Form 3160-5

# UNITED STATES

UL	2 4	2008	FORM APPROVED OM B No 1004-0137 Expires: March 31, 2
			Expires: March 31, 2

Date

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13 Describe Proposed or Compl If the proposal is to deepen d	leted Operation (clearly state all per					
Final Abandonment Notice	Convert to Injection	Plug and Abandon Plug Back	Temporarily A	ıl		
Subsequent Report	Casing Repair Change Plans	New Construction	Recomplete	\ handon	Other	
Notice of Intent	Acidize Alter Casing	Dcepen Fracture Treat	Production (S	start/Resume)	Water Shut-Off Well Integrity	
TYPE OF SUBMISSION		TY	PE OF ACTION	7		
12. CHECK	APPROPRIATE BOX(ES) T	O INDICATE NATU	RE OF NOTICE,	REPORT, OF	R OTHER DATA	
660' FSL & 1980' FEL SW	SE Sec.35(O)-T29N-R14W	N.M.P.M.			UAN, NEW MEXICO	
4 Location of Well (Footage, Sec	, ,		3b. Phone No. (include area code) 505-333-3100		30-045-07596  10. Field and Pool, or Exploratory Area KUTZ W PICTURED CLIFFS  11 County or Parish, State	
3a Address 382 CR 3100, AZTEC, NM	87410					
2. Name of Operator XTO ENEI	9. API W	9. API Well No.				
1. Type of Well Oil Well Class Well Class  Other					8. Well Name and No. NW CHA CHA UNIT #76	
SUBMIT IN TRIPLICATE- Other instructions on reverse side.					r CA/Agreement, Name and/o	
					O NATION	
abandoned i		to drill or to re-	enter an		n, Allottee or Tribe Name	
Do not use	this form for proposals well. Use Form 3160-3		LLO			
Do not use	BUREAU OF LAND MA Y NOTICES AND RE this form for proposals	PORTS ON WE	Bureau of Lar Farmington	n lelo Cilio 14-20-6	aj No 03-2172	

(Instructions on page 2)

Approved by Original Signed: Stephen Mason
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, make 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.

Title

Office

# NW Cha Cha Unit #76 — Pictured Cliffs PLUG AND ABANDONMENT PROCEDURE

660' FSL & 1980' FEL SE, Section 35, T29N, R14W San Juan County, NM API #30-045-07596 Latitude: N 36.67773 Longitude: W 108.27756

#### 3/1/07 revised 5/27/08

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

- 1. Project will require a Pit Permit (C103) from the NMOCD.
- 2. Install and test location rig anchors. Prepare and line a waste fluid pit. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.

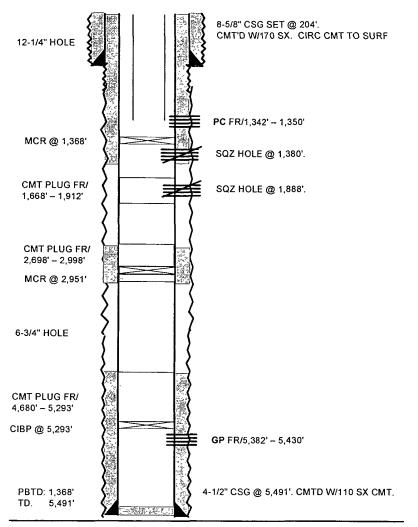
3.	Rods:	Yes,	NoX_	_, Unknown	_	
	Tubing:	YesX	, No	, Unknown,	Size,	Length
	Packer:	Yes,	NoX	, Unknown	Туре	•
	If well h	as rods or a	packer, the	en modify the work	sequence in St	ep #2 as appropriate

- 4. Plug #1 (Pictured Cliffs perforations and PC and Fruitland tops, 1292' 930'): TIH and set CIBP at 1292'. Load casing with water and circulate well clean. Pressure test casing to 1000#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 33 sxs Class G cement and spot a balanced plug inside the casing to cover the PC interval through the Fruitland top. PUH to 254'.
- 5. Plug #2 (8.625"casing shoe and surface, 204' Surface): Connect the pump line to the bradenhead valve Pressure test the bradenhead annulus to 300#, note volume to fill. If it tests, then with tubing at 254', establish circulation out casing valve with water. Mix approximately 25 sxs Class G cement and fill the 4.5" casing to surface, circulate good cement out the casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate 3 squeeze holes at the appropriate depth and fill the BH annulus with cement to surface. TOH and LD tubing. Shut in well.
- 6. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

#### NW Cha Cha Unit #76

#### WELLBORE DIAGRAM

KB: 5,880' GL<sup>-</sup> 5,868' KB CORR. 12'



#### DATA

LOCATION 660' FSL & 1,980' FEL, UNIT O, SEC 35, T29N, R14W

COUNTY/STATE: SAN JUAN, NEW MEXICO

FIELD: PICTURED CLIFFS & CHA CHA GALLUP

FORMATION: PICTURED CLIFFS

API#: 30-045-07596 XTO WELL #: 77511

SPUD DATE: 03/18/61 COMPL

COMPLETION DATE: PC. 09/21/04

IP: PC: F. 0 BW

GP:

PERF: PC FR/1,342' - 1,350'

**GP** FR/5,382' – 5,389', 5,395' – 5,403' & 5,424' – 5,430'. (UNDER CIBP)

**TUBING STRING: 2-3/8" TBG. EOT @ 1,322"** 

RODS & PMP: NONE PROD METHOD: FLWG

#### **HISTORY**

<u>03/18/61:</u> SPUD 12-1/4" HOLE. TD12-1/4" HOLE. RAN 8-5/8" CSG & SET @ 204'. CMTD W/170 SX CMT. CIRC CMT TO SURF.

<u>??/??/61:</u> TD 6-3/4" HOLE. RUN 4-1/2" CSG @ 5,491'. CMTD W/110 SX CMT.

PERF GP FR/5,382' - 5,389', 5,395' - 5,403' & 5,424' - 5,430'. FRAC GP
FR/5,424' - 5,430' W/26,600 GALS LEASE CRUDE CARRYING 26,600#
SD & 2,750# ADOMITE. FR/5,382' - 5,403' W/15,000 GALS LEASE
CRUDE CARRYING 15,000# SD & 1,500# ADOMITE.

06/17/70: TIH W/PKR. SET PKR @ 5,356'. PLACE 1,500# ON BACKSIDE DURING FRAC. REFRAC GP W/14,658 GALS FLD CARRYING 22,300# SD & 300# ADOMITE. SCREENED OUT. PULLED OUT WITH PKR. PKR STUCK AFTER 260'. TIH W/1" TBG. CO SD TO 5,200'. CO TBG 5' ABOVE PKR. TOH W/PKR. CO HOLE. TIH W/TBG. TIH W/RODS & PMP.

??/??/85: REMOVE PU. SHUT WELL IN FOR ECONOMICAL REASONS.

01/21/98: TIH W/4-1/2" CIBP. SET CIBP @ 3,293'. TIH W/PKR. SET PKR @ 3,204'.
PT CIBP. PT OK. PT BACKSIDE. TST OK. TOH W/PKR. WELL T&A'D.

10/20/03: TIH W/CIBP. SET CIBP @ 5,293'. TIH W/TBG SPOT CMT FR/4,680' - 5,293'.

10/21/03: TIH W/4-3/4" CSG SCRAPER TO 2,984'. TGD CMT. TOH W/CSG SCRAPER. TIH W/94 JTS TBG TO 3,046'. CMT MUST BE AGAINST CSG. CIRC HOLE. PT CSG TO 500 PSIG. HOLE TAKING FLD @ 2 BBLS/MIN @ 800 PSIG. TOH W/TBG. TIH W/MCR. SET MCR @ 2,951'. PMP 53 SX CMT FR/2,798' – 2,998' ON OUTSIDE OF CSG & FR/2,698' – 2,998' INSIDE CSG. TOH W/1,981'.

10/22/03: PT CSG TSTD OK. BH ON VAC. TIH W/WL. TGD TOC @ 2,448'. SHOT SQZ HOLE @ 1,888'. TIH W/TBG. TRY AND GET CIRC TROUGH SQZ

### NW Cha Cha Unit #76

#### WELLBORE DIAGRAM

HOLES OUT THE BH. THE WH STARTED TO LEAK. TOH W/TBG. TIH W/CBL FR/2,000' – SURF. TIH W/TBG. SPOT BALANCED PLUG FR/1,688' – 1,912'. TOH W/TBG.

10/23/03: TIH W/WL. TGD TOC @ 1,668'. SHOT SQZ HOLES @ 1,380'. TOH W/WL. TIH W/MCR. SET MCR @ 1,368'. PPD 225 SX CMT. CIRC CMT TO SURF. TOH W/TBG.

??/??/04: PERF PC FR/1,342' - 1,350'.

09/07/04: TIH W/PKR. SET PKR @ 1,182'. EOT @ 1,184'.

09/11/04: PPD 500 GALS A FRAC PC DWN TBG W/21,798 GALS XL FLD CARRYING 30,000# 20/40 SD & 10,000# 20/40 SD COATED W/ACTIVATOR. AIR 19.5 BPM. ATP 1,310 PSIG.

09/13/04: TOH W/PKR

09/21/04: TIH W/TBG. EOT @ 1,322'.

05/01/07: XTO ENERGY ASSUMED OPERATIONS.

## NW Cha Cha Unit #76

### Proposed P&A

**West Kutz Pictured Cliffs** 

660' FSL & 1980' FEL, Section 35, T-29-N, R-14-W San Juan County, NM / API #30-045-07596

Lat: N 36.67773 / Long: W 108.27756

Today's Date: 3/1/07 revised 5/27/08

Spud: 3/18/61

Comp: Gallup 5/22/61 PC 9/21/04 Elevation: 5880' KB

12.25" Hole

1

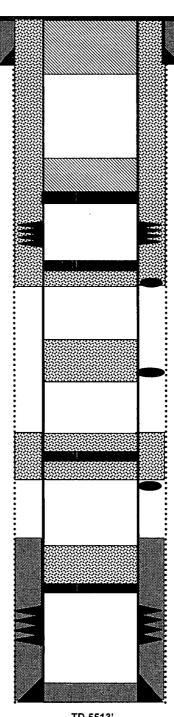
Pictured Cliffs @ 1342'

Fruitland @ 980' \*est

Mesaverde @ 2951'

Gallup @ 5040' \*est

6.75" Hole



TD 5513' PBTD 1368'

8.625",24# J-55 Casing set @ 204' 170 sxs cement circulated to surface

Plug #2: 254' - 0' Class G cement, 25 sxs

Plug #1: 1292' - 930' Class G cement, 33 sxs

Set CIBP @ 1292'

Pictured Cliffs Perforations: 1342' – 1350'

Peforate 12 sqz holes @ 1380', set CR at 1368'. Squeeze with 125 sxs, circ 9 bbls good cement out BH (1998)

20 sxs cement from 1912' – 1688'; Unable to circulate outside casing. TOC 1668' (1998)

Perforate @ 1888'

CR @ 2951' (1998), Squeeze with total 53 sxs, TOC @ 2448' Casing leak (1998)

Top of Cmt @ 4553' (Calc, 75%)

CIBP @ 5293' (1998), Spot 20 sxs cement to 4680'

Gallup Perforations: 5382' – 5430'

4.5", 9.5#, J-55 Casing @ 5491' Cemented with 110 sxs