

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

700 JUN 26 PM 1:37

070 FARMINGTON, NM

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)

790' FNL & 1,520' FWL, Unit C, Sec 22, T28N, R10W

5. Lease Serial No.

SF-077383A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Davidson Gas Com 1E
"H"

9. API Well No.
30-045-23992

10. Field and Pool, or Exploratory Area
Basin Dakota

11. County or Parish, State
San Juan NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input checked="" type="checkbox"/> Recomplete | <input type="checkbox"/> Other |
| <input type="checkbox"/> Change Plans | <input 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 recomple 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 recomple 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 is requesting approval to open addition pay in the Chacra formation. A copy of the recomple procedure is enclosed for you review.

Dakota shut in Approved for one year
Expires February 11, 2001
GJP



Held C102 for C104

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

Name (Printed/Typed)

Thomas DeLong

Title

Production Engineer

Date

1/25/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Charlie Beauchamp

Title

Date

FEB - 8 2000

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.

NMOC

Cross Timbers Operating Company

Workover Procedure

Davidson Gas Com "H" #1E
790' FNL & 1,520' FWL UNIT C, SEC 22 T28N R10W
San Juan County, New Mexico

Formation: Basin Dakota

Production Csg: 4-1/2", 11.6#, K-55, csg @ 6689'. DV tool at 4,668' KB. Cmt'd first stage w/465 sx cmt. Circ 20 sx cmt. Cmt'd second stage w/1,215 sx cmt. Circ 35 sx cmt.

Tubing: 216 jts 2-3/8", 4.7#, K-55, 8rd, EUE tbg w/SN & NC on btm. EOT @ 6,645'.

Perforations: 6,458'-66', 6,518'-80', 6,590'-6,602', 6,606'-08' & 6,629'-36' 2 JSPF (ttl 184 - 0.38" holes).

Current Status: Producing from Dakota – F. 0 BO, 0.3 BW, 98 MCF, FTP 100 psig, SICP 118 psig, LP 101 psig, op ck, 24 hrs.

Purpose: Complete the Chacra formation.

1. Check location for anchors. Replace and test anchors as necessary.
2. Set 2 - 400 bbl frac tanks and 1 flow back tank. Load frac tanks with 600 barrels 2% KCl water.
3. MIRU PU. ND WH. NU BOP.
4. Tag for fill. Note end of 2-3/8" tubing @ 6,645' KB and PBTD @ 6,680' KB. TOH and tally 2-3/8" tubing. Visually inspect tubing and lay down any bad joints.
5. MIRU wireline services. Run a gauge ring for 4-1/2", 11.6# casing to 3,600' KB. Run GR/CCL from PBTD (6,680' KB) to 2,130' KB. Correlate with Gearhart-Owen Density Side Wall Neutron open hole log dated 3/6/80.
6. Set a CIBP for 4-1/2", 11.6# casing on wireline @ $\pm 3,500'$ KB. Do not set in collar.
7. Load casing with 2% KCl water and pressure test casing to 3,000 psig.
8. TIH with 3-1/8" HCS perforating gun. Perforate the Chacra at 2 JSPF at 120 deg. phasing (60 holes, 12 gm., 0.30" dia. hole, 17.48" penetration) as follows:

3,150'-68'

3,050'-62'

Depths based on Gearhart-Owen Density Side Wall Neutron log dated 3/6/80.

9. TIH with packer and RBP for 4-1/2", 11.6# casing. Set RBP at $\pm 3,300'$ KB and packer at $\pm 3,100'$ KB. Load backside with 2% KCl water.
10. MIRU stimulation services. Breakdown lower Chacra perforations from 3,150'-68' with 500 gals 15% HCl acid. Record ISIP, 5", 10" and 15" SIP. Do not exceed 4,000 psig.
11. Reset RBP at $\pm 3,100'$ KB and the packer at $\pm 3,000'$ KB. Load backside with 2% KCl water.
12. Breakdown the upper Chacra perforations from 3,050'-62' with 500 gals 15% HCl acid. Record ISIP, 5", 10" and 15" SIP. Do not exceed 4,000 psig.
13. TOH with RBP and packer.
14. Frac the Chacra from 3,050'-3,168' down 4-1/2" casing at 35 BPM with 65,000 gals 20# linear gelled, 70 quality nitrogen foamed, 2% KCl water and 115,000 lbs 20/40 Brady sand. Do not exceed 3,000 psig.

<u>Fluid Volume (gals)</u>	<u>Sd Conc (lb/gals)</u>	<u>Total Sand (lbs)</u>	<u>Sand Mesh Size</u>
20,000	0.0	0	Pad
10,000	1.0	10,000	20/40 Brady
10,000	2.0	20,000	20/40 Brady
15,000	3.0	45,000	20/40 Brady
10,000	4.0	40,000	20/40 Brady
1,900	0.0	0	Flush

15. Immediately flowback well after frac on 8/64" choke. Have larger choke sizes available.
16. After well dies, TIH with NC, SN and 2-3/8", 4.7#, J-55, EUE 8rd tubing. Tag for fill and clean out if necessary. Set end of tubing at approximately 3,155' KB.
17. If necessary, swab well until it kicks off and flows. Flowback well on 8/64" choke. Have larger choke sizes available. RDMO PU.
18. RWTP. Obtain well tests as necessary.

Note: It is planned to commingle the Chacra and Dakota formations. This work will be scheduled after the Chacra production stabilizes and regulatory approval has been obtained to commingle.

1. MIRU PU.
2. Tag for sand fill. TOH with 2-3/8" tubing.
3. TIH with 3-7/8" cone bit, 4 DC's and 2-3/8" tubing to top of fill. Rig up air-foam unit.
4. Clean out fill and drill out CIBP at $\pm 3,500'$ KB. Clean out hole to PBTD of 6,680' KB.
5. TOH and rig down air-foam unit.
6. TIH with NC, SN and 2-3/8", 4.7#, J-55, EUE 8rd tubing. Set end of tubing at approximately 6,550' KB.
7. Swab well until it kicks off and flows.
8. RWTP. Obtain well tests as necessary.