Form 3160 - 3 (April 2004)			OMB No	APPROVED 5. 1004-0137	
UNITED STATES DEPARTMENT OF THE IN	2 19 114 1 1 1 1	19 R	Expires N 5. Lease Serial No. 1 SF 079082	March 31, 2007	
BUREAU OF LAND MANA APPLICATION FOR PERMIT TO D	GEMENT	ECEN	6. If Indian, Allotee	or Tribe Name	
la. Type of work: 🗸 DRILL 🔹 REENTER	7 If Unit of CA Agre Northeast Bla				
lb. Type of Well: Oil Well 🖌 Gas Well Other	Single Zone Multip	le Zone	8. Lease Name and V NEBU 41E	Well No.	
2. Name of Operator Devon Energy Production Company, L.P).		9. API Well No 30-049	5-33941	
3a. Address PO Box 6459 Farmington, NM 87419	b. Phone No. (include area code) 405-552-7917		10. Field and Pool, or Basin Dakota	Exploratory	
4. Location of Well (Report location clearly and in accordance with any At surface 1.360' FNL & 1,790' FEL, Unit G, SV				Bik. and Survey or Area	
At proposed prod. zone 2,170' FNL & 1,200' FEL, Unit H, SI	E NE		G Sec. 25, T31N	, Kō W	
14. Distance in miles and direction from nearest town or post office* Approximately 28.5 miles			12. County or Parish San Juan	13. State NM	
 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1,360' 	16. No. of acres in lease1022.45 Acres	17. Spacin 308 - 330 A		well 56780	
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Proposed Depth8,221' TMD	20. BLM/F	BIA Bond No. on file	OCT 2006	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) GR 6,400'	22. Approximate date work will star 11/16/2006	ť*	23. Estimated duration		
The following, completed in accordance with the requirements of Onshore	24. Attachments			Kess, Aller	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System L SUPO shall be filed with the appropriate Forest Service Office). 	Lands, the 5. Operator certific	ation specific info		n existing bond on file (see	
25. Signature	Name (Printed/Typed) Melisa Zimmerman			Date 7-18-06	
Title Senior Operations Technician				1 .	
Approved by Signature Manfielure	Name (Printed/Typed)			Date 6406	
Title AFM	Office FFO	<u></u>			
Application approval does not warrant or certify that the applicant holds conduct operations thereon. Conditions of approval, if any, are attached.	legal or equitable title to those righ	ts in the sub	ject lease which would	entitle the applicant to	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cri States any false, fictitious or fraudulent statements or representations as to	ime for any person knowingly and voor any matter within its jurisdiction.	willfully to n	nake to any department	or agency of the United	
*(Instructions on page 2) HOLD C104 FORC This action is subject to technical and proceedural review pursuant to 43 CFR 316 and appear pursuant to 43 CFR 3165.4	SUBJECT TO	COMPLIA	NCE WITH ATTACH		
	\bigvee				
	NMOCD				
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District I PO Box 1980, Hol District II PO Drawer KK, A District III 1000 Rio Brazos F District IV PO Box 2088, Sar Box 2088, Sar Control Control Control Control PO Box 2088, Sar	Arresia, NM 8 Rd., Aztec, N Ma Fc, NM 8 PAPI Number 65 - 3 Code	87211-0719 IM 87410 17504-2088 WE 3941		OIL C Sa	ONSERVA PO Boz anta Fe, NM AND ACR	Resources Department TION DIVISIC x 2088	DN s 2005 SEP 1 RE ATIONPL	ubmit to A 9 AM [In Sta 101 AM	Form C-102 February 21, 1994 Instructions on back riate District Office te Lease - 4 Copies be Lease - 3 Copies DENDED REPORT
· OORID		D	evon E	Energy P		Company, L.P	•			Elevation 6400
					¹⁰ Surface L	Location				
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	line	County
G	25	31 N	8 W		1360	NORTH	1790	EA	ST	SAN JUAN
L	**************************************	*******	" Bott	om Hole	Location If	Different Fron	n Surface	- 1		
' UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	t line	County
н	25	31 N	8 W		2170	NORTH	1200	EA	ST	SAN JUAN
Dedicated Acre 30 8.6 E. /2 NO ALLON	5	WILL BE A		ED TO THI		ON UNTIL ALL I EEN APPROVED			EN CC	DNSOLIDATED
16 2176(R)				25 522 R)		2170'	I hereby of true and of Signature Market Mar	S. S	e informa best of ZIIM ČIGIL IS, CER e well loc obles of ac n. and the Ftg: F Der 7, Profession VA	April 18, 2005 2004 mal Surveyor

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Office	State of New Mer			Form C-103
District I 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natur	ral Resources	WELL API NO. 30-0	March 4, 2004
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION	1.5	. Indicate Type of Le	142-32741
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Fran		<u>1 OSTATE</u>	FEE
District IV	Santa Fe, NM 87	503 001 10 16	. State Oil & Gas Lea	
1220 S. St. Francis Dr., Santa Fe, NM 87505			SF 079082	
SUNDRY NOTIC	ES AND REPORTS ON WELLS	070 FARMING	Lease Name or Uni	t Agreement Name
DIFFERENT RESERVOIR. USE "APPLICA		D SUCII	NORTHEAST BLAN	COUNIT
PROPOSALS.) 1. Type of Well:	8	8. Well Number		
Öil Well 🔲 Gas Well 🛛 🤇	Other	4	1E	
2. Name of Operator Devon Ener	rgy Production Company, L.P.		0. OGRID Number 5137	
3. Address of Operator			0. Pool name or Wild	lcat
PO Box 6459, Navajo Dam, NM 8	57419	I	Basin Dakota	
4. Well Location				
Unit Letter G_: 1,360	feet from theNorth line	e and1,790fee	t from theEast	line
Section 25 Township			County - SAN JUAN	
· · · · · · · · · · · · · · · · · · ·	11. Elevation (Show whether DR, GR 6,400'	RKB, RT, GR, etc.)		
Pit or Below-grade Tank Application (For p		C-144 must be attached)		7200
Pit Location: UL_G_Sect_25_Twp_31N_	Rng8W Pit typeDrillingDept	th to Groundwater_>100'	Distance from nearest fr	esh water well 21000'_
Distance from nearest surface water_>100	00'_ Below-grade Tank Location UL	SectTwp	Rng;	
feet from theline and	feet from theline			
NOTICE OF INT	-	SUBSI	EQUENT REPOR	
_			_	
_	PLUG AND ABANDON	REMEDIAL WORK COMMENCE DRILL CASING TEST AND		
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILL CASING TEST AND CEMENT JOB		
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TEMPORARILY ABANDON PULL OR ALTER CASING OTHER: CONSTRUCT DRILLING F 13. Describe proposed or completion or recompletion. 14. Devon Energy will be of the second se	CHANGE PLANS	COMMENCE DRILL CASING TEST AND CEMENT JOB OTHER: pertinent details, and g le Completions: Attac g pit. The closure	ING OPNS. PLL ABA	ERING CASING
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NEBU 41E Unit G 25-31N-8W San Juan Co., NM

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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	2383	2218	Aquifer
Kirtland	2496	2322	
Fruitland	3072	2872	Gas
Pictured Cliffs Main	3531	3328	Gas
Lewis	3619	3416	Gas
Intermediate TD	3719	3516	
Huefanito Bentonite	4304	4101	Gas
Chacra / Otera	4670	4467	Gas
Cliff House	5465	5262	Gas
Menefee	5517	5314	Gas
Point Lookout	5815	5612	Gas
Mancos	6206	6003	Gas
Gallup	7152	6949	Gas
Greenhorn	7842	7639	
Graneros	7891	7688	Gas
Dakota	8014	7811	Gas
Paguate	8024	7821	
Cubero	8055	7852	
Oak Canyon	8110	7907	
Encinal Canyon	8127	7924	
	8171	7968	

Lower Encinal Canyon			
TD	8221	8018	

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

2. PRESSURE CONTROL EQUIPMENT:

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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 3400 psi.

3. CASING & CEMENTING PROGRAM:

A. The proposed casing program will be as follows:

TMD	TVD	Hole Size	Size	Grade	Weight	Thread	Condition
0-285'	0-285'	12- 1/4"	9-5/8"	H-40	32#	STC	New
0-3719	0-3516'	8-3/4"	7"	K-55	23#	LTC	New
0- TD	0- TD	6-1/4"	4 -1/2"	J-55	11.6 #	LTC	New

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.

Surface: 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)

Intermediate: 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 turbolizers below and throughout the Ojo Alamo. (Total 12 centralizers, 3 turbolizers estimated)

Production: The bottom three joints will have a minimum of one centralizer per joint and one centralizer every fifth joint to 3500' (estimated 25 centralizers used). Centralizers will be open bow spring or basket bow spring type.

B. The proposed cementing program will be as follows:

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Surface String:	Cement will be circulated to surface.
	Lead: 200 sx Class "B" with 100% Standard Cement, 2.00% CaCl2, .25 #/sx Flocele. Density: 15.6 lb/gal; Yield: 1.18 cuft/sx; Water: 5.24 gal/sx
1	* Minor variations possible due to existing conditions
Intermediate String:	Cement will be circulated to surface.
	Lead: 500 sx 50/50 Poz, Yd-1.45, Water Gal/sx 6.8, Mixed @ 13ppg Foamed W/ N2 Down To 9.0# Additives 2% Gel, 0.2% Versaset, 0.1% Diacel Lwl. Tail: 75 sx 50/50 Poz, Yd-1.45, Water Gal/Sk 6.8, Additives 2%
	Gei, 0.2% Versaset, 0.1% Diacei Lwi
:	* Minor variations possible due to existing conditions
	If hole conditions dictate, an alternate, cement design will be used:
	Lead: 575 sx 50/50 Poz with 50% Class B Cement, 50% San Juan Poz, .4% Halad-344, .1% CFR-3, 3% Bentonite, 5#/sx Gilsonite, .25#/sx Flocele. Density: 13.0 lb/gal; Yield: 1.46 cuft/sx; Water: 6.42 gal/sx
	Tail: 75 sx 50/50 Poz with 94#/sx Standard Cement, 0.3% Halad-344, .25 #/sx Flocele. Density: 15.6 lb/gal; Yield: 1.18 cuft/sx; Water: 5.23 gal/sx
	* Minor variations possible due to existing conditions
Production String:	TOC designed to circulate 1000' into intermediate string, cement will tie into the intermediate casing as a minimum. Volumes may vary with actual well characteristics.
	Lead: 250 sx 50/50 Poz with 2% Gel, 0.2% Halad, 0.1% CFR-3, 5 #/sx Gilsonite, 0.25 #/sx Flocele. Mixed at 13 ppg, 1.47 ft 3/sx foamed to 9 ppg, 2.18 ft 3/sx.
:	Tail: 450 sx 50/50 Poz with 50% Standard Cement, 50% San Juan Poz, 3% Bentonite, 1.40% Halad-9, .10% CFR-3, .10% HR- 5, 5 #/sx Gilsonite, 0.25 #/sx Flocele. Density: 13.0 lb/gal; Yield: 1.47 cuft/sx; Water: 6.35 gal/sx *
	* Minor variations possible due to existing conditions

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

4. DRILLING FLUIDS PROGRAM:

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TMD Interval	TVD Interval	Туре	Weight (ppg)	Viscosity	рН	Water Loss	Remarks
0-285'	0-285'	Spud- foam	8.4-9.0	29-70	8.0	NC	FW gel, LSND or stiff foam
285'-3,719'	285'-3,516'	Air				NC	
3,719' - TD	3,516' - TD	Air/N2 or Mud	8.5-9.0*	30-50	8.0-10.0	8-810cc @ TD	Low solids- non-dispersed. * min Wt. to control formation pressure

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:

Logs: Density Neutron Induction

In the event open hole logs are not run in the well, a cased hole evaluation log will Be run.

Survey: Deviation surveys will be taken every 500' from 0-TD or first succeeding bit change. The hole will be air drilled from intermediate casing point to TD. The equipment used in this type of operation will not allow for single shot surveys without considerable operational delays. A survey will be taken at TD. Similar wells in this area have not shown significant deviation in this section of the hole.

Cores: None anticipated.

DST's: None anticipated.

6. ABNORMAL CONDITIONS:

The Fruitland Coal will be encountered in the 8-3/4" hole. Estimated formation pressure is 300 psi. No other abnormal pressures and/or temperatures are expected. No hydrogen

Company: Devon Energy Lease/Well: NEBU 41 E Location: San Juan County State/Country: NM



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Well Control Equipment 2,000 psi Configuration

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All well control equipment designed to meet or exceed the Onshore Oil and Gas Order No. 2, BLM 43 CTR 3160 requirements for 2M systems.