

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-104

Revised August 1, 2011

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

FEB 27 2015

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

Submit one copy to appropriate District Office

RECEIVED

☐ 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 / 1/23/15
⁴ API Number 30-015-42316	⁵ Pool Name Hackberry; Bone Spring, N.	⁶ Pool Code 97056
⁷ Property Code 38504	⁸ Property Name Helios 6 Fed Com	⁹ Well Number 4H

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
O	6	19S	31E		25	South	1800	East	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
2	6	19S	31E		312	North	1652	East	Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 1/23/15	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

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTB	²⁵ Perforations	²⁶ DHC, MC
11/14/14	1/23/15	12427	12380	8015 - 12225	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	609	640 sx CIC; Circ 125 sx		
12-1/4"	9-5/8"	4108	2548 sx cmt; Circ 176 bbls		
8-3/4"	5-1/2" & 7"	12427	1930 sx CIH; Circ 195 sx		
	Tubing: 2-7/8"	7429			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
2/20/15	2/20/15	2/20/15	24 hrs	0 psi	590 psi
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
	768 bbl	1552 bbl	3008 mcf		

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: *Megan Moravec*

Printed name: Megan Moravec

Title: Regulatory Compliance Analyst

E-mail Address: megan.moravec@dmn.com

Date: 2/24/2015 Phone:

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will subsequently be reviewed and scanned

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 27 2015

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.

RECEIVED

5. Lease Serial No. BHL: NMNM66437

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.

NMNM128247

8. Well Name and No.
Helios 6 Fed Com 4H

9. API Well No.
30-015-42316

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

11. Country or Parish, State
Eddy, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
25' FSL & 1800' FEL Unit O, Sec 6, T19S, R31E
312' FNL & 1652' FEL Lot 2, Sec 6, T19S, R31E

PP: 173' FSL & 1770' FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>Completion Report</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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/BLA. 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.)

12/29/14-1/23/15: MIRU WL & PT. TIH & ran CBL, found ETOC @ 800'. TIH w/pump through frac plug and guns. Perf Bone Spring, 8015'-12225', total 632 holes: Frac'd 8015'-12225' in 16 stages. Frac totals 49,637 gals 15% HCl Acid, 4,647,403# 30/50 White, 1,901,612# 20/40 SLC. ND frac, MIRU PU, NU BOP, DO plugs. CHC, ND BOP, FWB. RIH w/234 jts 2-7/8" PH6 tbg, set @ 7429'. 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 2/24/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Pending BLM approvals will
subsequently be reviewed
and scanned

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.

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 27 2015

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.	BHL: NMNM66437
---------------------	----------------

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other						6. If Indian, Allottee or Tribe Name					
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.. Other: _____						7. Unit or CA Agreement Name and No. NMNM128247					
2. Name of Operator Devon Energy Production Company, L.P.						8. Lease Name and Well No. Helios 6 Fed Corn 4H					
3. Address 333 West Sheridan Ave, Oklahoma City, OK 73102				3a. Phone No. (include area code) 405-228-4248				9. AFI Well No. 30-015-42316			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 25' FSL & 1800' FEL Unit O, Sec 6, T19S, R31E At top prod. interval reported below At total depth 312' FNL & 1652' FEL Lot 2, Sec 6, T19S, R31E						10. Field and Pool or Exploratory Hackberry; Bone Spring, N. 11. Sec., T., R., M., on Block and Survey or Area Sec 6, T19S, R31E 12. County or Parish Eddy 13. State NM					
14. Date Spudded 11/14/14		15. Date T.D. Reached 12/8/14		16. Date Completed 1/23/15 ☐ D & A ☒ Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* GL: 3523.8					
18. Total Depth: MD 12427 TVD 7810			19. Plug Back T.D.: MD TVD			20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL / Gamma Ray / CCL						22. Was well cored? ☐ No ☐ Yes (Submit analysis) Was DST run? ☐ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ 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		
17-1/2"	13-3/8" H-40	48#	0	609		640 sx CIC		0	125 sx		
12-1/4"	9-5/8" HCK-55	40#	0	4108	DV @ 683.4	2548 sx cmt		0	176 bbls		
8-3/4"	5-1/2" & 7" P-110	17# & 29#	0	12427		1930 sx CIH		800	195 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"	7429										
25. Producing Intervals											
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
Bone Spring		8015	12225	8015 - 12225			632	open			
A)											
B)											
C)											
D)											
26. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval		Amount and Type of Material									
8015 - 12225		49,637 gals 15% HCl Acid, 4,647,403# 30/50 White, 1,901,612# 20/40 SLC									
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		
1/23/15	2/20/15	24	→	768	3008	1552					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. Opsi	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
		590psi	→				3916.6				
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 page 2)

Pending BLM approvals will subsequently be reviewed and scanned

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	6326			Rustler	560
				Top of Salt	690
				Capitan	2745
				Delaware	4348
				Bone Spring	6326

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 MoravecTitle Regulatory Compliance AnalystSignature Megan MoravecDate 2/24/2015

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.

(Continued on page 3)

(Form 3160-4, page 2)



HELIOS 6 FED COM 4H

DELAWARE BASIN UNRESTRICTED

Directional Survey

District DELAWARE BASIN	County EDDY	Field Name HACKBERRY	Project Group DELAWARE SLOPE EAST	State/Province NM		
Surface Legal Location Sec. 6 T19S R31E	API/UWI 3001542316	Latitude (°) 32° 40' 56" N	Longitude (°) 103° 54' 21.52" W	Ground Elev M... 3,523.80	Orig KB Elev (ft) 3,550.00	Tubing Head Elevation (ft)

Wellbores

Wellbore Name OH	Parent Wellbore	SAP Well ID 37263	Vertical Section Direction (°) 1.03
---------------------	-----------------	----------------------	--

Kick Offs & Key Depths

Date	Type	Top Depth (ftKB)	
	Fill Depth	0.0	
Date	Type	Top Depth (ftKB)	
12/2/2014	Kick Off	7,369.0	
Actual Deviation Survey	Definitive?	Proposed?	Proposed Deviation Survey
FLODRIFT/MWD, Proposed? No	Yes	No	

Deviation Survey

Date 11/14/2014		Description FLODRIFT/MWD			
MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00	Inclination Tie In (°) 0.00	Azimuth Tie In (°) 0.00	NSTie In (ft) 0.00	EW Tie In (ft) 0.00

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
12/2/2014	197.00	0.35	162.11	197.00	-0.57	-0.57	0.18	0.18	MWD	NOV
12/2/2014	209.00	0.41	292.87	209.00	-0.59	-0.59	0.16	5.76	MWD	NOV
12/2/2014	369.00	0.51	282.52	368.99	-0.23	-0.21	-1.07	0.08	MWD	NOV
12/2/2014	486.00	0.69	268.85	485.99	-0.16	-0.12	-2.28	0.20	MWD	NOV
12/2/2014	569.00	0.71	257.06	568.98	-0.30	-0.24	-3.28	-0.17	MWD	NOV
12/2/2014	657.00	0.75	244.87	656.97	-0.68	-0.61	-4.33	0.18	MWD	NOV
12/2/2014	844.00	0.83	303.27	843.96	-0.50	-0.38	-6.57	0.41	MWD	NOV
12/2/2014	971.00	0.92	298.31	970.94	0.46	0.60	-8.24	0.09	MWD	NOV
12/2/2014	1,097.00	1.05	303.48	1,096.93	1.54	1.72	-10.09	0.12	MWD	NOV
12/2/2014	1,222.00	1.15	312.73	1,221.90	2.99	3.20	-11.97	0.16	MWD	NOV
12/2/2014	1,344.00	1.28	310.31	1,343.88	4.67	4.92	-13.91	0.11	MWD	NOV
12/2/2014	1,467.00	1.17	313.71	1,466.85	6.39	6.67	-15.86	0.11	MWD	NOV
12/2/2014	1,587.00	1.22	312.59	1,586.82	8.06	8.38	-17.69	0.05	MWD	NOV
12/2/2014	1,679.00	1.15	314.85	1,678.80	9.35	9.70	-19.07	0.09	MWD	NOV
12/2/2014	1,805.00	1.30	327.67	1,804.77	11.42	11.80	-20.73	0.25	MWD	NOV
12/2/2014	1,865.00	1.28	330.70	1,864.76	12.57	12.96	-21.42	0.12	MWD	NOV
12/2/2014	1,960.00	1.27	336.12	1,959.73	14.44	14.84	-22.36	0.13	MWD	NOV
12/2/2014	2,054.00	1.40	353.77	2,053.71	16.52	16.94	-22.91	0.46	MWD	NOV
12/2/2014	2,149.00	1.46	1.67	2,148.68	18.89	19.30	-23.00	0.22	MWD	NOV
12/2/2014	2,246.00	1.51	1.88	2,245.65	21.40	21.81	-22.92	0.05	MWD	NOV
12/2/2014	2,341.00	1.57	357.56	2,340.61	23.95	24.37	-22.94	0.14	MWD	NOV
12/2/2014	2,435.00	1.54	356.62	2,434.58	26.49	26.91	-23.07	0.04	MWD	NOV
12/2/2014	2,530.00	1.65	0.95	2,529.54	29.13	29.56	-23.12	0.17	MWD	NOV
12/2/2014	2,624.00	1.57	359.93	2,623.50	31.78	32.20	-23.10	0.09	MWD	NOV
12/2/2014	2,719.00	1.56	3.13	2,718.47	34.37	34.79	-23.03	0.09	MWD	NOV
12/2/2014	2,812.00	1.46	1.45	2,811.44	36.82	37.24	-22.93	0.12	MWD	NOV
12/2/2014	2,905.00	1.53	5.45	2,904.40	39.24	39.66	-22.78	0.14	MWD	NOV
12/2/2014	2,999.00	1.58	4.09	2,998.37	41.79	42.20	-22.57	0.07	MWD	NOV
12/2/2014	3,093.00	1.58	5.30	3,092.33	44.37	44.78	-22.36	0.04	MWD	NOV
12/2/2014	3,191.00	1.71	5.05	3,190.29	47.18	47.58	-22.10	0.13	MWD	NOV
12/2/2014	3,286.00	1.82	4.71	3,285.25	50.10	50.50	-21.86	0.12	MWD	NOV
12/2/2014	3,380.00	1.90	7.79	3,379.20	53.14	53.53	-21.52	0.14	MWD	NOV
12/2/2014	3,474.00	1.92	5.74	3,473.15	56.25	56.64	-21.15	0.08	MWD	NOV
12/2/2014	3,566.00	2.03	6.70	3,565.09	59.41	59.79	-20.81	0.12	MWD	NOV
12/2/2014	3,658.00	2.15	5.87	3,657.03	62.75	63.13	-20.44	0.13	MWD	NOV
12/2/2014	3,752.00	2.15	8.48	3,750.96	66.26	66.63	-20.00	-0.10	MWD	NOV
12/2/2014	3,810.00	2.14	7.15	3,808.92	68.41	68.78	-19.71	0.09	MWD	NOV
12/2/2014	4,000.00	2.39	8.50	3,998.78	75.87	76.22	-18.68	0.13	MWD	NOV
12/2/2014	4,058.00	2.34	6.89	4,056.73	78.24	78.59	-18.36	0.14	MWD	NOV
12/2/2014	4,108.00	2.23	12.67	4,106.69	80.21	80.55	-18.02	0.51	MWD	NOV
12/2/2014	4,201.00	2.31	0.77	4,199.61	83.86	84.19	-17.60	0.51	MWD	NOV
12/2/2014	4,297.00	2.35	11.59	4,295.54	87.73	88.05	-17.18	0.46	MWD	NOV
12/2/2014	4,392.00	2.32	5.83	4,390.46	91.56	91.87	-16.59	0.25	MWD	NOV
12/2/2014	4,487.00	2.40	8.05	4,485.38	95.45	95.75	-16.12	0.13	MWD	NOV
12/2/2014	4,580.00	2.19	12.97	4,578.30	99.12	99.41	-15.45	0.31	MWD	NOV
12/2/2014	4,674.00	2.24	10.41	4,672.23	102.69	102.97	-14.71	0.12	MWD	NOV



HELIOS 6 FED COM 4H

DELAWARE BASIN UNRESTRICTED

Directional Survey

District DELAWARE BASIN	County EDDY	Field Name HACKBERRY	Project Group DELAWARE SLOPE EAST	State/Province NM
Surface Legal Location Sec. 6 T19S R31E	API/UWI 3001542316	Latitude (") 32° 40' 56" N	Longitude (") 103° 54' 21.52" W	Ground Elev M. 3,523.80
				Orig KB Elev (ft) 3,550.00
				Tubing Head Elevation (ft)

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS ("/100ft)	Survey Tool	Survey Company
12/2/2014	4,769.00	2.19	15.88	4,767.16	106.28	106.54	-13.88	0.23	MWD	NOV
12/2/2014	4,864.00	1.98	15.84	4,862.10	109.62	109.87	-12.94	0.22	MWD	NOV
12/2/2014	4,959.00	2.00	13.10	4,957.04	112.82	113.06	-12.11	0.10	MWD	NOV
12/2/2014	5,054.00	2.05	14.79	5,051.98	116.10	116.32	-11.30	0.08	MWD	NOV
12/2/2014	5,147.00	2.02	18.37	5,144.92	119.28	119.48	-10.36	0.14	MWD	NOV
12/2/2014	5,242.00	1.96	23.67	5,239.86	122.37	122.56	-9.18	0.20	MWD	NOV
12/2/2014	5,336.00	1.79	28.05	5,333.81	125.17	125.33	-7.85	0.24	MWD	NOV
12/2/2014	5,430.00	1.93	24.60	5,427.77	127.92	128.06	-6.50	0.19	MWD	NOV
12/2/2014	5,524.00	1.85	25.37	5,521.71	130.76	130.87	-5.19	0.09	MWD	NOV
12/2/2014	5,619.00	1.86	26.55	5,616.66	133.55	133.64	-3.84	0.04	MWD	NOV
12/2/2014	5,714.00	1.91	30.29	5,711.61	136.32	136.38	-2.35	0.14	MWD	NOV
12/2/2014	5,808.00	1.85	35.69	5,805.56	138.93	138.97	-0.68	0.20	MWD	NOV
12/2/2014	5,903.00	2.00	32.66	5,900.51	141.61	141.61	1.11	0.19	MWD	NOV
12/2/2014	5,998.00	1.90	36.93	5,995.45	144.29	144.26	2.95	0.19	MWD	NOV
12/2/2014	6,091.00	1.91	38.92	6,088.40	146.77	146.70	4.85	0.07	MWD	NOV
12/2/2014	6,186.00	2.04	37.89	6,183.35	149.37	149.27	6.88	0.14	MWD	NOV
12/2/2014	6,280.00	2.44	33.58	6,277.27	152.39	152.26	9.02	0.46	MWD	NOV
12/2/2014	6,374.00	2.28	33.42	6,371.19	155.66	155.48	11.16	0.17	MWD	NOV
12/2/2014	6,468.00	2.29	35.33	6,465.12	158.79	158.58	13.27	0.08	MWD	NOV
12/2/2014	6,562.00	2.09	36.33	6,559.05	161.74	161.49	15.37	0.22	MWD	NOV
12/2/2014	6,661.00	1.96	42.35	6,657.99	164.48	164.19	17.58	0.25	MWD	NOV
12/2/2014	6,755.00	2.08	39.41	6,751.93	167.03	166.70	19.75	0.17	MWD	NOV
12/2/2014	6,850.00	1.87	44.05	6,846.87	169.51	169.15	21.92	0.28	MWD	NOV
12/2/2014	6,940.00	2.16	51.52	6,936.82	171.67	171.26	24.27	0.43	MWD	NOV
12/2/2014	7,035.00	2.07	62.55	7,031.75	173.62	173.16	27.19	0.44	MWD	NOV
12/2/2014	7,129.00	1.98	68.81	7,125.70	175.05	174.53	30.21	0.25	MWD	NOV
12/2/2014	7,223.00	1.90	77.86	7,219.64	176.02	175.45	33.25	0.34	MWD	NOV
12/2/2014	7,288.00	1.92	80.04	7,284.61	176.47	175.86	35.38	0.12	MWD	NOV
12/2/2014	7,323.00	1.85	74.58	7,319.59	176.74	176.11	36.50	0.55	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,354.00	3.69	19.85	7,350.55	177.83	177.18	37.32	9.76	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,386.00	6.24	14.36	7,382.43	180.49	179.84	38.10	8.10	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,417.00	9.06	17.31	7,413.15	184.48	183.80	39.25	9.18	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,449.00	12.75	15.63	7,444.57	190.31	189.61	40.95	11.57	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,480.00	16.18	13.00	7,474.58	197.85	197.11	42.84	11.26	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,512.00	19.52	11.38	7,505.04	207.48	206.70	44.90	10.55	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,543.00	22.69	9.91	7,533.95	218.48	217.67	46.95	10.37	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,575.00	25.85	8.93	7,563.12	231.49	230.65	49.10	9.95	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,606.00	28.58	8.45	7,590.69	245.54	244.66	51.24	8.83	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,638.00	31.83	7.52	7,618.34	261.52	260.60	53.47	10.26	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,669.00	33.85	6.71	7,644.39	278.24	277.28	55.54	6.67	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,701.00	36.05	5.01	7,670.61	296.50	295.52	57.41	7.52	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,732.00	39.39	3.53	7,695.13	315.43	314.43	58.81	11.16	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,764.00	41.86	2.40	7,719.42	336.25	335.23	59.88	8.05	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,795.00	45.20	1.68	7,741.89	357.60	356.57	60.64	10.89	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,826.00	49.24	1.08	7,762.94	380.35	379.31	61.18	13.11	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,858.00	52.67	0.92	7,783.10	405.20	404.15	61.62	10.73	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,890.00	55.84	0.54	7,801.79	431.16	430.12	61.95	9.95	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,921.00	59.79	0.97	7,818.30	457.39	456.35	62.29	12.80	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,953.00	62.87	0.93	7,833.65	485.47	484.42	62.76	9.63	MWD	PATHFINDER ENERGY SE...
12/2/2014	7,984.00	65.69	1.48	7,847.10	513.39	512.34	63.35	9.24	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,015.00	69.12	1.12	7,859.01	542.01	540.95	64.00	11.12	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,047.00	72.11	1.40	7,869.63	572.19	571.12	64.66	9.38	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,078.00	75.53	2.36	7,878.26	601.96	600.87	65.64	11.43	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,110.00	79.14	3.40	7,885.28	633.15	632.05	67.21	11.72	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,141.00	83.10	2.79	7,890.06	663.76	662.63	68.86	12.92	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,173.00	87.05	2.41	7,892.81	695.62	694.47	70.31	12.40	MWD	PATHFINDER ENERGY SE...



HELIOS 6 FED COM 4H

DELAWARE BASIN UNRESTRICTED

Directional Survey

District DELAWARE BASIN	County EDDY	Field Name HACKBERRY	Project Group DELAWARE SLOPE EAST	State/Province NM
Surface Legal Location Sec. 6 T19S R31E	API/UWI 3001542316	Latitude (°) 32° 40' 56" N	Longitude (°) 103° 54' 21.52" W	Ground Elev M... 3,523.80
				Orig KB Elev (ft) 3,550.00
				Tubing Head Elevation (ft)

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
12/2/2014	8,200.00	89.60	2.71	7,893.60	722.60	721.43	71.51	9.51	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,236.00	89.69	2.89	7,893.82	758.58	757.38	73.27	0.56	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,331.00	90.66	0.54	7,893.53	853.56	852.33	76.11	2.68	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,425.00	90.57	0.31	7,892.52	947.55	946.33	76.81	0.26	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,520.00	91.36	358.90	7,890.92	1,042.51	1,041.31	76.16	1.70	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,614.00	89.43	358.25	7,890.28	1,136.41	1,135.27	73.82	2.17	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,708.00	89.34	1.32	7,891.28	1,230.38	1,229.25	73.47	3.27	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,803.00	89.25	1.80	7,892.45	1,325.36	1,324.21	76.05	0.51	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,898.00	89.34	359.49	7,893.62	1,420.35	1,419.19	77.12	2.43	MWD	PATHFINDER ENERGY SE...
12/2/2014	8,992.00	91.36	359.39	7,893.05	1,514.31	1,513.18	76.20	2.15	MWD	PATHFINDER ENERGY SE...
12/2/2014	9,086.00	90.40	359.36	7,891.60	1,608.25	1,607.16	75.18	1.02	MWD	PATHFINDER ENERGY SE...
12/2/2014	9,180.00	90.40	359.36	7,890.95	1,702.21	1,701.15	74.13	0.00	MWD	PATHFINDER ENERGY SE...
12/2/2014	9,275.00	90.75	359.81	7,890.00	1,797.18	1,796.15	73.44	0.60	MWD	PATHFINDER ENERGY SE...
12/2/2014	9,369.00	90.92	0.73	7,888.63	1,891.16	1,890.13	73.88	1.00	MWD	PATHFINDER ENERGY SE...
12/2/2014	9,463.00	91.28	1.23	7,886.82	1,985.14	1,984.10	75.49	0.66	MWD	PATHFINDER ENERGY SE...
12/2/2014	9,558.00	91.19	0.60	7,884.77	2,080.12	2,079.07	77.01	0.67	MWD	PATHFINDER ENERGY SE...
12/2/2014	9,652.00	91.54	1.12	7,882.53	2,174.09	2,173.03	78.42	0.67	MWD	PATHFINDER ENERGY SE...
12/2/2014	9,747.00	91.98	1.93	7,879.62	2,269.04	2,267.95	80.94	0.97	MWD	PATHFINDER ENERGY SE...
12/2/2014	9,841.00	92.24	2.28	7,876.16	2,362.96	2,361.82	84.39	0.46	MWD	PATHFINDER ENERGY SE...
12/2/2014	9,936.00	91.80	2.88	7,872.81	2,457.86	2,456.67	88.67	0.78	MWD	PATHFINDER ENERGY SE...
12/2/2014	10,030.00	91.80	1.72	7,869.85	2,551.79	2,550.54	92.44	1.23	MWD	PATHFINDER ENERGY SE...
12/2/2014	10,125.00	91.63	359.78	7,867.01	2,646.75	2,645.49	93.68	2.05	MWD	PATHFINDER ENERGY SE...
12/2/2014	10,219.00	91.71	0.18	7,864.27	2,740.69	2,739.45	93.65	0.43	MWD	PATHFINDER ENERGY SE...
12/2/2014	10,313.00	92.77	359.90	7,860.60	2,834.60	2,833.38	93.71	1.17	MWD	PATHFINDER ENERGY SE...
12/2/2014	10,408.00	91.54	357.18	7,857.02	2,929.43	2,928.27	91.30	3.14	MWD	PATHFINDER ENERGY SE...
12/2/2014	10,503.00	92.07	357.66	7,854.03	3,024.20	3,023.12	87.02	0.75	MWD	PATHFINDER ENERGY SE...
12/2/2014	10,597.00	90.66	358.15	7,851.79	3,118.03	3,117.03	83.59	1.59	MWD	PATHFINDER ENERGY SE...
12/2/2014	10,692.00	91.10	358.50	7,850.33	3,212.91	3,211.98	80.81	0.59	MWD	PATHFINDER ENERGY SE...
12/2/2014	10,785.00	91.54	358.93	7,848.19	3,305.81	3,304.93	78.72	0.66	MWD	PATHFINDER ENERGY SE...
12/2/2014	10,880.00	91.98	359.34	7,845.27	3,400.71	3,399.87	77.29	0.63	MWD	PATHFINDER ENERGY SE...
12/2/2014	10,974.00	90.75	359.53	7,843.03	3,494.65	3,493.84	76.36	1.32	MWD	PATHFINDER ENERGY SE...
12/2/2014	11,069.00	91.19	359.69	7,841.43	3,589.61	3,588.82	75.72	0.49	MWD	PATHFINDER ENERGY SE...
12/2/2014	11,163.00	91.45	0.31	7,839.26	3,683.56	3,682.80	75.72	0.72	MWD	PATHFINDER ENERGY SE...
12/2/2014	11,258.00	91.54	0.67	7,836.78	3,778.53	3,777.76	76.53	0.39	MWD	PATHFINDER ENERGY SE...
12/2/2014	11,353.00	92.33	0.97	7,833.57	3,873.47	3,872.70	77.89	0.89	MWD	PATHFINDER ENERGY SE...
12/2/2014	11,447.00	90.66	0.27	7,831.12	3,967.43	3,966.66	78.90	1.93	MWD	PATHFINDER ENERGY SE...
12/2/2014	11,542.00	91.01	0.53	7,829.74	4,062.42	4,061.64	79.57	0.46	MWD	PATHFINDER ENERGY SE...
12/2/2014	11,636.00	91.36	1.16	7,827.79	4,156.40	4,155.61	80.95	0.77	MWD	PATHFINDER ENERGY SE...
12/2/2014	11,731.00	91.63	1.48	7,825.32	4,251.36	4,250.56	83.14	0.44	MWD	PATHFINDER ENERGY SE...
12/2/2014	11,825.00	90.57	1.00	7,823.51	4,345.34	4,344.51	85.18	1.24	MWD	PATHFINDER ENERGY SE...
12/2/2014	11,920.00	90.84	1.00	7,822.34	4,440.34	4,439.49	86.83	0.28	MWD	PATHFINDER ENERGY SE...
12/2/2014	12,014.00	91.28	1.45	7,820.60	4,534.32	4,533.45	88.84	0.67	MWD	PATHFINDER ENERGY SE...
12/2/2014	12,109.00	91.54	1.77	7,818.27	4,629.29	4,628.39	91.51	0.43	MWD	PATHFINDER ENERGY SE...
12/2/2014	12,203.00	91.10	359.93	7,816.10	4,723.26	4,722.35	92.90	2.01	MWD	PATHFINDER ENERGY SE...
12/2/2014	12,298.00	91.19	357.57	7,814.20	4,818.15	4,817.30	90.83	2.49	MWD	PATHFINDER ENERGY SE...
12/2/2014	12,369.00	92.07	359.04	7,812.18	4,889.04	4,888.24	88.73	2.41	MWD	PATHFINDER ENERGY SE...
12/2/2014	12,427.00	92.07	359.04	7,810.09	4,946.97	4,946.19	87.76	0.00	BIT	PATHFINDER ENERGY SE...

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
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.
NMNM66437

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
HELIOS 6 FED COM 4H

2. Name of Operator

DEVON ENERGY PRODUCTION COMPAN

Contact: MEGAN MORAVEC

E-mail: megan.moravec@dnv.com

9. API Well No.
30-015-42316

3a. Address

333 WEST SHERIDAN AVENUE
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)

Ph: 405-552-3622

10. Field and Pool, or Exploratory
HACKBERRY; BONE SPRING, N

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

Sec 6 T19S R31E SWSE 25FSL 1800FEL

11. County or Parish, and State

EDDY COUNTY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Drilling Operations
	☐ 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 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 shall 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 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.)

(11/14/14-11/16/14) Spud @ 02:00. TD 17-1/2? hole @ 609?. RIH w/ 15 jts 13-3/8? 48# H-40 STC csg, set @ 609?. Lead w/ 410 sx CIC, yld 1.74 cu ft/sk. Tail w/ 230 sx CIC, yld 1.35 cu ft/sk. Disp w/ 90 bbls displacement. Circ 125 sx cmt to surf. PT all BOPE @ 250/3000 psi, held all tests for 10 min, OK. PT csg to 1211 psi, OK.

(11/22/14-11/27/14) TD 12-1/4? hole @ 4108?. RIH w/ 90 jts 9-5/8? 40# HCK-55 BTC csg, set @ 4108?. 1st stage lead w/ 1409 sx CIC, yld 1.73 cu ft/sk. Tail w/ 510 sx CIC, yld 1.38 cu ft/sk. Disp w/ 308 bbls FW. Open DVT set @ 683.4?. Circ 173 bbls cmt off top of DVT. 2nd stage lead w/ 100 sx Thixotropic cmt, yld 1.50 cu ft/sk. 2nd lead w/ 211 sx CIC, yld 1.65 cu ft/sk. Tail w/ 106 sx CIC, yld 1.38 cu ft/sk. Disp w/ 308 bbls FW. Closed DVT, no circ to surf. Pump 25 sx CIC, yld 1.35 cu ft/sk. Tail w/ 187 sx CIC, yld 1.35 cu ft/sk. Circ 12 sx cmt to surf. TOC @ 580?. PT all BOPE @ 250/3000 psi, held all tests 10 min, OK. PT csg to 1500 psi, OK.

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

**Electronic Submission #285983 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION COMPAN, sent to the Carlsbad**

Name (Printed/Typed) MEGAN MORAVEC

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 12/22/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____

Title _____

Date _____

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 _____

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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #285983 that would not fit on the form

32. Additional remarks, continued

(12/8/14-12/11/14) TD 8-3/4? hole @ 12427?. RIH w/ 167 jts ?? 29# P-110 BTC csg, followed by 115 jts 5-1/2? 17# P-110 BTC csg, set @ 12427?. 1st lead w/ 613 sx CIH, yld 2.30 cu ft/sk. 2nd lead w/ 117 sx CIH, yld 2.30 cu ft/sk. Tail w/ 1200 sx CIH, yld 1.28 cu ft/sk. Disp w/ 390 bbls FW. Circ 195 sx cmt to surf. RR @ 19:00.