	RCVD JAM5'0'	
	OIL CONS. DIL	-
4	DIST. S	

(September 2001)	FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004			
UNITED STATES				
DEPARTMENT OF THE INTERIOR	5. Lease Serial No.			
BUREAU OF LAND MANAGEMENT	701-02-0014 6. If Indian, Allottee or Tribe Name			
APPLICATION FOR PERMIT TO DRILL OR REENTER	o. If fildran, Anottee of Thoe Name			
COMO UND A SEU A	Jicarilla Apache Nation			
la. Type of Work: DRILL REENTER	7. If Unit or CA Agreement, Name and No.			
RECEIVED	8. Lease Name and Well No.			
1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone	JAECO 26-3 16 #1 CBM			
2. Name of Operator	9. API Well No.			
Williams Production Company, LLC	30-039-30026			
3a. Address 3b. Phone No. (include area code)	10. Field and Pool, or Exploratory			
P.O. Box 640 Aztec, NM 87410 (505) 634-4208	Blanco MV/Basin Dakota			
4. Location of Well (Report location clearly and in accordance with any State requirements. *)	11. Sec., T., R., M., or Blk. and Survey or Area			
At surface 2300' FNL & 1450'FEL				
At proposed prod. zone same	6 Section 46 TOCAL DOWN			
14. Distance in miles and direction from nearest town or post office*	Section 16, T26N R3W 12. County or Parish 13. State			
16 miles from Lindrith.NM	Rio Arriba NM			
	acing Unit dedicated to this well			
location to nearest property or lease line, ft.				
(Also to nearest drig. unit line, if any) 1450' 1320	(A) E/2			
	BIA Bond No. on file			
to nearest well, drilling, completed, applied for, on this lease, fi				
	3001576			
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start*	23. Estimated duration			
7,064' GR November 1, 2005	1 month			
24. Attachments				
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to	this form:			
1. We' plat certified by a registered surveyor. 4. Bond to cover the operation	ons unless covered by an existing bond on file (see			
2. A Linling Plan. l. in 20 above).				
3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification. 6. Such other site specific in the such other site	information and/or plans as may be required by the			
SUPO shall be filed with the appropriate Forest Service Office). 6. Such other site specific is authorized officer.	mrormation and or plants as may be required by the			
25. Signature Name (Printed/Typed)	Date			
Larry Higgins	8-9-0b			
Title 79				
Drilling COM				
Approved by (Signature) Name (Printed/Typed)	Date /2/29/06			
Title AFM Office	0			
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfull.				

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

File application for pit permit on 0 GD form C-103 prior to Constructing Location

Williams Production Company, LLC, proposes to drill a vertical well to develop the Blanco Mesa Verde/Basin Dakota formation at the above described location in accordance with the attached drilling and surface use plans.

The surface is located on Jicarilla Apache Nation lands.

I/I

This location has been archaeologically surveyed by Velarde Energy.

A 4335.0 foot pipeline tie would be required for this location and it is also located on Jicarilla Apache Nation Lands

625' of new access road will be needed to access this well.

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

NMOCD

\$ 1/8/01

District 1

1625 P. French Dr., Hobbs, NM 89240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazes Rd., Aztec, NM 87410

District IV

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102_{DIST}. 3

Revised June 10, 2003

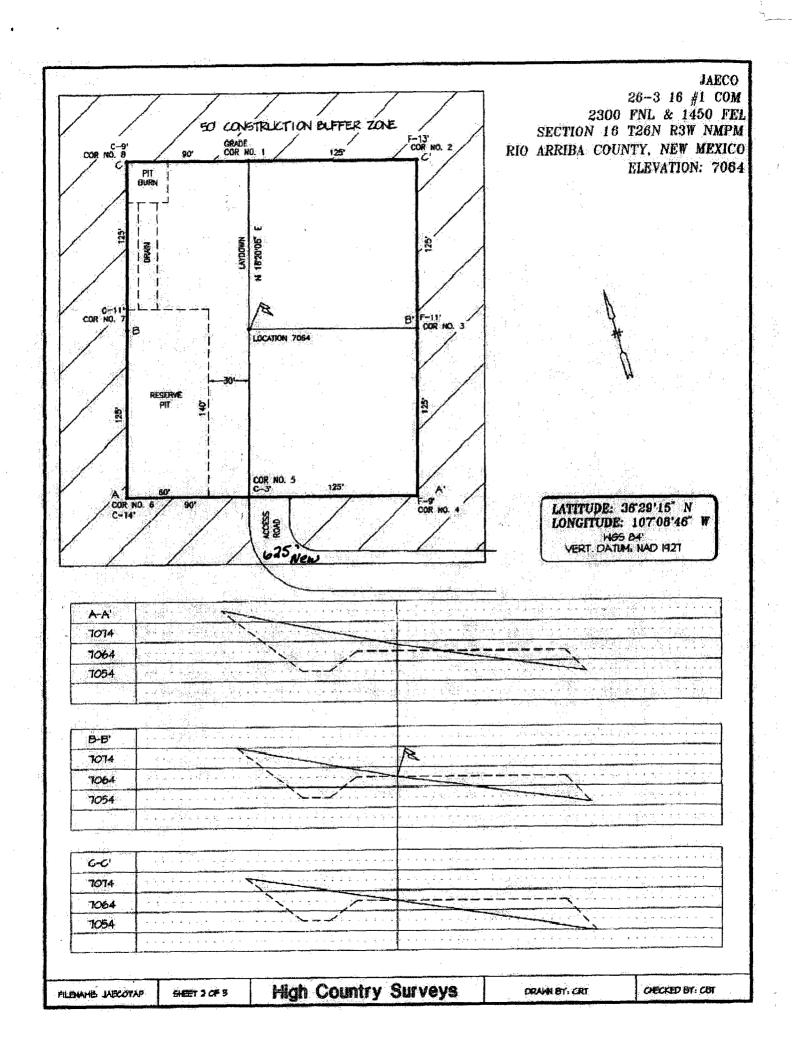
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

30-030 Property		72319/	//ファーBL/ Property N	anco mesave	RDE / BASI		Well Number
362t	7 936247	JAECO	26-3 16	Com		1 00	1 - 2) - C (Man) 25
'ogam' 120782	" William	ns Production	'Operator N JAMEO (Company	,uc	7.0	Elevation 64
			¹⁹ Surface I	L noiteon.			
L or let no.	Section Township	Range Lot lida	Feet from the	North/South line	Feet from the	East/West lise	County
G	16 26N	3W	2300	NORTH	1450	EAST	RIO ARRIBA
regions of		11 Bottom Ho	le Location If	Different From	Surface		
L or let no.	Section Township	Range Lot Ida	Feet from the	North South line	Feet from the	East/West line	Count
Pediented Acres	² Joint or Infill ³ C	onsolidation Code BOC	ley No.				

5284 84 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and LARRY HIEEINS
PRINCIPLE COM
THERMAL ROLL AND THE COM 1450 SECTION 16 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was platted from field notes of actual surveys made by me or under my supervision, and that the same is true 5284





WILLIAMS PRODUCTION COMPANY

Operations Plan

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

DATE:

8/4/2006

FIELD:

BlancoMV/BasinDK

WELL NAME:

JAECO 26-3 16 #1Com

SURFACE:

BOIA

BH LOCATION:

SWNE Sec 16-26N-3W

MINERALS:

Jicarilla Apache

ELEVATION:

7,064' GR

Rio Arriba, NM

LEASE#

MDA#701-02-0014

MEASURED DEPTH: 8

8,413

I. GEOLOGY:

Surface formation - San Jose

A. **FORMATION TOPS:** (KB)

Name	MD	Name	MD
Nacimiento	2,313	Cliff House	5,393
Ojo Alamo	3,208	Menefee	5,508
Kirtland	3,413	Point Lookout	5,813
Fruitland	3,473	Mancos	6,108
Pictured Cliffs	3,668	Gallup	6,833
Lewis	3,853	Greenhorn	7,868
Huerfanito Bentonite	4,168	Graneros	7,933
		Dakota	7,978
		Morrison	8,313
		TD	8,413

- B. MUD LOGGING PROGRAM: Mud log from 300' above Ojo Alamo to TD. Mud logger to pick TD.
- C. <u>LOGGING PROGRAM:</u> HRI from surface casing to TD. SDL/DSN/DSEN over zones of interest. Onsite geologist to pick intervals.
- **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. <u>BOP TESTING</u>: 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 BOPE will be tested to 250 psi (Low) for 5 minutes and 1500 psi (High) for 10 minutes. Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. The drum brakes will be 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	OH SIZE (IN)	DEPTH (MD) (FT)	CASING SIZE (IN)	WEIGHT(LB)	GRADE
Surface	14 3/4	300	10 3/4	32.75	H-40
Intermediate	9 7/8	4,083	7 5/8	26.4	K-55
Longstring	6 3/4	8,413	5 1/2	17	N-80

B. FLOAT EQUIPMENT:

- 1. <u>SURFACE CASING:</u> 10-3/4" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (3) joints of Surface Casing.
- 2. <u>INTERMEDIATE CASING:</u> 7-5/8" 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. <u>PRODUCTION CASING:</u> 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.

IV. CEMENTING:

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

- 1. SURFACE: Slurry: 255sx (356 cu.ft.) of "Type III" + 2% CaCl₂ + ¼ # 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.
- INTERMEDIATE: Lead 710 sx (1476) 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 100 sx (139cu.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 = 1,615 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface.
- 3. PRODUCTION CASING: 10 bbl Gelled Water space. Cement: 210 sx (443 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 443ft³. WOC 12 hours

V. 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 5-1/2" casing to 6000 psi for 15 minutes.

C. STIMULATION

- 1. Stimulate Dakota with approximately 70,000# of 20/40 sand in x-link foam.
- 2. Isolate Dakota with a RBP.
- 3. Stimulate Point Lookout with approximately 80,000# of 20/40 sand in slick water.
- 4. Isolate Point Lookout with a RBP.
- 5. Perforate the Menefee/Cliff House as determined from the open hole logs.
- 6. Stimulate with approximately 80,000# of 20/40 sand in slick water.
- 7. Test each zone before removing bridge plugs

D. RUNNING TUBING

- 1. <u>Dakota</u>: Run 2-1/16", 3.25#, J-55, IJ tubing with 1/2 mule shoe on bottom, SN with pump-out plug on top of adeem joint and 5 Seal Units. Land tubing approximately 100' below top Dakota perf.
- 2. <u>Mesa Verde</u>: Run 2-1/16", 2.9#, J-55, EUE tubing with a SN (1.91" ID) on top of bottom joint. Land tubing approximately 25' above the bottom Point Lookout perforations.

Gary Sizemore
Sr. Drilling Engineer

JAECO 26-3 16 #1 Com.doc