

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.

SF 079232

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Bolack C LS #14A

9. API Well No.

3004526553

10. Field and Pool, or Exploratory Area

Otero Chacra
Blanco Mesaverde

11. County or Parish, State

Sna Juan 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)

2,130' FSL & 980' FEL Sec 30, T27N, R08W

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

- | | | | |
|---|---|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other DHC |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete 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 recompletion 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 Timber Operating Co. is requesting approval to begin the downhole commingling workover as described in the enclosed procedure. This workover will begin as soon as approval can be obtained.

RECEIVED
APR - 2 1999
OIL CON. DIV.
DIST. 3

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

W. Patten

Title

Production Engineer

Date 3/18/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Joe Howitt

Title

Date

MAR 29 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.

(Instructions on reverse)

DHC-2240 (S)

NMOC



Bolack "C" LS #14A

DHC the MV & Chacra WORKOVER PROCEDURE

WI – 100.0000%
NRI – 67.5000%

Casing: Surface: 9-5/8", 36.0# csg @ 330' KB.
Intermediate: 7", 23.0#, J-55 csg @ 3,394' KB.
Liner: 4-1/2", 10.50#, J-55 liner fr/4,803'-3,259' KB.
PBTD 4,756' KB.

Perforations: Chacra fr/3,074'-83' & 3,199'-3,202' (2 JSPF, 24 holes).
Mesaverde fr/4,131'-45', 4,380'-92', 4,397'-4,413', 4,425'-40',
4,443'-60', 4,468'-76', 4,485'-88', 4,498'-4,508', 4,516'-25',
4,665'-74' & 4,692'-4,701' (1 JSPF, 122 HOLES).

Tubing: Dual Strings:
SS. 96 jts 1-1/4", 2.4#, J-55, EUE, 10rd siphon string tbg, SN,
1 jt 1-1/4" & OP perf sub. Tbg landed @ 3,197'.
LS. 144 jts (ttl) 2-3/8", 4.7#, J-55, EUE tbg, rubber blast jts
(across fr/Chacra perfs), Baker model "D" production pkr, seal
assy, "F" nipple & mule shoe. Landed @ 4,657'. Model "D"
packer @ 3,250'.

Current Status: MV currently flwg @ 58 MCFPD & 120 psig.
Chacra currently flwg @ 53 MCFPD & 207 psig.

Objective: Remove 1-1/4" siphon string & 2-3/8" tbg & seal assy. CO well
to PBTD. RWTP as a DHC.

Special Equipment: *Slip grip elevators may be required to trip 2-3/8" tbg below
packer.*

1. Test anchors on location.
2. MIRU WL. RIH (dwn 2-3/8" MV tbg) w/1.75" sinker bar. Tag for fill (PBTD @ 4,710'). RIH w/1.901" gauge ring to 3,250'. Check ID of blast jts across fr/Chacra perfs. Notify Dusty Mecham w/CTOC of PBTD. RDMO WL.
3. MIRU PU. MI ±10 jts of inspected and press tstd yellow band 2-3/8" tbg. Check and record tubing, casing and bradenhead pressures. Record production & pit tank gauges, if possible.
4. Blow down well and kill w/2% KCl wtr if necessary.
5. ND WH. NU and pressure test BOP's.
6. TOH & LD 1-1/4" siphon string tbg. Return 1-1/4" tbg to CTOC yard for inventory & inspection. Notify Larry Babcock that tbg has come from the Chacra reservoir. **DO NOT LD 1-1/4" TBG IF CO IS REQUIRED.**



Cross Timbers Operating Company

7. TOH w/2-3/8" tbg. Switch to slip grip elevators if required. The seal assy was set w/4,000# compression. Tally & inspect tbg while TOH. LD seal assy & "F" nipple. Double check OD of tbg collars below seal assy.
8. Replace bad tbg as needed. Replace blast jts w/regular tbg as needed. Replace seal assy w/1 jt 2-3/8" tbg w/special clearance collars. Return bad 2-3/8" tbg to CTOC yard. Notify Larry Babcock that bad tbg is being returned from the Mesaverde side of the well.
9. If CO is required, MIRU air/foam unit. TIH w/50 jts (1,550') 1-1/4" tbg, XO & 2-3/8" tbg back to surface. CO sd fill w/air/foam to PBDT (4,710').
10. Circ on bottom for a minimum of 1 hr. RDMO air/foam unit.
11. TOH. Stand back 2-3/8" tbg. LD all 1-1/4" tbg and return to CTOC yard as described in step 6.
12. TIH w/mule shoe collar, SN & ±143 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg. Re-run the same jts of tbg that were below the seal assy. Check collar clearance while TIH. Replace collars as required. Re-run blast jts if possible. Land end of mule shoe @ 4,416' KB (MV mid-perf). Land blast jts across fr/Chacra perfs.
13. ND BOP. NU WH. RU swab. Swab well to pit. Gauge production. Once well can produce & stay unloaded, RWTP dwn sales. Sell gas through MV separator & mtr run (mtr #95736). Notify Vern Thomas that RTU & mtr will be used for both MV & Chacra production. Adjust orifice plate accordingly.
14. RDMO PU. RU S^U if necessary.
15. Notify Vern Thomas & EPFS that the Chacra mtr run (mtr #95719) & RTU (#1614) can be removed and returned to CTOC for salvage. Remove and return Chacra production equipment (if any) to CTOC yard for salvage.

Approvals: _____

BOLACK "C" LS #14A WELLBORE DIAGRAM

KB: 6.138'
GL: 6.127'
CORR: 11'

12-1/4" HOLE
9-5/8", 36.0#, K-55, STC CSG @ 330'.
CMTD W/250 SX CLASS B W/2% CACL2
& 1/4# CELLOFLAKE. CIRC 2 BBLs OF
CMT TO SURF.

1-1/4" SS @ 3,197'
DV TOOL @ 1,439'
CHACRA PERFS FR/3,074'-83' &
3,199'-3,202' (2 JSPF, 24
HOLES).

8-3/4" HOLE
BAKER "MODEL
D" PRODUCTION
PKR @ 3,250'
TOL @ 3,259'
7", 23.0#, K-55, STC CSG @ 3,394'. DV
TOOL @ 1,439'. CMTD 1ST STG W/163
SX 65/35/6 W/2% CACL2 & 1/4#
CELLOFLAKE FOLLOWED BY 100 SX CL
B W/2% CACL2 & 1/4# CELLOFLAKE.
CMTD 2ND STG W/205 SX 65/35/6 W/2%
CACL2 & 1/4# CELLOFLAKE FOLLOWED
BY 50 SX CL B W/2% CACL2 & 1/4#
CELLOFLAKE. 1ST STG TOC JUST
BELOW DV TOOL. CIRC 8 BBLs CMT TO
SURFACE ON 2ND STG.

6-1/4" HOLE
2-3/8" LS
EOT @ 4,657'
UNABLE TO CO
PAST 4,710'.
JUNK IN HOLE
MV FR/4,131'-45', 4,380'-92', 4,397'-4,413',
4,425'-40', 4,443'-60', 4,468'-76', 4,485'-88',
4,498'-4,508', 4,516'-25', 4,665'-74' & 4,692'-
4,701' (1 JSPF, 122 HOLES).

PBTD 4,756' (DRILLERS)
TD @ 4,806' (DRILLERS)
TD @ 4,807' (LOGGERS)
4-1/2", 10.5#, K-55, STC LINER @ 4,803'. TOL @
3,259'. CMTD W/100 SKS 65/35/6 W/0.6% HALAD-
9 FOLLOWED BY 100 SX CL B W/0.6% HALAD-9
CIRC ONLY PREFLUSH (NO CMT) OFF OF LINER
TOP.

DATA

LOCATION: 2,130' FSL & 980' FEL, UNIT 1, SEC 30, T-27-N, R-8-W
COUNTY/STATE: SAN JUAN COUNTY, NM
FIELD: BLANCO MESAVERDE / OTERO CHACRA
FORMATION: MESAVERDE / CHACRA
NIM LEASE#: SF-079232 API#: 30-045-26553 CTOC WELL#: 70095 & 70096
SPUD DATE: 10/21/85 COMPLETION DATE: 12/16/85
IP: (MV) 1,972 MCFPD, 3/4" CK, 3 HRS.
(CH) 1,835 MCFPD, 3/4" CK, 3 HRS.
PRODUCTION METHOD: FLWG GAS WELL
TUBING STRING: (LS) 144 JTS (TTL) 2-3/8", 4.7", J-55, EUE, 8RD TBG, RUBBER BLAST JTS (ACROSS
FR/CHACRA PERFS), BAKER "MODEL D" PRODUCTION PKR, SEAL ASSY, "F"
NIPPLE (1 JT UP FR/EOT) & MULE SHOE. EOT @ 4,657'. PKR @ 3,250'.
(SS) 96 JTS 1-1/4", 2.4#, J-55, EUE, 10RD TBG, SN, 1 JT 1-1/4" TBG & OP PERF
SUB. LANDED @ 3,197'.
PERFS: MESAVERDE (POINT LOOKOUT) PERFS FR/4,131'-45', 4,380'-92', 4,397'-4,413', 4,425'-40',
4,443'-60', 4,468'-76', 4,485'-88', 4,498'-4,508', 4,516'-25', 4,665'-74' & 4,692'-4,701' (1 JSPF, 122
HOLES).
CHACRA PERFS FR/3,074'-83' & 3,199'-3,202' (2 JSPF, 24 HOLES).

HISTORY

10/21/85 SPURRED 12-1/4" HOLE WITH FOUR CORNERS RIG #8. RUN 7 JTS 9-5/8", 36.0# K-55, STC
CSG TO 330' KB. CMTD W/250 SX CLASS "B" W/2% CACL2 & 1/4# CELLOFLAKE. CIRC 2
BBLs CMT TO SURF.
10/25/85 REACH TD OF 8-3/4" INTERMEDIATE HOLE @ 3,430'. RU GEARHART. RUN DLL/GR
FR/3,430'-310'. RUN CDL/CNL/CAL/GR FR/3,420'-310'.
10/26/85 RUN 83 JTS 7", 23.0#, K-55, STC CSG TO 3,437'. DV TOOL @ 1,439'. CMTD 1ST STG W/163
SX 65/35/6 W/2% CACL2 & 1/4# CELLOFLAKE FOLLOWED BY 100 SX CLASS "B" W/2% CACL2
& 1/4# CELLOFLAKE. CMTD 2ND STG W/205 SX 65/35/6 W/2% CACL2 & 1/4# CELLOFLAKE
FOLLOWED BY 50 SX CLASS "B" W/2% CACL2 & 1/4# CELLOFLAKE. 1ST STG TOC JUST
BELOW DV TOOL (CIRC ONLY SPACER OFF DV TOOL). CIRC 8 BBLs CMT TO SURF ON 2ND
STG.
10/27/85 REACH TD @ 4,806' (DRILLERS). RU GEARHART. RUN DIU/GR FR/4,807' (LOGGERS TD)-
3,430'. RUN CDL/CAL/GR FR/4,807'-3,430'.
10/28/85 RUN 36 JTS 4-1/2", 10.5#, K-55, STC LINER FR/3,259'-4,803'. CMTD W/100 SX 65/35/6 W/0.6%
HALAD-9 FOLLOWED BY 100 SX CLASS "B" W/0.6% HALAD-9. CIRC 10 BBLs OF PREFLUSH
OFF TOL (NO CMT).
12/03/85 MIRU PU. RIH W/BIT & TBG. DO CMT FR/4,656'-4,756' (PBTD).
12/04/85 PT CSG TO 3,500 PSIG. HELD OK. ROLL HOLE W/1% KCL WTR. SPOT 500 GALS 7-1/2% DI
HCL ACID FR/4,701'-3,963'. TOH W/TBG & BIT. RIH W/GR & CCL FR/PBTD-4,000' & 3,300'.
2,950'. RIH W/PERF GUN AND PERF'D THE MV FR/4,131'-45', 4,380'-92', 4,397'-4,413', 4,425'-
40', 4,443'-60', 4,468'-76', 4,485'-88', 4,498'-4,508', 4,516'-25', 4,665'-74' & 4,692'-4,701' (1 JSPF,
122 HOLES). BD PERFS W/1% KCL WTR @ 2,150 PSIG. EIR @ 58 BPM & 1,800 PSIG. SD.
ISIP 800 PSIG. A. MV DWN CSG W/2,500 GALS 15% WEIGHTED HCL ACID & 183 BS. AIR 40
BPM. ATP 800 PSIG. FAIR BA. RIH WML JUNK BASKET & REC 181 BS. F. MV W/201,500
GALS SLICKWTR & 244,000# 20/40 MESH SD. AIR 95 BPM. ATP 2,800 PSIG. MAX TP 3,500
PSIG. ISIP 1,200 PSIG.

BOLACK "C" LS #14A **WELLBORE DIAGRAM**

12/05/85 TIH W/2-3/8" TBG. CO SD FILL FR/3,836'-4,756'. PU TBG. LANDED TBG 4,441'. KO WELL FLWG TO PIT W/N2.

12/06/85 WELL DEAD. TIH & TAG FOR FILL. NO FILL. TOH. RU WL. RIH W/WL SET 7" MODEL "D" PKR. SET PKR (W/EXPENDABLE CHECK) @ 3,250'. TIH W/TBG. SPOT 500 GALS 7-1/2% DI HCL ACID FR/3,202-2,899'. TOH. RIH W/PERF GUN & PERF'D CHACRA FR/3,074'-83' & 3,199'-3,202' (2 JSPF, 24 HOLES). TIH W/7" PKR & TBG. SET PKR @ 2,950'. BD CHACRA PERF W/2% KCL WTR @ 1,200 PSIG. EIR @ 7 BPM & 2,600 PSIG. SD. ISIP 1,000 PSIG. A. CHACRA W/1,000 GALS 15% WEIGHTED HCL ACID & 36 BS. AIR 6 BPM. ATP 2,100 PSIG. GOOD BA. ISIP 1,000 PSIG. REL PKR & TIH. KNOCKED BALLS LOOSE. TOH. F. CHACRA DWN CSG W/53,000 GALS 70Q N2 FOAM & 96,000# 20/40 MESH SD. AIR 25 BPM (FOAM). ATP 2,000 PSIG. ISIP 1,950 PSIG. 15" SIP 1,950 PSIG. SI FOR 2 HRS. OWU THROUGH 1/2" BULL PLUG.

12/08/85 RIH W/TBG & CO TO MODEL "D" PKR.

12/10/85 CO SD FILL ON MODEL "D". KNOCKED OUT EXP CHECK. TIH TO 4,597'. TAGGED SD FILL @ 4,597'. TOH. LD BHA. TIH W/48 JTS 1-1/4" TBG & 2-3/8" TBG. CO SD FILL FR/4,597'-4,680'. STACKED OUT @ 4,680'.

12/11/85 TOH W/2-3/8" TBG & 1-1/4" TBG. TIH W/3-1/8" MILL. 58 JTS 1.90" DP & 2-3/8" TBG. TAGGED SD FILL @ 4,665'. CO SD FILL FR/4,665'-4,680'. TAGGED JUNK(?).

12/12/85 MILLED FR/4,680'-4,710'. UNABLE TO MILL PAST 4,710'. TOH.

12/13/85 TIH W/144 JTS (TTL) 2-3/8", 4.7", J-55, EUE, 8RD TBG, RUBBER BLAST JTS (ACROSS FR/CHACRA PERFS), SEAL ASSY. "F" NIPPLE (1 JT FROM EOT) & MULE SHOE. LANDED EOT @ 4,657' KB. SET SEAL ASSY W/4,000# COMPRESSION.

12/17/85 TIH W/1-1/4" OP PERF SUB. 1 JT 1-1/4", 2.4#, J-55, EUE, 10RD TBG, SN & 96 JTS 1-1/4", 2.4#, J-55, EUE, 10RD TBG. LANDED EOT @ 3,197' KB. RDMO PU.

01/02/86 TSTD MV @ 1,972 MCFPD, 3 HRS, 1/2" CK. TSTD CHACRA @ 1,835 MCFPD, 3 HRS, 1/2" CK.

03/12/86 FIRST DELIVERY OF GAS TO SALES.

10/23/86 ONE REPORT IN WELL FILE INDICATES WELL WENT ON COMPRESSION. UNABLE TO VERIFY.

01/01/98 CTOC ASSUMED OPERATIONS.