

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

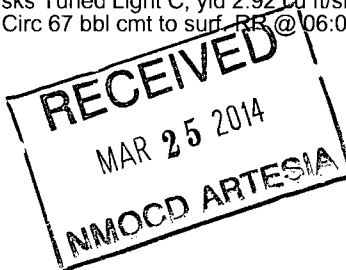
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM0560289
2. Name of Operator DEVON ENERGY PRODUCTION CO LP		6. If Indian, Allottee or Tribe Name
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102		7. If Unit or CA/Agreement, Name and/or No. 891012391X
3b. Phone No. (include area code) Ph: 405.552.3622		8. Well Name and No. BURTON FLAT DEEP UNIT 58H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 2 T21S R27E NWSW 1520FSL 50FWL		9. API Well No. 30-015-41057-00-X1
		10. Field and Pool, or Exploratory E AVALON
		11. County or Parish, and State EDDY 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 Drilling Operations
	☐ 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 recompleate 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 recompleation 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.)

(11/27/13-12/3/13) TD 8-3/4" hole @ 11712'. RIH w/ 261 jts 5-1/2" 17# RYP-110 DWC csg, set @ 11712'. Lead w/ 580 sks Tuned Light C, yld 2.92 cu ft/sk. Tail w/ 1810 sks Versacem H, yld 1.22 cu ft/sk. Disp w/ 261 bbl KCl. Circ 67 bbl cmt to surf. RT @ 06:00 hrs on 11/27/13. PT csg to 1500 psi for 30 minutes.



Accepted for record
URS NMOCD 3/25/2014

14. I hereby certify that the foregoing is true and correct. Electronic Submission #228477 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad Committed to AFMSS for processing by JOHNNY DICKERSON on 12/12/2013 (14JLD1704SE)	
Name(Printed/Typed) Megan Moravec	Title
Signature <i>Megan Moravec</i>	Date 3/24/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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 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 ****



BURTON FLAT DEEP UNIT 58H

WEST UNRESTRICTED

Directional Survey

District PERMIAN BASIN	County EDDY	Field Name BURTON FLAT	Project Group DELAWARE BASIN	State/Province NM
Surface Legal Location SEC2 T21S R27E	API/UWI 3001541057	Latitude (°) 32° 30' 22.298" N	Longitude (°) 104° 10' 7.606" W	Ground Elev... 3,214.40
			KB - GL (ft) 25.00	Orig KB Elev (ft) 3,239.40
				Tubing Head Elevation (ft)

Wellbores

Wellbore Name OH	Parent Wellbore OH	Kick Off Depth (ftKB)	Vertical Section Direction (°) 0.00
Actual Deviation Survey MWD, Proposed? No	Definitive? No	Proposed? No	Proposed Deviation Survey

Deviation Survey

Date 11/17/2013		Description MWD			
MD Tie In (ftKB) 2,744.00	TVD Tie In (ftKB) 0.00	Inclination Tie In (°) 0.57	Azimuth Tie In (°) 276.30	NSTie In (ft) -2.68	EW Tie In (ft) -41.91

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
11/17/2...	0.00	0.00	0.00	0.00	-2.68	-2.68	-41.91		GYRO	VAUHGN ENERGY SERVICES
11/17/2...	100.00	0.17	302.51	100.00	-2.60	-2.60	-42.04	0.17	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	200.00	0.99	247.08	199.99	-2.86	-2.86	-42.96	0.90	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	300.00	1.10	243.52	299.98	-3.62	-3.62	-44.61	0.13	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	400.00	1.19	253.19	399.96	-4.35	-4.35	-46.46	0.21	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	500.00	1.23	243.32	499.94	-5.13	-5.13	-48.42	0.21	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	600.00	1.68	229.04	599.90	-6.57	-6.57	-50.48	0.57	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	700.00	1.28	229.59	699.87	-8.26	-8.26	-52.44	0.40	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	800.00	1.12	227.46	799.85	-9.64	-9.64	-54.01	0.17	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	900.00	1.36	241.52	899.82	-10.87	-10.87	-55.77	0.39	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	1,000.00	1.27	266.46	999.80	-11.51	-11.51	-57.92	0.57	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	1,100.00	1.52	283.24	1,099.77	-11.27	-11.27	-60.32	0.48	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	1,200.00	1.43	281.60	1,199.74	-10.72	-10.72	-62.83	0.10	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	1,300.00	1.45	283.98	1,299.71	-10.16	-10.16	-65.28	0.06	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	1,400.00	1.44	290.90	1,399.67	-9.41	-9.41	-67.69	0.17	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	1,500.00	1.12	295.24	1,499.65	-8.54	-8.54	-69.74	0.33	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	1,600.00	0.87	289.75	1,599.63	-7.87	-7.87	-71.34	0.27	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	1,700.00	0.72	276.06	1,699.62	-7.54	-7.54	-72.68	0.24	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	1,800.00	0.97	285.78	1,799.61	-7.25	-7.25	-74.12	0.29	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	1,900.00	0.74	287.82	1,899.60	-6.82	-6.82	-75.55	0.23	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	2,000.00	0.74	281.70	1,999.59	-6.49	-6.49	-76.80	0.08	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	2,100.00	0.78	261.75	2,099.58	-6.46	-6.46	-78.10	0.27	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	2,200.00	0.57	254.05	2,199.58	-6.69	-6.69	-79.25	0.23	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	2,300.00	0.51	265.55	2,299.57	-6.86	-6.86	-80.18	0.12	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	2,400.00	0.60	289.66	2,399.57	-6.72	-6.72	-81.11	0.25	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	2,500.00	0.62	297.93	2,499.56	-6.29	-6.29	-82.08	0.09	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	2,600.00	0.40	303.58	2,599.56	-5.85	-5.85	-82.85	0.23	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	2,700.00	0.42	302.01	2,699.56	-5.46	-5.46	-83.46	0.02	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	2,744.00	0.57	276.30	2,743.55	-5.35	-5.35	-83.81	0.60	GYRO	VAUHGN ENERGY SERVICES
11/17/2...	2,819.00	0.53	279.55	2,818.55	-5.25	-5.25	-84.52	0.07	MWD	LEAM DRILLING SYSTEMS
11/17/2...	2,913.00	3.52	266.90	2,912.48	-5.33	-5.33	-87.83	3.20	MWD	LEAM DRILLING SYSTEMS
11/17/2...	3,008.00	3.61	265.14	3,007.30	-5.75	-5.75	-93.73	0.15	MWD	LEAM DRILLING SYSTEMS
11/17/2...	3,103.00	3.96	241.23	3,102.10	-7.58	-7.58	-99.58	1.69	MWD	LEAM DRILLING SYSTEMS
11/17/2...	3,197.00	3.87	211.35	3,195.89	-11.85	-11.85	-104.08	2.15	MWD	LEAM DRILLING SYSTEMS
11/17/2...	3,292.00	4.22	187.80	3,290.66	-18.05	-18.05	-106.22	1.77	MWD	LEAM DRILLING SYSTEMS
11/17/2...	3,387.00	4.04	164.42	3,385.42	-24.74	-24.74	-105.80	1.77	MWD	LEAM DRILLING SYSTEMS
11/17/2...	3,482.00	3.96	163.20	3,480.19	-31.10	-31.10	-103.95	0.12	MWD	LEAM DRILLING SYSTEMS
11/17/2...	3,576.00	3.78	164.42	3,573.97	-37.19	-37.19	-102.18	0.21	MWD	LEAM DRILLING SYSTEMS
11/17/2...	3,671.00	3.61	165.82	3,668.77	-43.11	-43.11	-100.60	0.20	MWD	LEAM DRILLING SYSTEMS
11/17/2...	3,766.00	3.43	162.48	3,763.59	-48.72	-48.72	-99.02	0.29	MWD	LEAM DRILLING SYSTEMS
11/17/2...	3,861.00	3.43	162.31	3,858.42	-54.14	-54.14	-97.30	0.01	MWD	LEAM DRILLING SYSTEMS
11/17/2...	3,956.00	3.25	165.12	3,953.26	-59.45	-59.45	-95.74	0.26	MWD	LEAM DRILLING SYSTEMS
11/17/2...	4,145.00	3.17	161.96	4,141.97	-69.59	-69.59	-92.75	0.10	MWD	LEAM DRILLING SYSTEMS
11/17/2...	4,240.00	2.90	163.54	4,236.83	-74.40	-74.40	-91.25	0.30	MWD	LEAM DRILLING SYSTEMS
11/17/2...	4,334.00	2.81	165.47	4,330.72	-78.91	-78.91	-90.00	0.14	MWD	LEAM DRILLING SYSTEMS
11/17/2...	4,429.00	2.61	163.36	4,425.61	-83.23	-83.23	-88.80	0.24	MWD	LEAM DRILLING SYSTEMS
11/17/2...	4,523.00	2.64	165.30	4,519.51	-87.38	-87.38	-87.64	0.10	MWD	LEAM DRILLING SYSTEMS

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Survey Data

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11/17/2...	4,617.00	2.55	167.58	4,613.42	-91.51	-91.51	-86.64	0.15	MWD	LEAM DRILLING SYSTEMS
11/17/2...	4,712.00	2.46	165.82	4,708.32	-95.55	-95.55	-85.68	0.12	MWD	LEAM DRILLING SYSTEMS
11/17/2...	4,807.00	0.79	163.54	4,803.28	-98.16	-98.16	-85.00	1.76	MWD	LEAM DRILLING SYSTEMS
11/17/2...	4,902.00	0.53	146.66	4,898.28	-99.15	-99.15	-84.57	0.34	MWD	LEAM DRILLING SYSTEMS
11/17/2...	4,996.00	0.53	167.41	4,992.27	-99.94	-99.94	-84.24	0.20	MWD	LEAM DRILLING SYSTEMS
11/17/2...	5,090.00	0.79	193.42	5,086.27	-101.00	-101.00	-84.29	0.42	MWD	LEAM DRILLING SYSTEMS
11/17/2...	5,185.00	0.70	214.69	5,181.26	-102.11	-102.11	-84.77	0.30	MWD	LEAM DRILLING SYSTEMS
11/17/2...	5,280.00	0.79	214.16	5,276.25	-103.13	-103.13	-85.47	0.10	MWD	LEAM DRILLING SYSTEMS
11/17/2...	5,374.00	1.32	227.70	5,370.23	-104.40	-104.40	-86.64	0.62	MWD	LEAM DRILLING SYSTEMS
11/17/2...	5,468.00	1.67	232.27	5,464.20	-105.96	-105.96	-88.52	0.39	MWD	LEAM DRILLING SYSTEMS
11/17/2...	5,562.00	1.67	225.76	5,558.16	-107.76	-107.76	-90.59	0.20	MWD	LEAM DRILLING SYSTEMS
11/17/2...	5,657.00	1.67	231.04	5,653.12	-109.59	-109.59	-92.65	0.16	MWD	LEAM DRILLING SYSTEMS
11/17/2...	5,752.00	2.20	236.66	5,748.07	-111.46	-111.46	-95.25	0.59	MWD	LEAM DRILLING SYSTEMS
11/17/2...	5,846.00	0.44	239.65	5,842.04	-112.64	-112.64	-97.07	1.87	MWD	LEAM DRILLING SYSTEMS
11/17/2...	5,940.00	0.26	223.48	5,936.04	-112.98	-112.98	-97.53	0.22	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,004.00	0.35	193.60	6,000.04	-113.27	-113.27	-97.68	0.28	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,062.00	0.97	221.02	6,058.03	-113.81	-113.81	-98.04	1.17	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,093.00	5.72	226.47	6,088.97	-115.08	-115.08	-99.33	15.34	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,125.00	10.82	224.18	6,120.63	-118.33	-118.33	-102.59	15.97	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,156.00	15.56	221.02	6,150.80	-123.56	-123.56	-107.34	15.46	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,188.00	20.58	219.96	6,181.21	-131.11	-131.11	-113.78	15.72	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,219.00	24.53	219.44	6,209.84	-140.26	-140.26	-121.37	12.76	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,251.00	27.70	219.61	6,238.57	-151.12	-151.12	-130.33	9.91	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,282.00	30.07	219.08	6,265.71	-162.71	-162.71	-139.82	7.69	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,314.00	32.45	218.73	6,293.06	-175.63	-175.63	-150.25	7.46	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,345.00	35.09	218.38	6,318.83	-189.10	-189.10	-160.99	8.54	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,377.00	38.51	218.73	6,344.45	-204.09	-204.09	-172.93	10.71	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,408.00	42.38	218.56	6,368.03	-219.79	-219.79	-185.49	12.49	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,440.00	45.73	218.73	6,391.03	-237.17	-237.17	-199.38	10.48	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,472.00	48.54	218.21	6,412.80	-255.53	-255.53	-213.97	8.86	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,503.00	51.00	216.45	6,432.82	-274.35	-274.35	-228.32	9.04	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,535.00	53.64	215.22	6,452.38	-294.89	-294.89	-243.14	8.79	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,566.00	56.89	214.69	6,470.04	-315.76	-315.76	-257.73	10.58	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,597.00	60.41	214.51	6,486.16	-337.55	-337.55	-272.76	11.37	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,629.00	63.05	215.74	6,501.32	-360.60	-360.60	-288.98	8.92	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,660.00	64.81	216.62	6,514.94	-383.07	-383.07	-305.42	6.22	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,692.00	66.57	218.38	6,528.11	-406.20	-406.20	-323.17	7.44	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,723.00	67.97	220.14	6,540.09	-428.34	-428.34	-341.26	6.91	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,754.00	70.08	221.02	6,551.19	-450.32	-450.32	-360.09	7.30	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,786.00	73.51	221.19	6,561.19	-473.22	-473.22	-380.08	10.73	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,817.00	77.82	220.67	6,568.86	-495.91	-495.91	-399.75	14.00	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,849.00	82.48	220.49	6,574.33	-519.85	-519.85	-420.25	14.57	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,880.00	86.00	220.49	6,577.44	-543.30	-543.30	-440.28	11.35	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,912.00	88.64	220.32	6,578.94	-567.64	-567.64	-460.99	8.27	MWD	LEAM DRILLING SYSTEMS
11/17/2...	6,944.00	90.31	220.32	6,579.23	-592.04	-592.04	-481.70	5.22	MWD	LEAM DRILLING SYSTEMS
11/17/2...	7,007.00	95.85	222.78	6,575.85	-639.10	-639.10	-523.40	9.62	MWD	LEAM DRILLING SYSTEMS
11/17/2...	7,102.00	97.78	227.52	6,564.57	-705.61	-705.61	-590.25	5.35	MWD	LEAM DRILLING SYSTEMS
11/17/2...	7,197.00	96.11	231.57	6,553.08	-766.78	-766.78	-661.99	4.58	MWD	LEAM DRILLING SYSTEMS
11/17/2...	7,292.00	92.95	234.73	6,545.57	-823.55	-823.55	-737.76	4.70	MWD	LEAM DRILLING SYSTEMS
11/17/2...	7,312.00	92.86	235.08	6,544.56	-835.04	-835.04	-754.10	1.80	MWD	LEAM DRILLING SYSTEMS
11/17/2...	7,406.00	91.63	237.19	6,540.88	-887.37	-887.37	-832.09	2.60	MWD	LEAM DRILLING SYSTEMS
11/17/2...	7,501.00	90.22	240.00	6,539.34	-936.86	-936.86	-913.15	3.31	MWD	LEAM DRILLING SYSTEMS
11/17/2...	7,595.00	89.43	243.34	6,539.63	-981.46	-981.46	-995.88	3.65	MWD	LEAM DRILLING SYSTEMS
11/17/2...	7,690.00	89.43	248.26	6,540.58	-1,020.39	-1,020.39	-1,082.50	5.18	MWD	LEAM DRILLING SYSTEMS
11/17/2...	7,785.00	89.78	252.66	6,541.23	-1,052.16	-1,052.16	-1,172.00	4.65	MWD	LEAM DRILLING SYSTEMS



BURTON FLAT DEEP UNIT 58H

WEST UNRESTRICTED

Directional Survey

District PERMIAN BASIN	County EDDY	Field Name BURTON FLAT	Project Group DELAWARE BASIN	State/Province NM
Surface Legal Location SEC2 T21S R27E	API/UWI 3001541057	Latitude (°) 32° 30' 22.298" N	Longitude (°) 104° 10' 7.606" W	Ground Elev... 3,214.40
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				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
11/17/2...	7,879.00	90.13	256.35	6,541.30	-1,077.26	-1,077.26	-1,262.57	3.94	MWD	LEAM DRILLING SYSTEMS
11/17/2...	7,973.00	92.33	261.62	6,539.29	-1,095.22	-1,095.22	-1,354.78	6.07	MWD	LEAM DRILLING SYSTEMS
11/17/2...	8,068.00	93.47	266.90	6,534.48	-1,104.70	-1,104.70	-1,449.15	5.68	MWD	LEAM DRILLING SYSTEMS
11/17/2...	8,162.00	93.91	270.24	6,528.42	-1,107.04	-1,107.04	-1,542.91	3.58	MWD	LEAM DRILLING SYSTEMS
11/17/2...	8,257.00	93.91	270.76	6,521.95	-1,106.22	-1,106.22	-1,637.68	0.55	MWD	LEAM DRILLING SYSTEMS
11/17/2...	8,351.00	91.89	270.94	6,517.19	-1,104.82	-1,104.82	-1,731.55	2.16	MWD	LEAM DRILLING SYSTEMS
11/17/2...	8,446.00	93.56	271.99	6,512.67	-1,102.40	-1,102.40	-1,826.40	2.08	MWD	LEAM DRILLING SYSTEMS
11/17/2...	8,540.00	93.83	272.52	6,506.62	-1,098.71	-1,098.71	-1,920.14	0.63	MWD	LEAM DRILLING SYSTEMS
11/17/2...	8,635.00	94.70	272.52	6,499.55	-1,094.54	-1,094.54	-2,014.78	0.92	MWD	LEAM DRILLING SYSTEMS
11/17/2...	8,730.00	92.42	271.82	6,493.65	-1,090.95	-1,090.95	-2,109.52	2.51	MWD	LEAM DRILLING SYSTEMS
11/17/2...	8,825.00	91.19	271.64	6,490.66	-1,088.09	-1,088.09	-2,204.43	1.31	MWD	LEAM DRILLING SYSTEMS
11/17/2...	8,918.00	91.89	270.94	6,488.16	-1,085.99	-1,085.99	-2,297.37	1.06	MWD	LEAM DRILLING SYSTEMS
11/17/2...	9,013.00	92.68	270.41	6,484.37	-1,084.88	-1,084.88	-2,392.29	1.00	MWD	LEAM DRILLING SYSTEMS
11/17/2...	9,108.00	92.33	267.07	6,480.22	-1,086.96	-1,086.96	-2,487.16	3.53	MWD	LEAM DRILLING SYSTEMS
11/17/2...	9,202.00	93.65	267.25	6,475.32	-1,091.61	-1,091.61	-2,580.92	1.42	MWD	LEAM DRILLING SYSTEMS
11/17/2...	9,297.00	92.07	267.95	6,470.58	-1,095.59	-1,095.59	-2,675.71	1.82	MWD	LEAM DRILLING SYSTEMS
11/17/2...	9,392.00	94.53	269.01	6,465.11	-1,098.10	-1,098.10	-2,770.51	2.82	MWD	LEAM DRILLING SYSTEMS
11/17/2...	9,486.00	95.67	270.24	6,456.75	-1,098.72	-1,098.72	-2,864.13	1.78	MWD	LEAM DRILLING SYSTEMS
11/17/2...	9,581.00	90.04	265.49	6,452.02	-1,102.26	-1,102.26	-2,958.88	7.75	MWD	LEAM DRILLING SYSTEMS
11/17/2...	9,676.00	89.08	265.49	6,452.75	-1,109.73	-1,109.73	-3,053.59	1.01	MWD	LEAM DRILLING SYSTEMS
11/17/2...	9,771.00	90.40	267.42	6,453.18	-1,115.60	-1,115.60	-3,148.40	2.46	MWD	LEAM DRILLING SYSTEMS
11/17/2...	9,866.00	91.89	268.83	6,451.28	-1,118.71	-1,118.71	-3,243.32	2.16	MWD	LEAM DRILLING SYSTEMS
11/17/2...	9,960.00	92.33	270.76	6,447.82	-1,119.05	-1,119.05	-3,337.25	2.10	MWD	LEAM DRILLING SYSTEMS
11/17/2...	10,054.00	92.07	271.47	6,444.21	-1,117.22	-1,117.22	-3,431.17	0.80	MWD	LEAM DRILLING SYSTEMS
11/17/2...	10,149.00	92.77	271.47	6,440.20	-1,114.78	-1,114.78	-3,526.05	0.74	MWD	LEAM DRILLING SYSTEMS
11/17/2...	10,243.00	93.65	271.82	6,434.94	-1,112.09	-1,112.09	-3,619.86	1.01	MWD	LEAM DRILLING SYSTEMS
11/17/2...	10,338.00	92.59	271.99	6,429.77	-1,108.94	-1,108.94	-3,714.67	1.13	MWD	LEAM DRILLING SYSTEMS
11/17/2...	10,432.00	93.39	270.59	6,424.86	-1,106.82	-1,106.82	-3,808.51	1.71	MWD	LEAM DRILLING SYSTEMS
11/17/2...	10,527.00	91.36	269.53	6,420.93	-1,106.72	-1,106.72	-3,903.42	2.41	MWD	LEAM DRILLING SYSTEMS
11/17/2...	10,621.00	93.39	270.76	6,417.03	-1,106.49	-1,106.49	-3,997.34	2.52	MWD	LEAM DRILLING SYSTEMS
11/17/2...	10,716.00	90.57	269.89	6,413.75	-1,105.95	-1,105.95	-4,092.27	3.11	MWD	LEAM DRILLING SYSTEMS
11/17/2...	10,811.00	91.36	270.76	6,412.15	-1,105.41	-1,105.41	-4,187.25	1.24	MWD	LEAM DRILLING SYSTEMS
11/17/2...	10,906.00	92.77	271.82	6,408.73	-1,103.27	-1,103.27	-4,282.16	1.86	MWD	LEAM DRILLING SYSTEMS
11/17/2...	11,001.00	91.80	271.29	6,404.94	-1,100.70	-1,100.70	-4,377.05	1.16	MWD	LEAM DRILLING SYSTEMS
11/17/2...	11,096.00	91.98	269.53	6,401.81	-1,100.02	-1,100.02	-4,471.99	1.86	MWD	LEAM DRILLING SYSTEMS
11/17/2...	11,191.00	93.30	268.66	6,397.43	-1,101.52	-1,101.52	-4,566.88	1.66	MWD	LEAM DRILLING SYSTEMS
11/17/2...	11,284.00	92.86	268.66	6,392.43	-1,103.69	-1,103.69	-4,659.72	0.47	MWD	LEAM DRILLING SYSTEMS
11/17/2...	11,378.00	92.51	268.83	6,388.03	-1,105.74	-1,105.74	-4,753.59	0.41	MWD	LEAM DRILLING SYSTEMS
11/17/2...	11,473.00	92.33	268.83	6,384.02	-1,107.68	-1,107.68	-4,848.49	0.19	MWD	LEAM DRILLING SYSTEMS
11/17/2...	11,567.00	92.68	269.01	6,379.91	-1,109.45	-1,109.45	-4,942.38	0.42	MWD	LEAM DRILLING SYSTEMS
11/17/2...	11,648.00	92.77	269.01	6,376.06	-1,110.85	-1,110.85	-5,023.28	0.11	MWD	LEAM DRILLING SYSTEMS
11/17/2...	11,712.00	92.77	269.01	6,372.97	-1,111.96	-1,111.96	-5,087.19	0.00	BIT	LEAM DRILLING SYSTEMS

Wellbore Name OH	Parent Wellbore OH	Kick Off Depth (ftKB)	Vertical Section Direction (°) 0.00
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Actual Deviation Survey	Definitive?	Proposed?	Proposed Deviation Survey
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Deviation Survey

Date	Description
MD Tie In (ftKB)	TVD Tie In (ftKB)
Inclination Tie In (°)	Azimuth Tie In (°)
NSTie In (ft)	EWTie In (ft)

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
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