(August 1999)

UNITED STATES

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR KEE FORM APPROVED

OM	JINO.	1004	·νι.	00
Expires:	Nove	nber	30,	2000

5	آ ہے۔	ease Serial	Nο
$\boldsymbol{\mathcal{I}}$			110.

SI	F_()	7	29	R
	-		nz	43

If Indian, Allottee or Tribe Name

N/A

<u> </u>	1. 1. 2. 10 Cl. 110 De.	200 L
	Catheless (7. If Unit or CA Agreement, Name and No.
1a. Type of Work DRILL	REENTER	NORTHEAST BLANCO UNIT
		8. Lease Name and Well No.
1b. Type of Well Oil Well Gas Well Other	Single Zone Multiple Zon	ne NEBU 499A
2. Name of Operator		9. API Well No.
•		,
Attn: Diane Busch Devon Energy Pro	duction Company, L.P.	30-039-27445
3a. Address	3b. Phone No. (include area code)	Field and Pool, or Exploratory
20 N. Broadway Oklahoma City, OK 73102	(405) 228-4362	Basin Fruitland Coal
4. Location of well (Report location clearly and In accordant	ce with any State requirements.*)	11. Sec., T., R., M., or Blk. And Survey or Area
At surface 1875' FSL & 1420' FEL NW	SE Unit J	
At bottom hole 800' FNL & 1300' FEL	NE NE Unit A	Sec. 20 ,T 31N ,R 6W
At proposed prod. zone		BH Sec. 20 ,T 31N ,R 6W
14. DISTANCE IN MILES AND DIRECTION FROM NEAF	REST TOWN OR POST OFFICE*	12. County or Parish 13. State
Approximately 57 miles northeast of B	Bloomfield, New Mexico	Rio Arriba - Surf, San Juan, BH NM
15. Distance from proposed*	16. No. of Acres in lease 1	7. Spacing Unit dedicated to this well
location to nearest		
property or lease line, ft.	2560	320
(Also to nearest drlg unit line, if any)		
18. Distance from proposed location*	 Proposed Depth 	0. BLM/ BIA Bond No. on file
to nearest well, drilling, completed,	21201	CO 1104
applied for, on this lease, ft.	3130'	CO-1104
21. Elevations (Show whether DF. RT, GR, etc.)	22. Aproximate date work will	start* 23. Estimated Duration
6279' GL	Upon Approval	ction is subject to technical and
24. Attachments Subject to compliance with attach		I was also as a second to 40 CER TIRE T
The following completed in accordance with attach	of Onshore Oil and Gas Order AND ING	anal perguant to 43 CFR 3165.4

1.	Well plat	certified	by a	ı registered	surveyor.
----	-----------	-----------	------	--------------	-----------

2. A Drilling Plan.

25. Signature

3. A Surface Use Plan (if the location is on National Forest System Lands, t 5. Operator certification. SUPO shall be filed with the appropriate Forest Service Office).

- 4. Bond to cover the operations unless covered by existing bond on file(see item 20 above).
- 6. Such other site specific information and/or plans as may be required by the authorized officer.

Wiane Busch	Diane Busch	5/30/03
Title V		
Sr. Operations Technician		
Approved By (Signatural David J. Mankiewicz	Name (Printed/Typed)	Date SEP 1 5 2003
Title	Office	

Name (Printed/Typed)

Application approval 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 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 willfully to make to any department or agency of States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

^{* (}Instructions on reverse)



District 1 PO Box 1980, Hobbs NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

Santa Fe, NM 87504-2088

PO Box 2088

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

→ Qistrict II

PO Drawer KK, Artesia, NM 87211-0719

Submit to Appropriate District Office

District III

1000 Rio Brazos Rd., Aztec, NM 87410

State Lease - 4 Copies Fee Lease - 3 Copies

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		¹ Pool Code				
30-039-	27445	71629	BASIN FRUTLAND COAL	<i></i>		
Property Code			5 Property Name	Well Number		
19641	NE	BU		# 499A		
OGRID No.			^a Operator Name	⁹ Elevation		
6137	De	Devon Energy Production Company, L.P.				

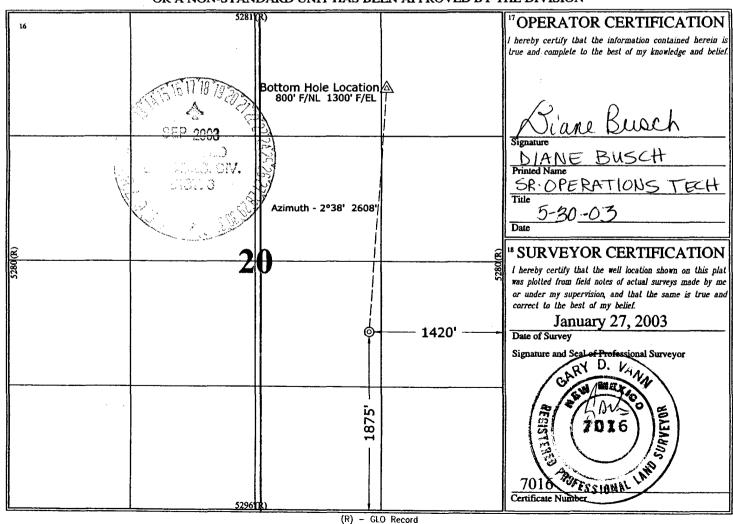
Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	20	31 N	6 W		1875	SOUTH	1420	EAST	Rio Arriba

11 Bottom Hole Location If Different From Surface

Bottom Hole Eccation in Philotom Families									
7 UL or lot no.	Section 20	Township 31 N	Range 6 W	Lot Ida	Feet from the 800	North/South line NORTH	Feet from the 1300	East/West line EAST	SAN JUAN
PC-E/32	1	at or Infill 14	Consolidatio	on Code 15	Order No.				

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



NEBU 499A Unit J 20-31N-6W Rio Arriba Co., NM

DRILLING PLAN

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:

Formation	TMD (ft)	TVD (ft)	Hydrocarbon/Water Bearing Zones
San Jose	Surface	Surface	
Ojo Alamo	3564'	2265'	Aquifer
Kirtland	3702'	2375'	
Fruitland	4140'	2795'	Gas
Pictured Cliffs	4475'	3130'	Gas
TD	4475'	3130'	

All shows of fresh water and minerals will be adequately protected and reported.

2. PRESSURE CONTROL EQUIPMENT:

All well control equipment shall be in accordance with Onshore Order #2 for 2M systems.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram which shows the size and pressure ratings.

2000# BOP With Pipe Rams 2000# BOP With Blind Rams

The anticipated bottom hole pressure is 300 psi.

Auxiliary equipment to be used:

Upper kelly cock with handle available.

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure (utilizing a test plug) or 70% of the internal yield pressure (without a test plug) at:

- Initial installation
- Whenever any seal subject to test pressure is broken
- · Following related repairs+
- At 30 day intervals

Pipe and blind rams shall be activated each trip.

A BOPE pit level drill will be conducted weekly for each drilling crew.

All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to close all rams and retain 200 psi above precharge pressure without the use of closing unit pumps.

Master controls will be at the accumulator.

3. Casing & Cementing Program:

A. The proposed casing program will be as follows:

TMD:	TVD	Hole - Size	Size	Grade	Weight	Thread	Condition
0'-250'	0-250'	12-1/4"	9-5/8"	H-40	32#	STC	New
0-4140'	0-2795'	8-3/4"	7"	K-55	23#	LTC	New
4090'-4475'	2745'-TD	6-1/4"	5-1/2"	K-55	15.5#	LTC	New

All casing strings below the conductor shall be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% minimum internal yield.

<u>Surface</u>: The bottom three joints of the surface casing will have a minimum of one centralizer per joint and one centralizer every joint thereafter (Total 5 centralizers estimated)

<u>7" Casing</u>: The bottom three joints of the 7" casing will have a minimum of one centralizer per joint and one centralizer every fifth joint thereafter to above Ojo Alamo with one turbolizer below and throughout the Ojo Alamo. (Total 12 centralizers, 3 turbolizers estimated).

B. The proposed casing and cementing program will be as follows:

Surface String:

9-5/8" Surface cemented in a 12-1/4" hole at 250'.

32.3# H-40 ST&C 8 Rnd Saw tooth guide shoe

Cemented with 200 sacks Class B mixed at 15.6 ppg w/.25 pps celloflake, 2% calcium chloride. Yield 1.19 ft³/sx, cement

designed to circulate to surface.

Production String:

7" Intermediate cemented in an 8-3/4" hole.

23# J-55 LT&C 8 Rnd

Float Collar

Joint

lead. Float Shoe

Cemet with 450 sacks Class B 50/50 POZ, 3% gel, 5# gilsonite. 1/4"# Flocele, .1% CFR 3, .2% Halad 344, yield 1.47 ft³/sx.

Cement designed to circulate to surface.

Pending hole conditions cement baskets may be installed above

TD. Also running taul: 100 sx, 1.18 ft sk, 15.4 ppg

Class B wladditives

5-1/2" Liner

Per Darrin Legrest

Lild 8

Liner:

15.5# J-55 LT&C 8 Rnd

Shoe

Not cemented

Actual volumes will be calculated and adjusted with caliper log prior to cementing.

4. DRILLING FLUIDS PROGRAM:

Total TIMD	TVD	Type	Weight (ppg)	Viscosity	βH	Water Loss	Rémarks
0-250'	0-250'	Spud	8.4-9.0	29-70	8.0	NC	FW gel
250'-4140'	250-2795'	LSND	8.4-9.0	29-70	8.0	10-12	LCM as needed
4140'-4475'	2795'-TD	Air					Foam as needed

NC = no control

Sufficient quantities of mud material will be maintained on site or be readily accessible for the purpose of assuring well control. Slow pump rates will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

5. EVALUATION PROGRAM:

Wire Line Logs: None