

Form 3160-5
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007**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.***SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Devon Energy Production Company, L.P.

3a. Address

PO Box 6459, Navajo Dam, NM 87419

3b. Phone No. (include area code)

405-552-7917

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

SL: 840' FNL & 1,380' FEL, NW NE, Unit B, Sec. 20, T30N- R7W
BHL: 1,225' FNL & 1,650' FEL, NW NE, Unit B, Sec. 20, T30N- R7W

5. Lease Serial No.

SF 079060

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

Northeast Blanco Unit

8. Well Name and No.

NEBU 19M

9. API Well No.

30-039-30150

10. Field and Pool, or Exploratory Area

Basin Dakota/La Jara PC

11. County or Parish, State

Rio Arriba, NM

12. CHECK APPROPRIATE BOX(ES) 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
-
- ☐
- Alter Casing
- ☐
- Fracture Treat
- ☐
- Reclamation
- ☐
- Well Integrity
-
- ☐
- Casing Repair
- ☐
- New Construction
- ☐
- Recomplete
- ☒
- Other Bottom Hole
-
- ☐
- Change Plans
- ☐
- Plug and Abandon
- ☐
- Temporarily Abandon
- ☐
- Location Change
-
- ☐
- 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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices 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.)

Devon Energy Production Company, L.P. gives notification of well depth change. Attached is a copy of the new Survey, Plot, and Drilling Plan. The original C-102 has not changed and is not included.

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

Melisa Castro

Title Senior Staff Operations Technician

Signature

Date

February 7, 2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy L. Salvers

Title

P.E.

Date

2/22/2007

Conditions of approval, if any, are attached. Approval of this notice 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 to conduct operations thereon.

Office

FEO

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)

NMOCD

B

NEBU 19M
Unit B 20-30N-7W
San Juan 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	2278	2244	Aquifer
Kirtland	2385	2349	
Fruitland	2807	2766	Gas
Fruitland 1 st Coal	3035	2993	Gas
Pictured Cliffs Tongue	3306	3263	Gas
Pictured Cliffs Main	3307	3264	Gas
Lewis	3391	3348	Gas
Intermediate TD	3491	3448	
Huefanito Bentonite	3985	3942	Gas
Chacra / Otera	4352	4309	Gas
Cliff House	4850	4807	Gas
Menefee	5195	5152	Gas
Point Lookout	5508	5465	Gas
Mancos	5883	5840	Gas
Gallup	6825	6782	Gas
Greenhorn	7495	7452	
Graneros	7566	7523	Gas
Dakota	7697	7654	
Cubero	7720	7677	
Oak Canyon	7784	7741	
Encinal Canyon	7809	7766	

Lower Encinal Canyon	7839	7839	
Burro Canyon	7879	7836	
Morrison	7919	7876	
TD	8295	8252	

*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, with a size of 2", 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 pre-close 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
0-3491	0-3448	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:

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

* **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% Gel, 0.2% Versaset, 0.1% Diacel Lwl.

* **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:

TMD Interval	TVD Interval	Type	Weight (ppg)	Viscosity	pH	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'-3,491'	285'-3,448'	Air				NC	
3,491' - TD	3,448' - 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

sulfide should be present.

7. OTHER INFORMATION:

The anticipated starting date and duration of the operation will be as follows:

Starting Date:	Upon Approval
Duration:	20 days

If the well is completed as a dry hole or as a producer, Well Completion or Recompletion Report and Log (Form 3160-4) will be submitted within 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3160. Copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, daily drilling reports, daily completion reports, and all other surveys or data obtained and compiled during the drilling, completion, and/or workover operations, will be submitted directly to the Authorized Officer or filed with Form 3160-4.



Job Number: ☐
 Company: Devon Energy
 Lease/Well: NEBU 19 M
 Location: Rio Arriba County
 Rig Name: ☐
 RKB: ☐
 G.L. or M.S.L.: 6388'

State/Country: TX
 Declination: ☐
 Grid: ☐
 File name: C:\DATA\CUST06\SURVEYS\DEVON\NEBU19M.SVY
 Date/Time: 05-Feb-07 / 12:24
 Curve Name: Proposal 11.14.06

Inwell Inc.

WINSERVE PROPOSAL REPORT
 Minimum Curvature Method
 Vertical Section Plane 215.05
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
KOP>350' MD/350' TVD Begin Build @ 2.00/100'									
350.00	.00	.00	350.00	.00	.00	.00	.00	.00	.00
450.00	2.00	215.05	449.98	-1.43	-1.00	1.75	1.75	215.05	2.00
550.00	4.00	215.05	549.84	-5.71	-4.01	6.98	6.98	215.05	2.00
650.00	6.00	215.05	649.45	-12.85	-9.01	15.69	15.69	215.05	2.00
750.00	8.00	215.05	748.70	-22.82	-16.01	27.88	27.88	215.05	2.00
850.00	10.00	215.05	847.47	-35.63	-24.99	43.52	43.52	215.05	2.00
950.00	12.00	215.05	945.62	-51.25	-35.95	62.60	62.60	215.05	2.00
957' MD/952' TVD Begin Hold @ 12.15°/215.05° Azm									
957.38	12.15	215.05	952.84	-52.51	-36.84	64.15	64.15	215.05	2.00
1957.38	12.15	215.05	1930.45	-224.78	-157.69	274.58	274.58	215.05	.00
2276' MD/2242' TVD Begin Drop @ -1.00/100'									
2276.63	12.15	215.05	2242.55	-279.78	-196.27	341.76	341.76	215.05	.00
Ojo Alamo @ 2278' MD/2244' TVD									
2278.11	12.13	215.05	2244.00	-280.04	-196.45	342.07	342.07	215.05	1.00
2376.63	11.15	215.05	2340.48	-296.31	-207.86	361.94	361.94	215.05	1.00
KRLD @ 2385' MD/2349' TVD									
2385.30	11.06	215.05	2349.00	-297.67	-208.82	363.62	363.62	215.05	1.00
2476.63	10.15	215.05	2438.76	-311.43	-218.47	380.42	380.42	215.05	1.00
2576.63	9.15	215.05	2537.35	-325.15	-228.10	397.18	397.18	215.05	1.00
2676.63	8.15	215.05	2636.21	-337.46	-236.73	412.21	412.21	215.05	1.00
2776.63	7.15	215.05	2735.32	-348.35	-244.37	425.52	425.52	215.05	1.00
FRLD @ 2807' MD/2766' TVD									
2807.54	6.84	215.05	2766.00	-351.43	-246.53	429.28	429.28	215.05	1.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
2876.63	6.15	215.05	2834.65	-357.82	-251.02	437.09	437.09	215.05	1.00
2976.63	5.14	215.05	2934.16	-365.88	-256.66	446.92	446.92	215.05	1.00
1st FRLD @ 3035' MD/2993' TVD									
3035.68	4.55	215.05	2993.00	-369.96	-259.53	451.92	451.92	215.05	1.00
3076.63	4.14	215.05	3033.83	-372.50	-261.32	455.02	455.02	215.05	1.00
3176.63	3.14	215.05	3133.63	-377.71	-264.97	461.38	461.38	215.05	1.00
3276.63	2.14	215.05	3233.52	-381.48	-267.61	465.99	465.99	215.05	1.00
Upper PC Tongue @ 3306' MD/3263' TVD									
3306.12	1.85	215.05	3263.00	-382.33	-268.20	467.02	467.02	215.05	1.00
Pictured Cliffs @ 3307' MD/3264' TVD									
3307.12	1.84	215.05	3264.00	-382.35	-268.22	467.05	467.05	215.05	1.00
3376.63	1.14	215.05	3333.48	-383.83	-269.26	468.86	468.86	215.05	1.00
Lwis @ 3391' MD/3348' TVD									
3391.15	1.00	215.05	3348.00	-384.05	-269.42	469.13	469.13	215.05	1.00
3476.63	.14	215.05	3433.47	-384.75	-269.91	469.98	469.98	215.05	1.00
3491' MD/3448' TVD Begin Hold @ .00°;215.05° Azm									
3491.16	.00	215.05	3448.00	-384.77	-269.92	470.00	470.00	215.05	.97
Mesaverde @ 3985' MD/3942' TVD									
3985.16	.00	215.05	3942.00	-384.78	-269.93	470.02	470.02	215.05	.00
Chacra / Otero @ 4352' MD/4309' TVD									
4352.16	.00	215.05	4309.00	-384.79	-269.94	470.04	470.04	215.05	.00
4491.16	.00	215.05	4448.00	-384.80	-269.94	470.04	470.04	215.05	.00
Cliff House @ 4850' MD/4807' TVD									
4850.16	.00	215.05	4807.00	-384.81	-269.95	470.06	470.06	215.05	.00
Menefee @ 5195' MD/5152' TVD									
5195.16	.00	215.05	5152.00	-384.82	-269.96	470.07	470.07	215.05	.00
5491.16	.00	215.05	5448.00	-384.83	-269.96	470.08	470.08	215.05	.00
Point Lookout @ 5508' MD/5465' TVD									
5508.16	.00	215.05	5465.00	-384.83	-269.96	470.08	470.08	215.05	.00
Mancos @ 5883' MD/5840' TVD									
5883.16	.00	215.05	5840.00	-384.85	-269.97	470.10	470.10	215.05	.00
6491.16	.00	215.05	6448.00	-384.87	-269.99	470.12	470.12	215.05	.00
Gallup @ 6825' MD/6782' TVD									
6825.16	.00	215.05	6782.00	-384.88	-269.99	470.13	470.13	215.05	.00
7491.16	.00	215.05	7448.00	-384.90	-270.01	470.16	470.16	215.05	.00
Greenhorn @ 7495' MD/7452' TVD									
7495.16	.00	215.05	7452.00	-384.90	-270.01	470.16	470.16	215.05	.01
Graneros @ 7566' MD/7523' TVD									
7566.16	.00	215.05	7523.00	-384.90	-270.01	470.16	470.16	215.05	.00
Dakota @ 7697' MD/7654' TVD									
7697.16	.00	215.05	7654.00	-384.91	-270.01	470.17	470.17	215.05	.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
Cubero @ 7720' MD/7677' TVD									
7720.16	.00	215.05	7677.00	-384.91	-270.02	470.17	470.17	215.05	.00
Lower Cubero @ 7754' MD/7711' TVD									
7754.16	.00	215.05	7711.00	-384.91	-270.02	470.17	470.17	215.05	.00
Oak Canyon @ 7784' MD/7741' TVD									
7784.16	.00	215.05	7741.00	-384.91	-270.02	470.17	470.17	215.05	.00
Encinal Canyon @ 7809' MD/7766' TVD									
7809.16	.00	215.05	7766.00	-384.91	-270.02	470.17	470.17	215.05	.00
Lower Encinal Canyon @ 7839' MD/7796' TVD									
7839.16	.00	215.05	7796.00	-384.91	-270.02	470.18	470.18	215.05	.00
Burro Canyon @ 7879' MD/7836' TVD									
7879.16	.00	215.05	7836.00	-384.91	-270.02	470.18	470.18	215.05	.00
Morrison @ 7919' MD/7876' TVD									
7919.16	.00	215.05	7876.00	-384.91	-270.02	470.18	470.18	215.05	.00
PBHL @ 8295' MD/8252' TVD									
8295.16	.00	215.05	8252.00	-384.93	-270.03	470.19	470.19	215.05	.00

Company: Devon Energy
 Lease/Well: NEBU 19 M
 Location: Rio Arriba County
 State/Country: TX

