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

WELL API NO. 30-025-02318 ✓
5. Indicate Type of Lease STATE ■ FEE ☐ ✓
6. State Oil & Gas Lease No. 312477 ✓

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.)

7. Lease Name or Unit Agreement Name: NM BO STATE ✓
1. Type of Well: Oil Well ■ Gas Well ☐ Other
8. Well Number 1 ✓
2. Name of Operator: CROSS TIMBERS ENERGY, LLC ✓
9. OGRID Number 298299 ✓
3. Address of Operator: 400 WEST 7th STREET, FORT WORTH, TX 76102 ✓
10. Pool name or Wildcat: VACUUM; ABO REEF ✓
4. Well Location
Unit Letter H : 1980 feet from the N line and 660 feet from the E line ✓
Section 12 Township 18S Range 34E NMPM County LEA
11. Elevation (*Show whether DR, RKB, RT, GR, etc.*) 3990 KB

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:		ADD PERFS TO ABO REEF POOL	☒	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.

1. Pull well, perforate Abo Reef: 8,122-34', 50-60', 66-78', 83-85', 87-98', 8,213-18', 27-30', 8,234-42', 45-52', 8,256-62'.
2. Isolate old perfs w/ RBP
3. Acidize new perfs w/ 4,300 gal 15% HCL NEFE
3. Swab load
4. POOH RBP, RTP.

See attached present & proposed schematics.

OCD – HOBBS
08/03/2016
RECEIVED

Spud Date: 03/26/1962 Rig Release Date: 05/21/1962

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

SIGNATURE Robbie G. Grigg TITLE Regulatory Compliance DATE 07/28/2016

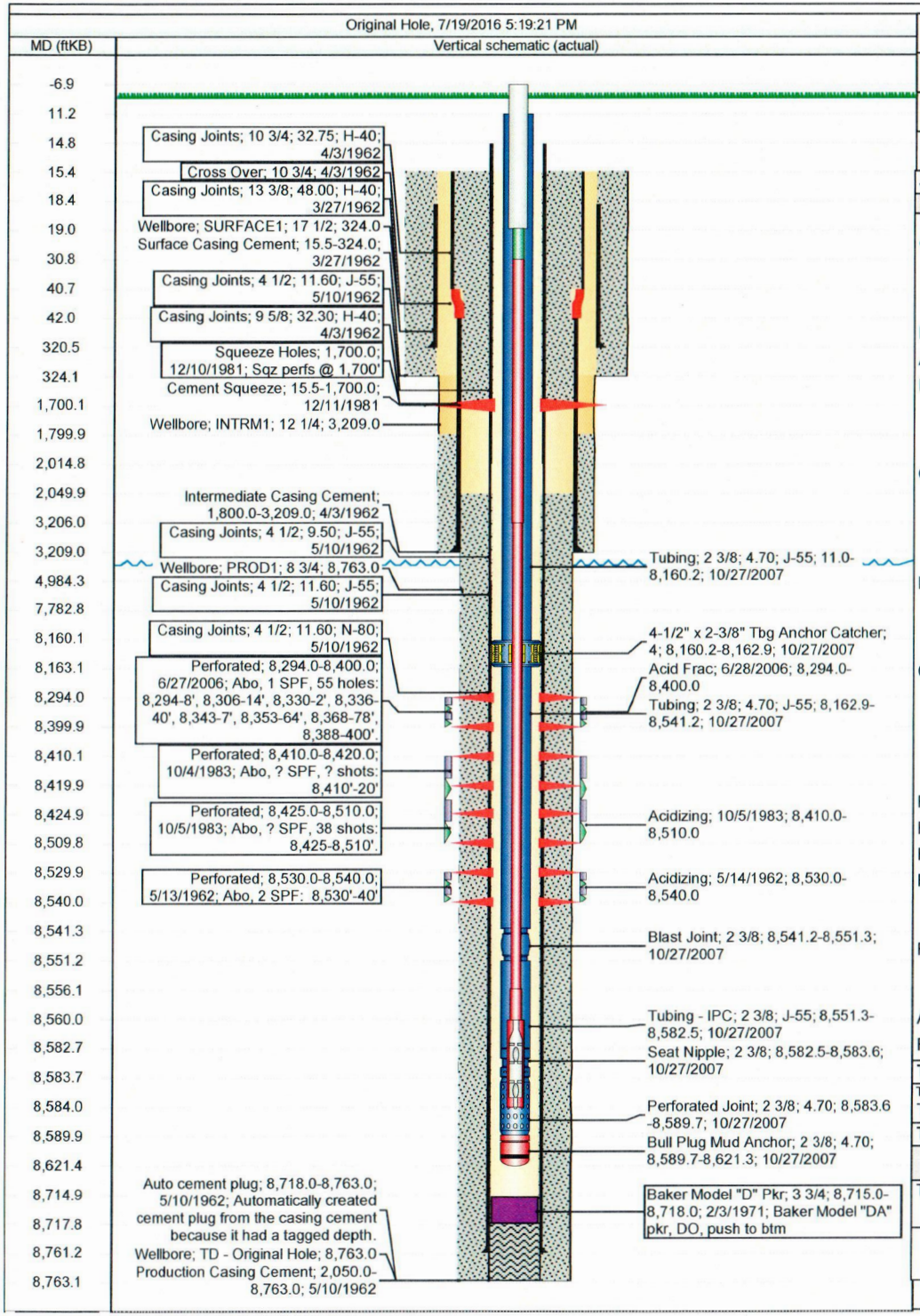
Type or print name _____ E-mail address: rgrigg@mspartners.com PHONE: 817-334-7842

For State Use Only

APPROVED BY: _____ TITLE Petroleum Engineer DATE 08/03/2016

Conditions of Approval (if any):

KZ



Well Name	API/UWI	County	State/Province	Field Name
NEW MEXICO BO STATE 1	3002502318	Lea	New Mexico	VACUUM

Location	Township	Range	Section	Latitude (°)	Longitude (°)
1980 FNL & 660 FEL	18S	34E	12	32° 45' 50.866" N	103° 30' 26.982" W

Original KB Elevation (ft)	Gr Elev (ft)	KB-Ground Distance (ft)	Spud Date
3,990.00	3,989.00	1.00	

Jobs

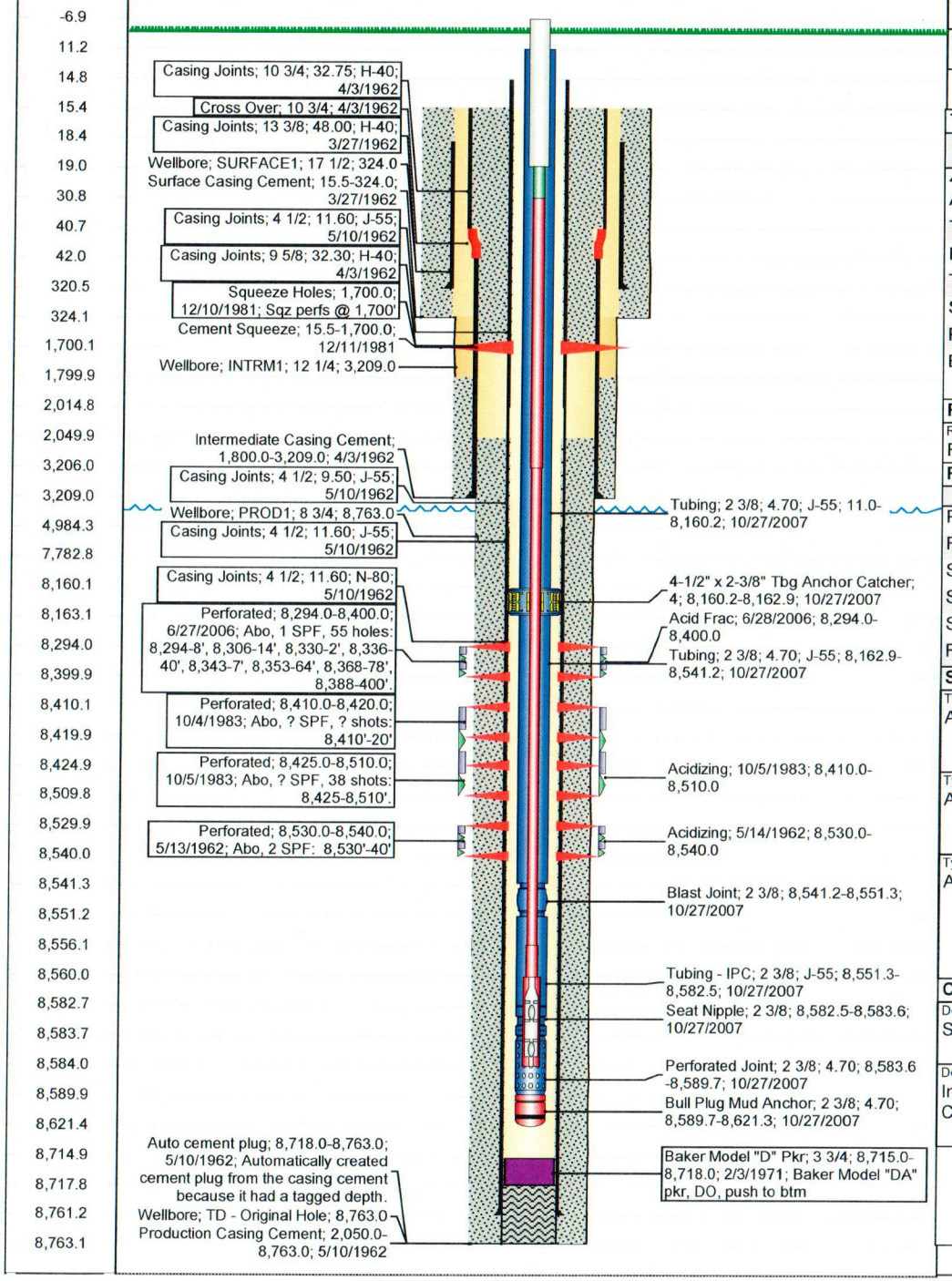
Type	Start Date	Summary
Drilling Original & Initial Completion	3/26/1962	D&C Abo Reef producer, mill on centralizer @ 3,525' (prtd csg??), core 7,832'-8,742', log Welex Son, FoRxo, Cal, Guard, SP, perf @ A. Abo Reef 10k gal 15%, F. under pkr, IP (21' tst) 269 BOPD, 0 wtr, GOR 919, FTP 375, API 41.1.
Repair Pump Failure	8/4/1964	(No record of POP.) Att. fish SV, cut prffn, RTP.
Artificial Lift Upgrade	2/1/1971	DO pkr, push to btm, install TAC.
Remedial Cementing	12/7/1981	Perf 1,700', att. EIR @ 1,000#, no rate, while circ. perfs broke, sqz cmt, circ. ro surf., DO, tst sqz 1,000#, held, RIH bit & scrpr 8,600', A. Abo 3k gal 15% HCL NE, RTP.
Open Additional Pay - OAP	10/3/1983	Pmp stk, jar out, perf Abo Reef, A. new perfs only w/ 6k gal 90/10 HCL/acetic, BLTR 512, SION TP 30, S. IFL 500', 200'/1' entry, rec. 22 BLW, 3 BO/9', FFL 6,000', rec. 7 BO 4 BLW/6.5', commingle, POP.
Repair Pump Failure	4/1/2000	Tbg plugged w prffn, att. HO csg, POOH rods & pmp, att. HO tbg, RIH prfn knife, LD 10 jts, RIH, HO tbg, RTP. Solids analysis from pmp OD indicate 59% CaCO3, 37% prffn.
Open Additional Pay - OAP	6/22/2006	LD tbg, RIH bit on WS, tag 8,619', perf & A. frac Abo (stim new perfs only) w/ 10k gal 15% gelled acid, SION Tp 250, S. IFL 5,500', FFL 7,500'/9', rec. 40 BW, 5-10% OC, SD 1', FL 7,000', SION, TP 125, IFL 6,000', commingle, rplc tbg w new 2-3/8" EUE 8rd, POP.
Repair Polished Rod	11/11/2006	PR box prtd (non-PR cplg), pmp chg.
Repair Rod Failure	1/9/2007	7/8" body brk 101 RFS, pmp chg.
Repair Rod Failure	2/9/2007	7/8" pony rod box brk, fish & hang.
Repair Rod Failure	3/21/2007	7/8 box brk 10 RFS, LD all 7/8" rods, 80 3/4" rods, rplc 3/4 w new D78 and 7/8 w insp. D, chg 7/8 cplgs to SH.
Repair Tbg Failure	10/24/2007	POOH rods & pmp, SV tst tbg, held, RIH pmp & rods, tbg wouldn't hold, unseat, flush soapy wtr, still no hold, hydrtst tbg, hole in jt abv blast jt,
Artificial Lift Upgrade	7/18/2008	Install csg head compressor.
Repair Rod Failure	11/14/2012	7/8 box brk 3 pony RFS, pmp chg.

Tubing Strings

Tubing Description	Run Date	Comment
Tubing - Production	10/27/2007	Blast jt is SS

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Com
Tubing	2 3/8	4.70	J-55	260	8149.2	8160	



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3,990.00	3,989.00	1.00	

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Com
4-1/2" x 2-3/8" Tbg Anchor Catcher	4			1	2.7	8163	
Tubing	2 3/8	4.70	J-55	12	378.3	8541	
Blast Joint	2 3/8			1	10.1	8551	
Tubing - IPC	2 3/8		J-55	1	31.3	8583	
Seat Nipple	2 3/8			1	1.1	8584	
Perforated Joint	2 3/8	4.70		1	6.1	8590	
Bull Plug Mud Anchor	2 3/8	4.70		1	31.6	8621	

Rod Strings

Rod Description	Run Date	Comment
Rod String	11/15/2012	

Rod Components

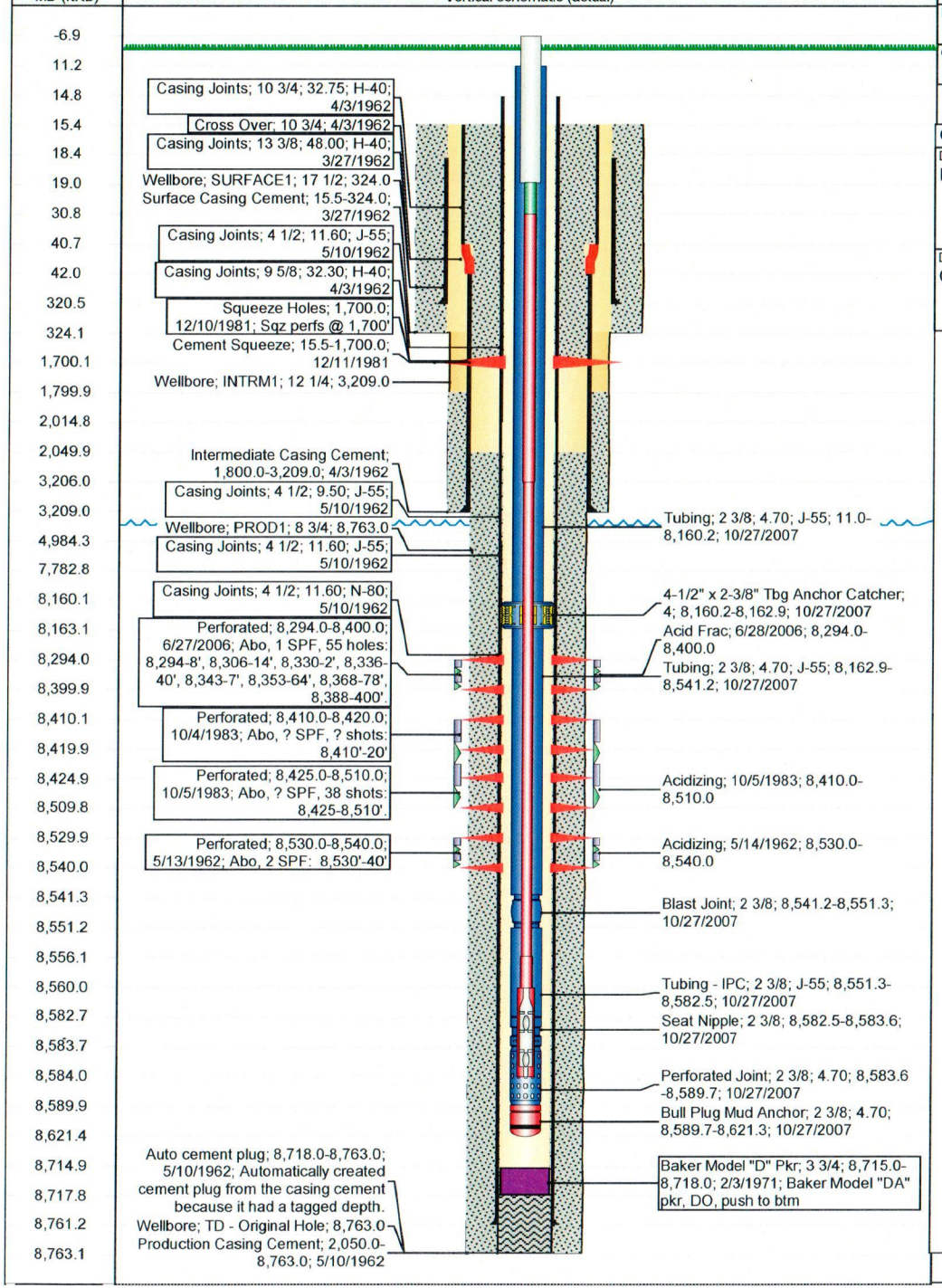
Item Des	OD (in)	Grade	Jts	Len (ft)	Btm (ftKB)
Polished Rod	1 1/2	SM	1	26	19
Rod Sub	7/8	D	3	12	31
Sucker Rod	7/8	D	127	3175	3206
Sucker Rod	3/4	D	214	5350	8556
Stabilizer Rod	7/8	D	1	4	8560
Rod Insert Pump	1 1/4		1	24	8584

Stim/Treat Stages

Type	Zone	Start Date	Top (ftKB)	Btm (ftKB)	Comment
Acidizing	ABO, Original Hole	5/14/1962	8,530.0	8,540.0	10k gal 15% HCL NE, TR 4.5, MTP 5,300, Min TP 4,400, 5" SIP 1700, 20" vac
Acidizing	ABO, Original Hole	10/5/1983	8,410.0	8,510.0	6k gal 90/10 HCL NE, TR 4.5-5, TP 0-3700, gd BA, BO @ 5,000#, ISIP 0.
Acid Frac	ABO, Original Hole	6/28/2006	8,294.0	8,400.0	1500 gal 15% HCL w/ 15 BS/4 bbls acid, TR 6, TP 28#, no BA, surge, pmp 48 bbls gel acid, TR 9, TP 170, caught fluid, TR 8.4, TP climb to 3016, ISIP 805, 5" vac.

Cement Stages

Description	Start Date	Top (ftK...	Btm (ft...	Top Meas...	Comment
Surface Casing Cement	3/27/1962	15.5	324.0	Cement Returns	325 sx Reg. + 4% gel, circ. 35 sx.
Intermediate Casing Cement	4/3/1962	1,800.0	3,209.0	Temperature Survey	500 sx Reg + 8% gel, no circ.



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3,990.00	3,989.00	1.00	

Cement Stages

Description	Start Date	Top (ftK...	Btm (ft...	Top Meas...	Comment
Production Casing Cement	5/10/1962	2,050.0	8,763.0	Temperature Survey	Lead: 200 sx Reg + 300# 12-15, 2% CalCl, 1525 sx Reg + 8% gel, Tail: 200 sx Reg neat, no circ.
Cement Squeeze	12/11/1981	15.5	1,700.0	NO IDEA	Sqz lead: 550 sx Class C + 8% gel; Tail: 150 sx Class C neat, circ. 150 sx to surf.

CURRENT & PROPOSED WELL BORE SCHEMATICS

Jobs

Type	Summary

Well Name	API/UWI	County	State/Province	Field Name
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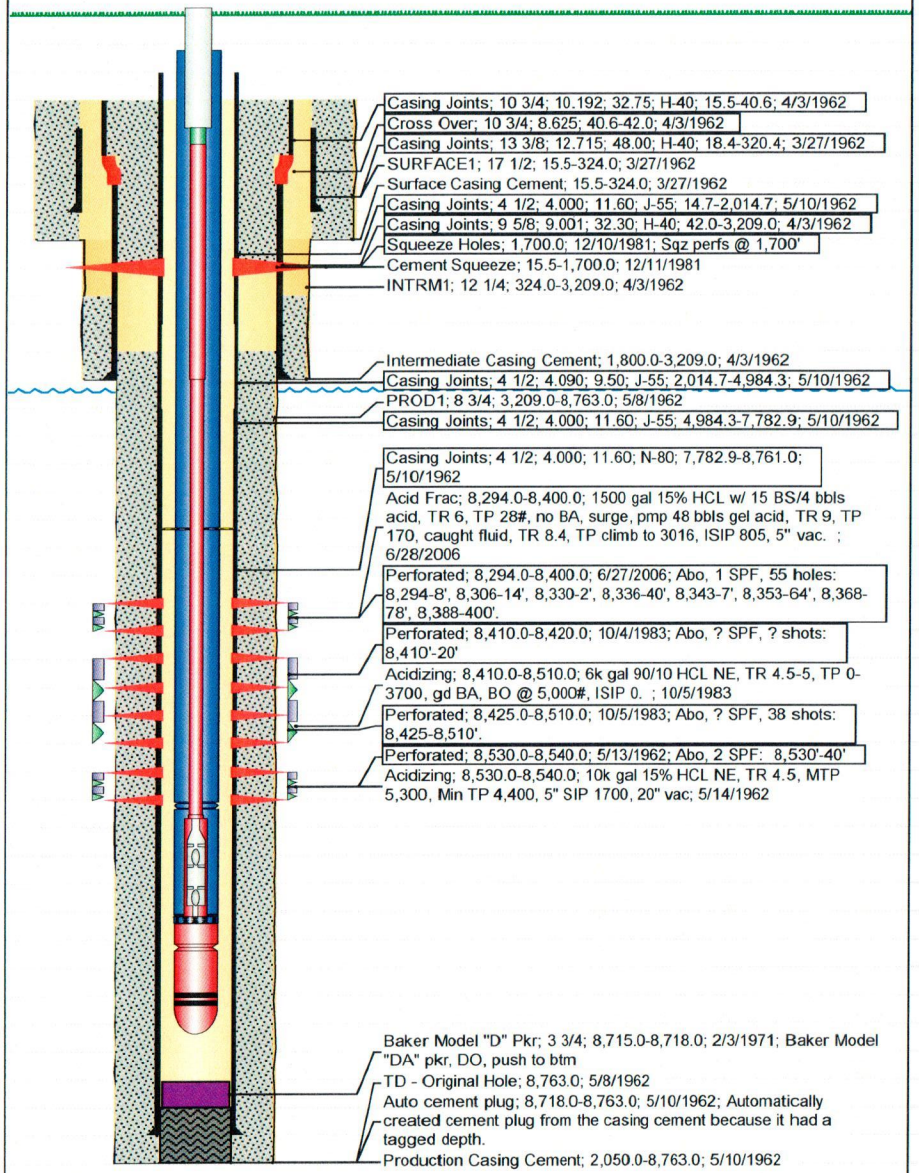
3,990.00	3,989.00	1.00	

Original Hole, 8/2/2100 1:00:00 AM

Vertical schematic (actual)



MD (ftKB)
-24.9
1.0
10.2
14.8
15.4
18.4
40.7
42.0
320.5
324.1
1,700.1
1,799.9
2,014.8
2,049.9
3,209.0
4,984.3
7,782.8
8,002.6
8,005.6
8,122.0
8,258.9
8,275.9
8,294.0
8,399.9
8,410.1
8,419.9
8,424.9
8,509.8
8,529.9
8,540.0
8,571.9
8,576.1
8,577.1
8,581.0
8,603.3
8,604.3
8,605.0
8,610.6
8,642.1
8,714.9
8,717.8
8,761.2
8,763.1

Vertical schematic (proposed)