

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Cross Timbers Operating Company

3. Address and Telephone No.

6001 Hw 64, Farmington, NM 87401

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

850' FNL & 1,150' FWL, Unit D, Sec 26, T27N, R08W

5. Lease Designation and Serial No.
NMSF 078480

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Dawson Federal #1

9. API Well No.

300451187300

10. Field and Pool, or Exploratory Area

Basin Mesa Verde

11. County or Parish, State

San Juan County, NM

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☒ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Cross Timbers Operating Company hereby request approval to recomplete the Mesa Verde formation. The Mesa Verde will be completed in two separate stages. Each stage of work will consists of perforating, acidizing and fracture stimulation. Both stage will be cleaned out and the Mesa Verde zone will then be evaluated. Cross Timbers is planning on starting the proposed work by September 30, 1998.

14. I hereby certify that the foregoing is true and correct

Signed

Title Production Engineer

Date 09/10/98

(This space for Federal or State office use)

Approved by

/S/ Duane W. Spencer

Title

Team Lead, Petroleum Management

Date

JUN 25 1999

ditions of approval, if any:

Title 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.

*See Instruction on Reverse Side

NMOC



DAWSON FEDERAL #1
MESAVERDE RECOMPLETION PROCEDURE

CASING: 4.5", 10.5 & 11.6#, J-55 csg @ 6,739'. PBTD @ 6,688'.
PERFORATIONS: Dakota fr/6,538'-44', 6,588'-94', 6,626'-27', 6,634'-38' & 6,652'-56' (1 JSPF).
Mesaverde FR/4,446'-56', 4,480'-84', 4,492'-96', 4,502'-12', 4,542'-46' & 4,588'-91' (originally 1 JSPF. Reperf'd @ 4 JSPF 3/28/91). SQZ'D twice w/17sx & 35sx cmt.
TUBING: 204 jts 2-3/8" 4.7# J-55 EUE 8rd tbg, Baker "F" nipple, 1 jt 2-3/8" tbg, seal assbly & mule shoe. Tbg landed @ 6518'. Model "D" pkr @ 6510'.
CURRENT STATUS: F. 14 MCFPD (April avg).
OBJECTIVE: Tst 4-1/2" csg for leaks below & above MV perfs, run CBL, reperf the MV fr/4,446'-4,591', OAP in the Menefee MV fr/4,138'-4,238', perform acid breakdwn, frac each zone separately & RWTP as MV single. The well will be commingled when the load is recovered.

1. Blow well dwn. Kill well w/2% KCl wtr if necessary.
2. MIRU PU.
3. ND WH. NU BOP.
4. POH w/2-3/8" tbg, SN & seal assbly. Stand back production tbg.
5. PU & TIH w/4-1/2" Baker sdl drill. DO model "D" pkr & knock to bottom. TOH.
6. PU & TIH w/4-1/2" RTTS pkr, RBP & 2-3/8" N-80 workstring tbg.
7. Set RTTS pkr @ 6,520' KB. Press tst TCA to 500 psig. (Note csg has been squeezed, do NOT exceed 500 psig)
8. Rel RTTS pkr. PU & set RBP @ ^{4,690'}4,625' KB. PU & reset RTTS pkr. Press tst RBP to ~~1,000~~ psig. POH w/2-3/8" tbg & RTTS pkr. Dump 2 sks sd on RBP.
9. MIRU WL trk.
10. Run CBL fr/4,625' – surf or TOC (which ever comes first).



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11. TIH w/3-1/8" csg gun & perf Mesaverde w/1 JSPF @ 4,591', 4,588', 4,546', 4,544',
OK 4,542', 4,512', 4,510', 4,506', 4,502', 4,496', 4,494', 4,492', 4,484', 4,482', 4,480', 4,456',
OK 4,450', 4,448' & 4,446' (19 holes, 145' overall picked fr/Schlumberger Compensated
Density log dated 10/21/66). Correlate to CBL log run.
12. RD WL trk.
13. Have 3 – 400 bbl frac tnks set on loc. Fill both tnks w/FW.
14. PU & TIH w/4-1/2" RTTS pkr, 2-3/8" workstring tbg to 4,591'.
Try to do steps 15 – 27 in one day.
15. MIRU service co.
16. Spot 2.5 bbls 15% HCl acid fr/4,591'-4,434' (across perfs fr/4,446'-4,591'). PU pkr to
4,400'. Rev circ 2 bbls 2% KCl wtr. Set RTTS pkr @ 4,100' (chk CCL to ensure pkr is
not set in csg collar). Press tst TCA to 500 psig.
17. Acidize perfs fr/4,446'-4,591' w/900 gals 15% HCL acid & 30 – 7/8" dia, 1.3 sp gr BS @
2 BPM & 5,500 psig (max). Drop 2 BS per bbl until all BS are gone. Record ISIP, 5",
10" & 15" SIPs.
18. Surge well & allow BS to fall. Lower pkr thru perfs & knock off BS.



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19. Frac perfs fr/4,446'-4,591' w/6,650 gals X/L fluid (20#, borate X-linked, guar gelled, 2% KCl wtr) & 14,050 lbs 20/40 Arizona sd @ 15 BPM & 5,500 psig (max) as follows:

Stage	Volume (gal)	Fluid	Sd conc (ppg)	
1	3,000	x-linked gelled 2% KCl wtr	0	pad
2	500	x-linked gelled 2% KCl wtr	2	slurry
3	750	x-linked gelled 2% KCl wtr	3	slurry
4	1,200	x-linked gelled 2% KCl wtr	4	slurry
5	1,200	x-linked gelled 2% KCl wtr	5	slurry
6	120	15% HCl acid	0	flush
7	<u>660</u>	2% KCl wtr	0	flush
Total	7,320			

Batch mix all fluids. Rec ISIP, 5", 10" & 15" SIPs. Hold 500 psig, in the TCA during frac job. Include a pop-off vlv (set @ 750 psig) on the TCA.

20. Rel RTTS pkr. POH w/2-3/8" workstring tbg & RTTS pkr.
21. RU WL trk.
22. TIH w/3-1/8" csg gun & RBP run in tandem (if possible). Set RBP @ $\pm 4,284'$ (chk CCL to ensure pkr is not set in csg collar).
✓
↑
TST RBP TO 500 psig
23. Perf Mesaverde w/2 JSPF @ 4,238', 4,236', 4,218', 4,216', 4,186', 4,164', 4,162', 4,144' & 4,138' (18 holes, 100' overall picked fr/Schlumberger Compensated Density log dated 10/21/66). Correlate to CBL log run.
24. TIH w/RTTS pkr & 2-3/8" workstring tbg. Set pkr @ $3,990'$ (chk CCL to ensure pkr is not set in csg collar). Press tst TCA to 500 psig.
~~4,000'~~
25. Acidize perfs fr/4,138'-4,238' w/450 gals 15% HCL acid & 30 – 7/8" dia, 1.3 sp gr BS @ 2 BPM & 1,500 psig (max). Drop 2 BS per bbl until all BS are gone. Record ISIP, 5", 10" & 15" SIPs.
26. Surge well & allow BS to fall. Lower pkr thru perfs & knock off BS.



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MESAVERDE RECOMPLETION PROCEDURE

27. Frac perms fr/4,138'-4,238' w/15,000 gals X/L fluid (20#, borate X-linked, guar gelled, 2% KCl wtr) & 41,000 lbs 20/40 Arizona sd @ 15 BPM & 5,500 psig (max) as follows:

Stage	Volume (gal)	Fluid	Sd conc (ppg)	
1	5,000	x-linked gelled 2% KCl wtr	0	Pad
2	1,000	x-linked gelled 2% KCl wtr	2	Slurry
3	1,000	x-linked gelled 2% KCl wtr	3	Slurry
4	4,000	x-linked gelled 2% KCl wtr	4	Slurry
5	4,000	x-linked gelled 2% KCl wtr	5	Slurry
7	<u>670</u>	2% KCl wtr	0	Flush
Total	15,670			

Batch mix all fluids. Rec ISIP, 5", 10" & 15" SIPs. Hold 500 psig on the TCA during frac job. Include a pop-off vlv (set @ 750 psig) on the TCA. RDMO service co & WL trk.

28. Flow back well until dead.
29. Rel pkr. POH w/2-3/8" tbg & TST pkr.
30. TIH w/drill bit & 2-3/8" tbg. . CO sd & DO CIBP.
31. TIH w/2-3/8" notched collar, SN & 2-3/8" tbg. CO sd to CIBP. Circ well clean w/2% KCl wtr if possible (nitrogen may be required). PU to 4,520'. Land tbg @ 4,520'. ND BOP. NU WH.
32. Swab well until it KO flwg.
33. RDMO PU. Leave well flwg as a MV single until commingle permit is received.