2. Name of Operator Devon Energy Production Company, L.P. 3a. Address 20 N. Broadway 3b. Phone N Oklahoma City, OK 73102 3b. Phone N 4. Location of Well (Report location clearly and in accordance with any State require At surface 1,335' FNL & 1,050 FEL, Unit H, SE NW N At proposed prod. zone 1,420' FNL & 750' FWL, Unit E, SW D/E N 14. Distance in miles and direction from nearest town or post office* Approximately 13.5 miles 13.5 miles	R REENTER 210 F.M Single Zone Multip No. (include area code) 552-7917 ements.*) C acres in lease cres	ole Zone	Northeast Bi 8. Lease Name and NEBU 344 9. API Well No. 30045 10. Field and Pool, or Basin Dakota 11. Sec., T. R. M. or H Sec. 26-31N- PSec 26-31N- 12. County or Parish San Juan g Unit dedicatel to this	reement, Name and No. anco Unit Well No. 34325 r Exploratory a/Blanco Mesaverde Blk. and Survey or Area 7W - SHL N -7W - BHL 13. State NM
Ib. Type of Well: Oil Well ✓ Gas Well Other S 2. Name of Operator Devon Energy Production Company, L.P. 3a. Address 20 N. Broadway 3b. Phone N Oklahoma City, OK 73102 405-5 4. Location of Well (Report location clearly and in accordance with any State require At surface 1,335' FNL & 1,050 FEL, Unit H, SE NW N At proposed prod. zone 1,420' FNL & 750' FWL, Unit E, SW DE N 14. Distance in miles and direction from nearest town or post office* Approximately 13.5 miles 15. Distance from proposed* location to nearest property or lease line, ft.	Single Zone Multip No. (include area code) 552-7917 ements.*)	ole Zone	 7 If Unit or CA Ag Northeast Bl. 8. Lease Name and NEBU 344 9. API Well No. 30045 10. Field and Pool, or Basin Dakots 11. Sec., T. R. M. or H Sec. 26-31N-7 P Sec. 26-31N-7 P Sec. 26-31N-7 P Sec. 26-31N-7 g Unit dedicatell to this 	anco Unit I Well No. 34325 r Exploratory a/Blanco Mesaverde Blk. and Survey or Area 7W - SHL N -7W - BHL 13. State NM
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15. Distance from proposed* 16. No. of location to nearest property or lease line, ft.	cres		g Unit dedicated to this	
location to nearest property or lease line, ft.	cres		- <u>-</u>	s well
property or lease line, ft. (Also to nearest drig, unit line, if any) 1,050' 2560 Ad		320 A		
	sed Depth	1	cres	WA
18. Distance from proposed location* 19. Propos		20. BLM/E	BIA Bond two. on file	
to nearest well, drilling, completed, applied for, on this lease, ft. 55' 8,624'		CO 11		·
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approx GR 6,319' 22. Approx	ximate date work will star 07/17/2007	rt*	23. Estimated durati Unknown	ion
24. Att	achments			
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). 	Item 20 above). 5. Operator certific	cation specific info		an existing bond on file (see as may be required by the
25. Signature	ne (Printed/Typed) Melisa Castro			Date 5-17-07
Title Senior Staff Operations Technician				
Approved by (Signature)	ne (Printed/Typed)			Date G/1/07
Title AFM Offi	" FEO			<u></u>
Application approval does not warrant or certify that the applicant holds legal or eq conduct operations thereon. Conditions of approval, if any, are attached.	uitable title to those righ	its in the sub	ject lease which would	d entitle the applicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any States any false, fictitious or fraudulent statements or representations as to any matter	v person knowingly and v r within its jurisdiction.	willfully to n	nake to any department	t or agency of the United
*(Instructions on page 2) NOTIFY AZTEC C	00 2478	22	<u> </u>	BCUD JUN5'07 DIL CONS. DIV.
PRIOR TO CASING				
	HOLDG	- IN I 194 Fui	n divect	. DIST. 3
			Survey	
LING OPERATIONS AUTHORIZED ARE	NOCD OLE. C	NG-07	This actio	on is subject to technical and al review pursuant to 43 CFR ral pursuant to 43 CFR 3165.4

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District I PO Box 1980, Hobbs NM 88241-1980 District II PO Drawer KK; Artesia, NM 87211-0719 District III 1000 Rio Brazos Rd., Aziec, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

1.

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



(R) - GLO Record

Submit 3 Copies To Appropriate District Office (State of New Mexico Energy, Minerals and Natural F		Form C-103 May 27, 2004			
District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Ave., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410	OIL CONSERVATION DI 1220 South St. Francis	VISION Dr.	WELL API NO. 30 - 045 - 34325 5. Indicate Type of Lease STATE FEE			
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505	201	6, State-Oil & Gos Hegse No. SF 079010			
(DO NOT USE THIS FORM FOR PROPO	CES AND REPORTS ON WELLS SALS TO DRILL OR TO DEEPEN OR PLUG BA CATION FOR PERMIT" (FORM C-101) FOR SU		7. dense Name or Unit Agreement Name			
1. Type of Well: Oil Well	Gas Well 🛛 Other		8. Well Number 344			
2. Name of Operator Devon Energy Production Comp	any, L.P.		9. OGRID Number 6137			
3. Address of Operator 20 N. Broadway, Oklahoma City	, OK 73102		10. Pool name or Wildcat Basin Dakota/Blanco Mesaverde			
4. Well Location Unit Letter H : 1,335 feet from the North line and 1,050 feet from the East line						
Section 26 Township 31N Range 7W NMPM County San Juan 11. Elevation (Show whether DR, RKB, RT, GR, etc.) GR 6,319' G						
Pit or Below-grade Tank Application a o	<u>r Closure </u> ater_>100'Distance from nearest fresh water	well >1000' D	istance from nearest surface water >1000?			
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume	bbls; <u>Constru</u>				
12. Check A	Appropriate Box to Indicate Natur	e of Notice,	Report or Other Data			
NOTICE OF IN PERFORM REMEDIAL WORK	PLUG AND ABANDON C RE CHANGE PLANS C CC	MEDIAL WORI				
OTHER: Construction Drilling		HER:				
			l give pertinent dates, including estimated date tach wellbore diagram of proposed completion			

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Devon Energy will be constructing a lined drilling pit. The closure of said pit will be in accordance with the NMOCD regulations with the cutting of the liner applying to the BLM rules.

	ete to the best of my knowledge and belief. I further certify that any pit or below- D guidelines \boxtimes , a general permit \square or an (attached) alternative OCD-approved plan \square .
SIGNATURE	TITLE_Senior Staff Operations TechnicianDATE <u>5-17-07</u>
Type or print name Melisa Castro E-mail address: For State Use Only	Melisa.castro@dvn.com Telephone No. (405) 552-7917
APPROVED BY: Conditions of Approval (if any):	TITLE



buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction.

Cuts and fills shown are approximate - final finished elevation is to be adjusted so earthwork will balance. Corner stakes are approximate and do not include additional areas needed for sideslopes and drainages. Final Pad Dimensions are to be verified by Contractor.

> VANN SURVEYS P. O. Box 1306 Farmington, NM

NEBU 344 Unit H 26-31N-7W 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	2727	2195	Aquifer
Kirtland	2907	2336	
Fruitland	3412	2778	Gas
Fruitland 1 st Coal	3538	2897	Gas
Pictured Cliffs Tongue	3764	3117	Gas
Pictured Cliffs Main	3899	3250	Gas
Lewis	4009	3360	Gas
Intermediate TD	4109	3460	
Huefanito Bentonite	4626	3977	Gas
Chacra / Otera	5017	4368	Gas
Cliff House	5805	5156	Gas
Menefee	5847	5198	Gas
Point Lookout	6137	5488	Gas
Mancos	6593	5944	Gas
Gallup	7485	6836	Gas
Greenhorn	8181	7532	
Graneros	8236	7587	Gas
Dakota	8354	7705	Gas
Paguate	8366	7717	
Cubero	8402	7753	
Oak Canyon	8445	7796	

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Encinal Canyon	8469	7820	
Lower Encinal Canyon	8485	7836	
Burro Canyon	8529	7880	
Morrison	8574	7925	
ТD	8624	7975	

*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 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
0-4109	0-3460'	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
Th. 0. 5/0				750 .			

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)

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	TVÐ Interval	Туре	Weight (ppg)	Viscosity	pН	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'-4,109'	285'-3,460'	Water/ Mud	8.4-9.0	29-70	8.0	NC	
4,109' - TD	3,460' - 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:

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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.

Company: Devon Energy Lease/Well: NEBU 344 Location: San Juan County State/Country: NM







Well Control Equipment 2,000 psi Configuration

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