD1	Original Hole	7 7/8	1,615.0	8,700.0	7/13/1970

Surface 1,615.0 ftKB 7/12/1970						
Comment						
OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
8 5/8	23.00	J-55	17.0	1,573.1	1,556.10	Casing Joints
8 5/8			1,573.1	1,574.1	1.00	Float Collar
8 5/8	23.00	J-55	1,574.1	1,614.0	39.90	Casing Joints
8 5/8			1,614.0	1,615.0	1.00	Shoe

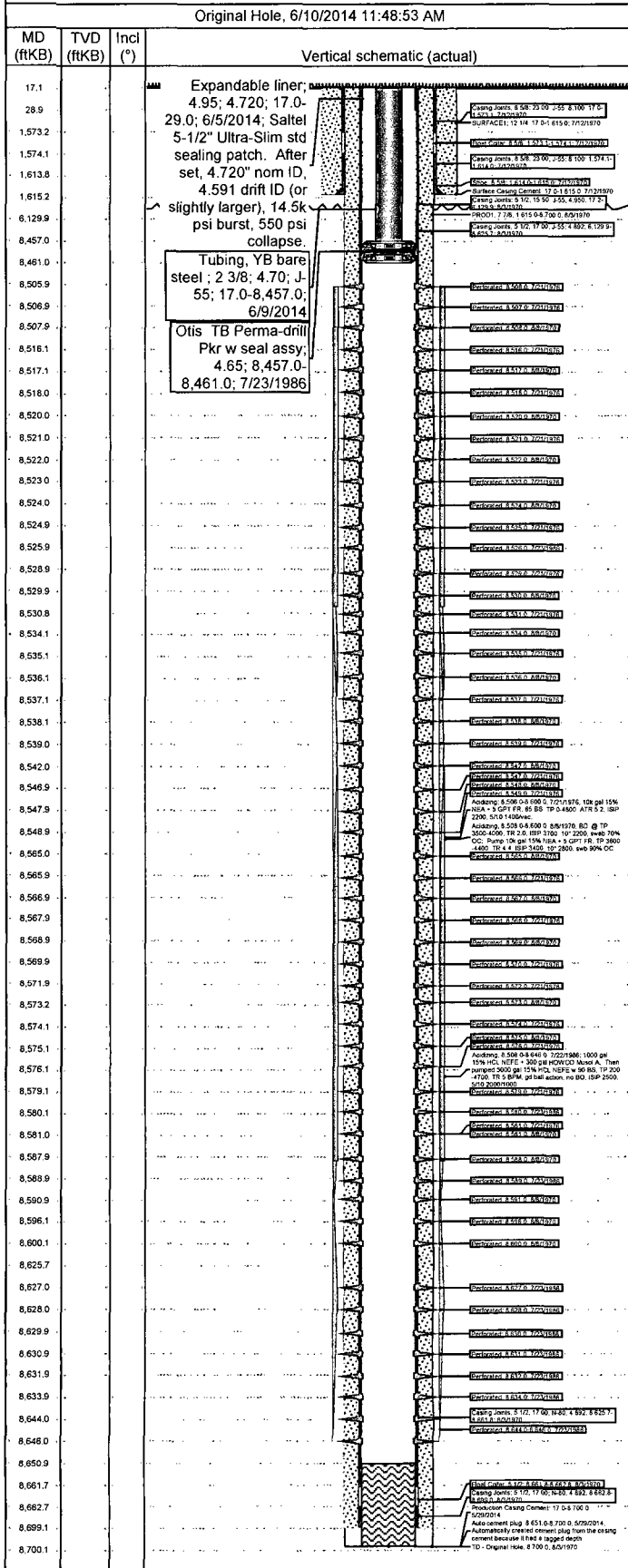
Production 8,700.0 ftKB 8/3/1970						
Comment						
OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
5 1/2	15.50	J-55	17.2	6,129.9	6,112.73	Casing Joints
5 1/2	17.00	J-55	6,129.9	8,625.7	2,495.73	Casing Joints
5 1/2	17.00	N-80	8,625.7	8,661.8	36.17	Casing Joints
5 1/2			8,661.8	8,662.8	1.00	Float Collar
5 1/2	17.00	N-80	8,662.8	8,699.0	36.17	Casing Joints
			8,699.0	8,700.0	1.00	Shoe

Cement Stages				
Description	Top (ftKB)	Btm (ftKB)	Top Meas Meth	Comment
Surface Casing Cement	17.0	1,615.0	Cement Returns	Lead: 1000 sx Class H + 8% gel, 2% CaCl; Tail: 200 sx Incon neat + 2% CaCl, circ.
Description	Top (ftKB)	Btm (ftKB)	Top Meas Meth	Comment
Production Casing Cement	17.0	8,700.0	Cement Returns	Lead: 2900 sx T1LW, first 1--- sx + 1/4 pps Flocele; Tail: 200 sx Class C Neat; circ. cmt.

Perforations				
Top (ftKB)	Btm (ftKB)	Shot Dens (shot/sft)	Date	Zone
8,508.0	8,508.0	1.0	8/8/1970	Abo, Original Hole
8,517.0	8,517.0	1.0	8/8/1970	Abo, Original Hole

[illegible]

Schematic & History

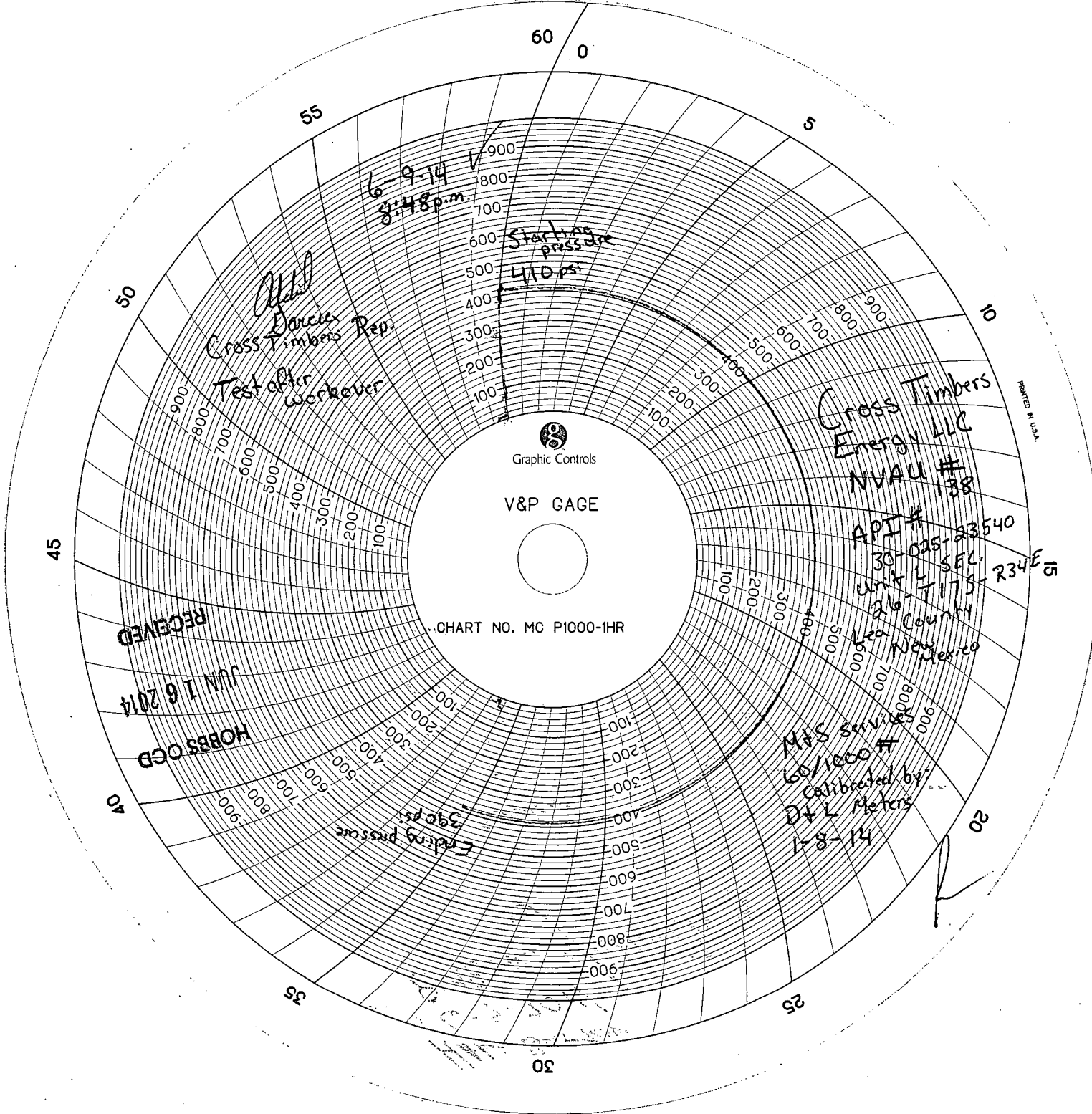


Stim/Treat Stages					
Type	Start Date	Top (ftKB)	Btm (ftKB)	Com	
Acidizing	7/22/1986	8,508.0	8,646.0	1000 gal 15% HCL NEFE + 300 gal HOWCO Musol A; Then pumped 5000 gal 15% HCL NEFE w 90 BS, TP 200 -4700, TR 5 BPM, gd ball action, no BO, ISIP 2500, 5/10 2000/1000.	
Acidizing	7/21/1976	8,506.0	8,600.0	10k gal 15% NEA + 5 GPT FR, 65 BS, TP 0-4800, ATR 5.2, ISIP 2200, 5/10 1400/vac.	
Acidizing	8/8/1970	8,508.0	8,600.0	BD @ TP 3500-4000, TR 2.0, ISIP 3700, 10" 2200, swab 70% OC; Pump 10k gal 15% NEA + 5 GPT FR, TP 3600-4400, TR 4.4, ISIP 3400, 10" 2800, swb 90% OC	

Other In Hole					
Des	Com	OD (in)	Run Date	Top (ftKB)	Btm (ftKB)
Expandable liner	Saltel 5-1/2" Ultra-Slim std sealing patch. After set, 4.720" nom ID, 4.591 drift ID (or slightly larger), 14.5k psi burst, 550 psi collapse.	4.95	6/5/2014	17.0	29.0
Perm Pkr	r-hand ris, j-latch			8,457.0	8,461.0

Injection Tubing set at 8,457.0ftKB on 6/9/2014 00:00					
Set Depth (ftKB)	Comment	Run Date	Pull Date		
8,457.0		6/9/2014			
Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts
Tubing, YB bare steel	2 3/8	4.70	J-55	8,440.00	270
				Top (ftKB)	Btm (ftKB)
				17.0	8,457.0

<des> on <dtmrun>					
Rod Description					
Item Des	OD (in)	Grade	Jts	Len (ft)	



6-9-14
8:48 p.m.

Starting pressure
410 psi

Alfred
Cross Timbers Rep.
Test after
workover

Cross Timbers
Energy LLC
NVAU # 38

API #
30-025-23540
Unit L SEC.
26-1175
Lea County
New Mexico

RECEIVED
JUN 16 2014
HOBBS OGD

M&S Services
601000 #
Calibrated by
D+L Meters
1-8-14

Ending pressure
390 psi

PRINTED IN U.S.A.

HALLIBURTON
6-9-2014
8:48 P.M. Justin Berry

M+S Services
601000 #
Calibrated 1-8-14
6-9-14
Juan Lyon

Parker Tools
Abel
Devic