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Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 08 2010

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010Bureau of Land Management
Farmington Field OfficeRelease Serial No.
14-13-603-2168A
7360041910

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 page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO ENERGY INC.

3a. Address

382 CR 3100 AZTEC, NM 87410

3b. Phone No. (include area code)

505-333-3100

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

1980' FSL & 1980' FWL NESW SEC. 27 (K) - T29N-R14W N.M.P.M.

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBE

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

8. Well Name and No.

NW CHA CHA UNIT #50

9. API Well No.

30-045-07837

10. Field and Pool, or Exploratory Area

CHA CHA GALLUP

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 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 approximate 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.)

XTO Energy Inc., intends to plug and abandon this well per the attached procedure.

Please see also the attached current and proposed well bore diagrams.

RCVD FEB 12 '10
OIL CONS. DIV.

DIST. 3

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

TEENA M. WHITING

Title REGULATORY COMPLIANCE TECHNICIAN

Signature

Teena M. Whiting

Date 2/5/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

FEB 10 2010

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.

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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

NW CHA CHA UNIT #50
Cha Cha Gallup / API 30-045-07837
1,980' FSL & 1,980' FWL, Section 27, T 29 N, R 14 W
San Juan County, New Mexico

Plug and Abandonment Procedure

AFE #: 100651
Surface Casing: 9-5/8", 36#, J-55 @ 173'. Cmt 150 sx. Circ cmt to surf.
Production Casing: 5-1/2", 15.5# J-55 @ 5,364'. Cmt 200 sx. Did not circ cmt to surf. TOC @ 3,980' (TS 07/08/60)
PBTD: 5,315'
Tubing: 2-3/8" x 30' OEMA w/1/4" weep hole & pin, SN, 3 jts 2-3/8" tbg, Baker 5-1/2" TAC (TAC is not set), 159 jts 2-3/8" tbg. SN @ 5,030', EOT @ 5,060'
Rods and Pump: None
Perforations: Gallup: 5,238' – 5,250' (48 Holes)

** Please notify BLM, NMOCD, and the Navajo Nation 48 hours prior to beginning operations.*

- 1) Clamp off rods. Remove pumping unit and pad.
- 2) MIRU PU
- 3) ND WH. NU BOP.
- 4) PT tubing to 500 psig. TOH & tally 2-3/8" tubing. LD OEMA & Baker 5-1/2" TAC.
- 5) TIH 5-1/2" casing scraper on 2-3/8" tubing to 5,200'. TOH.
- 6) TIH 5-1/2" CIBP on 2-3/8" tubing. Set CIBP @ 5,170'.
- 7) MIRU cement truck.
- 8) Load casing with water. PT casing to 500 psig for 30 minutes with chart. If casing does not test, tag and spot subsequent plugs as appropriate.
- 9) Pump 10 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 2-3/8" tubing from 5,120' – 5,170'. (Cement volume calculated with 50% excess.)
- 10) Pump 17 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 2-3/8" tubing from 4,830' – 4,930'. (Cement volume calculated with 50% excess.)
- 11) RD cement truck. TOH.
- 12) MIRU WL. RIH with 3-1/8" perf gun. Perf 4 squeeze holes @ ~~2,772'~~ ^{2,151'} with HSC-3125-332 charges (4 SPF, 11 gram, 120° phasing) or equivalent. POH. RD WL.

- 13) TIH 5-1/2" CICR on 2-3/8" tubing. Set CICR @ ~~2,722'~~.
- 14) RU cement truck. BD squeeze holes with water @ 2 BPM.
- 15) Pump 39 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 2-3/8" tubing from ~~2,722'~~ - ~~2,772'~~ (inside casing) and ~~2,672' - 2,772'~~ (outside casing). (Behind pipe cement volume calculated with 100% excess, inside casing volume calculated with 50% excess.)
- 16) Sting out of CICR. Pump 10 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 2-3/8" tubing from ~~2,672' - 2,722'~~. (Cement volume calculated with 50% excess.)
2,150 2,51
- 17) RD cement truck. TOH.
- 18) RU WL. RIH 3-1/8" perf gun. Perf 4 squeeze holes @ 1,195' with HSC-3125-332 charges (4 SPF, 11 gram, 120° phasing) or equivalent. POH. RD WL.
- 19) TIH 5-1/2" CICR on 2-3/8" tubing. Set CICR @ 1,145'.
- 20) RU cement truck. BD squeeze holes with water @ 2 BPM. Establish circulation out bradenhead.
- 21) Pump 360 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 2-3/8" tubing from 1,145' - 1,195' (inside casing) and surface - 1,195' (outside casing). (Behind pipe cement volume calculated with 100% excess, inside casing volume calculated with 50% excess.)
- 22) Sting out of CICR. Pump 10 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 2-3/8" tubing from 1,095' - 1,145'. (Cement volume calculated with 50% excess.)
- 23) RD cement truck.

If cement circulates to surface in step 21, continue with step 24. Otherwise, skip to step 26.

- 24) Pump 17 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 2-3/8" tubing from ~~340'~~ - **820-720** ~~440'~~. (Cement volume calculated with 50% excess.)
- 25) Pump 42 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 2-3/8" tubing from surface - 248'. (Cement volume calculated with 50% excess.)

If step 25 is completed successfully, skip to step 36.

- 26) TOH. RU WL. RIH 3-1/8" perf gun. Perf 4 squeeze holes @ ~~390'~~ **720** with HSC-3125-332 charges (4 SPF, 11 gram, 120° phasing) or equivalent. POH. RDMO WL.
- 27) TIH 5-1/2" CICR on 2-3/8" tubing. Set CICR @ ~~390'~~ **770**
- 28) RU cement truck. BD squeeze holes with water @ 2 BPM. Establish circulation out bradenhead.
- 29) Pump 158 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 2-3/8" tubing from ~~390'~~ - **720** ~~440'~~ (inside casing) and surface - ~~440'~~ (outside casing). (Behind pipe cement volume calculated with 100% excess, inside casing volume calculated with 50% excess.)

- 30) Sting out of CICR. Pump 10 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 2-3/8" tubing from ~~340' - 390'~~ ^{770' 825'}. (Cement volume calculated with 50% excess.)

- 31) RD cement truck.

If cement circulates to surface in step 29, continue with step 32. Otherwise, skip to step 33.

- 32) Pump 42 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 2-3/8" tubing from surface - 248'. (Cement volume calculated with 50% excess.)

If step 32 is completed successfully, skip to step 36.

- 33) TOH. RU WL. RIH 3-1/8" perf gun. Perf 4 squeeze holes @ 248' with HSC-3125-332 charges (4 SPF, 11 gram, 120° phasing) or equivalent. POH. RDMO WL.
- 34) RU cement truck. Pump water down casing @ 3 BPM. EIR into squeeze holes. Establish circulation out bradenhead.
- 35) Pump 115 sx Class "G" cement (15.6 ppg, 1.18 cuft/sk) down 5-1/2" casing from surface to 248', inside and outside casing. Circulate out bradenhead. (Behind pipe cement volume calculated with 100% excess, inside casing volume calculated with 50% excess.)
- 36) SWI. RDMO cement truck. RDMO PU.
- 37) Cut off WH. Fill in casing and annulus with cement as needed. Install P&A marker that complies with all regulations.
- 38) Cut off anchors and reclaim location.

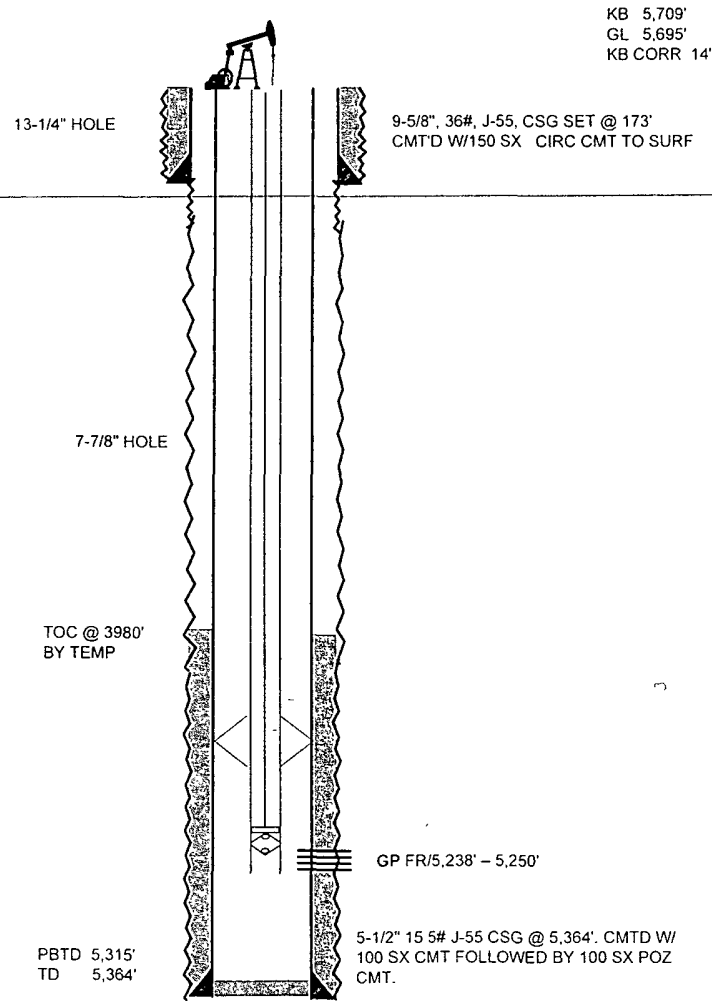
Regulatory:

- 1) C-144 Form
- 2) NOI for P&A on form C-103
- 3) Submit a post-work sundry on form C-103 which details the P&A work and location work within 30 days of completing all required restoration work.

Equipment

- 1) Flowback tank
- 2) Wireline truck
- 3) Cement truck
- 4) 1 - 5-1/2" casing scraper
- 5) 1 - 5-1/2" CIBP
- 6) 3 - 5-1/2" CICR
- 7) 3-1/8" Perforating gun
- 8) Cement truck
- 9) 505 sx cl "G" cmt (*assuming circulation in step 20*)
- 10) P&A marker

NW Cha Cha Unit # 50 WELLBORE DIAGRAM



DATA

LOCATION 1,980' FSL & 1,980' FWL, UNIT K, SEC 27, T29N, R14W
COUNTY/STATE: SAN JUAN, NEW MEXICO
FIELD: CHA CHA GALLUP
FORMATION: GALLUP
API#: 30-045-07837 **XTO WELL #:** 77528
SPUD DATE: 06/22/60 **COMPLETION DATE:**
IP: F-400-BQ, F-0-BW, 477-MCF, 20/64-CK, 24-HR-TST.
PERF: GP FR/5,238' - 5,250'
TUBING STRING: 2-3/8" X 30' OEMA W/1/4" WEEPHOLE & STOP PIN, SN, SV, 3 JTS 2-3/8" TBG, 5-1/2" BAKER TAC, 159 JTS 2-3/8" 4 7#, J-55, 8RD, EUE TBG W/SHC & 2-3/8" X 10' TBG SUB
RODS & PMP: PMP, 136 - 3/4" RODS, 66 - 7/8" RODS & RODS SUBS
PROD METHOD: PPG UNIT

HISTORY

06/22/60: SPUD 13-1/4" HOLE. TD HOLE @ 175'. RAN 9-5/8" 36# J-55 CSG & SET @ 173' CMT'D W/150 SX CMT. CIRC CMT TO SURF.
07/08/60: TD 7-7/8" HOLE @ 5,364'. RUN 128 JTS 5-1/2" 15.5# J-55 CSG @ 5,364' CMT'D W/100 SX CMT FOLLOWED BY 100 SX POZ CMT TOC @ 3980' BY TEMP SURVEY.
07/14/60: CO CMT TO 5,315' PERF GP FR/5,238' - 5,250' W/4 JSPF. FRAC GP W/12,400 GALS LEASE CRUDE CARRYING 12,400# SD. WELL SCREENED OUT. REFRAC GP W/50,820 GALS LEASE CRUDE CARRYING 42,000# SD. ATP 2,050 PSIG.
07/15/60: TIH W/167 JTS 2-3/8" TBG, PERF NIP & BAKER EOT PKR PERF NIP @ 5,254'. PKR @ 5,156'.
04/20/73: TOH W/88 - 7/8" RODS & 101 - 3/4" RODS. RODS HAD PARTED TOH W/150 JTS TBG & TBG PMP.
04/21/73: TIH W/MA, PERF SUB, 1-3/4" CHROME BBL, SN, 1 JT TBG, ANCHOR & 163 JTS 2-3/8" TBG TIH W/5' 1-3/4" PLUNGER, 119 - 3/4" RODS & 88 - 7/8" RODS.
07/12/73: TOH W/RODS & PLUNGER. LD 60 BAD RODS TOH W/TBG & PMP BBL. LD ALL JTS OF TBG BC OF THIN WALLS & CORR. TIH W/MA, PERF SUB, PMP BBL, 1 JT TBG, ANCHOR & 166 JTS TBG. EOT @ 5,256'. TIH W/5' 1-3/4" PLUNGER, 127 - 3/4" RODS, 84 - 7/8" RODS & ROD SUBS
09/30/76: TOH W/RODS TOH W/TBG
10/01/76: TIH W/MA, PERF SUB, PMP BBL, 1 JT TBG, ANCHOR & 166 JTS TBG. PT TBG TO 5,000 PSIG TST OK. PPD 1,000 GALS A. SWB WELL.
10/02/76: TIH W/RODS.
05/04/79: RODS STUCK HOT OILED RODS STILL STUCK TOH W/TBG

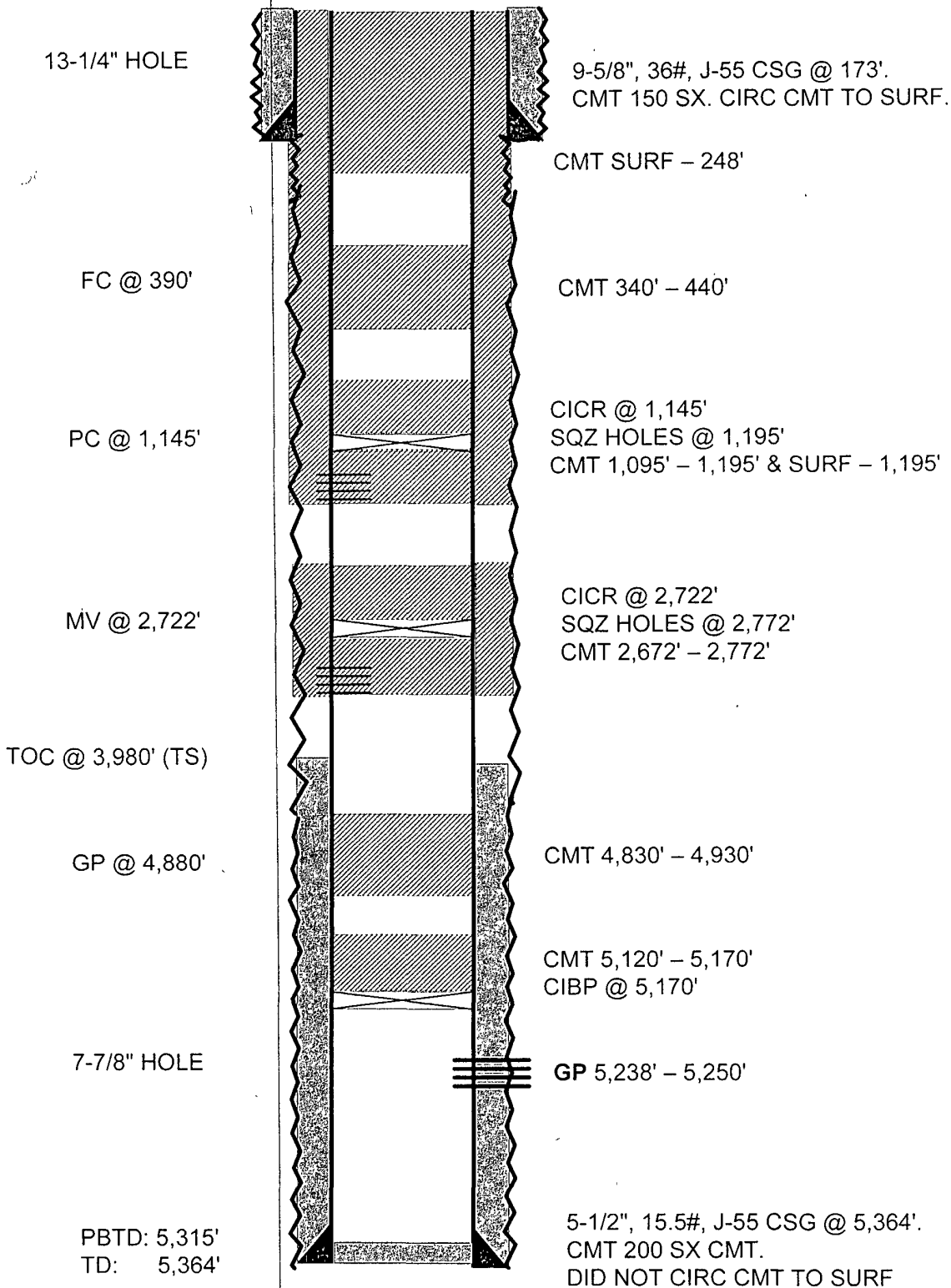
NW Cha Cha Unit # 50 WELLBORE DIAGRAM

05/05/79: TIH W/TBG. PT TBG IN HOLE. TSTD OK TIH W/PMP & RODS.
06/16/79: TOH W/RODS & PMP. TOH W/TBG. TIH W/TBG. TIH W/RODS
11/28/79: TOH W/RODS & PMP. RODS PARTED AT 12TH ROD FS. HOT OILED
 DWN BACKSIDE TOH W/TBG. TBG HAD PARRAFIN AND CORR. TIH
 W/TBG. TIH W/1-1/2" INSERT PMP.
02/04/81: TOH W/RODS & PMP. TBG WAS PARTED 56 JTS DWN TIH & FISH
 TBG. TOH W/TBG
02/05/81: TIH W/16 JTS TBG. HOT OIL TBG. TOH W/TBG. TIH W/49 STANDS
 TBG. TIH W/31 STAND RODS & PMP.
02/06/81: TIH W/31 STANDS RODS.
02/21/81: TOH W/RODS & PMP. TOH W/TBG. TBG PARTED 48 JTS FS. TIH
 W/OVERSHOT. TOH W/TBG
02/23/81: TOH & LD 80 JTS BAD TBG. TIH W/167 JTS TBG. HYDRO TST 167 JTS
 IN HOLE. TIH W/RODS & PMP.
07/23/81: TOH W/RODS & PMP. HOT OIL WELL. TOH W/TBG. TIH W/TBG.
07/24/81: HYRO TST TBG. HOT OILED DWN TBG. TIH W/RODS & PMP.
10/22/82: TOH W/RODS & PMP. PULL ROD STUCK. TIH W/128 - 3/4" RODS, 78 -
 7/8" RODS & PMP.
07/27/94: TOH W/RODS & PMP. TOH W/TBG. HIT IN JT 162 TIH W/168 JTS TBG
 TIH W/2" X 1-1/2" X 16", 116 - 3/4" RODS & 87 - 7/8" RODS
09/29/94: TOH W/RODS & PMP
10/12/01: TOH W/208 - 3/4" RODS & PMP. TIH W/2" X 1-1/2" X 18" RWAC PMP &
 208 - 3/4"
03/20/03: TOH W/RODS & PMP. TOH W/TBG & BHA
03/21/03: TST TBG. FOUND 1 HIT. TIH W/1 JT TBG, 4' PERF SUB, SN, 2 JTS TBG,
 TBG ANCHOR & 165 JTS TBG. TIH W/RODS & PMP.
09/30/03: TOH W/66 - 7/8" RODS, 142 - 3/4" RODS & PMP. PT TBG. TBG WOULD
 NOT PT.
10/01/03: TOH W/TBG. FOUND HIT @ 145 JT. TIH W/MA, PERF SUB, SN & 167
 JTS TBG
10/02/03: TIH W/RODS & PMP
05/05/04: HOT OIL RODS. TOH W/SOME RODS.
05/06/04: TOH W/RODS & PMP. PT TBG.
05/07/04: TOH TBG. HIT IN 115 JT. TIH W/TBG. TIH W/PMP, 136 - 3/4" RODS, 66
 - 7/8" RODS & RODS SUBS.
05/01/07: XTO ENERGY ASSUMED OPERATIONS
07/07/09: PPD 12 1 BBLs 2% KCL WTR DWN TBG TO LOAD. TBG ON VAC
 WOULD NOT LOAD.
08/20/09: MIRU PU. FOUND RODS W/HVY PARAFFIN. MIRU HOT OIL TRK. PPD
 DWN 2-3/8" TBG W/80 BBLs 2% KCL HTD TO 270 DEG. RDMO HOT OIL
 TRK. TOH 1-1/4" X 22' PR W/10' LNR, 7/8" X 4' ROD SUB, 65 - 7/8"
 RODS, 142 - 3/4" RODS, 7/8" X 4' STABILIZER BAR, 1" X 1' LS, SPIRAL
 ROD GUIDE & 2" X 1-1/2" X 16" RWAC-Z (DV) CDI PMP W/1" X 1' STRNR
 NIP (NO SN). TIH 1 JT 2-3/8" TBG. TGD @ 5,268' (47' FILL). GALLUP
 PERFS FR/5,238' - 5,250'. TOH & LD 1 JT 2-3/8" TBG. PPD 20 BBLs 2%

KCL DWN 2-3/8" TBG. ATT TO LD & PT TBG W/20 BBLs 2% KCL. TBG
 ON VAC. TOH 2-3/8" X 10' TBG SUB, 164 JTS 2-3/8" 4.7#, J-55, 8RD,
 EUE TBG W/SLC, 5-1/2" BAKER TAC, 3 JTS 2-3/8" TBG, SN, 2-3/8" X 4'
 PERF SUB, 1 JT 2-3/8" TBG & BP. FOUND HIT IN JT # 124 @ 3,842' FS
 (ROD WEAR. TIH 2-3/8" X 30' OEMA W/1/4" WEEPHOLE & STOP PIN,
 SN, SV, 3 JTS 2-3/8" TBG, 5-1/2" BAKER TAC, 164 JTS 2-3/8" 4.7#, J-55,
 8RD, EUE TBG W/SLIM HOLE COLLARS & 2-3/8" X 10' TBG SUB. LD &
 PT TBG TO 2,500 PSIG W/18 BBLs 2% KCL. TSTD OK. EOT @ 5,249'.
08/21/09: BFL @ SURF. S. 0 BO, 19 BLW, 3 RUNS, 1.5 HRS. FFL 1,300' FS. BLK
 FLD SMPL W/NO SOLIDS. RIH & FISH SV W/SD LN. SET TAC @ 5,123'.
 SN @ 5,219' W/EOT @ 5,249'. BFL @ 1,300'. S. 0 BO, 22 BLW, 4 RUNS,
 2 HRS. FFL 1,700' FS. BLK FLD SMPL W/NO SOLIDS. TIH 2" X 1-1/2" X
 16" RWAC-Z (DV) CDI PMP W/1" X 1' STRNR NIP (XTO #166), SPIRAL
 ROD GUIDE, 1" X 1' LS, 7/8" X 4' STABILIZER BAR, 142' - 3/4" RODS, 65 -
 7/8" RODS, 7/8" X 4' ROD SUB & 1-1/4" X 22' PR W/10' LNR. LS PMP TO
 500 PSIG. TSTD OK. GD PA. RDMO PU. RWTP. PPG @ 77" X 10 SPM.
09/23/09: MIRU PU. TOH RODS & PMP. FOUND PMP B&S PLGD W/FIBER &
 ASPHALTINES. TIH 1 JT 2-3/8" TBG. TGD @ 5,264' (51' FILL). GALLUP
 PERFS FR/5,238' - 5,250'. TOH & LD 1 JT 2-3/8" TBG. PPD 10 BBLs 2%
 KCL DWN 2-3/8" TBG. LD & PT TBG W/2 BBLs 2% KCL. TSTD OK. BFL
 @ 1,300'. S. 0 BO, 22 BLW, 4 RUNS, 2 HRS. FFL 1,600' FS. BLK FLD
 SMPL W/NO SOLIDS. TOH TBG.
09/24/09: TIH 4-3/4" CONE BIT, 5-1/2" CSG SCR, XO 1 JT 2-3/8" TBG, STRNG FLT
 & 45 JTS 2-3/8" TBG. MIRU HIGH TECH 1,600 SCFM AFU. BRK CIRC @
 1,500'. STG IN HOLE 120 JTS 2-3/8" TBG. TGD @ 5,264' (51' FILL). NO TI
 SPOTS. ATT TO CIRC TCA W/NO RESULTS. TBG PRESS UP TO 1,900
 PSIG. ATT TO PMP DWN TBG W/RIG PMP W/19 BBLs 2% KCL W/NO
 RESULTS. TBG PRESS UP TO 2,000 PSIG. TOH TOH TBG & BHA.
 FOUND NO RESTRICTIONS. TIH 4-3/4" CONE BIT, XO, 1 JT 2-3/8" TBG,
 STRNG FLT & 64 JTS 2-3/8" TBG. BRK CIRC W/AFU. STG IN HOLE 99
 JTS 2-3/8" TBG. TGD @ 5,264' (51' FILL). CO FILL TO 5,288'. TGD HD
 ATT TO CO & DO W/NO RESULTS. CIRC CLN 2 HRS. REC HVY VOL
 CMT, FIBER & SD. USED 10 BLW W/AFU. RECD 3 BO, 370 BLW W/AFU,
 TOH & LD 2 JT 2-3/8" TBG. TOH 10 JTS 2-3/8" TBG
09/25/09: SITP 0 PSIG. SICP 50 PSIG. TIH 12 JTS 2-3/8" TBG. TGD @ 5,292' (23'
 FILL). GALLUP PERFS FR/5,238' - 5,250'. TOH 164 JTS 2-3/8" TBG,
 STRNG FLT, 1 JT 2-3/8" TBG, XO & 4-3/4" CONE BIT. TIH 2-3/8" X 30'
 OEMA W/1/4" WEEPHOLE & STOP PIN, SN, SV, 3 JTS 2-3/8" TBG, 5-
 1/2" BAKER TAC, 164 JTS 2-3/8" 4.7#, J-55, 8RD, EUE TBG W/SHC & 2-
 3/8" X 10' TBG SUB. TGD @ 5,244' (71' FILL). TOH & LD 5 JTS 2-3/8"
 TBG. ND BOP. NU WH. SN @ 5,060' W/EOT @ 5,090'. TIH 142 - 3/4"
 RODS & 65 - 7/8" RODS. TOH & LD 65 - 7/8" RODS & 142 - 3/4" RODS.
 SWI. RDMO PU. WO P&A PROCEDURE.

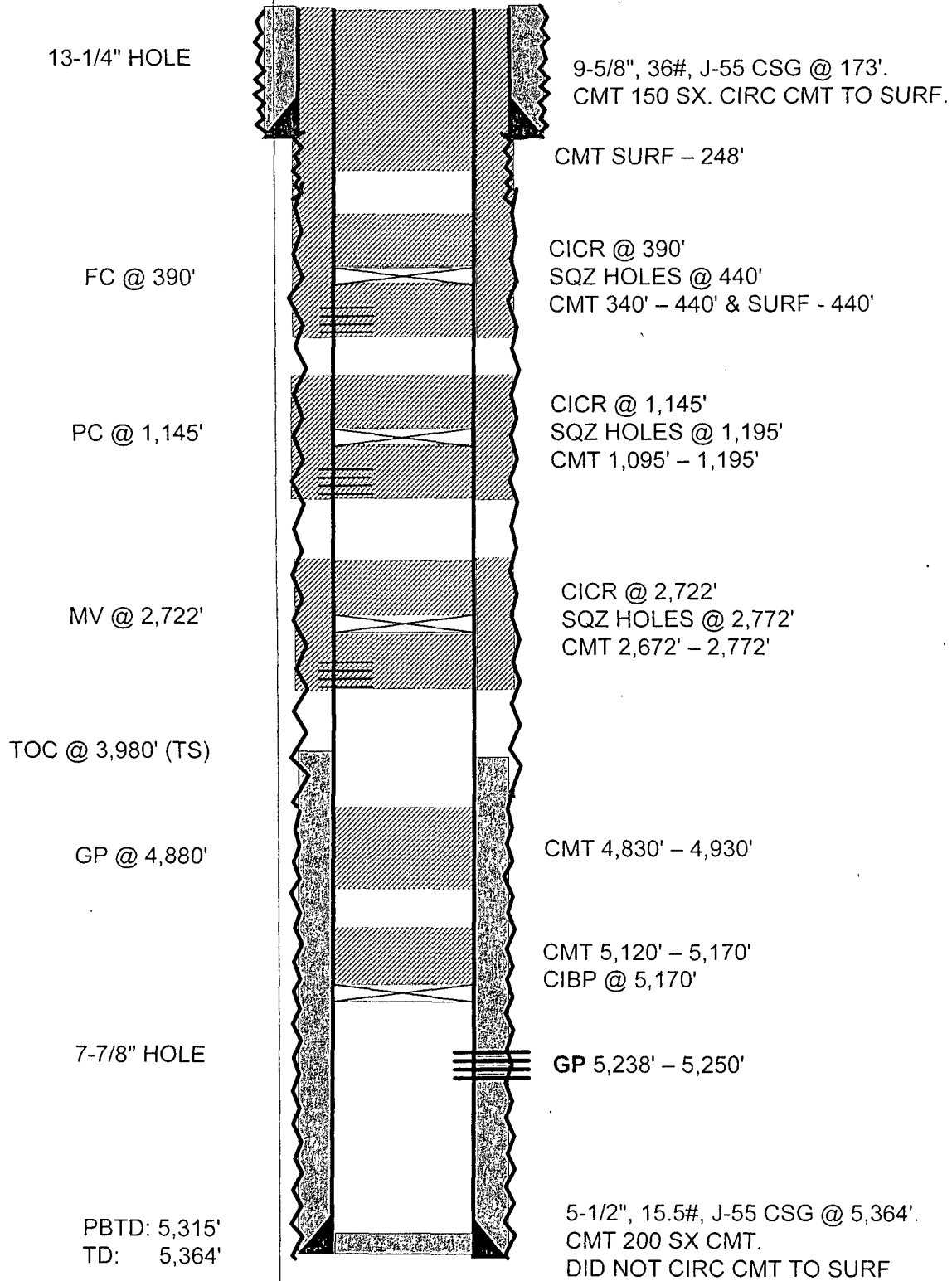
**NW CHA CHA #50
PROPOSED P&A
CASE 1**

KB: 5,709'
GL: 5,695'
CORR: 14'



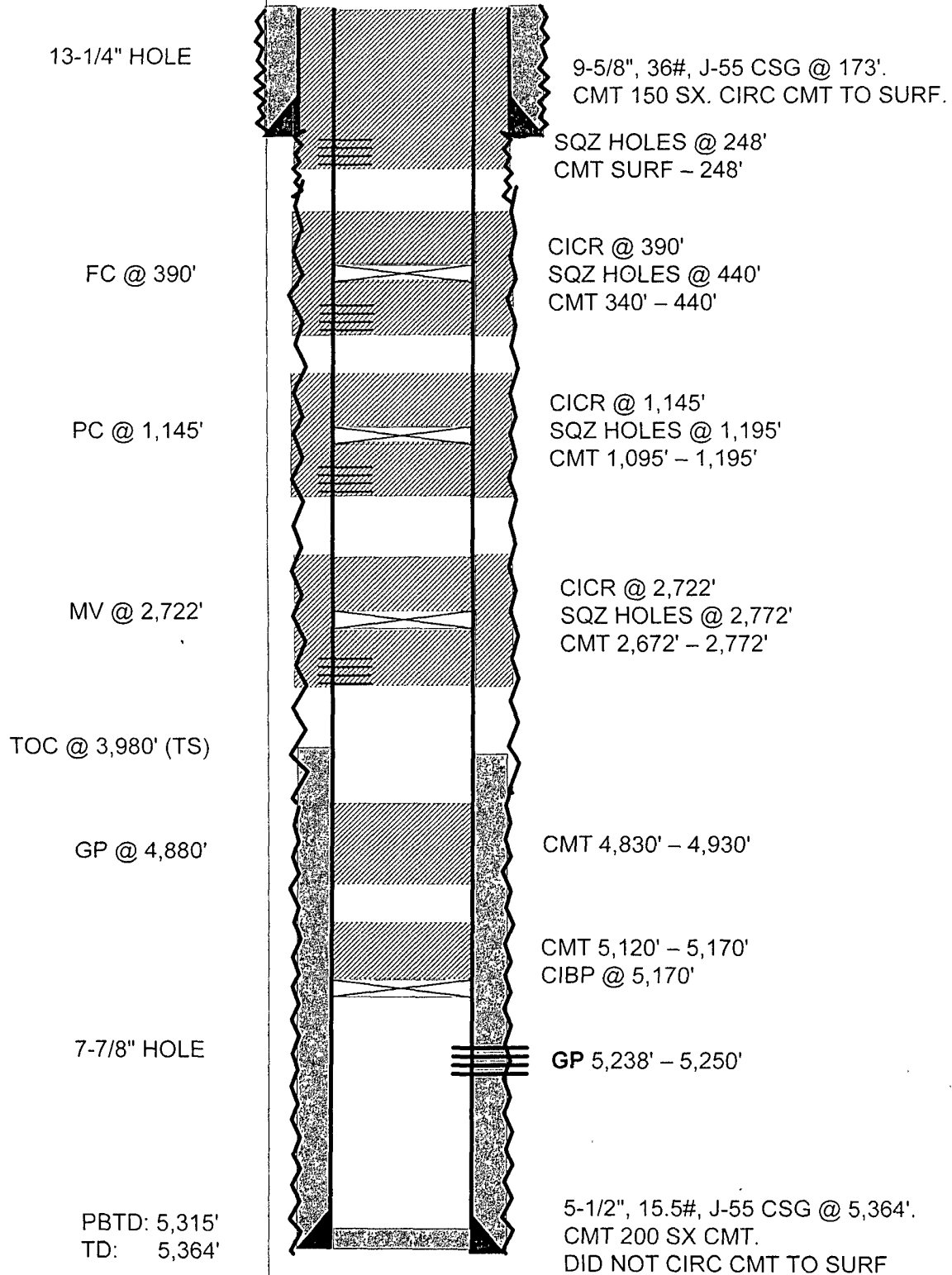
**NW CHA CHA #50
PROPOSED P&A
CASE 2**

KB: 5,709'
GL: 5,695'
CORR: 14'



**NW CHA CHA #50
PROPOSED P&A
CASE 3**

KB: 5,709'
GL: 5,695'
CORR: 14'



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 50 Northwest Cha Cha Unit

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
 - a) Place the Mesaverde (La Ventana) plug from 2151' – 2051' inside and outside the 5 ½" Casing.
 - b) Place the Fruitland plug from 820' – 720' inside and outside the 5 ½" Casing.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.