

UNITED STATES N.M. Oil Cons. Div-Dist. 2
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form approved
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

Artesia, NM 88210

1a. TYPE OF WORK: ☒ DRILL ☐ REENTER

b. TYPE OF WELL: ☒ OIL WELL ☐ GAS WELL ☐ Other ☐ SINGLE ZONE ☐ MULTIPLE ZONE

2. NAME OF OPERATOR

DEVON ENERGY PRODUCTION COMPANY, L.P.

3a. ADDRESS AND TELEPHONE NO.

20 NORTH BROADWAY, SUITE 1500, OKC, OK 73102

3b. TELEPHONE (Include area code).

(405) 235-3611

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 660' FNL & 330' FEL

At top proposed prod. zone 660' FNL & 330' FEL

R-111-POTASH

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

APPROXIMATELY 46 MILES WEST FROM JAL NEW MEXICO

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

330

(Also to nearest dyle, unit line if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3342' GR

16. NO. OF ACRES IN LEASE

440.00

19. PROPOSED DEPTH

7860'

22. APPROX. DATE WORK WILL START

9/1/03

17. Spacing Unit dedicated to this well

40

20. BLM/BIA Bond No. on file

CO1104

23. Estimated duration

45 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

CARLSBAD CONTROLLED WATER BASIN

Drilling Program

Surface Use and Operating Plan

Exhibit #1 = Blowout Prevention Equipment

Exhibit #2 = Location and Elevation Plat

Exhibit #3 = Road Map and Topo Map

Exhibit #4 = Wells Within 1 Mile Radius

Exhibit #5 = Production Facilities Plat

Exhibit #6 = Rotary Rig Layout

Exhibit #7 = Casing Design

H₂S Operating Plan

Archeological clearance report

The undersigned accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the leased land or portions thereof, as described above

Bond Coverage: Nationwide
BLM Bond #: CO-1104

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

25. Signature <i>Karen Cottom</i>	Name (Printed/Typed) KAREN COTTOM	Date JULY 16, 2003
Title OPERATIONS TECHNICIAN		
Approved by (signature) <i>Jesse J. Juan</i>	Name (Printed/Typed) Jesse J. Juan	Date 17 OCT 2003
Title ACTING STATE DIRECTOR		
Office NM STATE OFFICE		

Application approval 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.

Conditions of approval, if any, are attached.

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001, makes 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 reverse)

Devon Energy proposes to drill a Delaware well to TD 7,860' for commercial quantities of oil and gas. If the well is deemed noncommercial, the well bore will be plugged and abandoned per Federal regulations. Devon Energy Production Company, LP will drill the well per the Master Drilling and Surface Use Program submitted for the Quahada Ridge, SE Field.

Directions: From the junction of State Hwy 128 and Co. Rd. 796, go north on 796 for approx. 3.75 miles to a lease road; thence continue north on lease road for approx. 0.11 mile; thence northeasterly on lease road for approx. 0.11 mile; then east on lease road for approx. 1.82 mile to lease road; thence south on lease road for approx. 1.8 mile to a point on the proposed well pad.

Approximately 40' of access road will be required but fall within the archeological survey for the well pad. Therefore an access road arch survey is not needed.

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		UNDESIGNATED
Property Code	Property Name	Well Number
	APACHE "13" FEDERAL	4
OGRID No.	Operator Name	Elevation
6137	DEVON ENERGY PRODUCTION CO., L.P.	3343'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	13	22 S	30 E		1980	NORTH	330	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
40									

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

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature James Blount Printed Name Operations Engineering Adv Title July 16, 2003 Date
	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. JUNE 30, 2003 Date Surveyed Signature & Seal of Professional Surveyor Professional Surveyor M.O. No. 3405 Certified No. Gary L. Jones 7977

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other _____

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY, LP.

3. Address and Telephone No.

20 NORTH BROADWAY, SUITE 1100, OKLAHOMA CITY, OKLAHOMA 73102 (405) 2287512

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

1980 FNL & 330 FEL, Sec 13 T22S 30E, Unit H

5. Lease Designation and Serial No.

NMNM89051

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Apache 13 Federal #4

9. API Well No.

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

Eddy, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Move Location

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Devon Energy Production Company, LP request approval to move the referenced location to the following due to a Wildlife watering station.

Old Location: 1980' FNL & 330' FEL,

New Location: 1730' FNL & 330' FEL,

RECEIVED
2003 SEP 10 AM 1 55
BUREAU OF LAND MGMT.
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct

Karen A. Cottom

Signed

Title Operations Technician

Date September 8, 2003

(This space for Federal or State office use)

ACTING
Title STATE DIRECTOR

Date 17 OCT 2003

Approved by

/s/ Jesse J. Juen

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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 to any matter within its jurisdiction.

*See Instruction on Reverse Side

<div style="border: 1px dashed black; height: 400px; position: relative;"> <!-- Coordinates --> <div style="position: absolute; top: 30%; left: 35%; transform: translate(-50%, -50%);"> Lat - N32°23'40.7" Long - W103°49'35.9" </div> <!-- Well Location --> <div style="position: absolute; top: 15%; left: 60%;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div> <div style="position: absolute; top: -20px; left: 50%; transform: translate(-50%, -50%);">1730'</div> <div style="position: absolute; left: 0; top: 50%; transform: translateY(-50%);">3348.3'</div> <div style="position: absolute; right: 0; top: 50%; transform: translateY(-50%);">3354.6'</div> <div style="position: absolute; left: 0; bottom: 50%; transform: translateY(50%);">3341.9'</div> <div style="position: absolute; right: 0; bottom: 50%; transform: translateY(50%);">3349.7'</div> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <h3 style="text-align: center; margin: 0;">OPERATOR CERTIFICATION</h3> <p style="font-size: small; margin: 5px 0;">I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <div style="margin-top: 10px;"> </div> <div style="margin-top: 5px;"> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="display: flex; justify-content: space-between;"> Signature James Blount </div> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="display: flex; justify-content: space-between;"> Printed Name Operations Engineer Advisor </div> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="display: flex; justify-content: space-between;"> Title September 8, 2003 </div> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="display: flex; justify-content: space-between;"> Date </div> </div> </div>
<div style="border: 1px solid black; padding: 5px;"> <h3 style="text-align: center; margin: 0;">SURVEYOR CERTIFICATION</h3> <p style="font-size: small; margin: 5px 0;">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.</p> <div style="margin-top: 10px; text-align: center;"> SEPTEMBER 8, 2003 </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> Date Surveyed RAY L JONES </div> <div style="margin-top: 5px;"> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="display: flex; justify-content: space-between;"> Signature & Seal of Professional Surveyor MEXICO </div> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="display: flex; justify-content: space-between;"> 7977 No. 3584 </div> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="display: flex; justify-content: space-between;"> Certificate No. 7977 </div> </div> </div>	

BASIN SURVEYS

R-111-P-POTASH

1

Master Drilling Program Delaware Formation on the Following Leases.

To be attached to Form 3160-3

UNIT AREA: Leases in the following sections, Townships and Ranges that are operated by Devon Energy Production Company, LP.

Lease Numbers as follows but not limited to:

Section	Lease Number	Description of Section	Township & Range
Section 12	NMNM89051	SE4/SE4	T22S R30E
Section 13	NMNM89051	E2, E2/SW4, SE4/NW4	T22S R30E
Section 24	NMNM89051	All of Section 24 except W2/NW4	T22S R30E

If drilling is proposed on additional leases, the BLM will be advised when they are proposed.

1. Geologic Name of Surface Formation:

Permian

2. Estimated Tops of Important Geologic Markers:

Permian	Surface'
Base of Salt	3690'
Delaware	3950'
Bone Spring	7720'
Total Depth	7860'

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Upper Permian Sands	100'	Fresh Water
Delaware	3950'	Oil
Delaware	7475'	Oil

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13 3/8" casing at approximately 620' and circulating cement back to surface. The Potash and salt will be protected by setting 8 5/8" casing at 3845' and circulating cement to surface. The 5 1/2" production casing to be set at TD will be cemented to surface.

UNITED STATES DEPARTMENT OF THE INTERIOR**Bureau of Land Management****Roswell Field Office****2909 West Second Street****Roswell, New Mexico 88201-1287****Statement Accepting Responsibility for Operations**

Operator Name:

Devon Energy Production Company, LP

Street or Box:

20 North Broadway, Ste 1500

City, State:

Oklahoma City, OK 73102

Zip Code:

The undersigned accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the leased land or portion thereof, as described below.

Lease No.:

NMNM89051

Legal Description of Land:

Sec 12 – SE4/SE4**Sec 13 – E2, E2/SW4, SE4/NW4****Sec 24 – All of section 24 except
W2/NW4**

Formation(s):

Delaware

Bond Coverage:

Nationwide

BLM Bond File No.:

CO1104

Authorized Signature:



Title:

**James Blount
Operations Engineering Advisor**

Date:

7/16/03

DE

NM 89051

Apache Fed 13 #1
100%W187.5%NRI

NM 89051

100%W187.5%NRI
HBP

100%W187.5%NRI
HBP

NM 89051

Apache 24 Fed #1
100%W187.5%NRI

100%W187.5%NRI
HBP

NM 89052

NM 91509

Apache 25 Fed Com #2
100%W187.5%NRI

NMOCD

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: November 30, 2000

5. Lease Serial No. NMNM89051
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. APACHE 13 FED 4
9. API Well No. 30-015-33077-00-X1
10. Field and Pool, or Exploratory CABIN LAKE DELAWARE
11. County or Parish, and State EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	2. Name of Operator DEVON ENERGY PRODUCTION CO L P	Contact: KAREN COTTOM E-Mail: karen.cottom@dmv.com	12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA
3a. Address 20 NORTH BROADWAY SUITE 1500 OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405.228.7512 Fx: 405.552.4621		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T22S R30E SENE 1980FNL 330FEL			

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<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 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.)

2/15/04 - Spud 17 1/2" hole
2/17/04 - Ran 14jts, 13 3/8", H40, ST&C set @624, Cmt'd Lead w/300 sx Class C & tailed w/250 sx
Class C, circ to surface WOC 28+ hrs
2/22/04 - Td'd 11" hole, Ran 84 jts, 8 5/8", 32#, J55, LT&C csg set @3828'. Cmt'd lead w/700 sx
Class C & tail w/300 sx Class C, circ 75 sx to pit. WOC 27+ hrs
2/29/04 - Td'd 7 7/8" hole @7850'
3/1/04 - Ran 176 jts, 5 1/2", 17# & 15.5# J55 LT&C csg, Cmt'd 1st Stage Lead w/200 sx Class C &
tail w/570 sx Class C, circ 82 sx off DV Tool @4825. Cmt'd 2nd Stage Lead w/380 sx Class C & tail
w/60 sx Class C, Circ 33 sx to pit, Released rig 3/1/04

14. I hereby certify that the foregoing is true and correct. Electronic Submission #28890 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO L P, sent to the Carlsbad Committed to AFMSS for processing by LINDA ASKWIG on 03/09/2004 (04LA0234SE)	
Name (Printed/Typed) KAREN COTTOM	Title ENGINEERING TECHNICIAN
Signature (Electronic Submission)	Date 03/09/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	ALEXIS C SWOBODA Title PETROLEUM ENGINEER	Date 03/10/2004
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 Carlsbad		

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
EXPIRES: NOVEMBER 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. **NMNM89051**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
Apache 13 Federal 4

9. API Well No.
30-015-33077

10. Field and Pool, or Exploratory
Cabin Lake Delaware

11. Sec. T., R., M., on Block and Survey or Area
13 22S 30E

12. County or Parish 13. State
Eddy NM

17. Elevations (DR, RKB, RT, GL)*
3343

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

1b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., ☐ Other

2. Name of Operator
DEVON ENERGY PRODUCTION COMPANY, LP

3. Address
20 North Broadway, Ste 1500

3a. Phone No. (include area code)
405-228-8209

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At Surface
At top prod. Interval reported below
At total Depth

14. Date Spudded **2/15/2004** 15. Date T.D. Reached **2/29/2004** 16. Date Completed **3/11/2004** ☐ D & A ☒ Ready to Prod.

18. Total Depth: MD **7,850** 19. Plug Back T.D.: MD **7801** 20. Depth Bridge Plug Set: MD **TVI**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

EX-AIT-CMR-CN-GR-CBL

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	48 H40	0	624		550 SX Class C, circ 85 sx		0	
11	8 5/8	32 J55	0	3828		1000 sx Class C, circ 75 sx		0	
7 7/8	5 1/2	17 J55	0	7850		770 sx Class C, circ 33 sx			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8	6779							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Lower Brushy Canyon	6405	7737	6770-6784	4"	28	Producing

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6770-6784	Acidize perms w/1000 gals 7.5% Pentol; Frac w/50,000# Ottawa & RC

RECEIVED
APR 01 2004
OCB-ARTESIA

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/11/2004	3/13/2004	24	→	198	78	136			Pumping
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
700	170	→	→	198	78	136	394		Pumping Oil well

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

See instructions and spaces for additional data on reverse side)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

(See instructions and spaces for additional data on reverse side)

Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof; Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Rustler	432
				Salado	733
				Base Salt	3597
				Delaware	3855
				Cherry Canyon	4803
				Brushy Canyon	6405
				Bone Spring	7737

Additional remarks (include plugging procedure):

13/06/04 RIH w/4" csg guns & perf Brushy Canyonhn 2 SPF from 6770-6784 (28 shots)
 13/07/04 Acidize perfs w/1000 gals 7.5% Pentol
 13/09/04 Frac w/50,000# Ottawa & RC
 13/10/04 RIH w/210 jts 2 7/8" tbg @ 6779'
 13/11/04 RIH w/1 1/2" pump & rods. Hung well on

Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7. Other

hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (Please print)

Linda Guthrie

Title

Regulatory Specialist

Signature

Date

3/25/2004

8 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.



DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 • Artesia, NM 88211-0160 • Office (505) 748-8704 • Fax (505) 748-8719

March 1, 2004

Devon Energy Production Company, LP
20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102

Re: Apache 13 Fed #4
Section 13, T-22 S, R-30-E
Eddy County, New Mexico

Attention: David Spitz

The following is a Deviation Survey on the above referenced well in Eddy County, New Mexico:

230' - 1/2°	2993' - 1 3/4°	4736' - 3/4°
583' - 1 1/2°	3119' - 2 1/2°	5215' - 1 1/4°
862' - 1 1/2°	3228' - 2°	5694' - 1 1/4°
1336' - 1 1/4°	3357' - 2 1/2°	6172' - 1 1/4°
1782' - 1 3/4°	3581' - 3 1/4°	6650' - 1 1/4°
2031' - 1 3/4°	3678' - 2 3/4°	7097' - 1 1/4°
2483' - 1 3/4°	3828' - 2°	7575' - 1 1/4°
2865' - 1°	4258' - 3/4°	7850' - 1 1/4°

Sincerely,

Jerry W. Wilbanks
President

RECEIVED

APR 01 2004

OCD-ARTESIA

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 1st day of March, 2004 by Jerry W. Wilbanks.

MY COMMISSION EXPIRES

June 19th, 2007

Virginia L. Long
NOTARY PUBLIC

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

PO Drawer DD, Artesia, NM 88211-0719

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

Form C-104

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator Name and Address Devon Energy Production Company, LP 20 N. Broadway, Suite 1500 Oklahoma City, OK 73102-8260		² OGRID Number 6137
		³ Reason for Filing Code NW
⁴ API Number 30-015-33077	⁵ Pool Name Cabin Lake Delaware	⁶ Pool Code 31917
⁷ Property Code	⁸ Property Name Apache 13 Federal	⁹ Well Number 4

II. Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
H	13	22S	30E		1730	North	330	East	Eddy

Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 3/11/2004	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
9171	Duke PO Box 50020 Midland, TX 79710-0020		G	
035246	Shell Trading Company PO Box 4604 Houston, TX 77210		O	
				RECEIVED
				APR 01 2004
				OED-ARTESIA

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
-------------------	--

V. Well Completion Data

²⁵ Spud Date 2/15/2004	²⁶ Ready Date 3/11/2004	²⁷ TD 7,850	²⁸ PBTD 7801	²⁹ Perforations 6770-6784	³⁰ DHC, DC, MC
³¹ Hole Size 17 1/2	³² Casing & Tubing Size 13 3/8	³³ Depth Set 624	³⁴ Sacks Cement 550 SX Class C, circ 85 sx		
11	8 5/8	3828	1000 sx Class C, circ 75 sx		
7 7/8	5 1/2	7850	770 sx Class C, circ 33 sx		

VI. Well Test Data

³⁵ Date New Oil 3/11/2004	³⁶ Gas Delivery Date 3/11/2004	³⁷ Test Date 3/13/2004	³⁸ Test Length 24	³⁹ Tbg. Pressure 700	⁴⁰ Csg. Pressure 170
⁴¹ Choke Size	⁴² Oil 198	⁴³ Water 136	⁴⁴ Gas 78	⁴⁵ AOF	⁴⁶ Test Method

"I hereby certify that the rules of the Oil Conservation division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed Name: Linda Guthrie

Title: Regulatory Specialist

Date: 3/25/2004

Phone: (405) 228-8209

Approved by:

Title:

Approval Date:

APR 02 2004

OIL CONSERVATION DIVISION

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., <input type="checkbox"/> Other		7. Unit or CA Agreement Name and No.	
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		8. Lease Name and Well No. Apache 13 Federal 4	
3. Address 20 North Broadway, Ste 1500		9. API Well No. 30-015-33077	
3a. Phone No. (Include area code) 405-228-8209		10. Field and Pool, or Exploratory Cabin Lake Delaware	
4. Location of Well (Report location clearly and in accordance with Federal requirements) At Surface At top prod. Interval reported below At total Depth		11. Sec. T., R., M., on Block and Survey or Area 13 22S 30E	
14. Date Spudded 2/15/2004		15. Date T.D. Reached 2/29/2004	
16. Date Completed 3/11/2004 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DR, RKB, RT, GL)* 3343	
18. Total Depth: MD TVD		19. Plug Back T.D.: MD TVI	
20. Depth Bridge Plug Set: MD TVI		21. Type Electric & Other Mechanical Logs Run (Submit copy of each)	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)			

PEX-AIT-CMR-CN-GR-CBL

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	48 H40	0	624		550 SX Class C, circ 85 sx		0	
11	8 5/8	32 J55	0	3828		1000 sx Class C, circ 75 sx		0	
7 7/8	5 1/2	17 J55	0	7850		770 sx Class C, circ 33 sx			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8	6779							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Lower Brushy Canyon	6405	7737	6770-6784	4"	28	Producing

26. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6770-6784	Acidize perms w/1000 gals 7.5% Pentol; Frac w/50,000# Ottawa & RC

27. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/11/2004	3/13/2004	24	→	198	78	136			Pumping
Choke Size	Tbg. Press. Flwg SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
700	170	→	→	198	78	136	394		

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

See instructions and spaces for additional data on reverse side)

Pumping Oil well
ACCEPTED FOR RECORD
APR 9 2004
LES BABYAK
PETROLEUM ENGINEER

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	1bg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	1bg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

(See instructions and spaces for additional data on reverse side)

Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof; Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Rustler	432
				Salado	733
				Base Salt	3597
				Delaware	3855
				Cherry Canyon	4803
				Brushy Canyon	6405
				Bone Spring	7737

Additional remarks (include plugging procedure):

13/06/04 RIH w/4" csg guns & perf Brushy Canyonhn 2 SPF from 6770-6784 (28 shots)
 13/07/04 Acidize perms w/1000 gals 7.5% Pentol
 13/09/04 Frac w/50,000# Ottawa & RC
 13/10/04 RIH w/210 jts 2 7/8" tbg @ 6779'
 13/11/04 RIH w/1 1/2" pump & rods. Hung well on

Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7. Other

hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (Please print)

Linda Guthrie

Title

Regulatory Specialist

Signature

Date

3/25/2004

8 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.



DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 • Artesia, NM 88211-0160 • Office (505) 748-8704 • Fax (505) 748-8719

March 1, 2004

Devon Energy Production Company, LP
20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102

Re: Apache 13 Fed #4
Section 13, T-22 S, R-30-E
Eddy County, New Mexico

Attention: David Spitz

The following is a Deviation Survey on the above referenced well in Eddy County, New Mexico:

230' - 1/2°	2993' - 1 3/4°	4736' - 3/4°
583' - 1 1/2°	3119' - 2 1/2°	5215' - 1 1/4°
862' - 1 1/2°	3228' - 2°	5694' - 1 1/4°
1336' - 1 1/4°	3357' - 2 1/2°	6172' - 1 1/4°
1782' - 1 3/4°	3581' - 3 1/4°	6650' - 1 1/4°
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2483' - 1 3/4°	3828' - 2°	7575' - 1 1/4°
2865' - 1°	4258' - 3/4°	7850' - 1 1/4°

Sincerely,

Jerry W. Wilbanks
President

RECEIVED

APR 14 2004

BBB-ARTESIA

STATE OF NEW MEXICO)

COUNTY OF CHAVES)

The foregoing was acknowledged before me this 1st day of March, 2004 by Jerry W. Wilbanks.

MY COMMISSION EXPIRES

June 19th, 2007

NOTARY PUBLIC

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

PO Drawer DD, Artesia, NM 88211-0719

District III

1000 Rio Brazos Rd., Aztec, NM 87410

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Santa Fe, NM 87505

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		³ Reason for Filing Code NW
⁴ API Number 30-015-33077	⁵ Pool Name Cabin Lake Delaware	⁶ Pool Code 8435
⁷ Property Code 31917	⁸ Property Name Apache 13 Federal	⁹ Well Number 4

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
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¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
9171	Duke PO Box 50020 Midland, TX 79710-0020		G	
035246	Shell Trading Company PO Box 4604 Houston, TX 77210		O	

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OCD-ARTESIA

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBD	²⁹ Perforations	³⁰ DHC, DC, MC
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17 1/2	13 3/8	624	550 SX Class C, circ 85 sx		
11	8 5/8	3828	1000 sx Class C, circ 75 sx		
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³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
3/11/2004	3/11/2004	3/13/2004	24	700	170
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method
	198	136	78		

"I hereby certify that the rules of the Oil Conservation division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed Name: Linda Guthrie

Title: Regulatory Specialist

Date: 3/25/2004

Phone: (405) 228-8209

Approved by:

Title:

Approval Date:

OIL CONSERVATION DIVISION
ORIGINAL SIGNED BY THE O.C.D.
DISTRICT II SUPERVISOR

APR 02 2004

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date