

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 ☐ GAS ☒ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other ☐

2. NAME OF OPERATOR

Cross Timbers Operating Company

3. ADDRESS AND TELEPHONE NO.

2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface
575' FNL, 625' FWL, Unit D, Sec. 12, T31N-R14W

At top prod. interval reported below

253' FNL, 631' FWL
At total depth
237' FNL, 628' FWL

14. PERMIT NO.

DATE ISSUED

Bureau of Land Management
Durango Colorado

15. DATE SPUDDED
06/27/99

16. DATE T.D. REACHED
08/13/99

17. DATE COMPL. (Ready to prod.)
See attached for

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
6,121' KB, 6,108' GL

19. ELEV. CASINGHEAD
6,108' GL

20. TOTAL DEPTH, MD & TVD
8,700'

21. PLUG, BACK T.D., MD & TVD
8,642'

22. IF MULTIPLE COMPL.,
HOW MANY
Not completing

23. INTERVALS
DRILLED BY

ROTARY TOOLS
0-TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

Paradox (7,650'-8,369')

25. WAS DIRECTIONAL
SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Density/Neutron, Induction, Micrology, GR/CCL/CBL

27. WAS WELL CORED
No

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8", J-55	24#	857'	12-1/4"	325 sx Class "B", circ to surf.	
4-1/2", N-80	11.6#	8,699'	7-7/8"	1st stg 750 sx Class "B", Top 5,930, 2nd stage (cont. back)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	3,606'	

31. PERFORATION RECORD (Interval, size and number)
See Attached.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
See Attached

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)						WELL STATUS (Producing or shut-in)	
DATE OF TEST		HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	Shut-In	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	API (CORR.)			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

35. LIST OF ATTACHMENTS

Completion summary, daily well history & directional survey.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED

TITLE Operations Engineer

DATE 6/21/2000

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

NMOCB

Ute Mountain Tribal J #7
Unit D Section 12, T31N, R 14W
San Juan County, New Mexico

Paradox Name	Perforated Intervals	Perf number & size	Stimulation
Upper Barker Creek	8,367'-69', 8,316'-20', 8,297'-8,303'	27 holes with 0.30" dia.	1,500 gals 15% HCl. 3,600 gals 30# gelled 20% HCl acid & 1,300 gals 20% HCl acid.
Upper Barker Creek & Lower Akah	8,232'-50'	36 holes with 0.30" dia.	3,600 gals 15% HCl acid. 10,000 gals 30# gelled 20% HCl acid & 3,000 gals 20% HCl acid.
Upper Akah	8,038'-50'	25 holes with 0.30" dia.	1,300 gals 15% HCl acid. 4,500 gals 20% NEFE HCl acid
Desert Creek	7,966'-84', 7,910'-48', 7,900'-04'	123 holes with 0.30" dia	4,800 gals 15% NEFE HCl acid. 15,000 gals 20% HCl acid.
Ismay	7,806'-19', 7,792'-7,800', 7,776'-80'	53 holes with 0.30" dia.	5,000 gals 20% HCl acid.
Honaker Trail	7,650'-62'	25 holes with 0.30" dia	3,000 gals 20% HCl acid. 7,000 gals 30# gelled 20% HCl acid & 4,000 gals 20% HCl acid. 29,135 gals 30# gel & 30,803#'s 20-40 PR- 6000 sand

After completing all Paradox intervals and in the process of retrieving bridge plugs from the well, tubing became stuck. An extensive effort to recover the fish from 2/09/2000 to 3/28/2000 failed. The fish is located in the 4-1/2" casing from 7,484' to 8,200'. It consists of tubing, drill collars and various pieces of fishing equipment. Retrievable bridge plugs are set below the fish at 8,275' and 8,380'.



UTE MOUNTAIN TRIBAL J #7

Daily Well History

08/27/99: MI new Western Manufacturing Co. 5' x 13'6", 120 bbl steel wtr pit tnk w/exp metal top (SN #1845) & Natco rebuilt American 16" x 8'2", 1,000 psig WP, 3ph (use as 2ph) prod ut sep (SN #9098).

08/31/99: Installed wooden cellar in pit. Set new pit tnk in cellar..

09/03/99: Completed installation of 4" welded gas sales line & prod unit sep. Built berm & fence around wtr pit tnk. Tnk btry complete.

09/08/99: MIRU PU. TIH w/3-7/8" bit, bit sub, & 121 jts 2-3/8" tbg, 4.7#, J-55, EUE, 8rd (new Tubo-Cribe fr/Toolpusher's Supply). Tgd cmt @ 3,744' KB. DO 30' cmt & tgd DV tool @ 3,775'. DO DV tool. Circ well.

09/09/99: Tgd fill @ 8,629' KB. DO to 8,642' KB. Press tstd csg to 4,500 psig. Held OK. Ran CBL/GR/CCL fr/8,642' (PBDT) to 5,800'. TOC 5,920' by CBL. Pulled CCL to 850' KB. Perf Lwr Barker Creek fr/8,414'-22' & 8,393'-8,403' w/3-1/8" scallop HSC csg guns w/23 gram charge @ 2 JSPF (18' net pay, 36 holes).

09/10/99: TIH w/Schl 4-1/2" pkr & 267 jts 2 3/8" tbg. Set pkr @ 8,298' KB. BD Lwr Barker Creek perfs fr/8,393'-8,422' @ 4.9 BPM & 4,000 psig. S. 27 BLW (gas cut), 14 runs.

09/11/99: S. 0 BC, 25 BLW, 10 hrs (11 runs). Well KO flw @ 9 runs. F. 184 MCFPD.

09/12/99: F. 0 BLW, 228 MCFPD, FTP 55 psig, 3/8" ck.

09/14/99: SITP 499: psig. BHP 630 psig @ 8,350' FS. OWTP. F. 0 BLW, 169 MCFPD, FTP 15 psig, 1/2" ck.

09/15/99: F. 0 BLW, 138 MCFPD, 1/2" ck. Acidized Lwr Barker Creek perfs fr/8,393'-8,422' w/2,500 gals 70Q foamed 15 % HCl acid @ 5 BPM & 3,100 psig. S. 17 BLW, 8 runs

09/16/99: S. 0 BC, 12 BLW, 9 runs. Well KO. F. 0 BC, heavy mist, 563 MCFPD, FTP 78 psig, 1/2" ck.

09/17/99: F. 1 BLWPH, 651 MCFPD, FTP 92 psig, 1/2" ck.

09/18/99: F. 12 BW, 233 MCF, FTP 101 psig, LP 99: psig (simulated), op ck, 9 hrs. RDMO PU.

09/20/99: F. NR BW, 595 MCF, FTP 103 psig, LP 96 psig (simulated), op ck, 24 hrs. RIH w/gauges. FBHP 243.7 psig @ 8,340' FS. Flwg temp 208.58 deg F.

09/21/99: RIH w/gauges.

09/28/99: POH w/ gauges. BHP 605.97 psig @ 8,340' FS, BHT 213.5 deg F. SI 166.17 hrs.

10/08/99: MIRU PU. TOH w/269 jts 2-3/8" tbg & pkr.

10/09/99: Set RBP @ 8,380' KB. **Perf'd Upper Barker Creek w/3-1/8" guns fr/8,367'-69', 8,316'-20' & 8,297'-8,303' w/2 JSPF (ttl 27 - 0.30" dia 12 gram charges).** TIH w/pkr, SN, & 266 jts 2-3/8" tbg. Set pkr @ 8,264' KB.

10/12/99: BD perfs fr/8,297'-8,369' @ 4 BPM & 4,000 psig. Acidized dwn 2-3/8" tbg w/1,500 gals 15% HCl acid, 46 bbls 2% KCl wtr & 40 - 7/8" RCN balls evenly spaced through out job. ISIP 1,400 psig, 5" SIP 1,100 psig, 10" SIP 900 psig, 15" SIP 700 psig. S. 61 BLW, 14 runs.

10/13/99: Well KO flwg. F. 3 BLW, 93 MCF, FTP 48 psig, LP 45 psig (simulated), 7.5 hrs.

10/14/99: F. 15 BLW, 327 MCF, FTP 61 psig, SICP 0 psig (pkr), LP 57 psig, op ck, 24 hrs.

10/15/99: F. 8 BLW, 276 MCF, FTP 70 psig, SICP 0 psig (pkr), LP 67 psig (simulated), op ck, 16 hrs.

10/17/99: Acidized Upper Barker Creek perfs fr/8,297'-8,369' dwn 2-3/8" tbg w/3,600 gals 30#, gelled, 20% HCl acid & 1,300 gals 20% HCl acid. S. 22 BLW, 6 runs.

10/18/99: S. 46 BLW, 20 runs. Well KO. F. 0 BC, 0 BLW, 54 MCF, FTP 30 psig, 1/2" ck, 7 hrs.

10/19/99: F. 3 BLW, 275 MCF, FTP 53 psig, SICP 0 psig (pkr), LP 48 psig (simulated), 1/2" ck.

10/20/99: F. 5 BLW, 212 MCF, FTP 69 psig, SICP 0 psig (pkr), LP 65 psig (simulated), 1/2" ck, 15 hrs.

10/21/99: SIFPBU.

10/22/99: RIH w/gauge to obtain static BHP. BHP 616.22 psig @ 8,350'. Temp 209.44 deg F. TOH w/266 jts 2-3/8" tbg & 4-1/2" pkr. Set 4-1/2" RBP @ 8,275' KB. **Perf'd Upper Barker Creek w/3-1/8" gun w/12 gram charges fr/8,232'-50' w/2 JSPF. Perf'd Lwr Akah w/3-1/8" gun w/12 gram charges fr/8,198'-8,210' w/2 JSPF.**

10/23/99: TIH w/pkr, SN & tbg. Set pkr @ 8,143' KB. Acidized Upper Barker Creek & L. Akah perfs fr/8,198'-8,250' dwn tbg w/3,600 gals 15% HCl acid & 90 - 7/8" RCN balls evenly spaced through out acid @ 5 BPM & 3,950 psig. ISIP 2,500 psig. 5" SIP 1,600 psig. 10" SIP 1,000 psig. 15" SIP 550 psig. Made 3 swb runs & well KO flwg. Left well flwg to pit.

10/24/99: F. 23 BW, 75 MCF, FTP 45 psig, LP 40 psig (simulated), 1/2" ck, 7 hrs.
 10/25/99: F. 27 BW, 246 MCF, FTP 30 to 51 psig, SICP 0 psig, LP 33 psig (simulated), 1/2" ck, 24 hrs.
 10/26/99: F. 19 BW, 648 MCFPD (est. wet gas rate), FTP 11 to 14 psig, SICP 0 psig, 1" ck, 13 hrs.
 10/27/99: F. 32 BW, 660 MCF (est wet gas rate), FTP 12 to 17 psig, SICP 0 psig, 1/2" ck, 24 hrs
 10/28/99: F. 19 BW, 785 MCFPD (est wet gas rate), FTP 18 psig, SICP 0 psig (pkr), 1" ck, 17 hrs.
 10/29/99: Acidize Upper Barker Creek & Lwr Akah perms fr/8,198'-8,250' dwn 2-3/8" tbg w/10,000 gals
 30#, gelled 20% HCl acid & 3,000 gals 20% HCl in two equal stages @ 10.3 BPM & 3,989 psig.
 S. 0 BC, 55 BLW, 21 runs.
 10/30/99: Well KO flwg. F. 7.5 BLWPH, 263 to 765 MCFPD, FTP 30 to 100 psig, 1/2" ck.
 11/02/99: F. 0 BLW, 295 MCFPD, FTP 35 psig, SICP 0 psig (pkr), 1/2" ck, 8 hrs. SWIFPBU.
 11/03/99: Ran press gradient survey to 8,225' w/stops @ 1,000' intervals. BHP 715 psig. BHT 206 deg
 11/04/99: Set RBP @ 8,140'. **Perf'd upper Akah fr/8,038'-50' w/3-1/8" csg gun w/12 gram charges, 2
 JSPF (12' overall, 25 holes).** Set pkr @ 7,987'. BD perms fr/8,038'-50' dwn 2-3/8" tbg w/1,300
 gals 15% HCl acid @ 1 BPM & 5,704 psig. ISIP 1,100 psig. 2" SIP vac.
 11/05/99: S. 47 BLW, 18 runs. Well KO flwg. F. 0.5 BLWPH, 459 MCFPD, FTP 123 psig, 3/8" ck.
 11/06/99: F. 1.0 BLWPH, 545 MCFPD, FTP 75 psig, SICP 0 psig (pkr), 1/2" ck.
 11/07/99: F. 1 BLWPH, 557 MCFPD, FTP 77 psig, SICP 0 psig (pkr), 1/2" ck. SWIFPBU.
 11/08/99: RIH w/gauges to 8,050' KB. BHP 1,108.90 psig @ 8,050' KB. Temp 205 deg F.
 11/09/99: Acidized Upper Akah perms fr/8,038'-50' w/4,500 gals 20% NEFE HCl acid @ 5.1 BPM & 821
 psig. ISIP vac. S. 0 BC, 55 BLW, 16 runs. Well KO flwg. F. 2.5 BLWPH, 1,360 MCFPD, FTP
 40 psig, 1" ck.
 11/10/99: F. 3/4 BLWPH, 1,935 MCFPD, FTP 62 psig, 1" ck.
 11/11/99: F. 3/4 BLWPH, 1,935 MCFPD, FTP 62 psig, 1" ck. SWIFPBU.
 11/12/99: RIH w/guage to 8,050'. BHP 959.03 psig @ 8,035' FS.
 11/14/99: Set RBP @ 8,010'. **Perf'd Desert Creek fr/7,966'-84', 7,910'-48' & 7,900'-04' w/3-1/8" csg
 gun, 12 gram charges, 2 JSPF (84' overall, 60' net, 123 holes).** Set pkr @ 7,830'. Acidized perms
 fr/7,900'-84' dwn 2-3/8" tbg w/4,800 gals 15% NEFE HCl acid & 180- 7/8" RCN balls. ISIP 500
 psig. 3" SIP 0 psig
 11/15/99: S. 82 BLW, 26 runs.
 11/16/99: S. 83 BLW, 28 BW, 31 runs.
 11/17/99: S. 82 BW, 25 runs. SWIFPBU @ 6:00 p.m.
 11/18/99: Ran gauges. BHP 878.9 psig @ 7,950' FS. Surf press 717.1 psig. S. 43 BW, 14 runs.
 11/19/99: S. 10 BW, 5 runs. Well KO flwg. F. 0 BW, 106-169 MCFPD, 1/2" ck.
 11/20/99: Well KO flwg. F. 4 BWPH, FTP 17 psig, 2" line. Acidized Desert Creek perms fr/7,900'-84' dwn
 2-3/8" tbg w/15,000 gals 20% HCl acid @ 6.7 BPM & 2,000 psig. ISIP vac. S. 51 BLW, 12 runs.
 11/21/99: S. 106 BLW, 26 runs.
 11/22/99: S. 94 BLW, 20 runs. Well KO flwg.
 11/23/99: Well KO flwg. F. 5 BLWPH, FTP 25-35 psig, 2" flw line.
 11/24/99: F. 1/8 BWPH, 702 MCF, FTP 80 psig, LP 19 psig (simulated).
 11/25/99: F. 1/8 BWPH, 729 MCFPD, FTP 85 psig. SWIFPBU.
 11/30/99: RIH w/gauges to 7,950'. BHP 1,083.2 psig @ 7,950'. Temp 201 deg F. Set RBP @ 7,850'.
**Perf'd Ismay fr/7,806'-19', 7,792'-7,800' & 7,776'-80' w/3-1/8" csg gun, 2 JSPF, 12 gram
 charge (25' overall, 53 holes).**
 12/01/99: Acidized Ismay perms fr/7,776'-7,819' dwn 2-3/8" tbg w/5,000 gals 20% HCl acid & 75 - 7/8"
 RCN balls @ 2 BPM & 3,000 psig. ISIP vac. F. 5 BLWPH, FTP 52 psig, 2" flw line.
 12/02/99: F. 1.5 BLW, 1,350 MCFPD, FTP 105 psig.
 12/03/99: F. 1.5 BLWPH, 1,221 MCFPD, FTP 105 psig. SWIFPBU.
 12/04/99: RIH w/gauges. BHP 1,081.23 psig @ 7,800' FS. BHT 202.6 deg F. RIH & set RBP @ 7,709'
 KB. **Perf'd Honaker Trail fr/7,650'-62' w/3-1/8" csg gun w/12 gram charge, 2 JSPF (12'
 overall, 25 holes).**
 12/05/99: Acidized perms fr/7,650'-62', dwn 2-3/8" tbg w/3,000 gals 20% HCl acid & 36- 7/8" RCN BS @
 2.5 BPM & 3,200 psig. ISIP 2,600 psig. 5", 10" & 15" SIP 2,600 psig. Well KO flwg 42
 BLWPH F. 1 BLPH, 113 MCFPD, FTP 6 psig, 1/2" ck. Well died @ 1:00 a.m. SWIFPBU.
 12/06/99: S. 20 BLW, 49 BW, 26 runs. Well KO flwg.
 12/07/99: S. 16 BW, 10 runs (rec 5 gals oil & cond on last swb run).
 12/08/99: F. 0 BLWPH, 112 MCFPD, FTP 6 psig. Well died. SWIFPBU.

12/09/99: Acidized Honaker Trail perms fr/7,650'-62' dwn 2-3/8" tbg w/7,000 gals 30#, gelled 20%, HCl acid & 4,000 gals 20% HCl acid @ 7 BPM & 6,750 psig. ISDP 3,300 psig. 5" SIP 2,979 psig. 10" SIP 2,905 psig. 15" SIP 2,876 psig.

12/10/99: Well KO flwg. F. 122 BLW, FTP 80 to 0 psig, 3 hrs. S. 58 BLW, 26 runs.

12/11/99: S. 11 BW. SWI.

12/14/99: RIH w/gauges. BHP 2,320.6 psig @ 7,650' KB. BHT 201.42 deg F. TIH w/pinned NC, SN & 2-3/8" tbg to 7,800' KB.

12/15/99: Circ to RBP @ 7,638'. Well stabilized @ 98 MCFPD, FTP 1 oz, SICP 250 psig. SWI.

12/16/99: S. 0 BLW, 1 run. 2nd run FL 7,300' FS. S. 1.5 BLW. Flwd well 2 hrs. FTP 0 psig, SICP 300 psig. Landed tbg as follows: 2-3/8" NC w/crosspin, 2 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg, SN & 244 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg. SWI.

12/17/99: RDMO PU. Installed plngr lift system.

12/22/99: TIH w/2" JDC to 7,608' FS & rec plngr & BHBS.

01/12/00 MIRU Aztec Well Service rig #506. TOH w/tbg & pkr. TIH w/pkr, SN, tbg. Set pkr @ 7,610' KB.

01/13/00: Frac Honacker Trail fr/7,650'-62' dwn 2-3/8" tbg w/29,135 gals 30#, x-linked, gelled (Spectra Frac G-3000), 2% KCl wtr & 30,803# 20-40 PR-6000 sd @ 10.7 BPM & 4,087 psig. ISIP 3,333 psig. 5" SIP 2,480 psig. 10" SIP 2,390 psig. 15" SIP 2,873 psig.

01/14/00: S. 40 BLW, 8 hrs (14 runs).

01/15/00: S. 57 BLW, 16 runs.

01/16/00: S. 70 BLW, 14 runs.

01/17/00: F. 20 BLW, 3 hrs.

01/18/00: Op tbg to pit. SWI 4 hrs & flwd well 1.5 hrs in cycles.

01/19/00: Op tbg to pit. SWI 4 hrs & flwd well 1.5 hrs in cycles."

01/20/00: TOH w/tbg & pkr. TIH w/NC w/crosspin, 1 jt 2-3/8" tbg, SN & 2-3/8" tbg. EOT @ 9,610' KB. SN @ 7,579' KB. S. 65 BLW in 16 runs

01/21/00: OWTP. Well KO flwg.

01/22/00: OWTP. F. 30 BLW, 3/4" ck, 8 hrs. S. 12 BLW, 6 runs.

01/23/00: F. 3 BLWPH, 362-290 MCF, FTP 5-10 psig, 3/4" ck.

01/25/00: RIH w/gauges. BHP 1,607.6 psig @ 7,583' FS. BHT 198.01 deg F. TIH & tgd fill @ 7,615' KB (94' fill). Could not clean out. F. 1-1/2 BLWPH, 753 MCFPD, FTP 35 psig, 3/4" ck."

01/26/00: CO sd to 7,709' KB.

01/27/00: TIH w/retrieving head & 2-3/8" tbg to 7,700'. Rel RBP. TOH w/tbg & RBP. Found control nut fr/RBP.

01/28/00: TIH w/overshot & 2-3/8" tbg. TOH w/tbg, overshot & RBP.

01/29/00: RIH w/2-7/8" tbg. Tgd fill @ 7,740'. CO to 7,758' w/heavy sd returns.

01/30/00: Tgd fill @ 7,728'. CO to RBP @ 7,758'. TOH 380'. F. 0 BLWPH, 391 MCFPD, FTP 15 psig, 3/4" ck.

01/31/00: TIH & tgd RBP. No fill. TOH w/tbg & bit.

02/01/00: TIH w/NC, 1 jt 2-3/8" tbg, SN, & 2-3/8" tbg. Set tbg @ 7,780' KB. SN @ 7,756'.

02/02/00: S. 5 BLW, 1 run. Well KO flwg. F. 20 BW, FTP 70 - 2 psig, 2" line, 2 hrs. Tgd fill @ 7,837' KB. CO to 7,858' KB.

02/03/00: TIH w/tbg & tgd 2' fill on RBP @ 7,558'. CO to top of RBP. TOH w/tbg & RBP.

02/04/00: TIH w/NC, 2 string floats & 2-3/8" tbg. Tgd fill @ 7,860'. CO sd to 8,010'. Circ wellbore. TOH w/tbg & NC.

02/05/00: PU retrieving head & TIH w/tbg. TIH to 8,005'. Circ ball sealers & frac sd off RBP. Rel RBP. Couldn't push RBP dwn hole. TOH w/tbg & RBP. TIH w/NC, SN & tbg to 8,000'.

02/06/00: Tgd up @ 8,136'. CO to top of RBP @ 8,140'. Rel RBP. TOH w/tbg. Did not have RBP. SWI.

02/08/00: Well KO flwg 1 BLWPM. TIH w/retrieving head & 2-3/8" tbg. Tgd sd fill @ 8,133'. Circ w/air/foam unit. CO to top of RBP @ 8,140'. Attempted to latch on to RBP. TOH w/o RBP. TIH w/short catch grapple & tbg. Latched onto RBP. TOH w/RBP & tbg. Found 10 ball sealers smashed around RBP.

02/09/00: TIH w/NC, string float & 2-3/8" tbg. Tgd sd @ 8,255'. CO to 8,275' w/air/foam unit. Circ well 1-1/2 hrs. TOH w/3 jts tbg. Stuck tbg. Worked tbg 6 hrs. Est tbg stuck @ 7,700'. EOT @ 8,200'.

- 02/10/00: MIRU Wireline Specialties. Tgd obstruction @ 7,693'. Tbg is 100% free @ 7,673' & 50% free @ 7,683'. Ran w/spud tool (2 - 10' sinker bars, jars & 3/4" chisel rod). Spudded on obstruction @ 7,693'. No success. POH w/tools. The jars were full of sd. RIH w/chem cutter to 7,663'. Cut off tbg @ 7,663', 10' above collar. TOH w/tbg. PU & TIH w/overshot w/grapple, jars, bumper sub, string float, 6 - 3-1/8" DC's, intensifier, XO & 2-3/8" tbg. Tgd fill @ 7,643' (20' fill on fish).
- 02/11/00: TIH w/overshot & tbg. Tgd sd fill @ 7,643' (20' fill). CO to top of fish @ 7,663'. Latched onto fish. Worked pipe w/70,000# pull for 2-1/2 hrs. No success. Unlatched fr/fish & circ wellbore every 10 jars. Last jar pulled loose. TOH w/tbg, intensifiers, jars, bumper sub & overshot. No rec. Overshot skirt & grapple showed wear.
- 02/13/00: PU & TIH w/3-3/4" washover shoe, 4 jts 3-3/4" WP, XO, 6 - 3-1/8" DC's, XO, & 2-3/8" tbg. TIH to 7,670'. Pulled 18,000# over strg wt to pull free. TOH to inspect WP. Shoe shows no damage. 2 jts WP are bowed.
- 02/15/00: TIH/3-3/4" shoe, 2 jts 3-3/4" WP, 3-1/8" jars, 6 - 3-1/8" DC's, XO & 2-3/8" tbg. TIH & tgd fish @ 7,658'. Worked WP to 7,673'. Could not get any deeper. TOH w/tbg, DC's, jars WP & shoe. Shoe was out of round by 1/16" & showed wear fr/2-3/8" collar. TIH w/3-3/4" overshot w/2" grapple, jars, bumper sub, DC's, intensifiers, XO & 2-3/8" tbg. Latched onto fish. Jarred 2-1/2 hrs w/4" movement or stretch. MIRU Tefteller SL. TIH w/3/4" tools to 7,446'. Could not run tools thru XO. RDMO SL.
- 02/16/00: TOH w/tbg & overshot. Rec 1.5' of 2-3/8" tbg. PU & TIH w/3-3/4" super mill, 3-1/2" stabilizer, 2 - 3-1/8" DC's, jars, 4 - 3-1/8" DC's, XO & 2-3/8" tbg. Tgd top of fish @ 7,663'. Milled 8.7' of tbg. TOH w/11 stands.
- 02/17/00: TIH to top of fish @ 7,671'. No fill. Milled 3.5' of fish to 7,675'. TOH w/tbg & mill. Found mill worn in dead center by tbg. PU & TIH w/3-3/4" shoe dressed w/cutrite to 3-7/8", 2 jts 3-3/4" WP, 3-1/8" jars, 6 - 3-1/8" DC's, XO, 2-3/8" tbg to 6,100'.
- 02/18/00: RIH w/WP to top of fish @ 7,675'. Milled 3' & slid dwn hole 12'. The next 7' milled hard. Circ out metal cuttings, sd & lg piece of metal. TOH w/tbg, DC's, jars, WP & shoe. Rec 19.3' of tbg in WP. Shoe in good shape w/50% of cutrite.
- 02/19/00: TIH w/3-7/8" OD shoe w/smooth ID, 1 jt WP, XO, jars, 6 DC's, XO & 2-3/8" tbg. TIH & tgd fish @ 7,694.15'. Milled to 7,696.35' (2.2') in 1-3/4 hrs. Made no additional hole fr/12:00 p.m. to 5:30 p.m. TOH. Shoe 100% worn w/all cutrite gone. 2 - 1-1/2" x 2" pieces of mill broken off. OD of shoe calipered @ 4".
- 02/20/00: TIH w/3-3/4" OD super mill, bit sub, 1 jt WP, XO, jars, 6 DC's, XO & 2-3/8" tbg. TIH & tgd fish 7,694.15'. Feather fish w/500# torque & 500# weight. Milled to 7696.35'. Unable to make additional hole for next 2 hrs. TOH. Super mill in good shape w/3/8" hole 1/2" deep in middle of shoe.
- 02/22/00: TIH & tgd fish @ 7,696' KB. MIRU BWWC & DHV. Ppd 50 bbls 2% KCl wtr dwn tbg. TIH w/DHV video camera while ppg 2% KCl wtr @ 1/4 BPM dwn tbg. Good picture @ 3,500'. Poor picture @ 7,100'. TOH. Lens & light source found to be covered w/rust film. TIH w/DHV video camera while ppg air. Good picture @ 3,500'. TIH TOF. Could see fish but not clear. PU several times & ppg wtr sweeps trying to improve picture. TOH & found trace of film on lens. SWI.
- 02/23/00: MIRU BJ acid pmp. Pickled tbg w/1,000 gals 7-1/2% HCl w/10 qts Ferrotrol -300L, 5 qts LT 32 & 4 pts C1-27. TIH to top of fish @ 7,694'. Ppd clean wtr. TIH w/camera. Had good picture to 3,300'. Pictured quality deteriorated until picture was distorted & dark. TOH w/camera & found lens coated with residue. TIH w/camera twice w/same results.
- 02/25/00: TOH & LD 7,600' 2-3/8" tbg. PU & TIH w/6,540' new Conduven (fr/Trident Steel) 2-3/8", 4.7#, J-55, EUE, 8rd tbg.
- 02/26/00: Fin TIH w/new 2-3/8" tbg. MIRU Black Warrior WL. Ppd 100 bbls 2% KCl wtr followed by 60 BFW. RIH w/DHV camera. The camera returned good video to 3,200' FS. Below 3,200', no video was obtained. TOH w/camera. Camera in good shape. RIH w/camera while ppg 60 BFW @ 1/4 BPM. No video past 5,100' FS. Unloaded well. Ppd 5 bbls 2% KCl wtr slug. Obtained video of fish @ 7,690.2' FS. Continued ppg slugs of wtr to clear camera lens, while moving tbg. Obtained video of csg torn & rolled over on itself @ 7,688.7' FS. No clear indication of parted csg was observed. TOH w/camera. Camera light source was damaged. TOH w/10 stands tbg.
- 02/29/00: TOH w/tbg. PU & TIH w/3-7/8" rough OD - 2-7/8" rough ID shoe w/5' extension, 3-1/8" jars, XO, 6 - 3-1/8" DC's, XO & 2-3/8" tbg to 5,518'.

- 03/01/00: TIH & tgd fish @ 7,680' (new tally). PU 2' & unloaded hole. Std milling. Milled 5.2' @ 30"/ft for 2.5 hrs. Mill std torquing up & mill rate slowed to 1"/hr.. TOH w/tbg, DC's, jars & mill shoe. Mill was in gauge on OD and out gauge on ID (3-1/16" vs 2-7/8" ID). Found scarring on mill. Drug pc of metal (?) to BOP.
- 03/02/00: PU & TIH w/mill shoe (2.5' x 3-7/8" rough OD x 2-7/8" rough ID), 1 jt WP, jars, 6 - 3-1/8" OD DC's, XO & 2-3/8" tbg to 7,684'. Broke circ. Milled fr/7,684'-85' in 2.5 hrs. Milled fr/7,685'-89' (3.7) in 1.5 hrs. Slid dwn fr/7,689'-94' in 10". Milled fr/7,694'-7,696' in 45". PU & ppd 3-5 bbl sweeps. Rec powdered metal. PU to 7,694'. Rotated & reciprocated to 60,000# to pull off fish. Ppd 3-5 bbl sweeps. Rec heavy 50/50 metal & sd in rtns. TIH to fish. Std milling. Pushed 10,000# dwn & lost circ. No response fr/jars. Could not pull free. Press TCA to 1,300 psig w/air. Surged TCA.
- 03/03/00: MIRU Weatherford WL ut. RIH w/3/4" OD backoff shot, jars & sinker bars to 7,257' FS & set dwn. RIH w/backoff shot to jars @ 7,672' FS. PU to 7,643' FS (top of DC above jars). Shot backoff, twice. No success in backoff. TOH w/tools. RIH w/freepoint tools. Tbg free @ 6,000' FS & 7,486' FS (top of DC's). TOH w/freepoint tools. PU & RIH w/chemical cutter to 7,671' FS. Chemical cut tbg 15' above DC's @ 7,671'.
- 03/04/00: LD cutoff jt. PU 2-3/8" grapple. TIH w/overshot, jars, bumper sub, intensifier, 4 DC's & 2-3/8" tbg. Tgd fish @ 7,471'. Latched onto fish. Jarred 4 times before jars stopped working. Moved dwn hole 5.5'. Rel overshot.
- 03/05/00: TOH w/tbg, jars & overshot. Repl jars. TIH w/overshot, jars, bumper sub, intensifier, 4 - 3-1/8" DC's & 2-3/8" tbg. Latched onto fish @ 7,471'. Began jarring on fish. Circ hole @ 2 BPM w/2% KCl wtr. Rel overshot twice and latched back onto fish. No success w/jarring. Could not rel overshot.
- 03/06/00: PU 3/4" backoff tools. RIH to 7,635' FS. Ppd 1 BPM dwn tbg. Attempted backoff w/no success. Worked pipe, 2 hrs, lost 3 rds left hand torque. PU 2nd backoff tools. RIH to 7,524' FS (top of 5th DC). Backed off 6th DC.
- 03/07/00: TOH w/17' x 2-3/8" cut off tbg, XO & 1 DC. PU & TIH w/2-3/8" x 2-3/8" reg screw-in sub, XO, bumper sub & 2-3/8" tbg. Screwed into DC @ 7,524' (top of fish). MIRU Wireline Specialties. PU 3/4" back off tools & RIH to 7,617' FS. Trapped 6 rds left hand torque. Back off DC's @ 7,617'. TOH w/2-3/8" tbg, bumper sub, XO, screw in sub & 3 DC's fr/fish.
- 03/08/00: PU & TIH w/screw-in sub. TIH & tgd top of fish @ 7,617'. Screwed into fish. LD pwr swivel. Jarred up w/75-83,000# force. First 1/4 hr made 3.5'. The next 3 hrs no movement & the last 1 hr moved 6' upward. PU pwr swivel & rotated tbg @ 1,650 torque.
- 03/09/00: MIRU Wireline Specialties WL. RIH w/3/4" OD backoff tools to 7,644'. No success in backoff. Left 1/4" x 10' steel shot rod in tbg. RIH w/free point tools to 7,554'. Could not get past obstruction (suspect shot rod stuck in jars). Worked jars. Bumper sub stopped working. RIH w/3/4" OD spud tool. No success. RIH w/3/4" backoff tools. Could not work past obstruction. PU to 7,544' & backed off DC. Left hole 1 DC, jars, bumper sub & screw-in sub in hole.
- 03/13/00: Jarred on fish to 170,000#. Both sets of jars going off & both sets of bumper subs traversing. Jarred up w/180,000# & down w/100,000# for 8 hrs. No movement of fish.
- 03/14/00: MIRU Wireline Specialties WL. RIH w/backoff shot. Set dwn on obstruction @ 7,387' FS. RIH to 7,554' FS & hit obstruction. Lost 22' primer cord. RIH w/spudding tool (5/8" x 10' rod), CCL & jars, tgd obstruction @ 7,554' FS. Stuck spudding tool. Pulled out of rope socket. Backed off DC @ 7,511' FS. Left 1 DC, jars, bumper sub, circ sub, screw-in sub & WL tools.
- 03/15/00: TIH w/3-1/16" short catch left hand overshot, 3-1/8" bumper sub, Baker reversing tool, XO & 2-7/8" PCA DP.
- 03/16/00: TOH w/tbg & reversing tool. No fish. Grapple broken. TIH w/3-7/8" OD bx tap, bumper sub, reversing tool, XO & 2-7/8" PCA DP to 7,511'. Backed off fish. Rel reversing tool & TOH. Rec 1 DC, jars & bumper sub.
- 03/17/00: TIH & tgd fish. TOH w/tbg & BHA. Rec shot rod in bx tap. TIH w/reversing tool & tbg. Tgd fish. TOH w/tbg & BHA. Rec circ sub, screw-in sub w/7' wire line, DC & top 3' of jars. TIH w/tbg & same BHA. TOH w/tbg, BHA & fish. Rec 3' section of jars. TIH w/3-1/8" grapple, overshot w/6' extension, bumper sub, reversing tool, XO & 2-7/8" PCA DP.
- 03/18/00: TIH w/new BHA, 3-7/8" O.D. overshot w/3-1/8" spiral grapple, 6' extension, bumper sub, reversing tool & 2-7/8" PCA DP. Latched onto fish. Unable back off w/5,000 ft-lbs torque. TOH

w/DP & BHA. Left overshot, grapple & extension. TIH w/3-3/4" tapered tap, 2-7/8" left hand safety jt, 3-1/8" bumper sub, new reversing tool & 2-7/8" PCA DP. Engaged fish.

03/19/00: PU 140,000# to chk engagement of fish. Backed off by working tool up and dwn w/5,700 ft-lbs torque. TOH & rec overshot, grapple, 6' extension & rest of the jars minus the btm sub.

03/21/00: TIH w/redressed reversing tool & 2-7/8" PCA DP. Engaged fish. No backoff. Dropped ball to rel bx tap. Rel bx tap w/2,000 ft-lbs left hand torque. TOH & rec upper section of the safety jt. Left lwr section of safety jt & bx tap in hole. TIH w/2" x 3-7/8" tapered tap, safety jt & 2-7/8" PCA DP. Engaged fish. Backed off fish w/3,500 ft-lbs torque. TOH. Rec lwr section of safety jt. TIH w/new tapered tap, safety jt & 2-7/8" PCA DP.

03/22/00: TIH. Engaged fish @ 7,593'. Backed off. TOH/DP & overshot. Stripped threads on tapered tap. PU & TIH w/3-7/8" Baker metal muncher mill w/stabilization bars, 4 - 3-1/8" DC's & 2-7/8" PCA DP to 5,500'. TIH to 7,593' & began milling.

03/23/00: Cont milling on DC @ 7,608'. Milled 12' in 24 hrs, 15' overall. Incr circ rate to 3,000 SCFM for better hole cleaning.

03/24/00: Milled to 7,609'. PU to 7,603'. Ppd sweep. Stuck pipe. Worked pipe, had rotation & 1 - 2' travel. Returns showed 70% metal & 30% cmt. No rotation & no movement of pipe. Circ well w/3-4 BPM 2% KCl wtr. Working pipe. No success. MIRU WL ut. RIH w/3/4" backoff tools. Tgd bit sub @ 7,603'. PU to 7,568' FS. Attempted backoff. No success. RIH w/2nd backoff shot. Hit obstruction @ 7,483' (top of DC's). POH w/backoff tools. Ppd 30 bbls 2% KCl wtr.

03/25/00: Ppd 30 bbls 2% KCl wtr dwn tbgs. Ppd obstruction loose. Attempted backoff twice w/400 gm & 500 gm charges @ 7,568'. No success. TIH w/free point tool. Pipe free to 7,603' (top of mill). Ppd 140 bbls 2% KCl wtr. Could not circ & lost rotation.

03/26/00: Worked pipe fr/65-150k lbs. RIH w/3/4" backoff shot to 7,539'. Fired backoff shot. No success. RIH w/3/4" backoff shot to 7,483' & tgd obstruction. RIH w/3/4" backoff shot to 7,411' & tgd obstruction. PU to 7,321'. Attempted backoff. Shot did not fire. RIH w/3/4" backoff shot to 7,381'. Attempted backoff. No success. RIH w/3/4" backoff shot to 7,452' & tgd obstruction. PU to 7,411'. Fired shot & lost 2 rds left hand torque. PU & turn pipe to left 1 rd & pipe move up hole 3'. POH 20' w/90k & 4,500 ft-lbs left hand torque. DP backoff @ 4,500'. Pipe dropped back to 7,603'. Screwed back into DP. Regained circ.

03/27/00: Regained rotation. PU 5' w/left rotation. Std pulling wt. Retightened string to rt w/6,500 ft-lbs torque. Worked pipe 13' up hole to 7,590'. Worked pipe up & dwn. Back milled 5' to 7,585'. Worked pipe fr/150 to 65K. Worked string fr/150 to 65 K, 6 times. Pulled free. TOH & LD DP.

03/28/00: Fin TOH w/2-7/8 DP. Found XO sub between DP & DC's snapped off. Left pin end of XO, 4 - 3-1/8" DC's, bit sub & 3-7/8" Baker metal muncher mill in well. Top of fish @ 7,484'. Btm of fish @ 7,609'. TIH w/NC & 110 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbgs as kill string. EOT set @ 3,606' KB. RDMO PU.

Schlumberger

Anadrill

Survey Calculation Sheet

Company Cross Timbers

Well UTE Mountain Tribal J#7

Field UTE Mountain

Rig Key # 54

Anadrill D.D.

Mag. Decl. 11.60

Target TVD 8700

Target Az. 180

Tgt. Coord. 1

Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLS	B./D.
File - In		0.01	0.01	0.01		0.01	0.01	0.01 N	0.01 E		
	1	899	2.9	345.4	899	898.61	-22.32	22.32 N	5.80 W	0.32	0.32
	2	1085	2.7	346.2	186	1084.39	-31.10	31.10 N	8.03 W	0.15	-0.15
	3	1271	3.5	353.6	186	1270.12	-40.84	40.84 N	9.67 W	0.48	0.43
	4	1457	4.1	355.3	186	1455.72	-53.01	53.01 N	10.84 W	0.35	0.34
	5	1643	5.3	0.7	186	1641.09	-68.19	68.19 N	11.27 W	0.69	0.65
	6	1829	9.5	5.6	186	1825.52	-91.99	91.99 N	9.67 W	2.27	2.24
	7	2015	10.8	2.5	186	2008.63	-124.55	124.55 N	7.42 W	0.76	0.70
	8	2201	12.0	1.0	186	2190.95	-161.29	161.29 N	6.34 W	0.71	0.69
	9	2405	11.8	5.5	204	2390.55	-203.35	203.35 N	4.00 W	0.47	-0.11
	10	2445	11.8	5.9	40	2429.71	-211.49	211.49 N	3.19 W	0.21	-0.08
	11	2477	10.3	8.8	32	2461.12	-217.55	217.55 N	2.42 W	5.10	-4.78
	12	2508	9.8	10.7	31	2491.65	-222.87	222.87 N	1.51 W	1.77	-1.42
	13	2540	8.3	13.0	32	2523.25	-227.79	227.79 N	0.48 W	4.97	-4.84
	14	2571	8.4	14.5	31	2553.92	-232.16	232.16 N	0.58 E	0.88	0.55
	15	2634	7.8	14.2	63	2616.29	-240.75	240.75 N	2.78 E	1.06	-1.06
	16	2665	7.8	13.0	31	2647.01	-244.83	244.83 N	3.77 E	0.54	0.10
	17	2756	7.4	16.2	91	2737.21	-256.46	256.46 N	6.79 E	0.64	-0.44
	18	2850	5.4	9.6	94	2830.62	-266.65	266.65 N	9.23 E	2.23	-2.09
	19	2944	3.9	17.3	94	2924.31	-274.05	274.05 N	10.91 E	1.80	-1.68
	20	3130	2.5	37.1	186	3110.03	-283.19	283.19 N	15.17 E	0.94	-0.75
	21	3287	2.6	37.9	157	3266.87	-288.69	288.69 N	19.39 E	0.09	0.09
	22	3444	2.6	49.6	157	3423.71	-293.85	293.85 N	24.33 E	0.34	0.03

