Form 3160-3 (May 1999)

. SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

FORM APPROVED OMB 1004-0136

UNITED STATES

Expires: May 31, 2000

	RTMENT OF TH EAU OF LAND MA		REUEIVEI Bl.tr	SF-078768) SERIAL NO.
		····		6 IF INDIAN ALLOTTEE OR	TRIBE NAME
APPLICATION FO			R PLUG BACK	7. UNIT AGREEMENT NAME	
14 TYPE OF WORK DRILI	LX DEEPEN	' ∐	070 (77) (55) (4	Rosa Unit	
1b. TYPE OF WELL				8. FARM OR LEASE NAME, V	VELL NO.
OIL WELL	X OTHER	SINGLE X	MULTIPLE ZONE	343	
2. NAME OF OPERATOR	U OTREK	2016	20.0	9. API WELL NO.	7 /
	roduction Compan	у			-26203
3 ADDRESS OF OPERATOR	7/16 5 16 : 50	E 1 304.074	(02 /505) 227 480	10. FIELD AND POOL OR WIL	
c/o Walsh Engineering, 4. LOCATION OF WELL (Report lo				2 Basin Fruiti	ana Coal
	and 2375' FWL	nce with any State requirements.	1000 CALLO (1)	AND SURVEY OR AREA	
At proposed Prod. Zone			SC	Sec. 26, T31	'N, R5W
14. DISTANCE IN MILES AND DIRECT		OR POST OFFICE*	RECEIVED	12 COUNTY OR PARISH	13. STATE
15. DISTANCE FROM PROPOSED* LOC	E of Blanco, NM	RTY 16. NO. OF ACRES IN EAS	OILCON.DIV B DIST. 3	Rio Arriba	NM THIS WELL
OR LEASE LINE, FT.(Also to nearest		KIT III. NO. OF ACKES IN	S. UNI.S	*/ ,	IIIO WELL
1365'	ATTOMATO ATTARECT WELL	19. PROPOSED DEPTH		320 ROTARY OR CABLE TOOLS	
18 DISTANCE FROM PROPOSED LOC. DRILLING, COMPLETED, OR APPL			10.68		
5500'		339	0	Rotary	
21 ELEVATIONS (Show whether DF, RT, 6536' GR		22. APPROX. DATE WORK WILL START* August 15, 1999			
23.	PROPOSED CA	SING AND CEMENTING	PROGRAM		
SIZE OF HOLE	GRADE, SIZE OF CASING		SETTING DEPTH	QUANTITY	
12-1/4"	9-5/8"	36# K-55	250'	176 cu ft. Cl "B" w/	
8-3/4" 6-1/4"	7" 5-1/2"	20# K-55 15.5# K-55	3270' 3170' - 3390'	1038cuft.Cl "B" 65/35 p	oz & 60cuft w/ 2% CaCl
procedural re- and appeal pu Williams Production Co	subject to technical view pursuent to 43 ursuant to 43 CFR 3 ompany proposes in	CFR 31 65.3 3185.4 o arill a vertical wel	l to develop the Fri	itland Coal formatic	on at the above
described location in ac	cordance with the	attached drilling an	d surface use plans	·.	
This location has been a	archaeologically s	urveyed by Moore A	nthropological Rese	earch. Copies of thei	r report have
been submitted directly		•			-
This APD also is serving accessed by a new road 26, and the N/2 of SW/4	approximately 50 of Sec. 25, T31N,	00' long by 30' wide R5W where it joins i	which crosses the l		will be
The pipeline route is de	scribed on Plat #4	! and #4A	SUBJE	NG-OPERATIONS AUTHO OT TO COMPLEYINGE WIT RAL REQUIREMENTS!!	
IN ABOVE SPACE DESCRIBE PRO	OPOSED PROGRAM : If pro ionally, give pertinent data or	oposal is to deepen or plug back, n subsurface locations and measu	give data on present productivated and true vertical depths.	re zone and proposed new produ Give blowout preventer program	ctive zone.
SIGNED Paul C.	Thomps-	TITLE Par	ul Thompson, Agen	t DATE	7/7/99
(This space for Federal or State office u	ise)	•			
PERMIT NO. Application approval does not warrant of	or certify that the applicant holds	APPROVAL DATE legal or equitable title to those rights i	n the subject lease which would en	title the applicant to conduct operation	ns thereon.
CONDITIONS OF APPROVAL, IF AI					
APPROVED BY	Hanades	TITLE (ating Team	Backte 1/21/	00
<u> </u>	*(See Instructions On	Reverse Side		

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

State of New Mexico Energy, Minerals & Natural Resources Departm

Form C-102 Revised February 21, 1994 Instructions on back

PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION FEGSIVED PO Box 2088

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

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

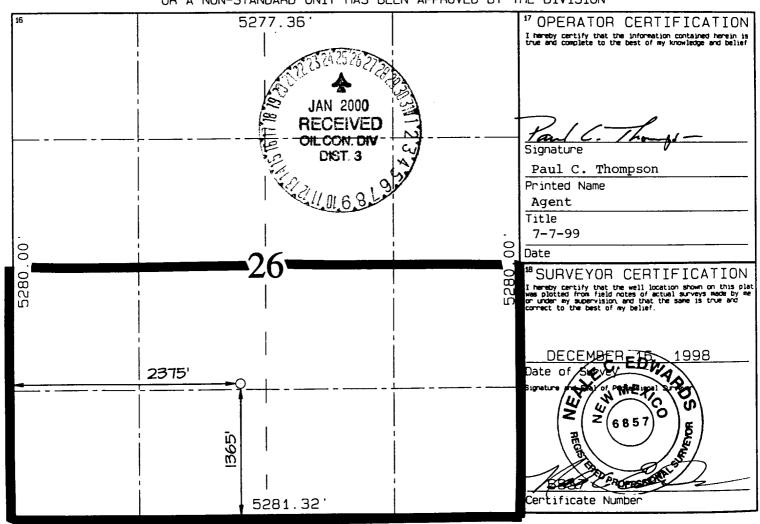
Santa Fe, NM 87504-2088 -9 7772: AMENDED REPORT

District IV PO Box 2088, Santa Fe, NM 87504-2088

070 () WELL LOCATION AND ACREAGE DEDICATION PLATE

'API Number		7 ,	*Pool Code		³Pool Name					
150-039-26203 71629				BASIN FRUITLAND COAL						
*Property	Code				Property	operty Name			Well Number	
1703	3		ROSA UNIT					343		
'OGRIO	Vo .		*Operator Name					*Elevation		
120782		WILLIAMS PRODUCTION COMPANY					6536			
¹⁰ Surface Location										
UL or lot no.	Section	Township	Range	Lat Idn	Feet from the	North/South line	Feet from the	East/We	st line	County
К	26	31N	5W		1365	SOUTH	2375	WE	ST	RIO ARRIBA
¹¹ Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Ne	st line	County
12 Dedicated Acres	•	13 Joint or In	fill ⁵⁴ Cons	solidation Code	²⁵ Order No.					
3:	20	N		Ŭ						

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



WILLIAMS PRODUCTION COMPANY Operations Plan

DATE:

07/1/99

WELLNAME:

Rosa 343

FIELD:

Basin Fruitland Coal

LOCATION:

NE/4 SW/4 Sec. 26, T31N, R5W

SURFACE:

Fee

ELEVATION:

Rio Arriba, NM 6536 GR

MINERALS:

Fed

TOTAL DEPTH:

3390'

LEASE#

SF-078768

I. GEOLOGY:

Surface formation - San Jose

A. FORMATION TOPS: (KB)

2680'
2860'
3190'
3390'
3390

- B. LOGGING PROGRAM: No logging anticipated. Mud logger will be present to determine TD.
- C. <u>NATURAL GAUGES</u>: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

- A. <u>MUD PROGRAM</u>: Clear water with benex to 7" casing point. Treat for lost circulation as necessary. Expect 100% returns prior to cementing. Notify Engineering of any mud losses. If coal is detected before 3270' DO NOT drill deeper until Engineering is contacted.
- B. <u>Drilling Fluid</u>: Coal section will be drilled with Fruitland Coal water. Mud logger will pick TD at +/- 3390.
- C. <u>BOP TESTING</u>: While drill pipe is in use, the pipe rams will be tested not less than once each day. The blind rams will be tested once each trip. The drum brakes will inspected and tested each tour. All tests and inspections will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

CASING TYPE	HOLE SIZE	DEPTH	CASING SIZE	WT. & GRADE
Surface	12-1/4"	250'	9-5/8"	36# K-55
	8-3/4"	3270'	7"	20# K-55
Intermediate	V =- · ·	3170-3390'	5-1/2"	15.5# K-55
Prod. Liner	6-1/4"	31/0-3390	J-112	15.5 12.00

B. FLOAT EQUIPMENT:

- 1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe.
- 2. <u>INTERMEDIATE CASING:</u> 7" cement nose guide shoe with a self-fill insert float. Place float one(1) joint above the shoe and five(5) centralizers, spaced every other joint, starting with the float collar. Place turbulent centralizers, at 120 intervals, starting at 1585' to the surface. Total centralizers = 5 regular and 14 turbulent.

Rosa #343 Drilling Prognosis Page #2

3. PRODUCTION LINER: 5-1/2"liner with notched collar on bottom.

C. CEMENTING:

- 11. <u>SURFACE</u>: Use <u>150 sx</u> (176 cu.ft.) of class "B" with 3% CaCl2 and 1/4# of cello-flake/sk (Yield = 1.19 cu.ft./sk, Weight = 15.6 #/gal.). Use 125% excess to circulate the surface. WOC 12 hours. Test to 1500#.
- 2. INTERMEDIATE: Lead 500sx (1038 cu.ft.) of class "B" 65/35 poz with 8% gel. 2% CaCl2 and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.).

 Tail 50sx (60 cu.ft.) of class "B" with 2% CaCl2 and 1/4# cello-flake/sk, (Yield = 1.19 cu.ft./sk, Weight = 15.6 #/gal.). Use 125% excess in lead and tail to circulate to surface. Total volume = 1098 cu.ft. WOC 12 hours. Run a temperature survey after 8 hours if cement is not circulated. Test to 1500#.
- 3. PRODUCTION LINER: Open hole completion. No cement.

IV COMPLETION

A. PRESSURE TEST

Pressure test 7" casing to 3300# for 15 minutes.

B. STIMULATION

Cavitate Well with reciprocation and rotation. Surge wells with water and air and then flow back to pit.

Cavitate for 2 to 3 weeks. Maximum pressure not expected to exceed 2,000 psi.

C. RUNNING TUBING

1. <u>Mesa Verde:</u> Run 2-3/8", 4.7#, J-55, EUE tubing with a SN (1.375" ID) on top of bottom joint. Land tubing approximately 50' above TD.

Lance A. Hobbs Engineer, Production & Drilling

file:343Rosa

