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

HOBBS OCD
FEB 21 2019
RECEIVED

Form C-103
Revised July 18, 2013

WELL API NO.	30-025-24090
5. Indicate Type of Lease	STATE [X] FEE [ ]
6. State Oil & Gas Lease No.	312479
7. Lease Name or Unit Agreement Name	NORTH VAC ABO UNIT
8. Well Number	229
9. OGRID Number	298299
10. Pool name or Wildcat	NORTH VAC-ABO POOL

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 INJ

2. Name of Operator: CROSS TIMBERS ENERGY, LLC

3. Address of Operator: 400 W 7TH ST, FORT WORTH, TX 76102

4. Well Location
Unit Letter L : 2000 feet from the S line and 660 feet from the W line
Section 10 Township 17-S Range 34-E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 4063 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	[X]	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.

Between 1/31/2019 and 2/06/2019, a plug and packer were used to test the wellbore integrity in the TA'd North Vacuum Abo Unit #229. A casing leak was identified between 2,787' – 2,913' that is a suspected split in the casing. During the work, the remainder of the casing string was isolated above and below the casing failure and tested to 500 psi. The following plug & abandonment procedure is requested:

1. TIH and tag top of cement on CIBP @ est'd TOC @ 8,655'. Circulate hole w/ mud laden fluid.
2. Spot 25 sx Class H cement balanced plug from 5,680' – 5,900'. WOC. Tag TOC.
3. Set Cement Retainer @ 2,750'. Pump 45 sx Class H cement beneath retainer into casing and annulus and leave 6 sx cmt (50') on top of retainer. TOC @ 2,700'. WOC. Tag TOC. Pressure test casing to 500 psi for 15 mins.
4. Perforate 3 holes @ 1,700'. Set Cement Retainer @ 1,635'. Pump 25 sx Class H cement beneath retainer (17 sx into annulus, 8 sx below retainer in casing) and leave 6 sx cmt (50') on top of retainer. TOC @ 1,585'.
5. Spot surface plug - Pump 6 sx Class H cement inside casing to fill casing with cement to surface.
6. Cut off wellhead. Verify cmt to surface on all strings. Install dry hole marker (4" diameter, 4' above ground).

Spud Date: 04/07/1972 Rig Release Date: 05/11/1972

See Attached Conditions of Approval

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

SIGNATURE Samanntha Avarello TITLE Regulatory Technician DATE 02/18/2019

Type or print name Samanntha Avarello E-mail address: sangeles@mspartners.com PHONE: 817-334-7747

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 2-25-19

Conditions of Approval (if any):

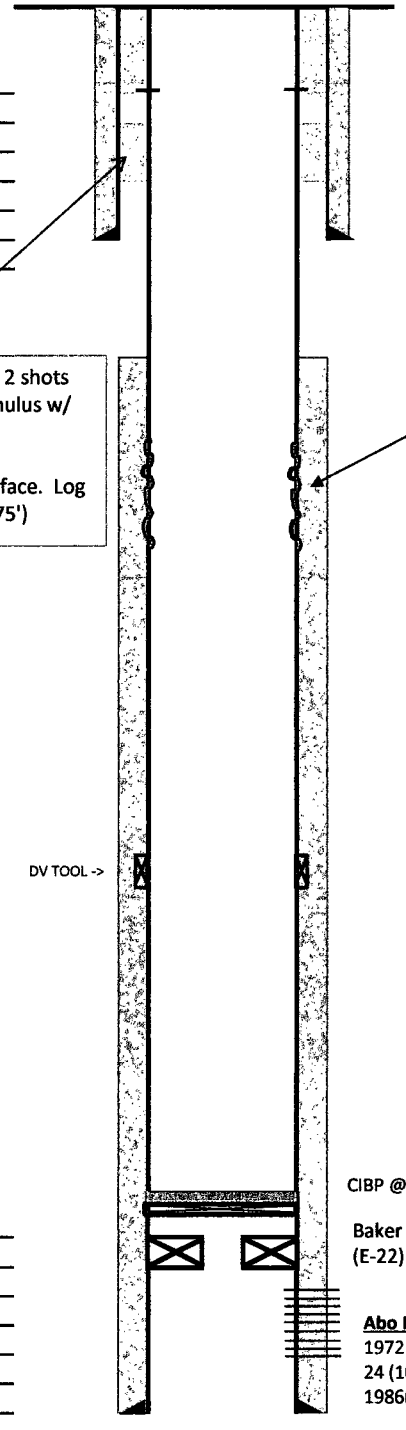
Well Name:	North Vacuum Abo Unit #229						
Location:	2000' FSL & 660' FWL	Sec:	10	Township:	17S	Range:	34E
County:	Lea	State:	NM	API:	30-025-24090		

CURRENT

KB:	4,064'
GL:	4,054'
Spud Date:	4/7/1972

Surface Csg

Size:	8-5/8"
Wt & Thrd:	24#
Grade:	K-55
Set @:	1,635'
Sx Cmt:	1,100
Circ:	Yes
TOC:	sfc



08/1981: Perf 5-1/2" casing w/ 2 shots @ 800'. Cmt 5-1/2"x8-5/8" Annulus w/ 400 sx Class C cmt.

(Pulled a CBL from 1,700' to surface. Log showed a bridge from 850'-1,175')

Feb. 2019: Tight spot in casing between 2,819' -2,913'. Confirmed casing failure between 2,787' - 2,913' (126') using plug & packer. Pkr set @ 2,850' would not pressure test and would circulate fluid to backside. Suspect a split in the casing. Fluid sample caught during job was sent to chemical company for analysis - water appeared muddy.

Production Casing

Size:	5-1/2"
Wt & Thrd:	15.5# & 17#
Grade:	SEE NOTE BELOW
DV TOOL @	6,097'
Set @:	8,987'
Sx Cmt:	1,250
Circ:	No
TOC:	Est'd 1,000'

From C-103: Ran casing as follows...
81 jts (2621') 17#, N-80 LTC
58 jts (1894') 17#, K-55 8RD STC
114 jts (3711') 15.5#, K-55 8RD STC
23 jts, (761') 15.5# K-55, 8RD LTC

Cemented w/ 250 sx Class H neat. Opened DV Tool. Cemented w/ 1,000 sx Class C neat. No Circ.

CIBP @ 8,690' w/ 35' cmt on top

Baker Model 'D' Perm Packer w/ Model (40-26) Anchor Latch Seal Assembly (E-22) @ 8,700'

Abo Perfs
1972 (1 SPF): 8745, 55, 75, 80, 92, 8800, 03, 8901, 06, 24 (10 holes)
1986(2 SPF): 8774, 78, 79, 82, 83, 90, 94, 98, 8806, 07,

PBTD:	8,951'
TD:	8,987'

UPDATED: 2/13/2019

Well Name:	North Vacuum Abo Unit #229						
Location:	2000' FSL & 660' FWL	Sec:	10	Township:	17S	Range:	34E
County:	Lea	State:	NM	API:	30-025-24090		

KB:	4,064'
GL:	4,054'
Spud Date:	4/7/1972

PROPOSED P&A

Surface Csg

Size:	8-5/8"
Wt & Thrd:	24#
Grade:	K-55
Set @:	1,635'
Sx Cmt:	1,100
Circ:	Yes
TOC:	sfc

08/1981: Perf 5-1/2" casing w/ 2 shots @ 800'. Cmt 5-1/2"x8-5/8" Annulus w/ 400 sx Class C cmt.

(Pulled a CBL from 1,700' to surface. Log showed a bridge from 850'-1,175')

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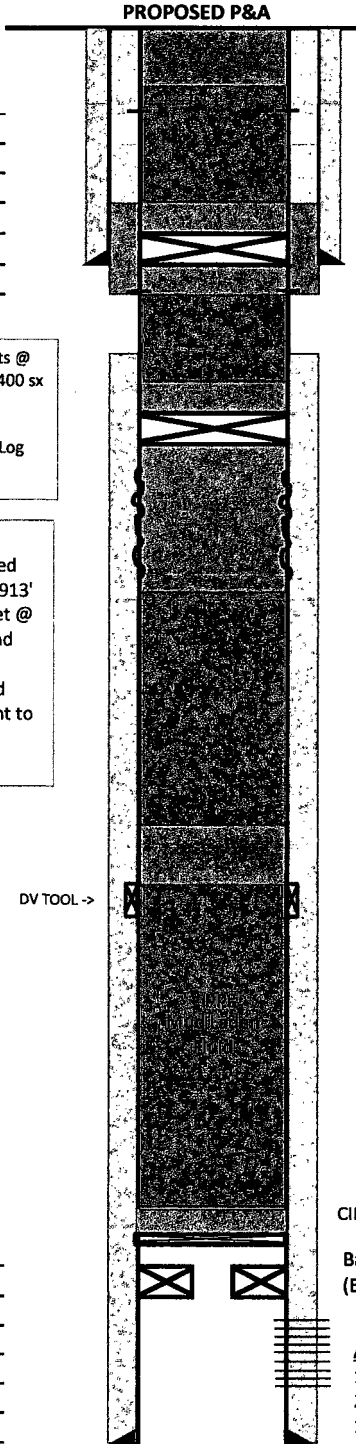

PLUG 4 - Surface:
6 sx Class H Cmt 50' - Surface

PLUG 3 - Top of Salt & Sfc Csg Shoe:
Perf @ 1,700'
CICR @ 1,635'
25 sx Class H cmt below retainer inside and outside casing
6 sx on top of retainer
Est'd TOC @ 1,585'

PLUG 2 - Base of Salt:
CICR @ 2,750'
45 sx Class H cmt below retainer from 2,750' - 2,915' inside and outside casing
6 sx on top of retainer
Est'd TOC @ 2,700'

PLUG 1: 25 sx Class H Cmt 5,680' - 5,900'

Production Casing

Size:	5-1/2"
Wt & Thrd:	15.5# & 17#
Grade:	SEE NOTE BELOW
DV TOOL @	6,097'
Set @:	8,987'
Sx Cmt:	1,250
Circ:	No
TOC:	Est'd 1,000'

Baker Model 'D' Perm Packer w/ Model (40-26) Anchor Latch Seal Assembly (E-22) @ 8,700'

Abo Perfs
1972 (1 SPF): 8745, 55, 75, 80, 92, 8800, 03, 8901, 06, 24 (10 holes)
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23 jts, (761') 15.5# K-55, 8RD LTC

Cemented w/ 250 sx Class H neat.
Opened DV Tool. Cemented w/ 1,000 sx Class C neat. No Circ.

UPDATED: 2/13/2019

GENERAL CONDITIONS OF APPROVAL:

1) Insure all bradenheads have been exposed, identified, and valves are operational prior to rigging up on well.

2) Contact the appropriate NMOCD District Office no later than 24 hours prior to moving in and rigging up.

3) A copy of the approved C103 intent to P&A should be distributed to the onsite company and plugging representatives. Approved procedures are good for a period of **one year** from approved date, unless otherwise specified on the C103 intent. Approvals past this date will require the submission and approval of a new C103 intent.

4) A company representative is required to be present to witness all operations including setting CIBP's, circulation of mud laden fluids, perforating, squeezing or spotting cement plugs, tags, or any other operations approved on the C103 intent to P&A. Company representative should contact the NMOCD and report all operations.

5) Any changes that may be required during plugging operations should be approved by the NMOCD before proceeding.

6) A closed loop system is to be used for all plugging operations. Contents of the steel pits to be hauled to a NMOCD permitted disposal facility.

7) Mud laden fluids must be placed between all cement plugs mixed at 25 sacks of salt gel per 100 barrels of brine.

8) All cement plugs will be 100' or 25 sacks cement, whichever is greater. Class 'C' cement will be used above 7500' and Class 'H' below 7500'. Plugs should be no more than 3000' apart

9) Site remediation due within one year of well plugging completion.