

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____				5. LEASE DESIGNATION AND SERIAL NO. 14-20-604-62	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE MOUNTAIN UTE TRIBE	
2. NAME OF OPERATOR Cross Timbers Operating Company				7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401				8. FARM OR LEASE NAME, WELL NO. Ute Indians "A" #33	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 200' FNL & 700' FEL At top prod. interval reported below 472' FNL & 791' FEL At total depth 641' FNL & 849' FEL				9. API WELL NO. 30-045-30490	
14. PERMIT NO.				10. FIELD AND POOL, OR WILDCAT UTE DOME DAKOTA	
15. DATE SPUDDED 03/06/01				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 03, T31N, R14W	
16. DATE T.D. REACHED 03/11/01				12. COUNTY OR PARISH San Juan	
17. DATE COMPL.(Ready to prod.) 08/24/01				13. STATE NM	
18. ELEVATION OF, TO, FROM, GR, ETC.* 5,991' KB 5,979' GL				19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 3,245'		21. PLUG, BACK T.D., MD & TVD 2,400' (CIBP)		22. IF MULTIPLE COMPL. HOW MANY*	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) DAKOTA 2,235' - 2,298'				25. WAS DIRECTIONAL SURVEY MADE YES	
26. TYPE ELECTRIC AND OTHER LOGS RUN AIL/MSFL/GR/SP/CAL/LDT/CNL/PE/FMI				27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE		WEIGHT, LB./FT.		DEPTH SET (MD)	
8-5/8" J-55		24#		370'	
4-1/2" J-55		10.5#		3,245'	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
2-3/8"		2,270'			
31. PERFORATION RECORD (If not perforated, state reason)					
See Attached					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
See Attached			SEE ATTACHED		
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD: Flowing, gas lift, pumping - size and type of pump			WELL STATUS (Producing or shut-in)
		FLOWING			SHUT-IN
DATE OF TEST 08/31/2001		HOURS TESTED 3	CHOKE SIZE 3/8"	PROD'N. FOR TEST PERIOD 0	OIL - BBL. 21.6
FLOW. TUBING PRESS. 45		CASING PRESSURE 195	CALCULATED 24-HOUR RATE 0	GAS - MCF. 173	WATER - BBL. 60
					OIL GRAVITY - API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD					TEST WITNESSED BY Dale McInnes
35. LIST OF ATTACHMENTS PERF RECORD, COMPLETION SUMMARY, FRAC RECORD					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED		TITLE		DATE	
[Signature]		THOMAS DELONG		8/31/01	

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
PT LOOKOUT SND	273'			PT LOOKOUT SDSTN	273'	
MANCOS SHALE	535'			MANCOS SHALE	535'	
GALLUP SNDSTONE	1,375'			GALLUP SNDSTONE	1,375'	
GRNHORN LIMESTN	2,093'			GRNHORN LIMESTN	2,093'	
GRANEROS SHALE	2,159'			GRANEROS SHALE	2,159'	
DAKOTA SNDSTONE	2,228'			DAKOTA SNDSTONE	2,228'	
BURRO CYN SNDSTN	2,426'			BURRO CYN SNDSTN	2,426'	
MORRISON FMT	2,454'			MORRISON FMT	2,454'	

Ute Indians A #33						
Perf Record						
Morrison	0.36" dia	32 holes	2,788'-2,796'	4 SPF	CIBP @2,782'	
Morrison	0.36" dia	16 holes	2,756'-2,760'	4 SPF	CIBP @2,736'	
Morrison	0.36" dia	12 holes	2,719'-2,722'	4 SPF	CIBP @2,700'	
Dakota	0.36" dia	24 holes	2,440'-2,243' 2,427'-2,430'	4 SPF	CIBP @2,400'	
Dakota	0.36" dia	28 holes	2,295'-2,298' 2,277'-2,281' 2,270'-2,275' 2,235'-2,251'	1 JSPF		
Acidize Record						
Morrison perfs	2,788'-2,796'	500 gal	15% HCl acid			
Dakota perfs	2,295'-2,298'	3.5 bbls	15% HCl acid			
Dakota perfs	2,270'-2,281'	11 bbls	15% HCl acid			
Dakota perfs	2,235'-2,351'	19 bbls	15% HCl acid			
Frac Record						
Dakota perfs	2,234'-2,298'	29,932 gals	20#, Borate x-linked, gelled, 70Q foamed, 2% KCl wtr carrying 65,980# 20/40 Brady sd & 6,300# 14/40 Flex Sand MS.			

UTE INDIANS A # 33

Friday, August 31, 2001

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RESERVOIR DAKOTA

FORECAST

400

MCFPD

08/25/01 MIRU Expert SL trk. RIH w/BHP guage. SIP @ surf - 374 psig. SIP @ 2,235' - 397 psig. SIP @ 2,377' - 443 psig (106.76 deg F). No liquid in hole. DK perfs fr/2,235'-2,298'. POH w/BHP guage. RD SL trk. Left well SI. 135 BLWTR.

08/24/01 SITP 370 psig, SICP 370 psig. Blew well dwn. TIH & tgd @ 2,217' (23' fill). CO to 2,240' (CIBP) w/AFU. Circ for 2 hrs. TOH & LD BHA. TIH w/NC, SN, 69 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg & 2 - 8' & 1 - 2' x 2-3/8" tbg subs. Ran tbg broach. ND BOP. NU WH. EOT @ 2,270'. SN @ 2,269'. DK perfs fr/2,235'-98'. SWI. RDMO LCE rig #1. 135 BLWTR.

08/23/01 SITP 50 psig, SICP 30 psig. Tgd @ 2,271' (129' fill). CO to 2,276' w/bailer. TOH & LD BHA. RU Lea Fishing Tools AFU. TIH w/3-7/8" bit & 2-3/8" tbg. CO frac sd to 2,400' (CIBP). Circ for 3 hrs. PUH to 2,150'. SWI. SDFN. Rec ttl 50.5 BLW. 161 BLWTR.

08/22/01 7:00 a.m.: F. 0 BLW, light blow, 1/2" ck, 1 hr. Removed frac vlv. NU BOP. TIH w/NC, SN & 2-3/8" tbg. Tgd @ 2,251' (149' fill). DK perfs fr/2,235'-2,298'. TOH. TIH w/NC, ck vlv, 15 jts 2-3/8" tbg (cavity), HD pmp style bailer & 2-3/8" tbg. CO frac sd to 2,260'. Bailer quit working. TOH. CO cavity. Bailer & ck vlv were OK. TIH w/3-7/8" bit, ck vlv, 15 jts 2-3/8" tbg (cavity), bailer & 2-3/8" tbg. CO to 2,272'. Bailer quit working. TOH & emptied cavity. BHA ckd OK. TIH w/same BHA to 2,121'. SWI. SDFN. Used ttl 50 bbls 2% KCl wtr. 212 BLWTR.

08/21/01 SITP 300 psig, SICP 130 psig. Blew well dwn. TOH w/RBP & pkr. ND BOP. Installed 5,000 psig frac vlv. RU BJ Services. Frac'd DK perfs fr/2,235'-2,298' dwn 4-1/2" csg w/29,932 gals 20#, Borate x-linked, gelled, 70Q foamed, 2% KCl wtr (250,450 scf N2, 29 gal FAW-4 foamer, 8 gals Enzyme G breaker, 7# High Perm CRB-LT breaker) carrying 65,980# 20/40 Brady sd & 6,300# 14/40 Flex Sand MS. AIR 40 BPM (btm hole foam rate). ATP 2,200 psig. Max TP 2,400 psig. ISIP 1,741 psig. 5" SIP 1,640 psig. 10" SIP 1,605 psig. 15" SIP 1,590 psig. 214 BLWTR fr/frac. Frac'd as follows: 9,436 gals pad, 2,436 gals w/1 ppg 20/40 sd conc, 3,864 gals w/2 ppg 20/40 sd conc, 5,768 gals w/3 ppg 20/40 sd conc, 6,972 gals w/4 ppg 20/40 sd conc (w/15% Flex Sand MS) & 1,199 gals foam flush. RDMO frac equip. Inst flowback manifold. 2 hr SIP 1,440 psig. Op well on 1/8" ck. F. 10 BLW (foamy wtr, N2 & sd), FCP 1,200 - 740 psig, 1/8" ck, 2.5 hrs. Chg'd to 1/4" ck. F. 18 BLW (foamy wtr, N2 & sd), FCP 560 - 200 psig, 1/4" ck, 3 hrs. Chg'd to 1/2" ck. F. 74 BLW (foamy wtr, N2 & sd), FCP 80 psig to light blow, 1/2" ck, 8 hrs. Starting to make gas. 162 BLWTR.

08/20/01 SDF Sunday. 50 BLWTR.

08/19/01 SDF Saturday. 50 BLWTR.

08/18/01 MIRU BJ acid trks. Set pkr @ 2,290' (RBP @ 2,322'). A. DK perfs fr/2,295'-98' w/3.5 bbls 15% HCl acid. BD @ 3,900 psig. Ppd @ 3 BPM & 3,600 psig. ISIP 1,500 psig. 5" SIP 810 psig. Rel pkr & ret RBP. Set RBP @ 2,289' & pkr @ 2,257'. A. DK perfs fr/2,270'-81' w/11 bbls 15% HCl acid. BD @ 1,080 psig. Ppd @ 6 BPM & 1,600 psig. ISIP 600 psig. 3" SIP 0 psig. Rel pkr & ret RBP. Set RBP @ 2,257' & pkr @ 2,217'. A. DK perfs fr/2,235'-51' w/19 bbls 15% HCl acid. BD @ 1,462 psig. Ppd @ 6.5 BPM & 1,700 psig. ISIP 750 psig. 5" SIP 475 psig. RD acid trks. Rel pkr & ret RBP. Set RBP @ 2,354'. PUH to 2,217'. RU to swb. BFL 1,270' FS. S. 14 BLW, 16 runs. SICP 20 psig. FFL @ SN. SDF 1 hr. BFL 1,270' FS. S. 14 BLW (w/acid), 12 runs. FFL 2,210' FS. SWI. SDFN. 50 BLWTR.

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08/17/01 SITP 3 psig, SICP 0 psig. BFL 1,280' FS. S. 19 BW, 12 runs. FFL 1,940' FS. SICP 0 psig. TIH & ret RBP. TOH & LD RBP & pkr. TIH w/4-1/2" CIBP & 2-3/8" tbg. Set CIBP @ 2,400'. Swbd FL dwn to 1,800' FS. TOH. RU Computalog WL trk. RIH w/3-1/8" HSC csg gun (12 gm, 0.30" dia, 28 holes) & perf'd DK @ 1 JSPF fr/2,295'-98', 2,277'-81', 2,270'-75' & 2,235'-51'. RD WL trk. TIH w/4-1/2" RBP & pkr & 2-3/8" tbg. Set RBP @ 2,323'. PUH w/pkr to 2,290'. SWI. SDFN.

08/16/01 SITP 10 psig, SICP 15 psig. BFL 1,280' FS. S. 36 BW, 12 runs. SICP 0 psig. FFL 1,840' FS. TIH to 2,435' & set pkr. Isolated perms fr/2,240'-43'. SICP 0 psig. RU to swb. BFL 1,230' FS. S. 33 BW, 12 runs. FFL 1,450' FS. SICP 0 psig. Rel pkr. TIH & ret RBP. PUH & set RBP @ 2,435'. PUH to 2,381' w/pkr (did not set). RU to swb perms fr/2,427'-30'. BFL 1,450' FS. S. 18 BW, 13 runs. FFL 2,040' FS. SICP 0 psig. SWI. SDFN.

08/15/01 SICP 0 psig. MIRU Computalog WL trk. Perf'd Dakota w/3-1/8" scalloped csg gun (23 gm, 0.36" dia, 24 holes) fr/2,440'-43' & 2,427'-30' @ 4 JSPF. RD WL trk. TIH w/4-1/2" RBP & pkr & 2-3/8" tbg. Set RBP @ 2,478'. PUH w/pkr to 2,381'. RU to swb. BFL 1,280' FS. S. 61 BW, 25 runs. FFL 2,110' FS. SICP 5 psig. SWI. SDFN.

08/14/01 SITP 20 psig, SICP 10 psig. BFL 1,280' FS. S. 14 BW, 6 runs. FFL @ SN. SICP vac. SDF 1 hr. BFL 2,410' FS. S. 15 BW, 9 runs. FFL SN. SICP 0 psig. TOH & LD pkr. TIH w/Weatherford 4-1/2" CIBP. Set CIBP @ 2,700'. PT CIBP to 500 psig. Held OK. Swbd FL dwn to 1,800' FS. TOH w/2-3/8" tbg. SWI. SDFN.

08/13/01 SDF Sunday.

08/12/01 SDF Saturday.

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08/11/01 SITP 0 psig, SICP 0 psig. BFL 2,350 psig. S. 4 BW, 2 runs. FFL @ SN. SICP 0 psig. TOH w/2-3/8" tbg & pkr. TIH w/4-1/2" CIBP & 2-3/8" tbg. Set CIBP @ 2,736'. PT CIBP to 500 psig. Held OK. Swb'd well dwn to 2,000' FS. TOH w/tbg. RU Computalog WL trk. Perf'd Morrison w/3-1/8" scalloped csg gun (23 gm, 0.36" dia, 12 holes) fr/2,719'-22' @ 4 SPF. TIH w/4-1/2" pkr & 2-3/8" tbg to 2,672'. RU to swb. BFL 1,870'. S. 17 BW, 12 runs. FFL @ SN. SICP 0 psig. SWI. SDFN.

08/10/01 SICP 0 psig. TIH w/4-1/2" CIBP & 2-3/8" tbg. Set CIBP @ 2,782'. PT csg to 500 psig. Held OK. Swbd FL dwn to 2,000' FS. TOH w/2-3/8" tbg. RU Computalog WL trk. Perf'd Morrison w/3-1/8" scalloped csg gun (23 gm, 0.36" dia, 16 holes) fr/2,756'-60' @ 4 SPF. RD WL trk. TIH w/4-1/2" pkr, SN & 2-3/8" tbg to 2,403'. RU to swb. BFL 1,820' FS. S. 4 BW, 2 runs. SICP 0 psig. FL @ SN. SDF 1 hr. FL @ 2,380' FS. S. 4 BW, 3 runs. SICP 0 psig. FL @ SN. SDF 1 hr. FL @ 2,380' FS. S. 4 BW, 3 runs. SICP 0 psig. SDF 1 hr. FL @ 2,380' FS. S. 4 BW, 3 runs. SICP 0 psig. FL @ SN. SDF 1 hr. FL @ 2,380' FS. S. 4 BW, 3 runs. SICP 0 psig. FFL @ SN. SWI. SDFN.

08/09/01 SITP 15 psig, SICP 30 psig. MIRU LCE rig #1. Blew dwn well. ND WH. NU BOP. RU to swb. BFL 300' FS. S. 5 BLW & 10 BW, 5 runs. FFL @ SN. SICP 0 psig. TOH & LD pkr. TIH w/4-1/2" CIBP & 2-3/8" tbg. Attempted to set CIBP @ 2,782'. Would not set. TOH. SWI. SDFN.

08/04/01 SITP 0 psig, SICP 0 psig. Swb depth incorrect on 8/3/01 rpt. Did not pull tbg. BFL 1,700' FS. S. 11 BW, 9 runs. FFL @ SN. SDF 1/2 hr. FL @ 2,600' FS. S. 1/2 BW, 1 run. SDF 1/2 hr. FL @ 2,600' FS. S. 1/2 BW, 1 run. SICP 0 psig. SDF 1/2 hr. FL @ 2,600' FS. S. 1/2 BW, 1 run. Set pkr @ 2,730'. RU Three Rivers pmp trk. A. Morrison perfs 2,788'-96' w/500 gals 15% HCl acid. BD @ 1,400 psig. Max TP 1,400 psig. ATP 800 psig. Max IR 2 BPM. AIR 2 BPM. ISIP 500 psig. 5" SIP 300 psig. 10" SIP 0 psig. RD pmp trk. SWI for 1/2 hr. Rel pkr. RU to swb. BFL 1,700' FS. S. 12 BLW, 9 runs. FFL SN. SDF 1/2 hr. FL @ 2,100' FS. S. 5 BLW, 5 runs. FFL @ SN. SICP 0 psig. ND BOP. NU WH. RDMO LCE rig #1. 5 BLWTR.

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- 08/03/01 MIRU Computalog WL trk. Ran GR/CCL fr/PBTD to surf. Perf'd Morrison w/3-1/8" scalloped csg gun (23 gm, 0.36" dia, 32 holes) fr/2,788'-2,796' @ 4 SPF. TIH w/4-1/2" pkr & 2-3/8" tbg to 2,730'. RU to swb. BFL 1,100' FS. Could not get below 2,200' FS. Tight spot in tbg. Std to TOH. Rig broke dwn. SWI. SDFN.
- 08/02/01 RU LCE rig #3. Inst WH. NU BOP. TIH w/NC, SN & 2-3/8", 4.7#, J-55, EUE, 8rd tbg (new Conduven fr/Trident Steel). Tgd @ 3,170' (PBTD). Circ hole w/50 bbls 2% KCl wtr. RU Three Rivers pmp trk. PT csg to 3,800 psig for 30". Held OK. RD pmp trk. Swbd FL dwn to 2,000' FS. TOH. SWI. SDFN.
- 08/01/01 MI LCE rig #3. SDFN.
- 07/06/01 Inst new Bristol 3530 Teleflow EFM/RTU (RTU #7125) on mtr run fr/XTO stock. Inst & wired in pit tnk float alarm & sep auto ck actuator. Terminated cables in RTU. Auto inst SDWO compl.
- 04/26/01 Dug FL ditch fr/WH to sep inlet. Inst welded 3" S40 FB pipe FL fr/WH riser to sep inlet w/auto cable. Conn 3" line to sep inlet w/sep swb line by-pass. Backfilled ditch. Set & conn new Scott's 2" 300S mtr run w/Daniels fittings (SN 01040125) to gas sales line fr/CTOC stock. Tnk btry const compl.
- 04/25/01 Dug ditch fr/sep outlet to mtr run loc. Inst 2" auto ck & vent vlv on sep gas outlet. Inst & conn welded 3" S40 FB pipe fr/sep outlet to mtr run riser w/auto cable in ditch. Backfilled ditch. SDFN.
- 04/24/01 Inst 2" T&C pipe fr/sep wtr dump to pit tnk. Built pit tnk berm & fence.
- 04/20/01 Tnk btry const SD, crew on Ute Mountain Gas Com M #2.

- 04/19/01 MI & set new Permian Fab 30" x 10', 250 psig WP, 2ph, vert sep w/heated wtr bath & 100 MBTU burner (SN 2252-2) fr/CTOC stock. SDFN.
- 04/13/01 Dug pit & inst wooden cellar. Set new F&B 6' x 12', 120 bbl, steel wtr pit tnk w/exp metal top (SN FB0090) in cellar fr/CTOC stock. SDF inst crew to work on other locs.
- 03/13/01 Released rig @ 3,245' (MD)KB (drillers TD). RD 6-3/4 hrs, trip 3 hrs, rig serv 1/2 hr, C&C 3 hrs, ran csg & cmt'd 2-1/2 hrs, ND BOP's 3-1/4 hrs, jet pit 4 hrs, cut csg 1 hr. Reduced mud vis. TOH & LD DP & DC's. RU csg crew. TIH w/csg. Ran 73 jts 4-1/2", 10.5#, K-55, STC csg as follows: cmt'd nose guide shoe (0.90'), 1 shoe jt 4-1/2", 10.5#, J-55 csg (37.38'), float collar (0.80') & 71 jts 4-1/2", 10.5#, J-55 csg (3,203.51') to surf. Csg set 3,244.59' (MD)KB. Top of mkr jt @ 2,295' KB. Installed 20 centralizers as per procedure. RD csg crew. RU BJ Services. Cmt'd csg w/600 sx 50/50 (poz/type III) w/2% gel, 1/4#/sx celloflake & 2% CaCl₂ (12.8 ppg, 1.54 cuft/sx). Disp w/51 BFW. Bumped plug to 1,000 psig. Rel press. Float held OK. Did not circ cmt to surface. Rec +/-15 bbls mud flush to surf. WOC for 2 hrs. ND BOP's. Cut csg. Set slips. Released Bearcat Drlg rig #4 @ 8:45 p.m., 03/12/01.
- 03/12/01 Circ for csg @ 3,245' (drillers TD) (528'/24 hrs). Survey: 3,245' MD, 8.9 deg, 3,201' TVD, VS 465.2', Azm 199 deg, Coor 446.4'S x 148.9'W, MW 8.8, vis 70, gels 8/22, WL 5.6, pH 11.4, added 75 sx gel, 1 sx lime, 30 gals EZ-mud, 5 sx LCM, 3 sx Drispac & 27# MF-1. Bit #3, 7-7/8" Sec, XS-20, SN #744214, bit nozzels 14/14/14, in @ 2,507', out @ 3,245' (738'/19-1/2 hrs), WOB 25-30K, RPM 90 (@mtr), PP 900#, SPM 115, GPM 320, liner size 6-1/2" x 8". Drlg 3-3/4 hrs, trip 9-3/4 hrs, rig serv 1/2 hr, C&C 4 hrs, log 5-1/2 hrs, safety mtg 1/2 hr. Reached drillers TD of 3,245' KB (MD) @ 10:15 a.m. MST (3/11/01). Circ for logs. TOH. Ran AIL/MSFL/GR/SP/Cal fr/3,241' KB (loggers TD) to btm of surf csg & LDT/CNL//Pe fr/3,241' KB to 1,300'. Ran FMI log fr/2,900'-2,150'. TIH. Circ on btm. WO csg (road conditions).

03/11/01 Drlg @ 3,035' (528'/24 hrs). Survey: 2,945' MD, 9.30 deg, 2,903' TVD, VS 418.6', Azm 201 deg, Coor 346.9'S x 132.9'W, wtr & polymer, added 14 sx gel, 15 sx lime, 60 gals EZ-mud & 25# MF-1, Bit #2, 7-7/8" Sec, XS-16, SN #744826, bit nozzels 14/14/14, in @ 377', out @ 2,507' (2,130'/37 hrs), WOB 25-30K, RPM 90 (@mtr), PP 900#, SPM 115, GPM 320, liner size 6-1/2" x 8". Bit #3, 7-7/8" Sec, XS-20, SN #744214, bit nozzels 14/14/14, in @ 2,507' (528'/15-3/4 hrs), WOB 25-30K, RPM 90 (@mtr), PP 900#, SPM 115, GPM 320, liner size 6-1/2" x 8". Drlg 15-3/4 hrs, survey 1-3/4 hrs, trip 5 hrs, rig serv 1/2 hr, C&C 1/4 hr, safety mtg 3/4 hr. TFB #3. Drlg ahead.

03/10/01 Drlg @ 2,507' (1,313'/24 hrs). Survey: 2,375' MD, 11.40 deg, 2,345' TVD, VS 313.6', Azm 199 deg, Coor 297.22'S x 99.9'W, wtr & polymer, added 1 sx LCM, 33 sx lime, 120 gals EZ-mud & 75# MF-1, Bit #2, 7-7/8" Sec, XS-16, SN #744826, bit nozzels 14/14/14, in @ 377' (2,130'/37 hrs), WOB 25-30K, RPM 90 (@mtr), PP 1,000#, SPM 115, GPM 320, liner size 6-1/2" x 8". Drlg 22-1/2 hrs, rig serv 3/4 hr, safety mtg 3/4 hr. Drlg ahead.

03/09/01 Drlg @ 1,194' (817'/24 hrs). Survey: 1,049' MD, 8.70 deg, 1,045' TVD, VS 52.71', Azm 204.3 deg, Coor 47.7'S x 25.57'W, wtr & polymer, Bit #2, 7-7/8" Sec, XS-16, SN #744826, bit nozzels 14/14/14, in @ 377' (817'/14-1/2 hrs), WOB 25-30K, RPM 90 (@mtr), PP 700#, SPM 115, GPM 320, liner size 6-1/2" x 8". Drlg 14-1/2 hrs, trip 5-1/4 hrs, rig serv 1-1/2 hr, PT BOP's 1 hr, re-drl MH 1/2 hr, safety mtg 3/4 hr, misc 1/2 hr. TIH w/RBP. PT csg & BOP's to 1,500 psig for 30". Held OK. TOH w/RBP. Re-tst csg to 1,500 psig for 30". Held OK. PU & TIH w/Baker Hughes/Inteq directional drill BHA. Drlg ahead.

03/08/01 WO csg head @ 377' (0'/24 hrs), rig serv 1/2 hr, NU & PT BOP's 13-1/2 hr, welding 1-1/2 hrs, safety mtg 1/2 hr, WO tools 8 hrs. Welded csg head to collar. Re-tst. Failed. Lk between drlg flange & csg head. Install 2nd rental flange. Re-tst. Failed. Install new 8-5/8" csg collar & csg head. Re-tst. Failed. Suspect csg lk. WO 8-5/8" csg head.

7/01 PT BOP's @ 377' (277'/24 hrs), survey: 1/4 deg @ 216' & 1/2 deg @ 340', spud mud, bit #1, 12-1/4" HTC, C-22, SN #V77BP, bit nozzels 13/13/13, in @ surf, out @ 377' (377'/8 hrs), WOB all, RPM 120, PP 500#, SPM 110, GPM 320, liner size 6-1/2" x 8". Drlg 4-1/2 hrs, surv 1/4 hr, trip 1/2 hr, rig serv 1/4 hr, C&C 1/2 hr, rn csg & cmt 1-3/4 hrs, WOC 4-1/4 hrs, NU & PT BOP's 11-1/4 hr, safety mtg 3/4 hr. Drld to 377'. Circ. TOH w/DP & BHA. RU & rn 9 jts 8-5/8", 24.0#, J-55 csg as follows: Tex Pattern Guide Shoe (0.90') & 9 jts 8-5/8" csg (357.01'). Installed 4 centralizers as per procedure. Landed csg @ 370' 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/21 BFW. Bumped plug @ 350 psig (100 psig over final pump press). Float held OK. Circ 20 bbls cmt to surf. NU BOP's. Attempt to PT BOP's & surf csg to 1,500 psig. Test failed. Lk between BH & csg collar. Called for welder.

6/01 Drlg @ 100' (100'/24 hrs), spud mud, bit #1, 12-1/4" HTC, C-22, SN #V77BP, bit nozzels 13/13/13, in @ surf (100'/3-1/2 hrs), WOB all, RPM 120, PP 500#, SPM 110, GPM 320, liner size 6-1/2" x 8". RU RT 11 hrs, drlg 3-1/2 hrs, build mud 2 hrs, safety mtg 1/4 hr, rig serv 1/4 hr, rig repr 1-1/2 hrs, drill MH/RH 5-1/2 hrs. MIRU Bearcat Drilling rig #4. Spudded 12-1/4" hole @ 2:30 a.m., 3/06/01. Drlg @ 100' in MV ss.

16/01 Weeminuche Construction Authority of Towaoc, CO. compl const of the wellsite loc.

17/01 CTOC San Juan District office recv'd an approved APD fr/the BLM office in Durango, CO. API #30-045-30490.

02/00 CTOC San Juan District office filed the APD with the BLM office in Durango, CO.

23/00 NCE Surveys of Farmington, NM staked the well (surface) loc @ 200' FNL & 700' FEL in Sec 03, T31N, R14W in SJ County, NM.