April 2004) UNITED STATE	£s JUL 1	. AA 10 5	1	FORM AP OMB No. 1 Expires Mar	004-0137	
DEPARTMENT OF THE	INTERIOR	,	_	 Lease Serial No. NM 03356 		
BUREAU OF LAND MA APPLICATION FOR PERMIT TO	6. If Indian, Allotee or Tribe Name					
la. Type of work: DRILL REEN	7 If Unit or CA Agreement, Name and No. Northeast Blanco Unit					
ib. Type of Well: Oil Well Gas Well Other	8. Lease Name and Well No. NEBU 231					
2. Name of Operator Devon Energy Production Company,	L.P.			9. API Well No.	- 3	3215
3a. Address PO Box 6459 Farmington, NM 87419	3b. Phone No. 505-63	(include area code) 2-0244		10. Field and Pool, or Exploratory S. Los Pinos Frt Snd Pictured Cliffs		
At surface SE NW, Unit F, 1,820' FNL & 2,9 At proposed prod. zone SE NW, Unit F, 1,430' FNL & 1,	575' FWL	ents.*)		11. Sec., T. R. M. or Blk Sec. 14, T31N, R		vey or Area
4. Distance in miles and direction from nearest town or post office* Approximately 10.7 miles				12. County or Parish San Juan		13. State NM
location to nearest				ing Unit dedicated to this well Acres NW/4		
Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed 3,534'	d Depth	20. BLM/I	BIA Bond No. on file		
1. Elevations (Show whether DF, KDB, RT, GL, etc.) GR 6,393'	22. Approxi	mate date work will sta 08/26/2005	rt*	23. Estimated duration Unknown		
	24. Attac					
the following, completed in accordance with the requirements of Ons Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Syste SUPO shall be filed with the appropriate Forest Service Office).		Bond to cover the ltem 20 above). Operator certification.	the operation	is form: ns unless covered by an experimental or plans as n	v	•
25. Signature		(Printed/Typed) Melisa Zimmermai	n		ate	 19-05
itle Senior Operations Technician) L		<u> </u>
Approved by (Signature)	Name	(Printed/Typed)	Tow.		Date	16/2
Title Tarana	Office		- 00	TVEAD		- 6/0

conduct operations thereon. Conditions of approval, if any, are attached.

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

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.

*(Instructions on page 2)

HOLD GIOG POR diretional Survey

MMOCD

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

District I PO Box 1980, Hobbs NM 88241-1980 District II PO Drawer KK, Artesia, NM 87211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410

PO Box 2088, Santa Fe, NM 87504-2088

API Number

District IV

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

² Pool Code

80690

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

S. Los Pinos Fat. Snd. Pictured Cliffs

			1	• -	1		,		-		
⁴ Property	Code				³ Property	Name					⁶ Well Number
1964	1	N	NEBU						Ì		# 231
, OGRID	i	* Operator Name							° Elevation		
4137		Devon Energy Production Company, L.P.						6393			
4,137	l)	nergy r			•				
	T		T		¹⁰ Surface I	·	r		r		
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			" Botte	om Hole	Location If	Different From	n Sur	face			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet	from the	East/West	line	County
F	14	31 N	7 W		1430	NORTH	1470		WEST		SAN JUAN
Dedicated Acre	<u> </u>	nt or Infill 14	Consolidation	Code 15	Order No,				1		
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(R) - BLM Record

Office		Mexico	Form C-103		
District 1	Energy, Minerals and	Natural Resources	March 4, 2004		
1625 N. French Dr., Hobbs, NM 88240			WELL API NO.		
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVAT	ION DIVISION	C. I. F. A. T. CI		
District III	1220 South St.	5. Indicate Type of Lease			
1000 Rio Brazos Rd., Aztec, NM 87410	STATE FEE 6. State Oil & Gas Lease No.				
District IV 1220 S. St. Francis Dr., Santa Fe, NM	Santa Fe, NI	VI 07505			
87505			NM 03356		
SUNDRY NOTIC	ES AND REPORTS ON WE	ELLS	7. Lease Name or Unit Agreement Name		
(DO NOT USE THIS FORM FOR PROPOSA					
DIFFERENT RESERVOIR. USE "APPLICATION OF A L S.)	ATION FOR PERMIT" (FORM C-1	01) FOR SUCH	NORTHEAST BLANCO UNIT		
PROPOSALS.) 1. Type of Well:			8. Well Number		
Oil Well Gas Well	Other		231		
			a company		
2. Name of Operator	* 1 G		9. OGRID Number		
	rgy Production Company, 1	L.P.	6137		
3. Address of Operator	77440		10. Pool name or Wildcat		
PO Box 6459, Navajo Dam, NM	37419		S. Los Pinos Frt. Snd. Pictured Cliffs		
4. Well Location					
Unit LetterF_:_1,82	0'feet from theNorth	line and2,575'fee	t from theWestline		
Section 14 Townsh		NMPM	County - SAN JUAN		
	11. Elevation (Show whether	r DR, RKB, RT, GR, etc	:.)		
	GR 6,393'		A STATE OF THE STA		
Pit or Below-grade Tank Application (For			···········		
Pit Location: UL_F_Sect_14_Twp_31	N Rng 7W Pit type Drilling	Depth to Groundwater_>	>100'_Distance from nearest fresh water well_>1000'_		
Distance from nearest surface water_>10	66'_ Below-grade Tank Location	ULSectTw	pRng;		
feet from theline and	•				
	' / To / T 1'				
12. Check A	ppropriate Box to Indica	te Nature of Notice	, Report or Other Data		
			, Report or Other Data BSEQUENT REPORT OF:		
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DEVON ENERGY PRODUCTION COMPANY, L.P. Nebu # 231 1820' F/NL 2575' F/WL Lat: 36°54'06" Long: 107°32'26" SEC. 14, T31N, R7W, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO В C ⑤ *F* 6 F 6' **PROPOSED** FLARE PIT **PROPOSED** RESERVE PIT Road Reclaymed Reserve Pit Field Existing Mud Tanks (4) ELEV. | 6393 Ĉ Right C O 150 LAYDOWN Existing Well Head 16, 2004 = 60' 30 30 EXISTING! PAD @C'0' 150 150 NOTES: Reserve Pit Dike - Should be 8' above Deep side (overflow - 3' wide & 1' above shallow side)
Flore Pit - Overflow pipe should be halfway between top and bottom and extend over plastic liner and into flore pit. -400'-CONSTRUCTION ZONE SCALE: I"=60'-HORIZ. I"=40'-VERT. Area of Construction Zone - 330'x400' or 3.03 acres, more or less. A-A' 6410 6400 NOTE: Contractor should 6390 call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction. 6380 B-B 6410 Cuts and fills shown are approximate - final finished elevation is to be adjusted so earthwork will balance. Corner 6400 6390 stakes are approximate and do not include additional areas needed for sideslopes and drainages. Final Pad Dimensions are to <u>6380</u> c-c. be verified by Contractor. 6410 6400 VANN SURVEYS 6390 P. O. Box 1306 Farmington, NM

PAD LAYOUT PLAN & PROFILE

NEBU 231 Unit F 14-31N-7W San Juan Co., NM

DRILLING PLAN

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

Formation	TVD (ft)	TMD (FT)	Hydrocarbon/Water Bearing Zones
San Jose	Surface	Surface	
Ojo Alamo	2236	2536	Aquifer
Kirtland	2367	2678	
Fruitland	2832	3151	Gas
Fruitland 1 st Coal	3000	3319	Gas
Pictured Cliffs Tongue	3186	3505	Gas
Pictured Cliffs	3291	3610	Gas
Lewis	3434	3753	
TD	3534	3854	

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 and 2000# BOP With Blind Rams 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. Anticipated bottom hole pressure is 1500 psi.

3. Casing & Cementing Program:

A. The proposed casing program will be as follows:

TVD	Hole Size	Size	Grade	Weight	Thread	Condition
0-285	12-1/4"	9-5/8"	H-40	32#	STC	New
0-TD	6-1/4"	4-1/2"	J-55	11.6#	LTC	New

7MD

The 9-5/8" surface pipe will be tested to 750 psi. All casing strings below the surface shoe 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>4-1/2" Casing</u>: The bottom three joints of the casing will have a minimum of one centralizer per joint and one centralizer every fifth joint thereafter to above Ojo Alamo with turbolizers below and throughout the Ojo Alamo. (Total 12 centralizers, 3 turbolizers estimated).

B. The proposed cementing program will be as follows:

Surface String: 9-5/8" Surface cemented in a 12-1/4" hole at 285'.

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

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

Designed to circulate to surface.

* Minor variations possible due to existing conditions

Production String: 4-1/2" Production casing cemented in an 6-1/4" hole

11.6# J-55 LT&C 8 Rnd

Float collar

Joint

Float Shoe

Lead: 500 sx 50/50 Poz, Yield-1.45 ft3/sx, Mixed @ 13ppg Foamed W/ N2 Down To 9.0# Additives 2% Gel, 0.2% Versaset,

0.1% Diacel Lwl. 2.18 fr / 8x when fourned

Tail: 75 sx 50/50 Poz, Yield-1.45 ft3/sx, 13 lb/gal, Additives 2%

Gel, 0.2% Versaset, 0.1% Diacel Lwl.

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

4. DRILLING FLUIDS PROGRAM:

TVD	Туре	Weight (ppg)	Viscosity	рН	Water Loss	Remarks
0-285'	Spud	8.4-9.0	29-70	8.0	NC	FW gel,
285-TD	LSND/Air	8.4-9.0	29-70	8.0	10-12	LCM 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. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

5. **EVALUATION PROGRAM:**

Wireline Logs:

None

Mud Logs: Possible mud logging in Fruitland Coal & Pictured Cliffs.

Survey:

Deviation surveys will be taken every 500' from 0-TD of 6-1/4" hole or first

succeeding bit change.

Cores:

None anticipated.

DST's:

None anticipated.

6. ABNORMAL CONDITIONS:

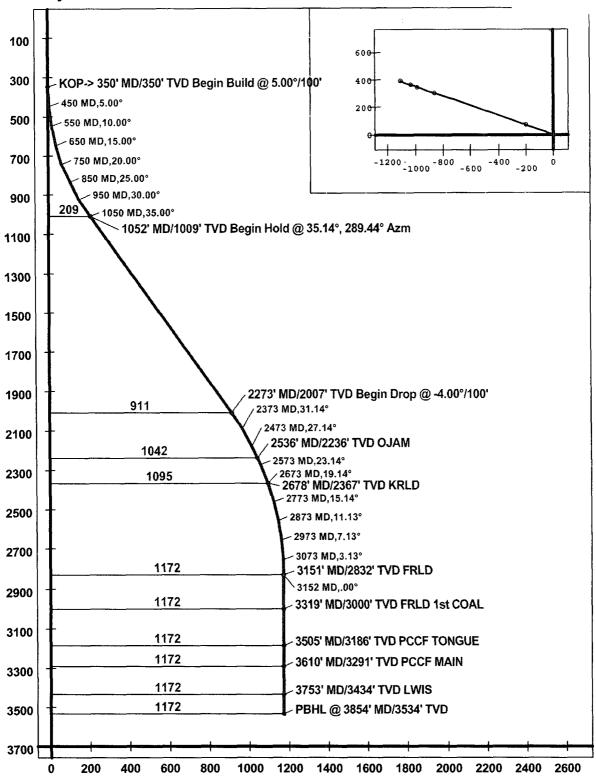
The Fruitland Coal will be encountered at approximately 3030' TMD. Estimated formation pressure is 300 psi. No other abnormal pressures and/or temperatures are expected. No hydrogen sulfide should be present.

7. OTHER INFORMATION:

^{*} Minor variations possible due to existing conditions

Company: Devon Energy Lease/Well: NEBU 231 Location: San Juan County State/Country: New Mexico





Well Control Equipment 2,000 psi Configuration

