

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

HOBBS OGD
 JUN 27 2016
 RECEIVED

WELL API NO. 30-025-02319
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 312477
7. Lease Name or Unit Agreement Name NEW MEXICO BO STATE
8. Well Number 2
9. OGRID Number 298299
10. Pool name or Wildcat VACUUM; ABO REEF
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3984 KB

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 I : 1980 feet from the S line and 330 feet from the E line
 Section 12 Township 18S Range 34E NMPM County LEA

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 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"/>	OAP, Abo Reef <input checked="" 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.

OAP, Abo Reef:

1. Pull well
2. Isolate existing perms w/ RBP,
3. Perforate Abo Reef: 1 SPF, 0 deg phasing, 8,245-57', 8,240', 8,233-7', 8,203-26', 8,192-5', 8,182-8', 8,173-7', 8,164-7', 8,158-60' (OA 99', net 58', shots 66)
4. POOH RBP, RTP.

See attached schematic.

Spud Date: 5/13/1962 Rig Release Date: 06/28/1962

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

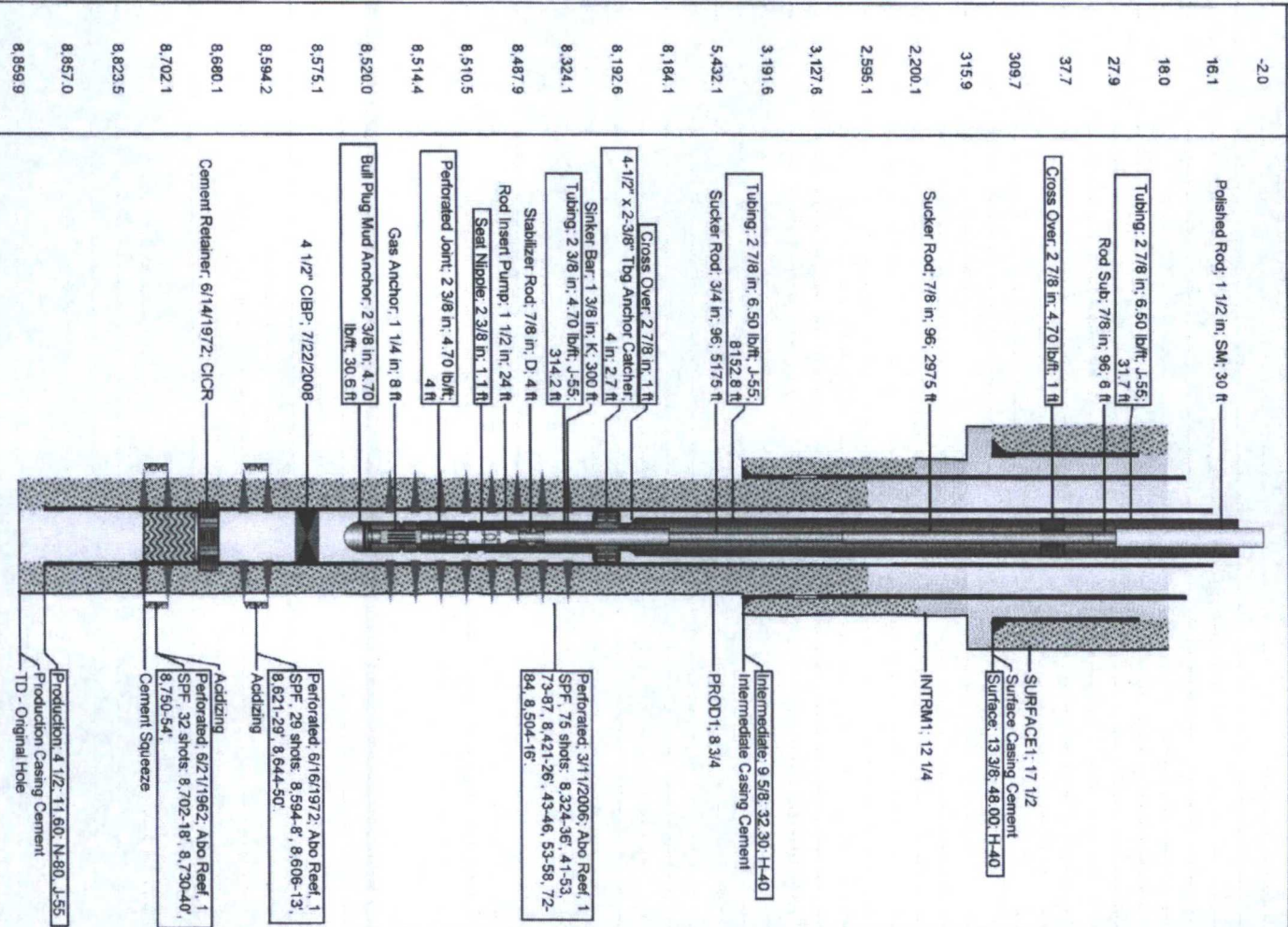
SIGNATURE Robbie C. Grigg TITLE Regulatory Compliance DATE 06/24/2016

Type or print name _____ E-mail address: rgrigg@mspartners.com PHONE: 817-334-7842

APPROVED BY: Mary J Brown TITLE Dist. Supervisor DATE 6/28/2016

Conditions of Approval (if any):

MB



Well Name	NEW MEXICO BO STATE 2	AP/UM	3002502319	County	Lea	State/Province	New Mexico	Field Name	VACUUM
Location	1980 FSL & 330 FEL	Township	18S	Range	34E	Section	12	Latitude (°)	32° 45' 38.014" N
Original KB Elevation (ft)	3,984.00	Gr Elev (ft)	0.00	KB-Ground Distance (ft)	3,984.00	Spud Date		Longitude (°)	103° 30' 23.058" W

Tubing Strings		Set Depth (ft)	Run Date						
Tubing Description		8545	4/21/2006						
Tubing - Production									
Item Desc	OD (in)	ID (in)	WT (lb/ft)	Grade	Jbs	Len (ft)	Top (ft)	Top (ft)	Btm (ft)
Tubing	2 7/8	2.441	6.50	J-55	1	31.7		6	38
Cross Over	2 7/8	2.441	4.70		1			38	39
Tubing	2 7/8	2.441	6.50	J-55	259	8152.8		39	8192
Cross Over	2 7/8	1.995			1			8192	8193
4-1/2" x 2-3/8" Tbg Anchor Catcher		4			1	2.7		8193	8195
Tubing	2 3/8	1.995	4.70	J-55	10	314.2		8195	8509
Seat Nipple	2 3/8				1	1.1		8509	8511
Perforated Joint	2 3/8	1.995	4.70		1	4		8511	8515
Bull Plug Mud Anchor	2 3/8	1.995	4.70		1	30.6		8515	8545

Top (ft)	Bottom (ft)	Date	Zone	Conn
8,324.0	8,516.0	3/1/2006	ABO, Original Hole	ABO Reef, 1 SPF, 75 shots: 8,324-36', 41-53, 73-87, 8,421-26', 43-46, 53-58, 72-84, 8,504-16'
8,594.0	8,650.0	6/16/1972	ABO, Original Hole	ABO Reef, 1 SPF, 29 shots: 8,594-8', 8,606-13', 8,621-29', 8,644-50'
8,702.0	8,754.0	6/21/1962	ABO, Original Hole	ABO Reef, 1 SPF, 32 shots: 8,702-18', 8,730-40', 8,750-54'

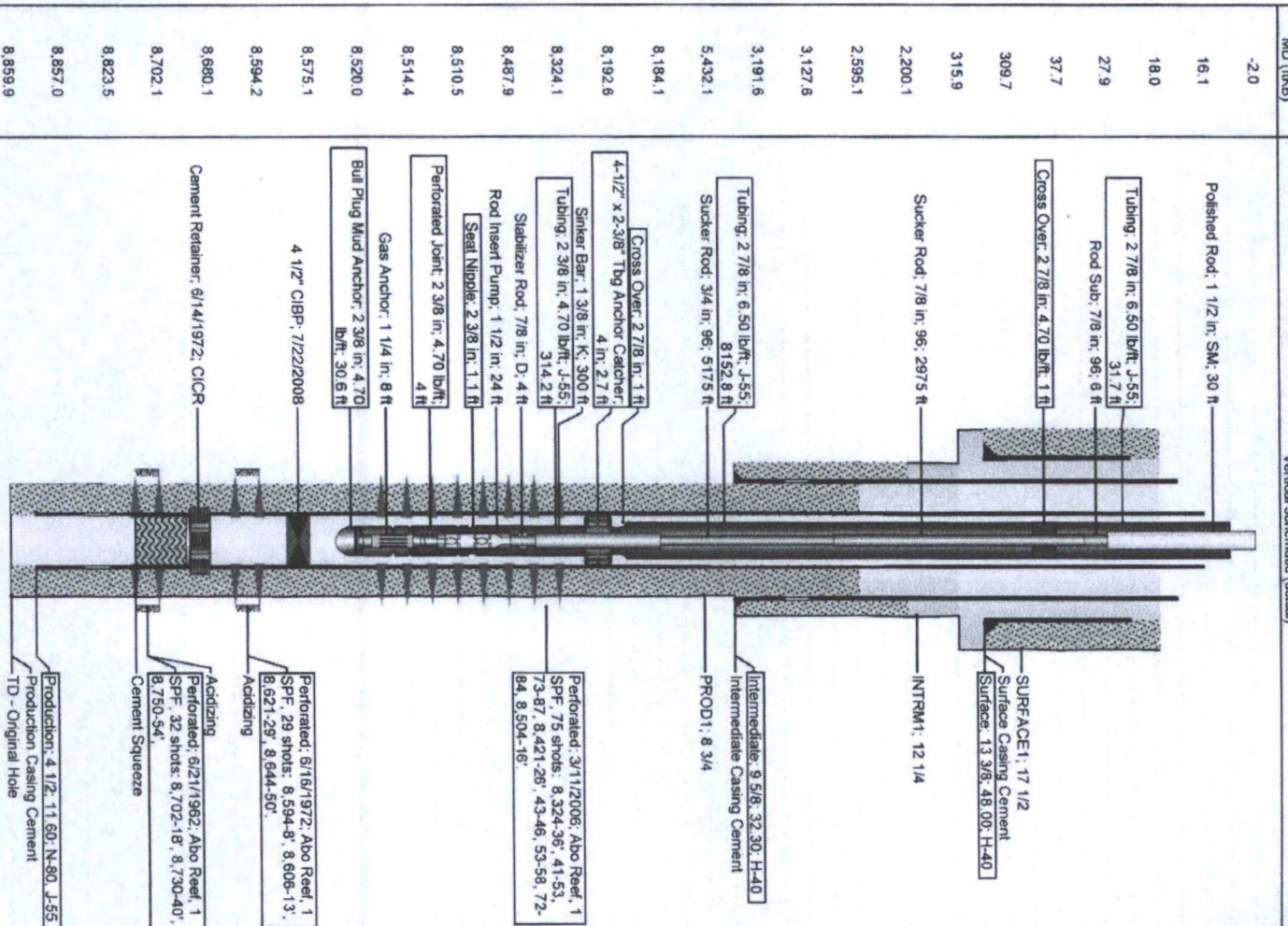
Original Cement PSTD

Tagged Depth (ft)	Tag Method	Tag Cement Date	Depth Plug	Drill Out Date

Jobs

Type	Start Date	Summary
Drilling Original & Initial Completion	5/13/1962	D&C Abo Reef producer, dual string completion for Drinkard was proposed but not executed. Wellex log sonic, cal, drift, cem, prod, csg, log Isotron/CCl, perf & A Abo Reef, S, IFL 1200', rec. 20 BW/1', F, 16-151 BNO, TP 500#, grav 41.2, 157 MCFD
Artificial Lift Upgrade	10/21/1966	Install hydraulic (Kobe) pmp
Recompletion	6/14/1972	Set CICR @ 8,680' szz Abo perfs w/ Injector & 35 sx cem., perf Abo, S, 55 BW/2.5', SION TP 250#, S, IFL 3,000', rec. 17 BO, 3,000/hr entry, 27 bbls/7', SION TP 450#, S, IFL 3,000', 17 BO, dry, A, 5k gal gel 15% HCL NE, w/ BAF, S, 2', F, 7', rec. 187 bbls, w/ cut 5%, TP 250#, IP 20', 364 BO, 0 BW, TP 340#, 490 MCF, grav 40.0
Repair Casing Failure	8/10/1981	***According to OCD files a csg repair was proposed as follows: perf @ 2,000' szz 1,400 sx Class C, A, perfs, RTP. There is no record in OCD files or well files that this was executed.

Production: 4 1/2" - 11.60" N-80, J-55
Production Casing Cement
TD - Original Hole



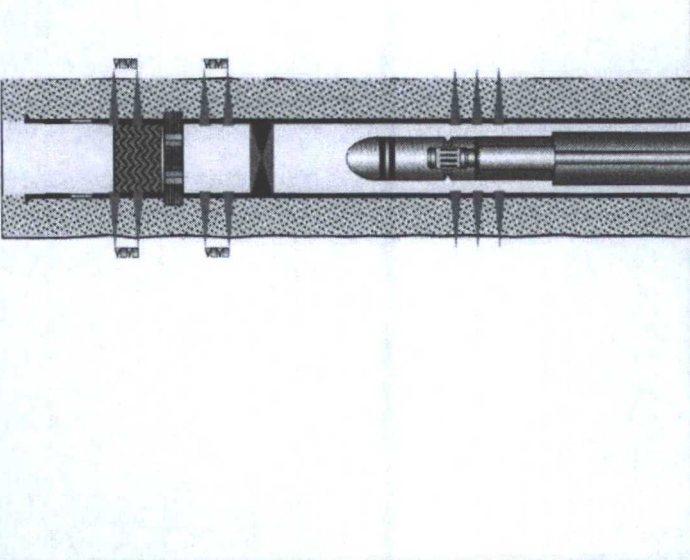
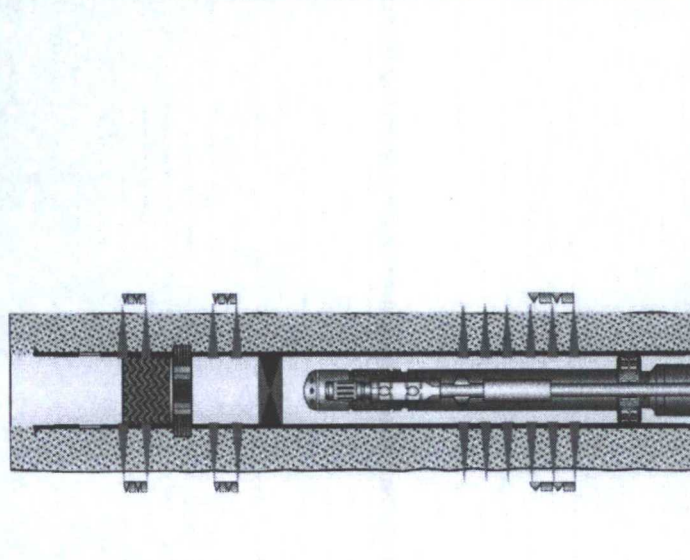
Well Name	NEW MEXICO BO STATE 2	APULUWI	County	Latitude (°)	Longitude (°)	Field Name
Location	1980 FSL & 330 FEL	Range	34E	12	32° 45' 38.014" N	VACUUM
Original KB Elevation (ft)	3,984.00	Section	12	KB-Ground Distance (ft)	3,984.00	Spud Date
Gr. Elev (ft)	18S	Range	34E	Section	12	Spud Date

Jobs	Type	Start Date	Summary
Artificial Lift Upgrade		5/30/1985	Conv to rod pump, 86 taper, roller rod guides scattered throughout rod string according to deviation, 2.5x1.25x20
Repair Tbg Failure		7/29/1992	POOH rods, drop SV, POOH tbg, RTP, remove roller guides, install guides on 3/4" rods.
Casing Pressure Test		6/19/1993	OCD braden head test: observed 120# on Intermediate csg w/ evidence of oil, no record of repairs.
Remedial Workover		8/31/2004	(No record except a tbg tally) POOH pmp & rods, dig to tbg flange, RHH bit & scrpt, tag 8,665', perf Abo Reef, well gassing, set RBP @ 8,575', SLOWE TP 270#. A new perts, couldn't BD @ 4,800#, spot acid on perts, BDTP 4,900#, pmp 1,500 gal 15% NEEF, 5 BPM @ 4,260#. BS spaced evenly, A, frac 10k gal gelled 15%, 7 BPM @ 4,200#, SI 4', TP vac, S, IFL 3,200', rec. 16 BW/3 runs, SION TP 160#, S, IFL 4,000', RTP (left RBP in hole).
Repair Downhole Failure		4/20/2006	POOH pmp, POOH tbg, RBH tbg & pmp (failure not recorded).
Downhole Commingle		7/2/2008	LD rods, hvy prfn, HO tbg/rods, LD rods, retr. RBP, RTP commingled, 2.0x1.75x25x4 THC, N97 rods, 1-3/8" k-bars. Watered out, set CIBP @ 8,575', RTP w/ insert pmp, N97 rods, 1-3/8" k-bars.
Lift Optimization		10/19/2009	Decr. SL to 130"
Repair Parted Rods		5/13/2010	Pmp chg
Acid Dump		6/2/2010	400 gal 15% HCl acid dump
Scale Squeeze		6/7/2010	Sqz scale inhib.
Repair Pump Failure		5/20/2014	Pmp chg

CURRENT & PROPOSED WELL BORE SCHEMATICS

Jobs	Type	Summary
Open Additional Pay - OAP		***PROPOSED*** Part & acidize additional pay in the Abo Reef, RTP commingled w/ current perms.

Well Name	NEW MEXICO BO STATE 2	AP/UVI	3002502319	County	Lea	State/Province	New Mexico	Field Name	VACUUM
Location	1980 FSL & 330 FEL	Township	18S	Range	34E	Section	12	Latitude (°)	32° 45' 38.014" N
Original KB Elevation (ft)	Gr Elev (ft)	Original KB Elevation (ft)	Gr Elev (ft)	KB-Ground Distance (ft)	Spud Date				
3,984.00	0.00	3,984.00	0.00						

Vertical schematic (actual)	Original Hole, 1/22/100			Vertical schematic (proposed)
	M/D (ftKB)	TVD (ftKB)	Incl (°)	
	3.9	3.9	0.0	
	16.1	16.1	0.0	
	18.0	18.0	0.0	
	34.1	34.1	0.0	
	39.0	39.0	0.0	
	309.7	309.7	0.0	
	315.9	315.9	0.0	
	2,200.1	2,200.1	0.0	
	2,595.1	2,595.1	0.0	
	3,127.6	3,127.6	0.0	
	3,191.6	3,191.6	0.0	
	5,432.1	5,429.8	3.0	
	8,066.9	8,056.9	4.5	
	8,130.9	8,120.7	4.3	
	8,214.9	8,204.4	4.5	
	8,324.1	8,313.4	4.0	
	8,516.1	8,505.0	3.0	
	8,541.0	8,529.9	3.1	
	8,543.0	8,531.8	3.1	
	8,550.9	8,539.7	3.1	
	8,575.1	8,563.9	3.2	
	8,594.2	8,583.0	3.2	
	8,680.1	8,668.8	3.3	
	8,702.1	8,690.7	3.2	
	8,823.5	8,811.9	2.8	
	8,857.0	8,845.4	3.0	
	8,859.9	8,848.3	3.0	