SUBMIT IN TRIPLICATE* (Other instructions on

Form approved.

Budget Bureau No. 1004-0136

(December 1990)		UNITED STATE	S	reverse side)		Expires: December 31, 1991
*	DEPARTMENT OF THE INTERIOR				5. LEASE DESIGNATION AND SERIAL NO.	
	BU	REAU OF LAND MANAC	GEMENT			NM-03190
	APPLICATION	FOR PERMIT T	O DRILL OR	DEEPEN		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
la. TYPE OF WORK	ANT BIOZITION	TORTEMENT	O DIGED ON	DEET E.	····	N/A
12 1112 01 WOLL	DRILL 🛛	DEEPEN				7. UNIT AGREEMENT NAME
b. TYPE OF WELL						Cox Canyon 8. FARM OR LEASE NAME WELL NO.
OIL	GAS WELL X OTHER		SINGLE ZONE	MULTIPLE ZONE	П	·
2. NAME OF OPERATOR		•	<u> </u>			Cox Canyon Unit #7C
	` 'illiams Production C	omnany LLC				30-045-33018
3. ADDRESS AND TELE	PHONE NO.	ompany, EEC				10. FIELD AND POOL, OR WILDCAT
_ P.	O. Box 316— Ignaci	o, Colorado 81137-03	16		_	Blanco MV
4. LOCATION OF WELL At surface	(Report location clearly and in acc	ordance with any State requirements.	*)			11. SEC.,T.,R.,M., OR BLK.
	1,485' FS	L, 1,940' FWL	(K)			Section 17.
At proposed prod. zone	1,485' FS	L, 1,940' FWL	(K)			K T32N, R11W, NMPM
14. DISTANCE IN MILE	S AND DIRECTION FROM NEA	REST TOWN OR POST OFFICE*				12. COUNTY OR PARISH 13. STATE
#		NW of Cedar Hill, N	M			San Juan NM
LOCATION TO NEAR		16. N	O. OF ACRES IN LEASE		тотн	F ACRES ASSIGNED IS WELL
				33	20 acres - NWU-162	
18. DISTANCE FROM PR	ROPOSED		ROPOSED DEPTH		20. ROTARY	OR CABLE TOOLS
LOCATION TO NEA DRILLING, COMPLI					İ	
APPLIED FOR, ON T	1/- 4	00'	+/- 6,191'			otary
21. ELEVATIONS (Show	whether DF,RT,GR,etc.)				22.	APPROX. DATE WORK WILL START*
	6,737	" GR				May 15, 2005
23.		PROPOSED CASING	AND CEMENTING I	PROGRAM		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANT	ITY OF CEMENT
12-1/4"	9-5/8" K-55	36#	+/- 300'	150 sacks Type	III cement + 2% C	aCl ₂ + 1/4 #/sk. Cello-Flakes
8-3/4"	7" K-55	20#	+/- 2,856'	340 sacks Lead	and 50 sacks Tail (see Drilling Plan)
6-1/4"	4-1/2" K-55	10.5#	+/-2,756-6,191	50 sacks Lead a	nd 145 sacks Tail (see Drilling Plan)
Other Inform		urface Use Plan are att	ached.	NON SOOP	EL CLUBER OF THE PARTY OF THE P	2005 APR 19 AM 10 C RECEIVED OTO FARMINGTON N

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any

SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS".

signed Don Hamil	ton Don Hamilton TITLE	Agent for Williams	DA1E April 14, 2005
(This space for Federal or State office us	e)		
PERMIT NO.		APPROVAL DATE	
Application approval does not war CONDITIONS OF APPROVAL IF AN	rant or certify that the applicant holds legal	or equitable title to those rights in the subject lea	se which would entitle the applicant to conduct operations thereon.
1/	*See I	nstructions On Reverse Sid	le /

Title 18 U.S[C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency or the

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Antesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088 State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

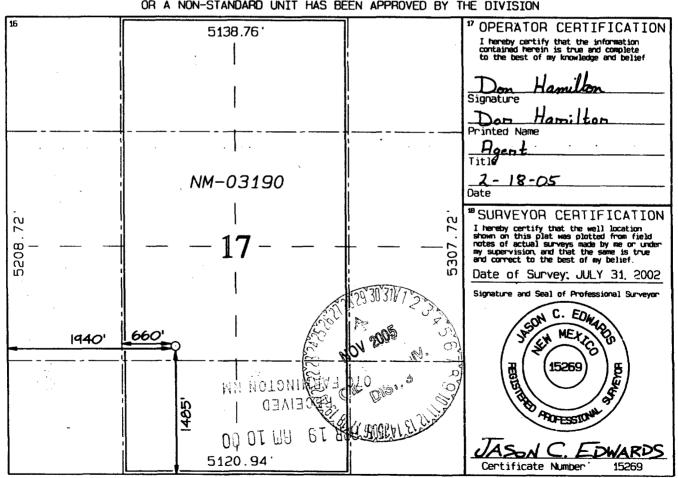
___ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

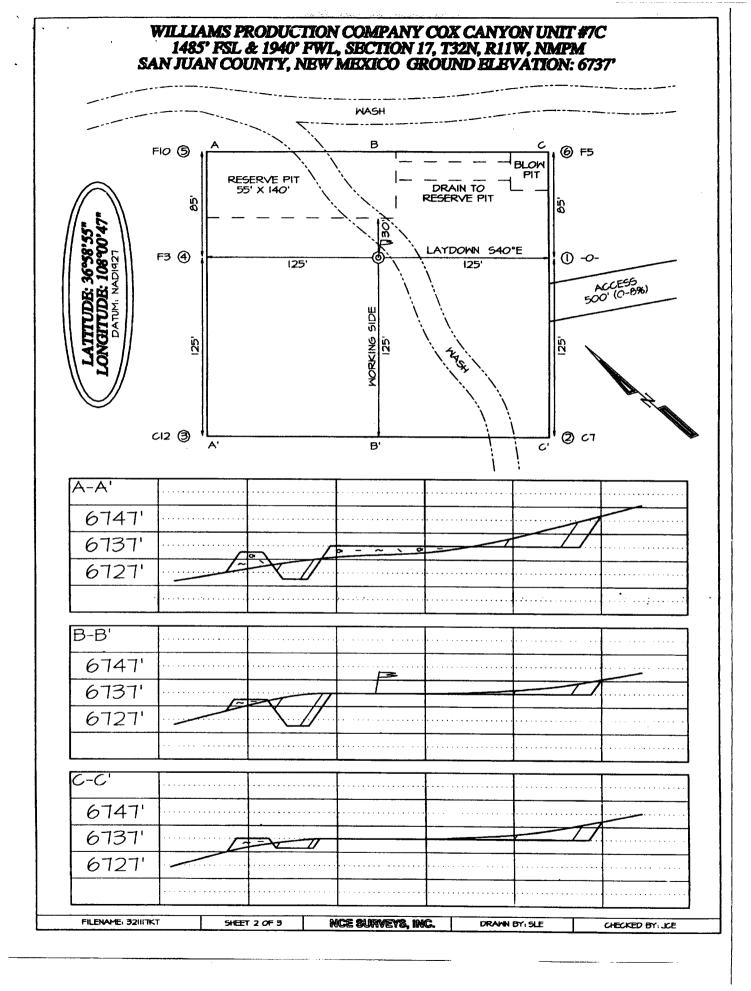
'API Number		*Pool Code 'Pool Name	
30-045-33018	72319	BLANCO MESAVERDE	
'Property Code	*Pr	Well Number	
17036	COX C	7C	
'OGRID No.	*Op	perator Name	*Elevation
120782	WILLIAMS PF	RODUCTION COMPANY	6737
	40	· · · · · · · · · · · · · · · · · · ·	

¹⁰ Surface Location UL or lot no Section Lot Idn Feet from the North/South line Feet from the East/Nest line County 17 32N SOUTH К 11W 1485 1940 WEST SAN JUAN 11 Bottom Hole Location If Different From Surface UL or lot na. Sect ion Lot Idn North/South line County Feet from the 12 Dedicated Acres ¹³Joint or Infill ¹⁴ Consolidation Code NWU-162 2/16/56 320.0 Acres - (E/2 W/2 & W/2 E/2)

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Submit 3 Copies To Appropriate District	State of New Mex	kico	Form C-103	
Office District I	Energy, Minerals and Natur	al Resources	May 27, 2004	
1625 N. French Dr., Hobbs, NM 88240	3.7	i	WELL API NO.	
District II	OIL CONSERVATION	DIVISION	30-045-33018	
1301 W. Grand Ave., Artesia, NM 88210			5. Indicate Type of Lease	
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Fran		STATE FEDERAL X	
District IV	Santa Fe, NM 87	505	6. State Oil & Gas Lease No.	
1220 S. St. Francis Dr., Santa Fe, NM	•		NM-03190	
87505	TOPE AND DEPONTS ON WELLS		7 1 N	
•	ICES AND REPORTS ON WELLS SSALS TO DRILL OR TO DEEPEN OR PLU	C BACK TO A	7. Lease Name or Unit Agreement Name	
	CATION FOR PERMIT" (FORM C-101) FO		Cay Canyon Unit	
PROPOSALS.)			Cox Canyon Unit 8. Well Number #7C	
1. Type of Well: Oil Well	Gas Well 🛛 Other	1	8. Well Number #/C	
2. Name of Operator			9. OGRID Number	
Williams	Production Company, LLC		120782	
3. Address of Operator			10. Pool name or Wildcat	
P.O. Box 316; 999	Goddard Ave., Ignacio, CO 81	137	Blanco MV	
4. Well Location				
i	1485 feet from the South	line and 104	0 feet from the West line	
Section 17 To	ownship 32N Range 11W N		ounty San Juan	
	11. Elevation (Show whether DR,			
N. D. I.T. I.A. S	6737'	GR		
Pit or Below-grade Tank Application 🖾			>1000'	
Pit typeReserve_Depth to Groundwa	ter_+/-50 ft_Distance from nearest fresh w	ater well>1000 ft	Distance from nearest surface water_====================================	
Pit Liner Thickness: 12 mi	Below-Grade Tank: Volume	11.000 bbls: Con	struction Material Native	
		<u></u>		
12. Check	Appropriate Box to Indicate Na	ature of Notice, I	Report or Other Data	
NOTICE OF IN	ITENTION TO	OUD	SECUENT DEPORT OF	
-	NTENTION TO:		SEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	 1	REMEDIAL WORK		
TEMPORARILY ABANDON		COMMENCE DRIL		
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT	JOB []	
OTHER:	ra)	OTHER:	П	
	pleted operations. (Clearly state all n		give pertinent dates, including estimated date	
			ach wellbore diagram of proposed completion	
or recompletion.	ork). SEE ROEE 1103. 101 Manupi	c completions. Au	ach wehoore diagram of proposed completion	
or recompletion.				
Reserve pit to be located approx	imately 50 to 75 feet from well he	ad. Reserve pit m	nulti-use drilling and completion to avoid	
			tubing set. Reserve pit to be constructed,	
	nce with NMOCD guidelines and V			
	garaamia ana	Time process		
•				
-				
I hereby certify that the information	above is true and complete to the be	st of my knowledge	and belief. I further certify that any pit or below-	
			or an (attached) alternative OCD-approved plan .	
SIGNATURE Don Ho	amillon TITLE	Agent for William	ns DATE April 14, 2005	
Type or print name Don Hamilt	ton E-mail address: starpoin	t@etv.net Teleph	one No. 970-564-9220	
	•			
For State Use Only	\mathcal{A}			
		TY OIL & GAS INSPE	CTOR. DIST. 48 DATE NOV 2 8 2005	
APPROVED BY:	TITLE		DATE	
Conditions of Approval (it any):				
	•			





WILLIAMS PRODUCTION COMPANY

Operations Plan

(Note: This procedure will be adjusted on site based upon actual conditions)

DATE:

2/17/2005

FIELD:

Blanco MV

WELL NAME:

Cox Canyon Unit #7C

SURFACE:

FED

LOCATION:

ELEVATION:

NESW Sec 17-32N-11W

MINERALS:

FED

San Juan, NM

LEASE#

NM-03190

MEASURED DEPTH: 6,191'

6,737' GR

I. **GEOLOGY:** Surface formation - San Jose

A. FORMATION TOPS: (KB)

Ojo Alamo	1,441	Cliff House	5,164
Kirtland	1,521	Menefee	5,334
Fruitland	2,906	Point Lookout	5,691
Picture Cliffs	3,399	Mancos	6,016
Lewis	3,539	TD	6,191

- B. MUD LOGGING PROGRAM: None
- C. LOGGING PROGRAM: High Resolution Induction/ GR and Density/ Neutron log from intermediate shoe to TD. Onsite geologist will pick Density/ Neutron log intervals on both logging runs.
- D. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

- A. MUD PROGRAM: Clear water with benex to 7" casing point. Convert to a LSND mud to log and run pipe. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses. Use air w/Air Hammer from 7 in. csg.to TD.
- B. **BOP TESTING:** While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip. The anticipated reservoir is expected to be less than 1300 psi, so the rams will be tested to 1500 psi. The surface and intermediate casing strings will be pressure tested to 1500 psi in conjunction with the BOP test before drilling out cement. The drum brakes will be inspected and tested each tour. All tests, inspections and SPR's will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

CASING TYPE	HOLE SIZE	<u>DEPTH</u> (MD)	CASING SIZE	WT. & GRADE
Surface	12-1/4"	+/- 300'	9-5/8"	36# K-55
Intermediate	8-3/4"	+/- 2,856'	7"	20# K-55
Prod. Liner	6-1/4"	+/- 2,756'-6,191'	4-1/2"	10.5# K-55

B. FLOAT EQUIPMENT:

- 1. <u>SURFACE CASING:</u> 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (4) joints of Surface Casing.
- 2. <u>INTERMEDIATE CASING:</u> 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install (1) Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. Run (1) Turbulent centralizer at 2,700 ft., 2,500 ft., 2,300ft., 2,000ft., 1,500 ft., and 1,000 ft. (NTL-FRA 90-1).
- 3. PRODUCTION LINER / CASING: 4-1/2" & 5-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' bottom joint. Place marker joint above 5,400'. Place centralizers as needed across selected production intervals.

C. CEMENTING:

(Note: Volumes may be adjusted onsite due to actual conditions)

- 1. SURFACE: Slurry: 150sx (205 cu.ft.) of "Type III" + 2% CaCl₂ + 1/4 # of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). The 100% excess should circulate cement to the surface. WOC 12 hours. Test csg to 1500psi.
- 2. INTERMEDIATE: Lead 340 sx (708) cu.ft.) of "Type III" 65/35 poz with 8% gel, 1% CaCl₂ and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail 50 sx (70cu.ft.) of "Type III" with 1/4# cello-flake/sk, and 1% CaCl₂ (Yield = 1.4 cu.ft./sk, Weight = 14.5#/gal.). Use 100% excess in Lead Slurry to circulate to surface. No excess in Tail Slurry. Total volume = 778 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface.
- 3. PRODUCTION LINER: 10 bbl Gelled Water space. Lead: 50sx (130ft³) of Premium Light HS + 1% FL-52 + .2% CD-32, 0.1% R-3, 3 #/sk CSE, ¼ #/sk cello flake. (Yield = 2.59 cu.ft./sk, Weight = 11.6 #/gal.). Tail: 145 sx (308 ft³) of Premium Light HS + 1% FL-52 + .2% CD-32, 0.1% R-3, 3 #/sk CSE, ¼ #/sk cello flake and 4% Phenoseal. (Yield = 2.15 ft³/sk, Weight = 12.3 #/gal.). Displace cement at a minimum of 8 BPM. The 20% excess in lead and tail should cover 100 ft into intermediate casing. Total volume 438 ft³. WOC 12 hours

Cox Canyon Unit #7C Operations Plan Page #3

IV COMPLETION

A. CBL

1. Run Cement Bond Log across all intervals to be perforated and find Top of Cement behind all casing strings if cement is not circulated to surface.

B. PRESSURE TEST

1. Pressure test 7" & 4-1/2" casing to 3300# for 15 minutes.

C. STIMULATION

- 1. Perforate the Point Lookout as determined from the open hole logs.
- 2. Stimulate with approximately 80,000# of 20/40 sand in slick water.
- 3. Isolate Point Lookout with a CIBP.
- 4. Perforate the Menefee/Cliff House as determined from the open hole logs.
- 5. Stimulate with approximately 80,000# of 20/40 sand in slick water.
- 6. Test each zone before removing bridge plugs.

D. RUNNING TUBING

1. <u>Mesa Verde:</u> Run 2-3/8", 4.7#, J-55, EUE tubing with a SN (1.91" ID) on top of bottom joint. Land tubing approximately 25' above the bottom Point Lookout perforation.

Gary Sizemore Sr. Drilling Engineer



Well Control Equipment Schematic for 2M Service

Typical BOP setup

