

Results of Directional Survey

API number:	30-025-41259			
OGRID:		Operator:	DEVON ENERGY PRODUCTION COMPANY, LP	
		Property:	RAGIN CAJUN 13 FEDERAL	# 1H

surface	ULSTR:	N	13	T 26S	R 34E
				330 FSL	1345 FWL

BH Loc	ULSTR:	C	13	T 26S	R 34E
13652	MD	9072.1	TVD	323 FNL	1957 FWL
				4957 FSL	

Top Perf/OH	ULSTR:	N	13	T 26S	R 34E
9167	MD	9047.2	TVD	492 FSL	1681 FWL

Bot Perf/OH	ULSTR:	C	13	T 26S	R 34E
13546	MD	9071.7	TVD	429 FNL	1947 FWL
				4851 FSL	

	MD	N/S	E/W	VD
	9135	134.13	337.77	9031.21
TOP PERFS/OH	9167	161.80	336.07	9047.18
	9167	161.80	336.07	9047.18
	13479	4454.57	596.62	9071.73
BOT PERFS/OH	13546	4521.33	602.21	9071.72
	13574	4549.23	604.55	9071.71

NEXT TO LAST	13592	4567.14	606.40	9071.78
LAST READING	13652	4626.84	612.43	9072.08
TD	13652	4626.84	612.43	9072.08

Surface Location	330	FS	1345	FW
Projected BHL	4957	FS	1957	FW
Location of				
Top Perfs/OH	492	FS	1681	FW
Bottom Perfs/OH	4851	FS	1947	FW

SUMMARY of Subsurface Locations

Surface Location	N-13-26S-34E	330	FS	1345	FW	Vert. Depth
Top Perfs/OH	N-13-26S-34E	492	FS	1681	FW	9047.18
Bottom Perfs/OH	C-13-26S-34E	4851	FS	1947	FW	9071.72
Projected TD	C-13-26S-34E	4957	FS	1957	FW	9072.08

SEP 10. 2014



Directional Survey

District DELAWARE BASIN	County LEA	Field Name RATTLESNAKE (NM)	Project Group DELAWARE BASIN REG	State/Province NM
Surface Legal Location SEC13 T26S R34E	API/UWI 3002541259	Latitude (°) 32° 2' 13.311" N	Longitude (°) 103° 25' 40.152" W	Ground Elev... 3,244.70
			KB - GL (ft) 25.00	Orig KB Elev (ft) 3,269.70
				Tubing Head Elevation (ft)

Wellbores

Wellbore Name OH	Parent Wellbore	SAP Well ID 34825	Kick Off Depth (ftKB) 8,554.0	Vertical Section Direction (°) 7.31
Actual Deviation Survey VES GYRO, Proposed? No	Definitive? Yes	Proposed? No	Proposed Deviation Survey	

Deviation Survey

Date 4/8/2014		Description VES GYRO			
MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EW Tie 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
4/8/2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	91.13	0.18	61.67	91.13	0.08	0.07	0.13	0.20	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	185.98	0.21	67.67	185.98	0.26	0.20	0.42	0.04	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	280.83	0.29	48.26	280.83	0.52	0.43	0.76	0.12	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	375.68	0.63	50.63	375.68	1.08	0.92	1.34	0.36	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	470.53	0.44	41.28	470.52	1.77	1.53	1.98	0.22	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	565.38	0.49	34.25	565.37	2.43	2.13	2.45	0.08	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	660.23	0.36	16.46	660.22	3.08	2.76	2.76	0.19	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	755.08	0.32	0.01	755.06	3.64	3.31	2.85	0.11	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	849.93	0.51	351.01	849.91	4.31	3.99	2.78	0.21	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	944.78	0.64	339.19	944.76	5.18	4.90	2.53	0.18	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	1,039.63	0.27	333.00	1,039.60	5.83	5.59	2.24	0.39	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	1,134.48	0.60	344.16	1,134.45	6.48	6.27	2.00	0.36	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	1,229.33	0.50	346.85	1,229.30	7.32	7.15	1.77	0.11	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	1,324.18	0.48	358.73	1,324.14	8.10	7.95	1.67	0.11	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	1,419.03	0.65	341.53	1,418.99	8.98	8.86	1.49	0.25	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	1,513.88	0.39	356.34	1,513.83	9.78	9.69	1.30	0.31	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	1,608.73	0.42	354.28	1,608.68	10.43	10.36	1.24	0.04	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	1,703.58	0.57	352.04	1,703.53	11.23	11.17	1.14	0.16	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	1,798.43	0.45	18.98	1,798.37	12.05	11.99	1.20	0.28	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	1,893.28	0.41	35.81	1,893.22	12.71	12.62	1.52	0.14	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	1,988.13	0.39	51.96	1,988.07	13.24	13.09	1.97	0.12	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	2,082.98	0.36	65.12	2,082.92	13.63	13.42	2.50	0.10	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	2,177.83	0.43	76.51	2,177.77	13.91	13.63	3.11	0.11	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	2,272.68	0.44	97.50	2,272.61	14.04	13.66	3.82	0.17	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	2,367.53	0.42	81.88	2,367.46	14.13	13.66	4.53	0.12	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	2,462.38	0.33	63.39	2,462.31	14.37	13.84	5.11	0.16	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	2,557.23	0.48	86.59	2,557.16	14.60	13.98	5.76	0.23	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	2,652.08	0.55	80.89	2,652.00	14.80	14.08	6.60	0.09	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	2,746.93	0.53	76.69	2,746.85	15.09	14.25	7.48	0.05	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	2,841.78	0.54	80.87	2,841.69	15.37	14.42	8.35	0.04	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	2,936.63	0.54	59.13	2,936.54	15.77	14.72	9.17	0.21	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	3,031.48	0.52	59.40	3,031.39	16.31	15.17	9.92	0.02	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	3,126.33	0.59	47.17	3,126.23	16.95	15.72	10.65	0.14	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	3,221.18	0.71	48.26	3,221.07	17.77	16.45	11.45	0.13	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	3,316.03	0.67	59.11	3,315.92	18.56	17.12	12.36	0.14	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	3,410.88	0.94	57.90	3,410.76	19.39	17.82	13.50	0.29	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	3,505.73	1.15	55.50	3,505.59	20.52	18.77	14.94	0.23	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	3,600.58	1.06	55.74	3,600.43	21.74	19.80	16.45	0.10	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	3,695.43	0.96	44.35	3,695.26	22.95	20.87	17.73	0.24	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	3,790.28	0.61	53.72	3,790.10	23.94	21.73	18.70	0.39	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	3,885.13	0.52	47.42	3,884.95	24.61	22.32	19.42	0.12	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	3,979.98	0.47	56.87	3,979.79	25.19	22.83	20.06	0.10	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	4,074.83	0.56	39.71	4,074.64	25.84	23.40	20.68	0.19	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	4,169.68	0.94	45.55	4,169.48	26.84	24.30	21.54	0.41	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	4,264.53	1.15	47.86	4,264.32	28.18	25.48	22.80	0.23	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	4,359.38	1.07	40.57	4,359.15	29.64	26.79	24.08	0.17	GYRO	VAUHG N ENERGY SERVICES



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Survey Data

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4/8/2014	4,454.23	1.05	51.91	4,453.98	31.00	28.00	25.34	0.22	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	4,549.08	1.14	52.53	4,548.81	32.28	29.11	26.77	0.10	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	4,643.93	1.57	69.32	4,643.64	33.56	30.15	28.74	0.61	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	4,738.78	1.97	71.40	4,738.44	34.88	31.12	31.50	0.43	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	4,833.63	1.90	76.21	4,833.24	36.16	32.02	34.57	0.19	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	4,928.48	2.32	78.38	4,928.02	37.35	32.78	37.98	0.45	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	5,023.33	2.81	85.14	5,022.78	38.46	33.36	42.17	0.61	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	5,118.18	2.64	82.62	5,117.52	39.50	33.84	46.66	0.22	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	5,213.03	2.61	82.23	5,212.27	40.62	34.41	50.96	0.04	GYRO	VAUHG N ENERGY SERVICES
4/8/2014	5,319.00	2.50	91.84	5,318.14	41.47	34.67	55.66	0.42	MWD	BAKER
4/8/2014	5,414.00	2.11	101.47	5,413.06	41.54	34.25	59.45	0.58	MWD	BAKER
4/8/2014	5,509.00	2.93	109.69	5,507.97	40.89	33.09	63.45	0.94	MWD	BAKER
4/8/2014	5,603.00	3.93	112.23	5,601.80	39.55	31.06	68.69	1.08	MWD	BAKER
4/8/2014	5,698.00	5.10	118.06	5,696.50	37.21	27.84	75.43	1.32	MWD	BAKER
4/8/2014	5,793.00	5.82	122.04	5,791.07	33.70	23.30	83.24	0.86	MWD	BAKER
4/8/2014	5,887.00	6.69	125.66	5,884.51	29.11	17.58	91.73	1.02	MWD	BAKER
4/8/2014	5,982.00	7.23	124.80	5,978.81	23.72	10.94	101.14	0.58	MWD	BAKER
4/12/2014	6,077.00	7.49	129.40	6,073.03	17.67	3.60	110.83	0.68	MWD	BAKER
4/12/2014	6,172.00	7.31	129.20	6,167.24	11.19	-4.15	120.30	0.19	MWD	BAKER
4/12/2014	6,266.00	7.21	128.55	6,260.48	4.97	-11.61	129.54	0.14	MWD	BAKER
4/12/2014	6,361.00	6.42	128.50	6,354.81	-0.87	-18.63	138.36	0.83	MWD	BAKER
4/12/2014	6,456.00	6.23	128.75	6,449.23	-6.31	-25.16	146.54	0.20	MWD	BAKER
4/12/2014	6,551.00	6.73	130.76	6,543.63	-12.07	-32.02	154.78	0.58	MWD	BAKER
4/12/2014	6,645.00	7.61	126.39	6,636.89	-18.13	-39.31	163.96	1.10	MWD	BAKER
4/12/2014	6,740.00	7.61	125.68	6,731.05	-24.18	-46.71	174.13	0.10	MWD	BAKER
4/12/2014	6,834.00	7.56	125.53	6,824.23	-30.06	-53.94	184.22	0.06	MWD	BAKER
4/12/2014	6,929.00	7.62	124.98	6,918.40	-35.94	-61.18	194.47	0.10	MWD	BAKER
4/12/2014	7,024.00	7.24	126.54	7,012.60	-41.79	-68.35	204.44	0.45	MWD	BAKER
4/12/2014	7,118.00	7.53	124.29	7,105.82	-47.47	-75.35	214.29	0.44	MWD	BAKER
4/12/2014	7,213.00	7.82	121.09	7,199.97	-52.90	-82.20	224.96	0.54	MWD	BAKER
4/12/2014	7,307.00	7.56	121.28	7,293.13	-57.99	-88.71	235.72	0.28	MWD	BAKER
4/12/2014	7,402.00	7.15	123.07	7,387.34	-63.10	-95.18	246.02	0.49	MWD	BAKER
4/12/2014	7,496.00	7.22	118.40	7,480.61	-67.77	-101.18	256.12	0.63	MWD	BAKER
4/12/2014	7,591.00	7.16	116.58	7,574.86	-71.87	-106.67	266.66	0.25	MWD	BAKER
4/12/2014	7,686.00	6.56	118.57	7,669.18	-75.79	-111.91	276.72	0.68	MWD	BAKER
4/12/2014	7,780.00	5.98	115.37	7,762.62	-79.26	-116.58	285.86	0.72	MWD	BAKER
4/12/2014	7,875.00	5.11	112.93	7,857.17	-81.93	-120.35	294.23	0.95	MWD	BAKER
4/12/2014	7,970.00	3.18	110.60	7,951.92	-83.68	-122.92	300.60	2.04	MWD	BAKER
4/12/2014	8,064.00	2.17	99.32	8,045.82	-84.34	-124.13	304.79	1.21	MWD	BAKER
4/12/2014	8,159.00	2.08	92.59	8,140.75	-84.26	-124.50	308.29	0.28	MWD	BAKER
4/12/2014	8,254.00	1.49	82.91	8,235.70	-83.81	-124.42	311.24	0.70	MWD	BAKER
4/12/2014	8,348.00	1.24	68.09	8,329.68	-83.01	-123.89	313.39	0.46	MWD	BAKER
4/12/2014	8,443.00	1.05	66.09	8,424.66	-82.06	-123.16	315.14	0.20	MWD	BAKER
4/12/2014	8,495.00	0.91	68.16	8,476.65	-81.61	-122.81	315.96	0.28	MWD	BAKER
4/12/2014	8,535.00	0.90	61.18	8,516.65	-81.27	-122.54	316.53	0.28	MWD	BAKER
4/12/2014	8,567.00	2.11	42.33	8,548.64	-80.64	-121.98	317.15	4.04	MWD	BAKER
4/12/2014	8,598.00	4.70	36.70	8,579.58	-79.06	-120.54	318.29	8.41	MWD	BAKER
4/12/2014	8,630.00	8.41	30.70	8,611.36	-75.77	-117.48	320.27	11.77	MWD	BAKER
4/12/2014	8,661.00	12.50	25.34	8,641.84	-70.50	-112.50	322.87	13.55	MWD	BAKER
4/12/2014	8,693.00	14.95	18.74	8,672.93	-63.16	-105.46	325.67	9.07	MWD	BAKER
4/12/2014	8,724.00	17.55	13.50	8,702.69	-54.59	-97.12	328.05	9.62	MWD	BAKER
4/12/2014	8,756.00	20.01	8.82	8,732.99	-44.32	-87.02	330.02	9.01	MWD	BAKER
4/12/2014	8,819.00	24.70	4.14	8,791.24	-20.39	-63.22	332.62	7.96	MWD	BAKER
4/12/2014	8,850.00	26.86	2.98	8,819.15	-6.94	-49.77	333.45	7.15	MWD	BAKER
4/15/2014	8,882.00	28.15	2.58	8,847.53	7.80	-35.01	334.17	4.07	MWD	BAKER



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4/15/2014	8,914.00	30.68	3.04	8,875.41	23.46	-19.31	334.94	7.94	MWD	BAKER
4/15/2014	8,946.00	34.73	4.71	8,902.33	40.72	-2.07	336.12	12.97	MWD	BAKER
4/15/2014	8,977.00	38.86	4.70	8,927.15	59.26	16.43	337.65	13.32	MWD	BAKER
4/15/2014	9,009.00	42.74	4.15	8,951.37	80.14	37.28	339.26	12.18	MWD	BAKER
4/15/2014	9,041.00	46.46	1.22	8,974.15	102.53	59.71	340.29	13.28	MWD	BAKER
4/15/2014	9,072.00	50.45	358.47	8,994.71	125.52	82.91	340.21	14.48	MWD	BAKER
4/15/2014	9,104.00	54.78	357.00	9,014.13	150.58	108.30	339.20	14.01	MWD	BAKER
4/15/2014	9,135.00	58.37	356.71	9,031.21	176.02	134.13	337.77	11.61	MWD	BAKER
4/15/2014	9,167.00	61.72	356.26	9,047.18	203.25	161.80	336.07	10.54	MWD	BAKER
4/15/2014	9,198.00	65.33	359.67	9,061.00	230.62	189.52	335.10	15.25	MWD	BAKER
4/16/2014	9,230.00	69.79	1.70	9,073.22	259.99	219.09	335.46	15.12	MWD	BAKER
4/16/2014	9,262.00	74.29	2.72	9,083.08	290.31	249.50	336.64	14.39	MWD	BAKER
4/16/2014	9,293.00	77.34	3.63	9,090.68	320.28	279.50	338.31	10.24	MWD	BAKER
4/16/2014	9,325.00	80.76	3.92	9,096.75	351.63	310.85	340.37	10.72	MWD	BAKER
4/16/2014	9,356.00	84.64	4.21	9,100.69	382.32	341.51	342.55	12.55	MWD	BAKER
4/16/2014	9,388.00	86.80	4.45	9,103.08	414.19	373.33	344.96	6.79	MWD	BAKER
4/18/2014	9,407.00	87.50	4.74	9,104.03	433.15	392.25	346.48	3.99	MWD	BAKER
4/18/2014	9,596.00	89.38	5.03	9,109.17	621.90	580.48	362.57	1.01	MWD	BAKER
4/18/2014	9,691.00	90.34	3.66	9,109.40	716.77	675.21	369.77	1.76	MWD	BAKER
4/18/2014	9,785.00	90.68	3.24	9,108.57	810.55	769.03	375.43	0.57	MWD	BAKER
4/18/2014	9,880.00	90.22	4.31	9,107.82	905.36	863.82	381.68	1.23	MWD	BAKER
4/18/2014	9,975.00	91.05	4.16	9,106.77	1,000.22	958.55	388.69	0.89	MWD	BAKER
4/18/2014	10,069.00	92.78	3.32	9,103.63	1,093.98	1,052.30	394.82	2.05	MWD	BAKER
4/18/2014	10,164.00	93.17	3.29	9,098.70	1,188.62	1,147.01	400.29	0.41	MWD	BAKER
4/18/2014	10,259.00	92.31	3.80	9,094.15	1,283.31	1,241.72	406.16	1.05	MWD	BAKER
4/18/2014	10,353.00	91.82	3.94	9,090.77	1,377.08	1,335.44	412.50	0.54	MWD	BAKER
4/18/2014	10,448.00	90.18	2.41	9,089.11	1,471.81	1,430.28	417.76	2.36	MWD	BAKER
4/18/2014	10,543.00	89.69	1.59	9,089.22	1,566.40	1,525.22	421.08	1.01	MWD	BAKER
4/18/2014	10,637.00	91.82	2.22	9,087.98	1,659.97	1,619.15	424.20	2.36	MWD	BAKER
4/18/2014	10,732.00	92.00	1.93	9,084.81	1,754.52	1,714.04	427.64	0.36	MWD	BAKER
4/18/2014	10,827.00	92.00	2.19	9,081.50	1,849.06	1,808.92	431.05	0.27	MWD	BAKER
4/18/2014	10,919.00	92.09	2.61	9,078.21	1,940.67	1,900.78	434.90	0.47	MWD	BAKER
4/18/2014	11,013.00	90.34	2.85	9,076.22	2,034.34	1,994.65	439.38	1.88	MWD	BAKER
4/18/2014	11,108.00	89.57	4.83	9,076.30	2,129.16	2,089.43	445.74	2.24	MWD	BAKER
4/18/2014	11,203.00	89.20	4.57	9,077.31	2,224.06	2,184.10	453.52	0.48	MWD	BAKER
4/18/2014	11,298.00	88.95	5.46	9,078.85	2,318.97	2,278.73	461.83	0.97	MWD	BAKER
4/18/2014	11,394.00	89.29	5.13	9,080.32	2,414.90	2,374.31	470.68	0.49	MWD	BAKER
4/18/2014	11,489.00	89.85	5.73	9,081.04	2,509.84	2,468.88	479.67	0.86	MWD	BAKER
4/18/2014	11,584.00	90.19	5.15	9,081.00	2,604.79	2,563.45	488.68	0.71	MWD	BAKER
4/18/2014	11,678.00	91.42	3.75	9,079.68	2,698.66	2,657.15	495.97	1.98	MWD	BAKER
4/18/2014	11,773.00	92.22	3.55	9,076.66	2,793.42	2,751.91	502.02	0.87	MWD	BAKER
4/18/2014	11,868.00	91.02	2.91	9,073.98	2,888.14	2,846.72	507.37	1.43	MWD	BAKER
4/18/2014	11,962.00	90.72	2.47	9,072.55	2,981.82	2,940.60	511.78	0.57	MWD	BAKER
4/18/2014	12,057.00	89.75	1.12	9,072.16	3,076.38	3,035.55	514.75	1.75	MWD	BAKER
4/18/2014	12,132.00	90.28	1.00	9,072.14	3,150.93	3,110.54	516.14	0.72	MWD	BAKER
4/18/2014	12,226.00	90.43	2.83	9,071.56	3,244.51	3,204.48	519.28	1.95	MWD	BAKER
4/18/2014	12,321.00	91.48	3.98	9,069.98	3,339.27	3,299.30	524.92	1.64	MWD	BAKER
4/18/2014	12,415.00	90.89	3.34	9,068.03	3,433.06	3,393.08	530.92	0.93	MWD	BAKER
4/18/2014	12,510.00	91.14	3.42	9,066.35	3,527.82	3,487.90	536.52	0.28	MWD	BAKER
4/23/2014	12,605.00	91.26	3.20	9,064.36	3,622.57	3,582.73	542.01	0.26	MWD	BAKER
4/24/2014	12,699.00	92.03	2.90	9,061.66	3,716.27	3,676.55	547.01	0.88	MWD	BAKER
4/24/2014	12,722.00	92.50	3.30	9,060.75	3,739.19	3,699.50	548.25	2.68	MWD	BAKER
4/24/2014	12,816.00	90.46	3.61	9,058.33	3,832.94	3,793.29	553.91	2.20	MWD	BAKER
4/25/2014	12,911.00	87.78	3.32	9,059.78	3,927.71	3,888.10	559.65	2.84	MWD	BAKER
4/25/2014	13,005.00	87.08	3.96	9,064.00	4,021.42	3,981.82	565.61	1.01	MWD	BAKER



Directional Survey

District DELAWARE BASIN	County LEA	Field Name RATTLESNAKE (NM)	Project Group DELAWARE BASIN REG	State/Province NM			
Surface Legal Location SEC13 T26S R34E	API/UWI 3002541259	Latitude (°) 32° 2' 13.311" N	Longitude (°) 103° 25' 40.152" W	Ground Elev... 3,244.70	KB - GL (ft) 25.00	Orig KB Elev (ft) 3,269.70	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
4/26/2014	13,100.00	87.31	3.80	9,068.65	4,116.14	4,076.48	572.03	0.29	MWD	BAKER
4/26/2014	13,195.00	88.15	3.29	9,072.41	4,210.85	4,171.23	577.90	1.03	MWD	BAKER
4/26/2014	13,290.00	90.34	2.95	9,073.66	4,305.59	4,266.07	583.07	2.33	MWD	BAKER
4/26/2014	13,384.00	90.89	4.61	9,072.65	4,399.40	4,359.86	589.27	1.86	MWD	BAKER
4/26/2014	13,479.00	90.22	4.26	9,071.73	4,494.27	4,454.57	596.62	0.80	MWD	BAKER
4/26/2014	13,574.00	89.81	5.44	9,071.71	4,589.19	4,549.23	604.65	1.31	MWD	BAKER
4/26/2014	13,592.00	89.72	5.76	9,071.78	4,607.18	4,567.14	606.40	1.85	MWD	BAKER
4/26/2014	13,652.00	89.72	5.76	9,072.08	4,667.15	4,626.84	612.43	0.00	BIT	BAKER

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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: NMNM100568**

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.

Ragin Cajun 13 Federal 1H

2. Name of Operator

Devon Energy Production Company, L.P.

9. API Well No.

30-025-41259

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

Jabalina, Delaware

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

330' FSL & 1345' FWL Unit N, Sec 13, T26S, R34E

11. Country or Parish, State

381' FNL & 2024' FWL Unit C, Sec 13, T26S, R34E

PP: 330' FSL & 1345' FWL

LEA, NM

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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☒ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Completion Report
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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/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.)

5/6/14-7/14/14: MIRU WL & PT. TIH & ran CBL, found estimated TOC @ 4330'. TIH w/pump through frac plug and guns. Perf Brushy Canyon, 9167'-13546', total 360 holes. Frac'd 9167'-13546' in 10 stages. Frac totals 41,932 gals 15% HCl Acid, 474,218# 100 Mesh, 1,998,741# Premium White 30/50, 986,535# CRC 20/40. ND frac, MIRU PU, NU BOP, DO plugs. CHC, FWB, ND BOP. RIH w/274 jts 2-7/8" L-80 tbg, set @ 8768.6'. TOP.

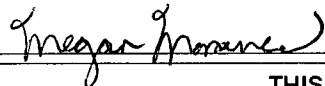
14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

Megan Moravec

Title **Regulatory Compliance Analyst**

Signature



Date **8/11/2014**

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.

(Instructions on page 2)