

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Devon Energy Production Company, L.P. 333 West Sheridan, Oklahoma City, OK 73102		² OGRID Number 6137
		³ Reason for Filing Code/ Effective Date NW / 8/23/14
⁴ API Number 30-015-41513	⁵ Pool Name Hackberry; Bone Spring, North	⁶ Pool Code 97056
⁷ Property Code 38797	⁸ Property Name Rigel 20 Fed Com	⁹ Well Number 6H

II. 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
E	20	19S	31E		1699	North	265	West	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	20	19S	31E		1762	North	377	East	Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 8/23/14	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 O/G/W
278421	Holly-Frontier 10 Desta Drive, Ste 350W Midland, TX 79710	Oil
036785	DCP Midstream P.O. Box 50020 Midland, TX 79710-0020	Gas
051618	Enterprise Field Services, LLC P.O. Box 4324 Houston, TX 77210-4324	Gas

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 17 2014

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IV. Well Completion Data

²¹ Spud Date 5/5/14	²² Ready Date 8/23/14	²³ TD 12366'	²⁴ PBDT 12318'	²⁵ Perforations 8080 - 12317	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
26"	20"	473	1127 sx CIC; Circ 500 sx		
17-1/2"	13-3/8"	2341	2445 sx CIC; Circ 728 sx		
12-1/4"	9-5/8"	4038	1900 sx CIC; Circ 372 sx		
8-3/4"	5-1/2"	12366	1825 sx CIH; Circ 0		

V. Well Test Data

Tubing: 2.875

³¹ Date New Oil 9/14/14	³² Gas Delivery Date 9/14/14	³³ Test Date 9/14/14	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 545 psi	³⁶ Csg. Pressure 150 psi
³⁷ Choke Size	³⁸ Oil 224 bbl	³⁹ Water 1624 bbl	⁴⁰ Gas 525 mcf		⁴¹ Test Method
⁴² 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: <i>Megan Moravec</i> Printed name: Megan Moravec Title: Regulatory Compliance Analyst E-mail Address: megan.moravec@dmn.com Date: 9/16/2014			OIL CONSERVATION DIVISION Approved by: <i>T.C. Shepard</i> Title: "Geologist" Approval Date: 9-19-2014		

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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.***

5. Lease Serial No.
NMNM0557729; NMNM63362 (BHL)

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Devon Energy Production Company, L.P.

3a. Address
333 W. Sheridan Avenue
Oklahoma City, Oklahoma 73102

3b. Phone No. (include area code)
405-552-3622

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1699' FNL & 265' FWL, Unit E, Sec 20, T19S, R31E

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

8. Well Name and No.
Rigel 20 Fed Com 6H

9. API Well No.
30-015-41513

10. Field and Pool or Exploratory Area
Hackberry; Bone Spring, North

11. County or Parish, State
Eddy, NM

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

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 Spud Report & Casing Report
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplete 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

(5/5/14-5/6/14) Spud @ 02:00. TD 26" hole @ 475'. RIH w/ 11 jts 20" 94# J-55 BTC csg, set @ 473'. Lead w/ 1127 sx CIC, yld 1.35 cu ft/sk. Disp w/ 153 bbls FW. Circ 500 sx cmt to surf.

(5/9/14-5/11/14) TD 17-1/2" hole @ 2341'. RIH w/ 57 jts 13-3/8" 68# J-55 BTC csg, set @ 2341'. Lead w/ 1845 sx CIC, yld 1.65 cu ft/sk. Tail w/ 600 sx CIC, yld 1.38 cu ft/sk. Disp w/ 344 bbls FW. Circ 728 sx cmt to surf.

(5/13/14-5/15/14) TD 12-1/4" hole @ 4038'. RIH w/ 98 jts 9-5/8" 40# K-55 LTC csg, set @ 4038'. 1st lead w/ 600 sx CIC, yld 1.73 cu ft/sk. Tail w/ 470 sx CIC, yld 1.38 cu ft/sk. Disp w/ 302 bbls FW. Open DVT. DVT set @ 2408.8'. Circ 33 sx cmt & seal bond off top of DVT to surf. 2nd lead w/ 650 sx CIC, yld 1.65 cu ft/sk. Tail w/ 180 sx CIC, yld 1.38 cu ft/sk. Drop DVT closing plug. Disp w/ 183 bbls FW. Shift DVT into closed position. Circ 372 sx cmt to surf from 2nd stage.

(5/27/14-5/30/14) TD 8-3/4" hole @ 12366'. RIH w/ 284 jts 5-1/2" 17# P-110 BTC csg, set @ 12366'. 1st lead w. 325 sx CIH cmt, yld 2.01 cu ft/sk. Tail w/ 1500 sx CIH, yld 1.28 cu ft/sk. Disp w/ 286 bbls FW. Drop DV opening tool and sift DV into open position. DVT set @ 4988.3'. 2nd lead w/ 235 sx CIC, yld 2.89 cu ft/sk. Tail w/ 200 sx CIC, yld 1.38 cu ft/sk. Disp w/ 116 bbls FW. RR @ 18:00 hrs.

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

Megan Moravec

Title Regulatory Analyst

Signature

Megan Moravec

Date 06/10/2014

THIS SPACE FOR FEDERAL OR STATE

Approved by

Title

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

Pending BLM approvals will
subsequently be reviewed
and scanned *TCS*

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)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 17 2014

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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.

5. Lease Serial No. BHL: NMNM63362

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Rigel 20 Fed Com 6H

2. Name of Operator
Devon Energy Production Company, L.P.

9. API Well No.
30-015-41513

3a. Address
333 West Sheridan, Oklahoma City, OK 73102

3b. Phone No. (include area code)
405-228-4248

10. Field and Pool or Exploratory Area
Hackberry; Bone Spring, North

4. Location of Well (Footage, Sec., T.R.M., or Survey Description)
1699' FNL & 265' FWL Unit E, Sec 20, T19S, R31E
1762' FNL & 377' FEL Unit H, Sec 20, T19S, R31E

PP: 1440' FNL & 460' FWL

11. Country or Parish, State
Eddy, NM

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

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 Completion Report
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

7/9/14-8/23/14: MIRU WL & PT. TIH & ran CBL to ETOC @ surf. TIH w/pump through frac plug and guns. Perf Bone Spring, 8080'-12317', total 400 holes. Frac'd 8080'-12317' in 10 stages. Frac totals 61,530 gals 15% HCl Acid, 5,509,370# 30/50 White Sand, 4,325,365# 40/70 White Sand. ND frac, MIRU PU, NU BOP, DO plugs. CHC, FWB. RIH w/ 230 jts 2-7/8" L-80 tbg, set @ 7630.2'. TOP.

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

Megan Moravec

Title Regulatory Compliance Analyst

Signature

Megan Moravec

Date 9/16/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Pending BLM approvals will
subsequently be reviewed
and scanned
TCS

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Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly at, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

any department or agency of the United States any false,

NM OIL CONSERVATION ARTESIA DISTRICT

SEP 17 2014

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

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. Resrv.,		7. Unit or CA Agreement Name and No.	
Other: _____		8. Lease Name and Well No. Rigel 20 Fed Com 6H	
2. Name of Operator Devon Energy Production Company, L.P.		9. AFI Well No. 30-015-41513	
3. Address 333 West Sheridan Ave, Oklahoma City, OK 73102		3a. Phone No. (include area code) 405-228-4248	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1699' FNL & 265' FWL Unit E, Sec 20, T19S, R31E At top prod. interval reported below At total depth 1762' FNL & 377' FEL Unit H, Sec 20, T19S, R31E		10. Field and Pool or Exploratory Hackberry; Bone Spring, North	
14. Date Spudded 5/5/14		15. Date T.D. Reached 5/27/14	
16. Date Completed 8/23/14		17. Elevations (DF, RKB, RT, GL)* GL: 3415.7'	
18. Total Depth: MD 12366' TVD 8015.9'		19. Plug Back T.D.: MD 12318' TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Cement Bond Gamma Ray	
22. Was well cored? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)		Was DST run? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit report)	
Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)			

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 of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26"	20" J-55	94#	0	473		1127 sx CIC		0	500 sx
17-1/2"	13-3/8" J-55	68#	0	2341		2445 sx CIC		0	728 sx
12-1/4"	9-5/8" K-55	40#	0	4038	DV @ 2408.8	1900 sx CIC		0	372 sx
8-3/4"	5-1/2" P-110	17#	0	12366	DV @ 4988.3	1825 sx CIH		4985	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7630.2							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Bone Spring	8080	12317	8080 - 12317		400	open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8080 - 12317	61,530 gals 15% HCl Acid, 5,509,370# 30/50 White Sand, 4,325,365# 40/70 White Sand

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	Flow
8/23/14	9/14/14	24	→	224	525	1624				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
	545psi	150psi	→				2343.75			

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	Flow
			→							
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
			→							

Pending BLM approvals will subsequently be reviewed and scanned

TBS

*(See instructions and spaces for additional data on page 2)

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	
			→						

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

SOLD

30. 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
Bone Spring	7886			Rustler	406
				Salado	540
				Salt Base	1869
				Tansil	1947
				Yates	2082
				SVRV	2333
				Capitan	2424
				Queen	3285
				SADR	3639
				Delaware	4515
				Bone Spring Lime	6537
				Bone Spring SS	7886

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

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

Name (please print) Megan Moravec

Title Regulatory Compliance Analyst

Signature Megan Moravec

Date 9/16/2014

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.