

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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 the reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

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

3a. Address

3b. Phone No. (include area code)

20 N. Broadway Oklahoma City, OK 73102

(405) 228-4362

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

385 FNL & 1255 FWL NW/4, NW/4, Sec. 20 T 31N R. 6W

Latitude

Longitude

5. Lease Serial No.

SF-078988

6. If Indian, Allottee, or Tribe Name

7. If Unit or CA. Agreement Designation

NORTHEAST BLANCO UNIT

8. Well Name and No.

NEBU 327

9. API Well No.

30-045-31291

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	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Change to
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	directional well
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> 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 or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required susequet reports shqll be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in anew interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

We wish to change this approved APD well from a vertical to a directional well.
Please see attached new plat and documentation for changes.

HOLD C104 FOR Directional Survey



RECEIVED
JUN 2003
070 Farmington, NM

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

Diane Busch

Title

Sr. Operations Technician

Signature

Diane Busch

Date

5-6-03

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Chip Harraden

Title

Date

JUN - 3 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, fictit
or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

NMOCD

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	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name NEBU	⁶ Well Number # 327
⁷ OGRID No.	⁸ Operator Name Devon Energy Production Company, L.P.	⁹ Elevation 6368

¹⁰ Surface Location

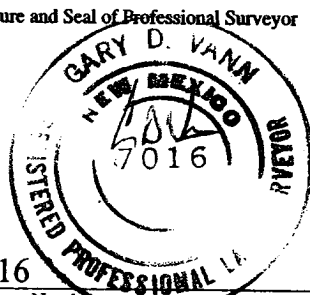
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	31 N	6 W		385	NORTH	1255	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

⁷ UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	31 N	6 W		1310	NORTH	1310	WEST	SAN JUAN

¹² Dedicated Acres MV-W/320 DAK-W/320	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 1255' Azimuth - 176°36' 927" Bottom Hole Location 1310' F/NL 1310' F/WL	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Diane Busch</i> Signature DANE BUSCH Printed Name SR. OPERATIONSTECH Title 5-6-03 Date
20	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  7016 Certificate Number

**NEBU 327
Unit D 20-31N-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	Surface	
Ojo Alamo	2563	2435	Aquifer
Kirtland	2692	2555	
Fruitland	3155	3000	Gas
Pictured Cliffs	3489	3330	Gas
Lewis	3669	3510	Gas
Intermediate TD	3819	3660	
Huerfanito bentonite	4314	4155	
Massive Cliff House	5514	5355	Gas
Menefee	5559	5400	Gas
Massive Point Lookout	5794	5635	Gas
Mancos	6169	6010	Gas
Gallup	7134	6975	Gas
Greenhorn	7829	7670	
Graneros	7879	7720	
Dakota	7999	7840	Gas
TD	8274	8115	

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:

TMD	TVD	Hole Size	Size	Grade	Weight	Thread	Condition
0-250'	0-250'	12-1/4"	9-5/8"	H-40	32#	STC	New
0-3819'	0-3660'	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, 1/4# Flocele, 1/10% CFR 3, .2% Halad 344, Yield 1.44 ft³/sks. Stage 2: 450 sacks Class B 50/50 POZ, 3% Gel, 5# Gilsonite, 1/4# 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:

TMD	TVD	Type	Weight (ppg)	Viscosity	pH	Water Loss	Remarks
0-3819'	0-3660'	Spud-foam	8.4-9.0	29-70	8.0	NC	FW gel, LSND or stiff foam
3819'-7879'	3660'-7720'	Air				NC	
7879'-TD	7720'-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 #327
Location: San Juan County, Sec 20-31N-6W
Rlg Name:
RKB:
G.L. or M.S.L.:

State/Country: New Mexico / USA
Declination:
Grid:
File name: C:\CUST03\SURVEY\DEVON\NEBU327.SVY
Date/Time: 28-Mar-03 / 10:25
Curve Name: Proposal 3-28-03

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 176.02
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 @ 312'TVD, Begin Build @ 3.00°/100'									
312.11	.00	.00	312.11	.00	.00	.00	.00	.00	.00
412.11	3.00	176.02	412.07	2.62	-2.61	.18	2.62	176.02	3.00
512.11	6.00	176.02	511.75	10.46	-10.44	.73	10.46	176.02	3.00
612.11	9.00	176.02	610.88	23.51	-23.46	1.63	23.51	176.02	3.00
712.11	12.00	176.02	709.19	41.73	-41.63	2.89	41.73	176.02	3.00
812.11	15.00	176.02	806.42	65.08	-64.92	4.51	65.08	176.02	3.00
912.11	18.00	176.02	902.29	93.48	-93.25	6.48	93.48	176.02	3.00
1012.11	21.00	176.02	996.54	126.85	-126.55	8.80	126.85	176.02	3.00
1045'MD/1027'TVD, Begin Hold @ 22.00°Inc, 176.02°Azm									
1045.44	22.00	176.02	1027.56	139.07	-138.73	9.64	139.07	176.02	3.00
2045.44	22.00	176.02	1954.74	513.68	-512.44	35.62	513.68	176.02	.00
2619'MD/2486'TVD, Begin Drop @ -2.00°/100'									
2619.32	22.00	176.02	2486.83	728.65	-726.90	50.53	728.65	176.02	.00
2719.32	20.00	176.02	2580.18	764.49	-762.65	53.02	764.49	176.02	2.00
2819.32	18.00	176.02	2674.73	797.04	-795.12	55.28	797.04	176.02	2.00
2919.32	16.00	176.02	2770.36	826.28	-824.29	57.30	826.28	176.02	2.00
3019.32	14.00	176.02	2866.94	852.16	-850.11	59.10	852.16	176.02	2.00
3119.32	12.00	176.02	2964.38	874.65	-872.55	60.66	874.65	176.02	2.00
3219.32	10.00	176.02	3062.53	893.73	-891.58	61.98	893.73	176.02	2.00
3319.32	8.00	176.02	3161.30	909.38	-907.19	63.07	909.38	176.02	2.00
3419.32	6.00	176.02	3260.55	921.56	-919.34	63.91	921.56	176.02	2.00
3519.32	4.00	176.02	3360.16	930.28	-928.04	64.52	930.28	176.02	2.00
3619.32	2.00	176.02	3460.02	935.51	-933.26	64.88	935.51	176.02	2.00
3719.32	.00	176.02	3560.00	937.26	-935.00	65.00	937.26	176.02	2.00

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
3719'MD/3560'TVD, Begin Vertical Hold									
3719.32	.00	176.02	3560.00	937.26	-935.00	65.00	937.26	176.02	2.56
Set 7" Casing @ 3819'MD/3660'TVD									
3819.32	.00	176.02	3660.00	937.26	-935.00	65.00	937.26	176.02	.00
4819.32	.00	176.02	4660.00	937.26	-935.00	65.00	937.26	176.02	.00
Top Target Zone #1 @ 5514'MD/5355'TVD									
5514.32	.00	176.02	5355.00	937.26	-935.00	65.00	937.26	176.02	.00
Bottom Target Zone #1 @ 6169'MD/6010'TVD									
6169.32	.00	176.02	6010.00	937.26	-935.00	65.00	937.26	176.02	.00
7169.32	.00	176.02	7010.00	937.26	-935.00	65.00	937.26	176.02	.00
Top Target Zone #2 @ 7999'MD/7840'TVD									
7999.32	.00	176.02	7840.00	937.26	-935.00	65.00	937.26	176.02	.00
PBHL @ 8274'MD/8115'TVD									
8274.32	.00	176.02	8115.00	937.26	-935.00	65.00	937.26	176.02	.00