

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

NAME OF OPERATOR

Cross Timbers Operating Company

ADDRESS AND TELEPHONE NO.

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

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

At surface
5' FNL & 520' FEL Unti A Sec 10, T 31 N, R 14 W

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE SPUDDED
8/30/99

16. DATE T.D. REACHED
9/29/99

17. DATE COMPL. (Ready to prod.)
12/10/99

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
5,916' GL

19. ELEV. CASING HEAD

TOTAL DEPTH, MD & TVD
8,500' KB

21. PLUG, BACK T.D. MD & TVD
8,150' KB

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS
0-8,500'

CABLE TOOLS

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

0.039' - 8,108'

25. WAS DIRECTIONAL
SURVEY MADE
Yes

TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Sonic, Microlog GR, CNL, Induction, CBL, CCL

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" J-55	24#	854'	12-1/4"	Surf 325 SF	
12" J-55	17#	8,500'	7-7/8"	Surf 7345 SF 2561 SF	

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
					SIZE DEPTH SET (MD) PACKER SET (MD)
					2-7/8" 7,957' 7,957'

PERFORATION RECORD (Interval, size and number)

8,441' - 44' CIBP 8,306'
8,196' - 8,200', 8,215' - 17' & 8,226' - 29' CIBP 8,150'
8,039' - 52', 8,068' - 82' & 8,102' - 08'

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

A. 8,441' - 44' 700 gals 20% HCl
A. 8,196' - 8,229' 5,000 gals 15% HCl
A. 8,039' - 8,108' 5,000 gals 20% HCl

PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)
F

WELL STATUS (Producing or shut-in)
SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS - OIL RATIO
9/9/99	4 hrs	1"		0	1,575	0	
DOWN TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
50 psig	0 psig (pkr)		0	0,450			

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

to be sold

LIST OF ATTACHMENTS

ACCEPTED FOR RECORD

By: San Juan Resource Area
Bureau of Land Management

TEST WITNESSED BY
Loren W. Fothergill

SIGNED Loren W. Fothergill TITLE Production Engineer

DATE 12/10/99

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

18 U.S.C. Section 1001, makes 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.

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
				Dakota	2,438'	
				Burro Canyon	2,622'	
				Morrison	2,647'	
				Entrada	3,461'	
				Hermosa Group	6,467'	
				Ismay	7,530'	
				Desert Creek	7,755'	
				Akah	7,852'	
				Barker Creek	8,032'	
				Alkalai Gulch	8,252'	

Mountian Ute Gas Com N #1

- 11/18/99 MIRU PU.
- 11/19/99 DO DV tool @ 3,700' KB. Tgd cmt @ 8,461' KB.
- 11/20/99 Ran CBL/GR/CCL fr/8,458' (PBTD) to TOC @ 5,570' KB. Press tstd csg to 4,500 psig. Held OK. Perf'd Alkali Gulch fr/8,441'-44' w/4" guns, 19 gram charges, 2 JSPF (3' overall, 3' net pay, 7 holes). TIH w/pkr, SN & 2-7/8" tbg to 8,386' KB. Set pkr @ 8,386'. Acidized perfs fr/8,441'-44' w/700 gal 20% HCl acid. BD @ 1.3 BPM & 2,550 psig. ISIP 1,300 psig. 5" SIP 1,175 psig. 10 SIP 1,070 psig. 15" SIP 1,000 psig.
- 11/21/99 SITP 0 psig. Swabbed well in. F. 449 MCFPD, FTP 120 psig, 3/8" ck. Gas will not flare.
- 11/22/99 F. 0.1 BLWPH, 1,406 MCFPD, FTP 80 psig, 3/4" ck. SWIFPBU
- 11/23/99 Gas analysis: 2.151% N₂, 24.949% C₁, 72.654% CO₂. No H₂S. BTU 260.5.
- 11/24/99 RIH w/tandem electronic gauges to 8,400' FS. BHP 2,815.44 psig @ 8,400' FS. SITP 1,542 psig. Temp 214.75 deg F. Set 5-1/2" CIBP & set @ 8,306'. Press tstd CIBP to 4,000 psig. Held OK. Perf'd Lwr Barker Creek fr/8,196'-8,200', 8,215'-17' & 8,226'-29' w/4" csg gun, 2 JSPF, 19 gram charges (33' overall, 9' net pay, 21 holes).
- 11/29/99 SICP 250 psig. TIH & set pkr @ 8,153'. BD & acidized Lwr Barker Creek perfs fr/8,196'-8,229' dwn 2-7/8" tbg w/5,000 gals 15% HCl acid & 32 - 7/8" RCN balls. Ppd 672 gals acid @ 3 BPM & 1,340 psig. Incr rate to 4.5 BPM & 1,840 psig. Incr rate to 6 BPM & press decr to fr/1,600 psig to 60 psig w/acid on fmt. Std dropping 1 ball/2 bbls acid. Decr rate to 4 BPM & 1,900 psig w/3,150 gals acid ppd. Press broke back to 1,600 psig. Balled out to 4,000 psig. Surged balls off. Flushed w/70 bbls 2% KCl wtr. ISIP 250 psig. 5" SICP 250 psig. 10" SIP 250 psig. 15" SIP 250 psig. 40" SIP vac. S. 84 BLW, 9 runs.
- 11/30/99 SITP 60 psig. S. 148 BLW, 18 runs.
- 12/01/99 SITP 620 psig. F. 1/2 BWPH, 646-153 MCFPD, FTP 170-30 psig, 3/8" ck
- 12/02/99 S. 70 BW, 9 runs. FFL 5,800' FS. Well KO on each swb run for 30" @ FTP 35 psig before dying.
- 12/04/99 FTP 0 psig. S. 15 BW, 2 runs. Obtained gas analysis. H₂S 0.4%, CO₂ 45.65%, C₁ 50.95%.
- 12/06/99 SITP 700 psig. RIH w/tandem electronic gauges. BHP 959.31 @ 8,200' FS. BHT 207.9 deg F. TIH and set CIBP @ 8,150' KB. Perf'd Upper Barker Creek fr/8,039'-52', 8,068'-82' & 8,102'-08' w/4" csg gun, 19 gram charges, 2 JSPF (69' overall, 33' net pay, 69 holes).
- 12/07/99 SICP 265 psig. TIH & set pkr @ 7,998' KB. Acidized Upper Barker Creek perfs fr/8,039'-8,108' dwn 2-7/8" tbg w/5,000 gals 20% HCl acid & 105 - 7/8" RCN balls. BD perfs @ 3.8 BPM & 1,280 psig. Observed several breaks fr/1,900 to 1,250 psig. Balled off perfs @ 6,000 psig. ISIP vac. S. 30 BLW, 2 runs. Well KO flwg. F. 10 BLWPH, FTP 150 psig, 2" flw line.
- 12/08/99 F. 0 BLWPH, 9,470 MCFPD, FTP 350 psig, 1" ck.
- 12/09/99 Shut well in for pressure buildup.
- 12/10/99 BHP 1,645.6 psig @ 8,090' KB. BHT 209.5 deg F. Landed tbg as follows: 5-1/2" Schlumberger HD pkr, 2-7/8" x 2-3/8" XO, SN, 244 jts 2-7/8", J-55, 6.5#, EUE, 8rd tbg & 1 - 2-7/8" x 10' pup jt. Set pkr @ 7,957' KB w/35,000# compression. SN set @ 7,949' KB. RDMO PU.