

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO 1004-0137  
Expires July 31, 2010

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

RECEIVED

MAY 11 2010

Bureau of Land Management  
Farmington Field Office

NAVAJO LAND

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

8 Well Name and No

NW CHA CHA UNIT #24

9 API Well No

30-045-07990

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

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off  
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity  
☐ Casing Repair ☐ New Construction ☐ Recomplete ☐ Other  
☐ 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 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.)

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

Please also see the attached current and proposed wellbore diagrams.

RCVD MAY 21 '10

OIL CONS. DIV.

DIST. 3

Notify NMOCD 24 hrs  
prior to beginning  
operations

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 5/10/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date MAY 18 2010

Office

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.

NMOCD 10 6/7

**NW CHA CHA UNIT #24**  
**Cha Cha Gallup / API 30-045-07990**  
**1,760' FSL & 835' FEL, Section 21, T 29 N, R 14 W**  
**San Juan County, New Mexico**

**Plug and Abandonment Procedure**

**Surface Casing:** 8-5/8", 22.7#, SJ @ 211'. Cmt 115 sx. Circ 5 sx cmt to surface.  
**Production Casing:** 5-1/2", 14.0#, J-55 @ 5,383'.  
Cmt 100 sx 6% gel cmt & 100 neat cmt. Did not circ.  
TOC @ 4,281' (assuming 1.2 cuft/sk yield & 75% efficiency)  
**PBTD:** 5,084' (CIBP)  
**Tubing:** None  
**Perforations:** Gallup: 5,145' – 5,153', 5,199'  
Csg leak: 3,200' – 3,218'. Sqzd w/367 sx cmt 12/08/94.

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

- 1) MIRU PU. Set flowback tank.
- 2) ND WH. NU BOP.
- 3) TIH with 5-1/2" casing scraper on 2-7/8" tubing to 5,084' (CIBP).
- 4) PT tubing to 1,000 psig.
- 5) Circulate TCA with water. Pressure test casing to 500 psig for 30 minutes with chart. If casing does not test, tag and spot subsequent plugs as appropriate. TOH.
- 6) MIRU WL. Run CBL from surface – 5,084' (CIBP).
- 7) TIH with 2-7/8" tubing.
- 8) MIRU cement equipment.
- 9) Pump 63 sx Class "B" cement (15.6 ppg, 1.18 cuft/sk) down 2-7/8" tubing from 4,730' – 5,084' (CIBP). (Cement volume calculated with 50% excess).  
*NOTE: Assumed sufficient cement coverage for this plug. If CBL indicates poor coverage, perforate and squeeze as required.*
- 10) *If CBL indicates sufficient cement coverage from 1,944' – 2,044':*  
Pump 18 sx Class "B" cement (15.6 ppg, 1.18 cuft/sk) down 2-7/8" tubing and spot balance plug from 1,944' – 2,044'. (Cement volume calculated with 50% excess.).

*If CBL does not indicate sufficient cement coverage from 1,944' – 2,044':*  
TOH with tubing. RIH with 3-1/8" perf gun and perforate 3 squeeze holes at 2,044'.  
TOH. TIH with 5-1/2" CIGR on 2-7/8" tubing and set at 1,994'. Pump 38 sx Class "B" cement (15.6 ppg, 1.18 cuft/sk) down 2-7/8" tubing. Sting-out of CIGR and pump 9 sx Class "B" cement (15.6 ppg, 1.18 cuft/sk) down 2-7/8" tubing. Cement will cover 1,944'

– 2,044' inside pipe and outside pipe. (Behind pipe cement volume calculated with 100% excess and inside pipe volume and inside pipe volume calculated with 50% excess.)

- 11) *If CBL indicates sufficient cement coverage from 610' – 1,072':*  
Pump 81 sx Class “B” cement (15.6 ppg, 1.18 cuft/sk) down 2-7/8" tubing and spot balance plug from 610' – 1,072'. (Cement volume calculated with 50% excess.).

*If CBL does not indicate sufficient cement coverage from 610' – 1,072':*  
TOH with tubing. RIH with 3-1/8" perf gun and perforate 3 squeeze holes at 1,072'. TOH. TIH with 5-1/2" CICR on 2-7/8" tubing and set at 1,022'. Pump 145 sx Class “B” cement (15.6 ppg, 1.18 cuft/sk) down 2-7/8" tubing. Sting out of CICR and pump 72 sx Class “B” cement (15.6 ppg, 1.18 cuft/sk) down 2-7/8" tubing. Cement will cover 610' – 1,072' inside pipe and outside pipe. (Behind pipe cement volume calculated with 100% excess and inside pipe volume and inside pipe volume calculated with 50% excess.)

- 12) *If CBL indicates sufficient cement coverage from surface – 261':*  
Pump 45 sx Class “B” cement (15.6 ppg, 1.18 cuft/sk) down 2-7/8" tubing and spot balance plug from surface – 261'. (Cement volume calculated with 50% excess.).

*If CBL does not indicate sufficient cement coverage from surface – 261':*  
TOH with tubing. RIH with 3-1/8" perf gun and perforate 3 squeeze holes at 261'. TOH. EIR down 5-1/2" casing with water and establish circulation out bradenhead. Pump 122 sx Class “B” cement (15.6 ppg, 1.18 cuft/sk) down 5-1/2" casing and circulate out bradenhead. Cement will cover surface – 261' inside pipe and outside pipe. (Behind pipe cement volume calculated with 100% excess and inside pipe volume and inside pipe volume calculated with 50% excess.)

- 13) ND BOP. Clean out BOP.
- 14) LD 2-7/8" tubing.
- 15) Cut off wellhead. Fill in with cement as needed. Install P&A marker that complies with all regulations.
- 16) RDMO PU.
- 17) Cut off anchors. 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) +/- 5,100' 2-7/8", 6.5#, EUE work string
- 3) 1 – 5-1/2" casing scraper
- 4) 2 – 5-1/2" CICR (set on 2-7/8" tubing)
- 5) Wireline truck
- 6) Cement equipment
- 7) 449 sx cl "B" cmt (assuming TOC at 4,281' and volumes calculated with 50% excess inside pipe and 100% excess outside pipe)
- 8) P&A marker

### XTO - Wellbore Diagram

**Well Name: NW Cha Cha Unit 24**

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State
30045079900000	835 0	FEL	1,760 0	FSL	T29N-R14W-S21	Cha Cha Gallup	San Juan	New Mexico
Well Configuration Type	XTO ID B	Ong KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	PBTD (All) (ftKB)	Total Depth (ftKB)	Method Of Production
Vertical	77514	5,598 00	5,586 00	12 00	7/20/1960	Original Hole - 5238.0	5,289 0	SWD

Well Config: Vertical - Original Hole, 5/7/2010 3:56:15 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zone	Top (ftKB)	Btm (ftKB)		
<p>5 1/2" CIBP, 5 100, 5,084-5,086</p> <p>Top (MD): 5,145, Des. Gallup</p> <p>PBTD, 5,238</p> <p>TD, 5,289</p>				Gallup	5,145.0	5,153.0			
		<b>Casing Strings</b>							
			Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)	
			Surface	8 5/8	22 70	SJ		211.0	
			Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)	
			Production	5 1/2	14 00	J-55		5,283.0	
			<b>Cement</b>						
			Description	Type	String				
			Cement Squeeze	squeeze	Production, 5,283.0ftKB				
			Comment						
			Csg lk 3,200' - 3,218'. Sqzd w/367 sx cmt.						
			Description	Type	String				
			Production Casing Cement	casing	Production, 5,283.0ftKB				
			Comment						
			Cmt 115 sx Circ cmt to surf.						
			Description	Type	String				
			Surface Casing Cement	casing	Surface, 211.0ftKB				
			Comment						
			Cmt 200 sx. Did not circ.						
			<b>Perforations</b>						
	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Cur... Status	Zone	
	8/4/1960	5,145.0	5,153.0					Gallup	
	9/12/1961	5,199.0	5,199.0					Gallup	
	<b>Tubing Strings</b>								
	Tubing Description	Run Date	Set Depth (ftKB)						
	<b>Tubing Components</b>								
	Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
	<b>Rods</b>								
	Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)					
	<b>Rod Components</b>								
	Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
	<b>Stimulations &amp; Treatments</b>								
	Frac Start Date	Top Perf (f)	Bottom Pe	V (slurry) (	Total Prop ..	AIR (b	ATP (psi)	MTP (psi)	ISIP (psi)
	8/4/1960	5145	5153		30,000.0	46	2,100.0		900.0
	Comment								
	Spearherd w/500 gal acid. Frac GP perfs w/30,000 gal oil carrying 20,000# 20/40 sd & 10,000# 10/20 sd.								
	Frac Start Date	Top Perf (f)	Bottom Pe	V (slurry) (	Total Prop..	AIR (b	ATP (psi)	MTP (psi)	ISIP (psi)
	9/13/1961	5199	5199		10,000.0	13	4,900.0		900.0
	Comment								
	Frac w/10,000 gal oil carrying 10,000# 20/40 sd.								

# NW CHA CHA UNIT #24

API 30-045-07990

PROPOSED P&A

KB: 5,598'

GL: 5,586'

KB CORR: 12'

