

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

**RECEIVED
ELECTRONIC REPORT**

JUN 29 2001

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

BLM DURANGO

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. 142060462
2. Name of Operator CROSS TIMBERS OPERATING CO		6. If Indian, Allottee or Tribe Name UTE MOUNTAIN UTE
3a. Address 2700 FARMINGTON AVE BLDG K SUITE 1 FARMINGTON, NM 87401		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 505.324.1090 Ext: 4020		8. Well Name and No. UTE INDIANS A 31
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 26 T32N R14W Mer NWSW 2350FSL 800FWL		9. API Well No. 30-045-30492-00-X1
		10. Field and Pool, or Exploratory UTE DOME
		11. County or Parish, and State SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

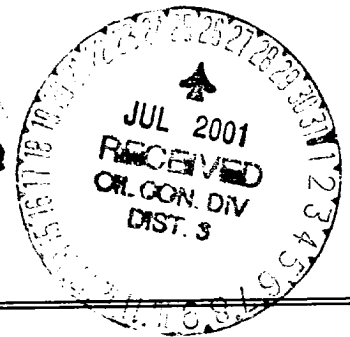
TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Completion Summary Attached.

Submitting Engineer: Thomas Delong
Submittal Date: 6/12/01

ACCEPTED FOR RECORD
By: *DLP* 7.24.01
San Juan Resource Area
Bureau of Land Management



14. I hereby certify that the foregoing is true and correct. Electronic Submission #5205 verified by the BLM Well Information System For CROSS TIMBERS OPERATING CO, sent to the Durango Committed to AFMSS for processing by Ruth Richardson on 06/29/2001 (01RR0748SE)	
Name (Printed/Typed) (None Specified)	Title
Signature	Date 06/21/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

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RESERVOIR: DAKOTA

- 07/07/00 NCE Survey of Farmington, NM staked the well location @ 2,350' FSL & 800' FWL in sec 26, T32N, R14W, San Juan County, NM.
- 10/02/00 CTOC San Juan District office filed the APD with the BLM office in Durango, CO.
- 01/17/01 CTOC San Juan District office received an approved APD from the BLM office in Durango, CO.
- 02/09/01 Weeminuche Construction Authority of Towaoc, CO. compl const of the wellsite loc.
- 02/19/01 Drlg @ 160' (160'/24 hrs), survey 1/2 deg @ 106', spud mud, bit #1, 12-1/4" HTC, C-22, SN #V77BP, bit nozzels 13/13/13, in @ surf (160'/6-1/2 hrs), WOB all, RPM 120, PP 600#, SPM 115, GPM 320, liner size 6-1/2" x 8". RU RT 14 hrs, drlg 6-1/2 hrs, survey 1/2 hrs, safety mtg 1/2 hr, misc 2-1/2 hrs. MIRU Bearcat Drilling rig #4. Spudded 12-1/4" hole @ 11:15 p.m. (2/18/01). Drlg @ 160' in MV ss.
- 02/20/01 Drlg @ 560' (430'/24 hrs), Survey: 1/4 deg @ 360', spud mud, added 72 sx gel, 3 sx SA & 5 sx lime, Bit #1, 12-1/4" HTC, C-22, SN #V77BP, Bit nozzels 13/13/13, In @ surf, Out @ 391' (391'/8-3/4 hrs), WOB all, RPM 120, PP 600#, SPM 115, GPM 320, liner Size 6-1/2" x 8". Bit #2, 7-7/8" Sec, XS-17, SN #742773, Bit nozzels 12/12/12, in @ 391' (169'/2-1/2 hrs), WOB 40K, RPM 65, PP 800#, SPM 115, GPM 320, liner Size 6-1/2" x 8". Drlg 7-1/2 hrs, survey 1/2 hrs, trip 1-1/4 hrs, C&C 1/2 hrs, rm csg & cmt 1-3/4 hrs, WOC 4 hrs, NU & PT BOP's 8 hrs, safety mtg 3/4 hr. Drld to 380'. Circ. TOH w/DP & BHA. RU & rm 9 jts 8-5/8", 24.0#, J-55 csg as follows: Tex Pattern Guide Shoe (0.67') & 9 jts 8-5/8" csg (370.93'). Installed 4 centralizers as per procedure. Landed csg @ 383.92' KB. RU BJ Services. Cmt'd csg w/250 sx type III cmt w/2% CaCl2 & 1/4#/sx celloflake (14.8 ppg 1.35 cuft/sx). Disp cmt w/22 BFW. Bumped plug @ 450 psig (250 psig over final pump press). Float did not hold. SWI. Circ 15 bbls cmt to surface. PT BOP's, choke manifold & line, kelly cock & surf csg to 250/1,500
- 02/21/01 TOH @ 1,860' (1,430'/24 hrs), Survey: 3/4 deg @ 594', 1 deg @ 813', 2 deg @ 1,092', 1-1/4 deg @ 1,231', 1-3/4 deg @ 1,285', 1-1/4 deg @ 1,501' & 1-1/4 deg @ 1,695', wtr & polymer, added 14 sx gel, 15 sx LCM & 5 sx lime, Bit #2, 7-7/8" Sec, XS-17, SN #742773, Bit nozzels 12/12/12, in @ 391' (1,470'/21-3/4 hrs), WOB 30-35K, RPM 65-70, PP 900#, SPM 115, GPM 320, liner Size 6-1/2" x 8". Drlg 19-1/4 hrs, survey 3 hrs, rig serv 1/2 hr, C&C 1/2 hr, safety mtg 3/4 hr. TOH w/DP to fish
- 02/22/01 Drlg @ 2,712' (1,282'/24 hrs), Survey: 1 deg @ 1,916', 1-1/2 deg @ 2,139', 3 deg @ 2,357', 3-1/4 deg @ 2,452' & 2-1/2 deg @ 2,640', wtr & polymer, added 28 sx gel, 12 gals EZ-Mud & 10 sx lime. Bit #2, 7-7/8" sec, XS-17, SN #742773, bit nozzels 12/12/12, in @ 391' (2,322'/39-1/4 hrs), WOB 15-20K, RPM 65-70, PP 900#, SPM 115, GPM 320, liner size 6-1/2" x 8". Drlg 17-1/2 hrs, survey 2-1/2 hrs, trip 2-1/4 hrs, rig serv 3/4 hr, C&C 1/4 hr, safety mtg 3/4 hr. Rec Totco. Resumed drlg.

- 02/23/01 C&C for TOH @ 3,039' (327'/24 hrs), Survey: mis-run @ 2,935' & 1-1/2 deg @ 2,935', wtr & polymer, added 27 sx gel, 10 gals EZ-Mud & 16 sx lime. Bit #2, 7-7/8" sec, XS-17, SN #742773, bit nozzels 12/12/12, in @ 391', out @ 3,039' (2,648'/60 hrs), WOB 20-30K, RPM 65-70, PP 900#, SPM 115, GPM 320, liner size 6-1/2" x 8". Drlg 20-3/4 hrs, survey 1-1/2 hrs, rig serv 3/4 hr, C&C 1/4 hr, safety mtg 3/4 hr. Prep to TFB
- 2/24/01 Short trip @ 3,350' (drillers TD)(311'/24 hrs), Survey: 1-1/4 deg @ 3,180', MW 8.8, vis 60, PV/YP 13/5, gels 4/6, WL 6.4, solids 3.5%, sd 1%, pH 11.5, added 76 sx gel, 1 gals EZ-Mud, 34 sx LCM, 6 sx pac, 18 sx lime & 16 sx Dextrid. Bit #3, 7-7/8" Sec, XS-20, SN #743633, bit nozzels 12/12/12, in @ 3,039', out @ 3,350' (311'/13-1/4 hrs), WOB 25K, RPM 70, PP 900#, SPM 110, GPM 320, liner size 6-1/2" x 8". Drlg 13-1/4 hrs, W&R 1/2 hrs, survey 1/2 hrs, trip 4-3/4 hrs, rig serv 1/2 hr, C&C 1 hr, cut DL 2-3/4 hrs, safety mtg 3/4 hr. Reached drillers TD @ 3:45 a.m. MST (2/24/01).
- 02/25/01 TOH & LDP @ 3,359' (drillers TD, corrected)(3,359' loggers TD) (0'/24 hrs). MW 8.9, vis 56, WL 6.8, added 84 sx gel, 40 sx bar, 6 sx LCM, 6 sx Dextrid, 1 gal EZ-Mud & 2 sx pac. Trip 10-1/4 hrs, C&C 1-1/4 hrs, log 12 hrs, safety mtg 1/2 hr. RU Schlumberger WL. Rn AIL/MSFL/GR/SP/Cal fr/3,359' KB (loggers TD) to btm of surf csg & LDT/CNL//Pe fr/3,359' KB to 1,250'. Rn FMI log fr/3,359'-2,340'. RDMO WL. TIH. C&C. Reduced mud vis. Std TOH & LD DP & DC's.
- 02/26/01 Released Rig @ 3,359' KB (drillers TD, corrected). RD 7 hrs, C&C 2-1/4 hr, Rn csg & cmt 4-1/2 hrs, ND BOP's 1-1/2 hrs, jet pit 2-3/4 hrs, SDFN 6 hrs. Fin TOH & LD DP & DC's. RU csg crew. TIH w/csg. Ran 75 jts 4-1/2", 10.5#, K-55, STC csg as follows: Cmt nose guide shoe (0.67'), 1 shoe jt 4-1/2", 10.5#, J-55 csg (44.92'), Float Collar (0.85') & 74 jts 4-1/2", 10.5#, J-55 csg (3,298.19') to surf. Csg set 3,356.86' KB. Top of mkr jt @ 2,366' KB. Installed 18 centralizers as per procedure. RD csg crew. RU BJ Services. Cmt'd csg w/900 sx 50/50 (poz/type III) w/2% gel, 1/4#/sx celloflake & 2% CaCl₂ (12.8 ppg, 1.54 cuft/sx). Disp w/25 BFW, & 28 bbls mud. Bumped plug to 750 psig. Rel press. Float held OK. Circ 80 bbls cmt to surf. WOC for 2 hrs. ND BOP's. Cut csg. Set slips.
- 05/15/01 Dug pit & inst wooden cellar. Set new F&B 6' x 12', 120 bbl, steel wtr pit tnk w/exp metal top (SN FB0085) in cellar fr/CTOC stock. SDFN.
- 05/16/01 Set new Permian Fab 30" x 10', 250 psig WP, 2ph, vert sep w/heated wtr bath & 100 MBTU burner (SN 3021A-1) fr/CTOC stock. Dug FL ditch fr/WH to sep inlet & sep outlet ditch to WFS mtr run. Inst welded 3" S40 FB pipe fr/WH riser to sep inlet & sep outlet to mtr run. Inst auto ck & vent vlv on sep outlet. Conn FL to sep inlet w/sep swb by-pass line & gas outlet to mtr run. Inst 2" T&C sep wtr
- 05/17/01 Built pit tnk berm & fence. Tnk btry const compl.
- 05/23/01 MIRU LCE rig #3. Installed WH. NU BOP. TIH w/NC, SN & 2-3/8" tbg to 2951.5'. SWI. SDFN.

gals foam flush (59 Q). RDMO frac equip. 1 hr 47 min SIP 1,540 psig. Op well on 1/4" ck. F. 14 BLW, FCP 1,540 - 720 psig, 1/4" ck, 3 hrs. Flwg foamy wtr, sd & N2.

- 06/01/01 F. 9 BLW, FCP 60 - 25 psig, 3/8" ck, 10 hrs. Rec wtr, N2 & light to no sd. Chg'd to 2" line. F. 2 BLW, FCP 25 - 0 psig, 2" lines, 2 hrs. Well dead. SWI. SDFN. 414 BLWTR.
- 06/02/0 SICP 450 psig. Blew well dwn. Rec 4 BLW (no sd). Removed frac vlv. NU BOP. TIH w/NC, SN & 2-3/8" tbg. Tgd fill @ 2,497' (152' fill). DK perms fr/2,444'-2,540'. Established circ & CO fill to 2,560'. Lost circ. TOH. TIH w/NC, SN, ck vlv, 10 jts 2-3/8" tbg (cavity), pmp style bailer & 2-3/8" tbg. CO to 2,552'. Perfs making sd. Cavity full. TOH w/10 jts 2-3/8" tbg. SWI. SDFN. Well flwg throughout CO w/bailer. 490 BLWTR.
- 06/03/0 SDF Saturday. 490 BLWTR.
- 06/04/0 SDF Sunday. 490 BLWTR.
- 06/05/0 SITP 450 psig, SICP 450 psig. Fin TOH w/bailer. Emptied cavity. Corrected tally. CO to 2,603' (corrected depth). PBDT 2,606'. TIH w/NC, SN & 2-3/8" tbg to 2,435'. RU to swb. BFL 200' (scattered). S. 1 run. Well KO. Flwd to pit. F. 22 BLW, FTP 10 - 40 psig, SICP 190 psig, 2" line, 5-1/2 hrs. Left well flwg. 468 BWLTR.
- 06/06/0 F. 28 BLW, FTP 5 psig, SICP 150 psig, 12 hrs. TIH & tgd @ 2,565' (42' fill). DK perms fr/2,444'-2,540'. TOH. TIH w/NC, SN, ck vlv, 10 jts 2-3/8" tbg (cavity), pmp style bailer & 2-3/8" tbg. CO fill to 2,603'. TOH. Emptied cavity. TIH w/NC, SN & 77 jts 2-3/8" tbg to 2,497'. RU to swb. BFL scattered. Well flwg. S. 1.5 BLW, 2 runs. SICP 125 psig. F. 3 BLW, FTP 2 - 5 psig, SICP 125 psig, 3.5 hrs. SWI for 15". SITP 25
- 06/07/0 FTP 5 psig, SICP 140 psig. Rec 12 BLW. Installed Merla tester w/3/8" choke. F. 0 BO, 0 BW, 220 MCFPD (est wet gas rate), FTP 60 psig, SICP 148 psig, 3 hrs. TIH & tgd @ 2,526' (81' fill). TOH. TIH w/NC, SN, float sub, 10 jts 2-3/8" tbg (cavity), pmp style bailer & 2-3/8" tbg. CO frac sd to 2,575'. TOH & emptied cavity. TIH w/same BHA & tgd @ 2,569'. CO to 2,603'. TOH. SWI.
- 06/08/0 SICP 360 psig. Blew dwn well. Killed well w/15 bbls 2% KCl wtr. TIH w/4-1/2" RBP & pkr. Set pkr @ 2,513'. RU Schlumberger transport. RU C&J pmp trk. Transfer 48 BW w/15% U100 fr/transport to pmp trk. RD transport. Treated DK perms fr/2,526'-40' w/18 BW w/15% U100 (mutual solvent). Ppd @ 1.5 BPM & 0 psig. ISIP vac. SD for 10". Rel pkr. Set RBP @ 2,513' & pkr @ 2,475'. Treated DK perms fr/2,490'-2,501' w/15 BW w/15% U100. Ppd @ 1.5 BPM & 0 psig. ISIP vac. SD for 10". Rel pkr. Had 2' fill on top of RBP. Ppd 10 bbls 2% KCl dwn tbg. Latched on to RBP. Set RBP @ 2,475' & pkr @ 2,400'. Treated DK perms fr/2,444'-62' w/15 BW w/15% U100. Ppd @ 1.5 BPM & 0 psig. ISIP vac. SD for 2". RD pmp trk. Rel pkr. Had 6" fill on top of RBP. Ppd 9 bbls 2% KCl dwn tbg. Latched onto RBP. TOH. TIH w/NC, SN & 75 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg. EOT @ 2,435'.

05/24/01 Circ hole w/50 bbls 2% KCl wtr. TOH. Remove WH. Installed 5,000 psig frac vlv. RU Three Rivers pmp trk. PT csg to 3,800 psig. Held OK. RD pmp trk. Remove frac vlv. Installed WH. NU BOP. TIH w/2-3/8" tbg to 2,282'. Swbd FL dwn to 1,975' FS. TOH. RU BWWC WL trk. Ran GR/CCL log fr/3,180' (loggers PBTD) to surf. Perf'd Burro Canyon w/3-1/8" scalloped csg gun (23 gm charges, 0.36" dia, 12 holes) fr/2,657'-60' @ 4 SPF. RD WL trk. TIH w/4-1/2" Baker Fullbore pkr & 2-3/8" tbg. Set pkr @ 2,607'. RU to swb. BFL 1,000' FS. S. 20

05/25/01 SITP 5 psig. RU to swb. BFL 1,200' FS. S. 54 BW, 18 runs. Little gas w/ea run. FFL 1,500' FS. Rel pkr & TOH. LD pkr. PU CIBP. TIH. Set CIBP @ 2,649'. PUH to 2,280'. Swbd FL down to 2,000'

05/26/01 TOH w/2-3/8" tbg. RU BWWC WL trk. Perf'd the Dakota w/3-1/8" scalloped csg gun (23 gm chrgs, 0.36" dia, 12 holes) fr/2,615'-18' @ 4 SPF. TIH w/Schlumberger HD compression pkr, SN & 2-3/8" tbg. Set pkr @ 2,577'. SN @ 2,574'. RU to swb. BFL 1,400' FS. S. 4 BW, 3 runs. FFL @ SN. No gas. SDF 1 hr. BFL 1,400' FS. S. 4 BW, 3 runs. FFL @ SN. SDF 1 hr. BFL 1,400' FS. S. 4 BW, 3 runs. FFL SN. BD perfs @ 1,000 psig w/2% KCl wtr. Loaded tbg & ppd 3 bbls 2% KCl wtr @ 1/2 BPM & 700 psig. RU to swb. S. 8 BLW, 4 runs. FFL @ SN. SDF 30". BFL 1,600' FS. S. 3 BLW, 2 runs. No gas FFL @ SN. SDF 1 hr. BFL 1,400' FS. S. 2 BLW & 3

05/27/0 SDF Saturday

05/28/0 SDF Sunday.

05/29/0 SDF holiday.

05/30/0 SITP 0 psig, SICP 0 psig. BFL 1,200' FS. S. 3 BW, 2 runs. FFL @ SN (2,574'). SICP 0 psig. Rel pkr & TOH. LD pkr. TIH w/4-1/2" CIBP & 2-3/8" tbg. Set CIBP @ 2,607'. PT CIBP to 1,000 psig. Held OK. TOH w/2-3/8" tbg. RU BWWC WL trk. Perf'd Dakota w/3-1/8" HSC csg gun (12 gm chrgs, 0.30" dia, 37 holes) @ 1 SPF fr/2,526'-40', 2,490'-2,501', 2,456'-62' & 2,444'-50'. RD WL trk. TIH w/4-1/2" RBP & pkr & 74 jts 2-3/8" tbg to

05/31/01 SITP 0 psig, SICP 0 psig. TIH & set pkr @ 2,513'. RU Halliburton acid trk. A. DK perfs fr/2,526'-40' w/700 gals 15% HCl acid. BD @ 1,720 psig. Ppd @ 5 BPM & 1,850 psig. ISIP 350 psig. 30 sec SIP 0 psig. Rel pkr. Set RBP @ 2,513' & pkr @ 2,475'. A. DK perfs fr/2,490'-2,501' w/550 gals 15% HCl acid. BD @ 2,300 psig. Ppd @ 5 BPM & 1,600 psig. ISIP 550 psig. 5" SIP 243 psig. Rel pkr & ret RBP. Set RBP @ 2,475' & pkr @ 2,400'. A. DK perfs fr/2,444'-62' w/600 gals 15% HCl acid. BD @ 1,600 psig. Ppd @ 5 BPM & 1,450 psig. ISIP 500 psig. 5" SIP 195 psig. RD acid trk. Rel pkr & RBP. TOH & LD tools. RU Schlumberger frac services. Frac DK perfs fr/2,444'-2,540' dwn csg w/53,687 gals 25#, Borate x-linked, gelled, 70Q foamed, 2% KCl wtr (419,600 scf N2, 63 gal F104 foamer, 60# J218 breaker, 18 gals J318 breaker) carrying 90,694# 20/40 Brady sd & 15,474# 20/40 Super L (RCS). AIR 45.2 BPM (btm hole foam rate). ATP 2,259 psig. Max TP 2,779 psig. ISIP 1,955 psig. 5" SIP 1,831 psig. 10" SIP 1,781 psig. 15" SIP 1,749 psig. 383 BLWTR fr/frac. Frac'd as follows: 15,920 gals pad, 4,036 gals w/1 ppg sd conc, 6,037 gals w/2 ppg sd conc, 9,003 gals w/3 ppg sd conc, 12,600 gals w/4 ppg sd conc, 4,017 gals w/4 ppg Super L conc & 1,517