

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

NMNM - 14922

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.

Carson Federal I #1

9. API Well No.

30 039 25533

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Rio Arriba NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Cross Timbers Operating Company

3a. Address

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

3b. Phone No. (include area code)

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

1,810' FNL & 1,030' FEL Sec 34, T28N, R04W

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximated 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 final site is ready for final inspection.)

Cross Timbers hereby requests approval to plug and abandon the above mentioned well. A copy of the plugging procedure is enclosed for your review. Cross Timbers plans to complete the plugging operations on or before the forest winter restrictions begin (Nov. 1st).

RECEIVED
SEP - 1 1999
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jeffery W. Patton

Title

Production Engineer

Date

08/23/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

151 Enal D. Becker

Title

Date

AUG 30 1999

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, 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.

NMOCB



Carson Federal I #1

Plug to Abandon

Casing: Surface: 8-5/8", 24# @ 97' KB. Circ cmt to surface.
Intermediate: 5-1/2", set @ 4,512' KB. Circ cmt to surface.
Long string: 2-7/8", 6.5#, N-80 @ 6,700' KB. PBTD 6,641' KB
(drillers). TOC @ 4,050' by TS. *Top of fish @ 5,959'.*

Perforations: Mesaverde fr/5,980', 84', 92', 6,002', 10', 12', 22', 30', 42', 52', 54', 70', 6,218', 44', 48', 6,372', 76', 78', 81', 90', 6,420', 28', 34', 42', 56', 68', 83', 98', 6,504', 12'.

Tubing: None, slimhole completion.

Current Status: Shut in gas well.

Objective: Plug and Abandon.

1. Test anchors on location.
2. MIRU PU. Check and record casing and bradenhead pressures.
3. MI pump & pit. Fill pit w/80 bbls fresh wtr. MI 200 bbl wash-up or flowback tank. MI 2-7/8" elevators & spiders. BOP needs 2-7/8" rams.
4. Blow dwn well. Kill well as required. ND WH. RU on the 2-7/8" csg. PU and stretch the 2-7/8" csg. Measure length of stretch & pull applied to csg. Calc approx. depth to TOC. TOC indicated at 4,050' by TS. Report stretch data to CTOC.
5. Load 2-7/8" csg w/fresh wtr. EIR into MV formation w/25 bbls wtr using rig pmp. Record various rates and pressures. Report rates & pressures to CTOC.
6. MI & RU cmt pmp trk. Load csg & EIR into MV formation w/25 bbls wtr. Notify CTOC that an injection rate has been established. CTOC will approve the "go ahead" to set the 1st plug in the 2-7/8" csg.
7. Pump the 1st plug w/73 sx class "B" cmt (@ 15.6 ppg). Measure cmt volume by measuring amount of mixing wtr required (\pm 380 gals). Add (2% equivalent) CaCl₂ to the last 100 gals of mixing wtr needed to finish this plug. Displace the top of plug to 4,050' (if possible) w/23.4 bbls fresh wtr. Max pressure during displacement is 5,000 psig. RD cmt pmp trk.
8. WOC.
9. MIRU WL trk. RIH & tag top of first cement plug w/WL. RIH w/perf gun to just above top of 1st cmt plug (\pm 4,000'). Perf 1 hole through the 2-7/8" csg. Attempt to est circ. If circ can be established, load hole. If circ can not be established, PU



& re-perf 2-7/8" csg w/1 hole $\pm 40'$ above previous point. Attempt to est circ. Repeat as necessary.

10. Once circ is est & hole is loaded, RIH w/jet cutter & cut csg @ perf. RDMO WL trk.
11. TOH w/2 stands 2-7/8" csg. Verify that 2-7/8" csg will move & should come out of hole easily.
12. TIH w/2-7/8" csg to cut-off point. Re-establish circ. Record rate & pressure while circ (if any). PT 5-1/2" csg to 500 psig. If csg will not tst to 500 psig, then spot & tag subsequent plugs as appropriate.
13. RU cmt pmp trk. Spot & balance 2nd cmt plug fr/cut-off point to 3,480'. Adjust cmt volume as required depending on cut-off point. Use class "B" cmt mixed @ 15.6 ppg. Again, measure mix wtr to verify plug volume. Add (2% equivalent) CaCl_2 to mix wtr if needed.
14. TOH w/2-7/8" csg to 2,480'. WOC.
15. TIH & tag top of 2nd plug (@ $\pm 3,480'$) if required.
16. TOH & LD 2-7/8" csg to 2,330'. Establish circ. Record pressure & rate (if any). Spot & balance the 3rd cmt plug fr/2,330'-2,230' w/17 sx class "B" cmt (@ 15.6 ppg). Measure mix wtr to verify plug volume. Add (3% equivalent) CaCl_2 to mix wtr if csg did not tst. TOH w/2-7/8" csg to 1,330'. WOC.
17. TOH & LD 2-7/8" csg to 147'. Establish circ. Spot & balance the 4th cmt plug fr/147'-surface w/20 sx class "B" cmt. RDMO cmt pmp trk.
18. TOH & LD remaining 2-7/8" csg. RD BOP. RD WH. Notify CTOC that all 2-7/8" csg recovered is racked and the wellhead are ready to be returned to CTOC yard.
19. RDMO PU.
20. Reclaim location as specified by the BLM and/or original APD.
21. Install abandonment marker as required by BLM.

Approvals: _____

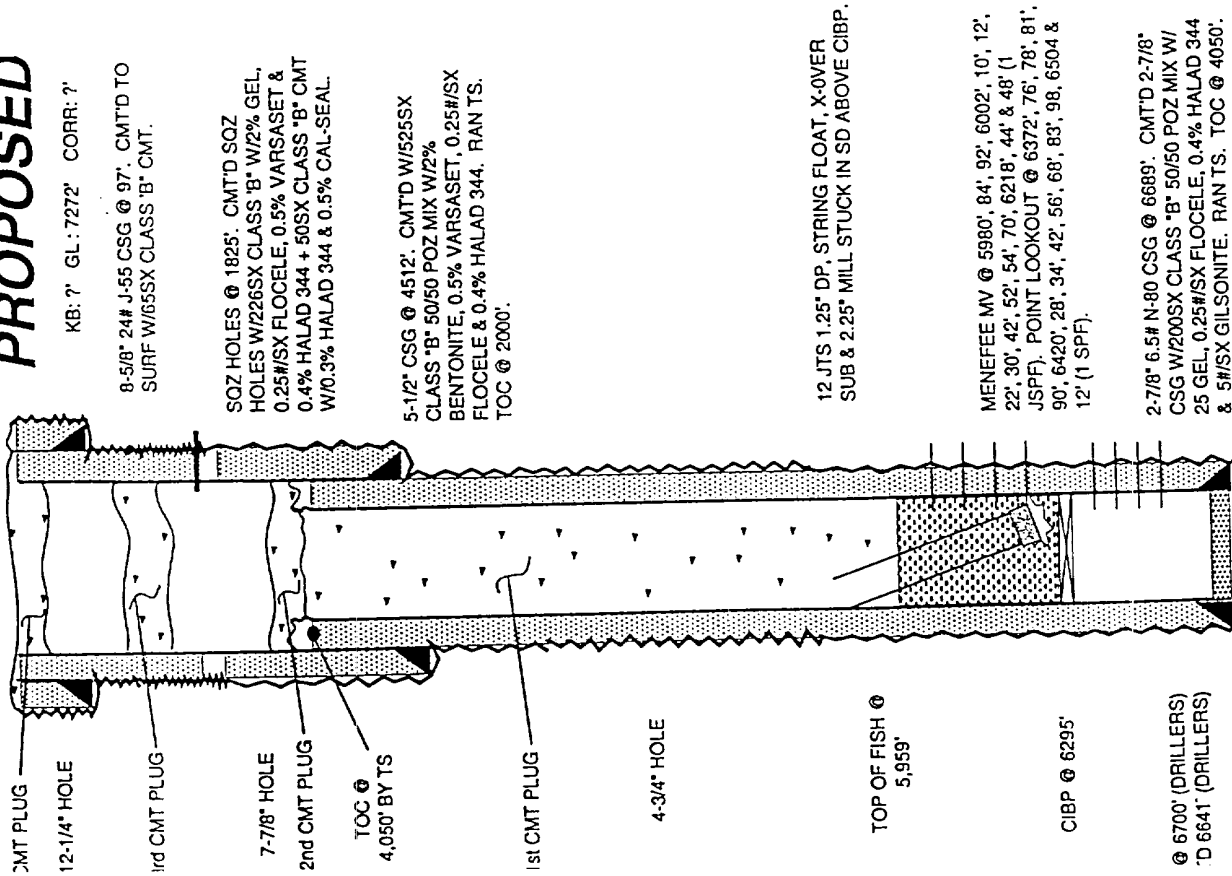
CARSON FEDERAL I #1 WELLBORE DIAGRAM

PROPOSED

LOCATION: 1810' FNL & 1030' FEL, SEC 34, UNIT H, T28N, R4W
COUNTY/STATE: RIO ARriba COUNTY, NM
FIELD: BLANCO MESAVERDE
FORMATION: MESAVERDE
NM LEASE#: NM-14922 API#: 3003925533 CTOC WELL#:
SPUD DATE: 8/19/95 COMPLETION DATE: NA
IP: NEVER PRODUCED
PRODUCTION METHOD: SI GAS WELL
TUBING STRING: NONE
PERFS: MENEFEE MV @ 5980', 84', 92', 6002', 10', 12', 22', 30', 42', 52', 54', 70', 6218', 44' & 48' (1 JSPF).
POINT LOOKOUT @ 6372', 76', 78', 81', 90', 6420', 28', 34', 42', 56', 68', 83', 98, 6504 & 12' (1 SPF).

DATA

HISTORY



REVISED BY JWP 07/12/99

CARSON FEDERAL I WELL # 1

RESERVOIR MESAVERDE

FORECAST

0 MCFPD

07/30/98 F. 0 BO, 0 BW, 85 MCF, FCP 282 psig (slimhole), LP 86 psig, 23/64" ck, 24 hrs. SI Valencia Canyon Unit #10 on 7-29 @ 12:30 p.m. Connected Carson Federal I #1 to prod unit for test.

DWC \$0 CWC \$0

09/16/98 SICP 625 psig (slimhole), SIBHP 0 psig. Blew well dwn. MIRU PU. TIH w/2.25" IB on sd line. Tagged top of fish @ 5,595' FS. IB indicated 1-13/16" TJ looking up. TIH w/1 jt 1-13/16" NSL DP, bmp sub, XO sub, Bowen hyd jars, XO sub & 193 jts 1-13/16" NSL DP. Screwed DP into fish. Jarred on fish 11 times. No movement. Pulled 40K to work jars. No movement. SDFN.

DWC \$8,789 CWC \$8,789

09/17/98 SITP 0 psig, SICP 175 psig. MI pmp & pit. Ppd dwn tbg w/5 bbls 2% KCl wtr to 1,000 psig. Could not break circ. Jarred on fish while holding 1,000 psig press on tbg. Lost 400-600 psig in 2-4 min while jarring, appears to be leaking @ tool joint. Jarred for 2 hrs. Unable to pull fish and break circ. Ppd dwn TCA w/30 bbls 2% KCl wtr. AIR 2 BPM @ 500 psig. Appears formation is taking fluid. Switched pmp back to tbg. Press up on tbg @ 1,000 psig while jarring. Jarred for 1 hr. Jars stopped working. Unable to pull fish and break circ. Backed off of fish. TOH w/jars & macaroni tbg. LD jars. TIH w/macaroni tbg & screwed into fish @ 5,959'. SDFN. Waiting on free point. 43 BLWTR.

DWC \$8,329 CWC \$17,118

09/18/98 SITP 0 psig, SICP 0 psig. MIRU WL trk. TIH w/0.75" sinker bar to 5,959' FS. Tagged top of fish. Could not work sinker bar through top of fish @ 5,959' FS. TOH w/sinker bar. RDMO WL trk. TOH & LD 194 jts macaroni tbg. ND BOP. NU WH. RDMO PU. SWI. 43 BLWTR. Final report for attempted recovery of fish.

DWC \$6,432 CWC \$23,550