

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires: July 31, 1996

5. Lease Serial No. **2003 JUN 20 SF 078988**
6. If Indian, Allottee, or Tribe Name
7. If Unit or CA Agreement Designation **070 Farmington, NM**

SUBMIT IN TRIPLICATE- Other Instructions on the reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Devon Energy Production Co., L.P. Attn: Diane Busch

3a. Address

20 N. Broadway Oklahoma City, OK 73102

3b. Phone No. (include area code)

(405) 228-4362

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2000' FNL & 75' FEL SE 1/4, NE 1/4, Sec. 19, T 31N R. 6W

Latitude

Longitude

NORTHEAST BLANCO UNIT

8. Well Name and No.

NEBU 61A

9. API Well No.

30-045-31272

10. Field and Pool, or Exploratory Area

Blanco Mesaverde Basin Dakota

11. County or Parish, State

San Juan

NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|---|--|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/ Resume) | ☐ Water Shut-off |
| ☐ Altering Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other Chg. Approved APD |
| ☐ Change Plans | ☐ Plug and abandon | ☐ Temporarily Abandon | to Directional Well |
| ☐ Convert to Injection | ☐ Plug back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**We are requesting to change the above referenced vertical, approved APD'd well to a directional well.
The BHL is Lot P, Section 19-31N-6W, 660' FSL & 660' FEL, San Juan Co., New Mexico**

Please find the attached Drilling Program changes per this request.

HOLD C104 FOR directional survey



14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed)

Diane Busch

Title

Sr. Operations Technician

Signature

Diane Busch

Date

6-18-03

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Jim Lovato

Title

Date

JUN 27 2003

Conditions of approval, if any are attached. Approval of this notice does not warrant Office certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make 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 reverse)

NMOC

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-31272	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA
⁴ Property Code 19641	⁵ Property Name NEBU	⁶ Well Number # 61A
⁷ OGRID No. 6137	⁸ Operator Name Devon Energy Production Company, L.P.	⁹ Elevation 6386

¹⁰ Surface Location

UL or Lot No. H	Section 19	Township 31 N	Range 6 W	Lot Idn	Feet from the 2000	North/South line NORTH	Feet from the 75	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

⁷ UL or lot no. P	Section 19	Township 31 N	Range 6 W	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 660	East/West line EAST	County SAN JUAN
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

16	5280(R)	5285(R)	19	Azimuth - 192°36' 2686'	Bottom Hole Location 660' F/SL 660' F/EL	75'	2000'	5280(R)	5271(R)	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature DIANE BUSCH Printed Name SR-OPERATIONS TECH Title 6-18-03 Date
										¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Revised: March 31, 2003 September 16, 2002 Date of Survey Signature and Seal of Professional Surveyor GARY D. VANN NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 7016 Certificate Number

**NEBU 61A
Unit H 19-31N-6W
San Juan Co., NM**

DRILLING PLAN

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

Formation	TMD	TVD	Hydrocarbon/Water Bearing Zones
San Jose		Surface	
Ojo Alamo	2928'	2340	Aquifer
Kirtland	3128'	2460	
Fruitland	3759'	2905	Gas
Pictured Cliffs	4161'	3235	Gas
Lewis	4378'	3425	Gas
Intermediate TD	4543'	3575	
Huerfanito bentonite	5121'	4125	
Massive Cliff House	6324'	5325	Gas
Menefee	6369'	5370	Gas
Massive Point Lookout	6604'	5605	Gas
Mancos	6979'	5980	Gas
Gallup	7944'	6945	Gas
Greenhorn	8659'	7660	
Graneros	8709'	7710	
Dakota	8844'	7845	Gas
TD	9099	8100	

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

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 pre-charge 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:

	Depth	Hole Size	Size	Grade	Weight	Thread	Condition
0-250'	0-250'	12-1/4"	9-5/8"	H-40	32#	STC	New
0-4543'	0-3575'	8-3/4"	7"	K-55	23#	LTC	New
0-TD	0-TD	6-1/4"	4-1/2"	K-55	11.6 #	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.

The bottom three joints of the surface casing will have a minimum of one centralizer per joint and one centralizer every fourth joint thereafter.

B. The proposed cementing program will be as follows:

Surface String: Cement will be circulated to surface.

Lead: 200 sks Class "B" with additives mixed at 15.6 ppg, 1.19 ft³/sks.

Intermediate String: Cement will be circulated to surface.

Lead: 575 sks 50/50 Poz with additives mixed at 13.0 ppg, 1.44 ft³/sks prior to foaming, 9 ppg, 2.18 ft³/sks after foaming.

Tail: 75 sks 50/50 Poz with additives mixed at 13.0 ppg, 1.44 ft³/sks.

If hole conditions dictate, an alternate, two stage cement design will be used. Stage 1: 85 sacks Class B 50/50 POZ, 3% Gel, 5# Gilsonite, ¼# Flocele, 1/10% CFR 3, .2% Halad 344, Yield 1.47 ft³/sks. Stage 2: 450 sacks Class B 50/50 POZ, 3% Gel, 5# Gilsonite, ¼# Flocele, .1% CFR 3, .2% Halad 344, Yield 1.47 ft³/sks. Cement designed to circulate to surface.

Production String: TOC designed to circulate to surface, cement will tie into the intermediate casing as a minimum. Volumes may vary with actual well characteristics.

Lead: 500 sks 50/50 Poz with additives mixed at 13.0 ppg, 1.47 ft³/sks.

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

4. DRILLING FLUIDS PROGRAM:

	Interval	Type	Weight (ppg)	Viscosity	pH	Water Loss	Remarks
0-4543'	0-3575'	Spud-foam	8.4-9.0	29-70	8.0	NC	FW gel, LSND or stiff foam
4543'-8709'	3575'-7710'	Air				NC	
8709-TD	7710'-TD	Mud	8.5-9.0*	30-50	8.0-10.0	8-10cc @ TD	Low solids – nondispersed. * 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.



Job Number:
 Company: Devon Energy Prod. Co
 Lease/Well: NEBU #61A
 Location: San Juan County, Sec 19-31N-8W
 Rig Name:
 RKB:
 G.L. or M.S.L.:

State/Country: New Mexico / USA
 Declination:
 Grid:
 File name: C:\CUST03\SURVEY\DEVON\NEBU61A.SVY
 Date/Time: 14-Apr-03 / 10:12
 Curve Name: Proposal

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 192.59
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
KOP @ 310'TVD, Begin Build @ 3.00°/100'									
310.00	.00	.00	310.00	.00	.00	.00	.00	.00	.00
410.00	3.00	192.59	409.95	2.62	-2.55	-.57	2.62	192.59	3.00
510.00	6.00	192.59	509.63	10.46	-10.21	-2.28	10.46	192.59	3.00
610.00	9.00	192.59	608.77	23.51	-22.95	-5.12	23.51	192.59	3.00
710.00	12.00	192.59	707.08	41.73	-40.73	-9.09	41.73	192.59	3.00
810.00	15.00	192.59	804.31	65.08	-63.51	-14.18	65.08	192.59	3.00
910.00	18.00	192.59	900.18	93.48	-91.23	-20.37	93.48	192.59	3.00
1010.00	21.00	192.59	994.43	126.85	-123.80	-27.64	126.85	192.59	3.00
1110.00	24.00	192.59	1086.81	165.12	-161.15	-35.98	165.12	192.59	3.00
1210.00	27.00	192.59	1177.06	208.16	-203.16	-45.36	208.16	192.59	3.00
1310.00	30.00	192.59	1264.93	255.87	-249.72	-55.76	255.87	192.59	3.00
1410.00	33.00	192.59	1350.18	308.12	-300.71	-67.14	308.12	192.59	3.00
1510.00	36.00	192.59	1432.59	364.75	-355.98	-79.49	364.75	192.59	3.00
1610.00	39.00	192.59	1511.91	425.62	-415.39	-92.75	425.62	192.59	3.00
1710.00	42.00	192.59	1587.95	490.56	-478.77	-106.90	490.56	192.59	3.00
1810.00	45.00	192.59	1660.47	559.38	-545.94	-121.90	559.38	192.59	3.00
1910.00	48.00	192.59	1729.30	631.91	-616.73	-137.70	631.91	192.59	3.00
2010.00	51.00	192.59	1794.24	707.95	-690.93	-154.27	707.95	192.59	3.00
2098'MD/1848'TVD, Begin Hold @ 53.65°Inc, 192.59°Az									
2098.41	53.65	192.59	1848.27	777.92	-759.22	-169.52	777.92	192.59	3.00
3016'MD/2392'TVD, Begin Drop @ -2.00°/100'									
3016.83	53.65	192.59	2392.60	1517.64	-1481.17	-330.72	1517.64	192.59	.00
3116.83	51.65	192.59	2453.26	1597.13	-1558.75	-348.04	1597.13	192.59	2.00
3216.83	49.65	192.59	2516.66	1674.46	-1634.22	-364.89	1674.46	192.59	2.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
3316.83	47.65	192.59	2582.72	1749.53	-1707.48	-381.25	1749.53	192.59	2.00
3416.83	45.65	192.59	2651.36	1822.25	-1778.45	-397.10	1822.25	192.59	2.00
3516.83	43.65	192.59	2722.49	1892.52	-1847.04	-412.41	1892.52	192.59	2.00
3616.83	41.65	192.59	2796.04	1960.27	-1913.16	-427.18	1960.27	192.59	2.00
3716.83	39.65	192.59	2871.90	2025.42	-1976.74	-441.37	2025.42	192.59	2.00
3816.83	37.65	192.59	2949.99	2087.87	-2037.70	-454.98	2087.87	192.59	2.00
3916.83	35.65	192.59	3030.21	2147.57	-2095.95	-467.99	2147.57	192.59	2.00
4016.83	33.65	192.59	3112.47	2204.42	-2151.44	-480.38	2204.42	192.59	2.00
4116.83	31.65	192.59	3196.66	2258.37	-2204.10	-492.14	2258.37	192.59	2.00
4216.83	29.65	192.59	3282.69	2309.35	-2253.85	-503.25	2309.35	192.59	2.00
4316.83	27.65	192.59	3370.44	2357.30	-2300.65	-513.69	2357.30	192.59	2.00
4416.83	25.65	192.59	3459.81	2402.16	-2344.43	-523.47	2402.16	192.59	2.00
4516.83	23.65	192.59	3550.69	2443.86	-2385.13	-532.56	2443.86	192.59	2.00
Set 7" Casing @ 4543'MD/3575'TVD									
4543.31	23.12	192.59	3575.00	2454.38	-2395.39	-534.85	2454.38	192.59	2.00
4616.83	21.65	192.59	3642.97	2482.38	-2422.72	-540.95	2482.38	192.59	2.00
4716.83	19.65	192.59	3736.54	2517.64	-2457.14	-548.64	2517.64	192.59	2.00
4816.83	17.65	192.59	3831.28	2549.63	-2488.35	-555.61	2549.63	192.59	2.00
4916.83	15.65	192.59	3927.08	2578.28	-2516.32	-561.85	2578.28	192.59	2.00
5016.83	13.65	192.59	4023.83	2603.57	-2541.00	-567.36	2603.57	192.59	2.00
5116.83	11.65	192.59	4121.39	2625.48	-2562.38	-572.13	2625.48	192.59	2.00
5216.83	9.65	192.59	4219.66	2643.96	-2580.42	-576.16	2643.96	192.59	2.00
5316.83	7.65	192.59	4318.52	2659.00	-2595.10	-579.44	2659.00	192.59	2.00
5416.83	5.65	192.59	4417.84	2670.59	-2606.41	-581.96	2670.59	192.59	2.00
5516.83	3.65	192.59	4517.51	2678.70	-2614.32	-583.73	2678.70	192.59	2.00
5616.83	1.65	192.59	4617.40	2683.32	-2618.84	-584.74	2683.32	192.59	2.00
5699'MD/4700'TVD, Begin Vertical Hold									
5699.44	.00	192.59	4700.00	2684.52	-2620.00	-585.00	2684.52	192.59	2.00
Massive Cliff House @ 6324'MD/5325'TVD									
6324.44	.00	192.59	5325.00	2684.52	-2620.00	-585.00	2684.52	192.59	.00
6699.44	.00	192.59	5700.00	2684.52	-2620.00	-585.00	2684.52	192.59	.00
7699.44	.00	192.59	6700.00	2684.52	-2620.00	-585.00	2684.52	192.59	.00
8699.44	.00	192.59	7700.00	2684.52	-2620.00	-585.00	2684.52	192.59	.00
PBHL @ 9099'MD/8100'TVD									
9099.44	.00	192.59	8100.00	2684.52	-2620.00	-585.00	2684.52	192.59	.00