

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 / 11/2/15
⁴ API Number 30-015-43023	⁵ Pool Name Jennings; Bone Spring, West	⁶ Pool Code 97860
⁷ Property Code 38600	⁸ Property Name Snapping 2 State	⁹ Well Number 9H

II. ¹⁰ Surface Location

UL or lot no. 01	Section 2	Township 26S	Range 31E	Lot Idn	Feet from the 200	North/South line North	Feet from the 880	East/West line West	County Eddy
---------------------	--------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	----------------

¹¹ Bottom Hole Location

UL or lot no. M	Section 2	Township 26S	Range 31E	Lot Idn	Feet from the 348	North/South line South	Feet from the 410	East/West line West	County Eddy
¹² Lsc Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 11/2/15	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
92591	Western Refining Company, L.P. 6500 Trowbridge Drive El Paso, TX 79905	Oil
020809	Regency Field Services, LLC 500 West Texas Ave, Ste 920 Midland, TX 79701	Gas
NM OIL CONSERVATION ARTESIA DISTRICT NOV 24 2015 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 5/25/15	²² Ready Date 11/2/15	²³ TD 14825	²⁴ PBDT 9532	²⁵ Perforations 10600 - 14755	²⁶ DHC, MC
²⁷ Hole Size 17-1/2"	²⁸ Casing & Tubing Size 13-3/8"	²⁹ Depth Set 1002	³⁰ Sacks Cement 1055 sx Halcem C; Circ 60 bbls		
²⁷ Hole Size 12-1/4"	²⁸ Casing & Tubing Size 9-5/8"	²⁹ Depth Set 4152.4	³⁰ Sacks Cement 1390 sx CIC; Circ 90 bbls		
²⁷ Hole Size 8-3/4" & 8-1/2"	²⁸ Casing & Tubing Size 5-1/2"	²⁹ Depth Set 14825	³⁰ Sacks Cement 2890 sx cmt; Circ 0		
Tubing: 2-7/8"		²⁹ Depth Set 9498.1			

V. Well Test Data

³¹ Date New Oil 11/15/15	³² Gas Delivery Date 11/15/15	³³ Test Date 11/15/15	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 1100 psi	³⁶ Csg. Pressure 2225 psi
³⁷ Choke Size	³⁸ Oil 514 bbl	³⁹ Water 1615 bbl	⁴⁰ Gas 1255 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: Megan Moravec			OIL CONSERVATION DIVISION		
Printed name: Megan Moravec			Approved by: [Signature]		
Title: Regulatory Compliance Analyst			Title: Dist. Pl. Supervisor		
E-mail Address: megan.moravec@dmv.com			Approval Date: 11-30-15		
Date: 11/23/2015			Phone:		

Provide signature page for Survey

Accepted for record
NMOCD



Directional Survey

Well Name: SNAPPING 2 STATE 9H

30-015-43023

Sub-Division DELAWARE BASIN WEST		Region BASIN WEST		Field Name JENNINGS (NM)		County EDDY		State/Province NM					
Surface Legal Location SEC2 T26S R31E		API/UWI 3001543023		Latitude (°) 32° 4' 44.122" N		Longitude (°) 103° 45' 16.543" W		Orig KB Elevation (ft) 3,325.00		Ground Elev MSL (ft) 3,300.00		KB - GL (ft) 25.00	
Wellbores													
Wellbore Name OH		Parent Wellbore OH		SAP Well ID 38511		Vertical Section Direction (°)							
Kick Offs & Key Depths													
Date 6/5/2015				Type CURVE				Top Depth (ftKB) 9,703.0					
Actual Deviation Survey MWD, Proposed? No				Definitive? No		Proposed? No		Proposed Deviation Survey					
Deviation Survey													
Date 5/25/2015				Description MWD									
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)	EW (ft)	DLS (°/100ft)	Survey Tool	Survey Company			
5/25/2015	230.00	0.88	245.51	229.99	1.39	-0.73	-1.61	0.38	MWD	EXTREME SURVEY			
5/25/2015	397.00	1.19	246.90	396.96	3.78	-1.94	-4.37	0.19	MWD	EXTREME SURVEY			
5/25/2015	492.00	1.71	255.21	491.93	5.81	-2.69	-6.65	0.59	MWD	EXTREME SURVEY			
5/25/2015	587.00	2.11	251.82	586.88	8.54	-3.60	-9.68	0.44	MWD	EXTREME SURVEY			
5/25/2015	685.00	2.02	255.21	684.82	11.59	-4.60	-13.06	0.15	MWD	EXTREME SURVEY			
5/25/2015	776.00	2.42	288.69	775.75	14.91	-4.40	-16.43	1.47	MWD	EXTREME SURVEY			
5/25/2015	894.00	2.99	301.53	893.62	20.32	-1.99	-21.42	0.70	MWD	EXTREME SURVEY			
5/25/2015	1,081.00	2.90	296.80	1,080.37	29.58	2.69	-29.80	0.14	MWD	PRECISION DIRECTIONAL			
5/25/2015	1,176.00	2.46	288.54	1,175.27	33.95	4.42	-33.87	0.62	MWD	PRECISION DIRECTIONAL			
5/25/2015	1,271.00	2.20	285.20	1,270.19	37.81	5.55	-37.57	0.31	MWD	PRECISION DIRECTIONAL			
5/25/2015	1,360.00	2.02	284.50	1,359.13	41.08	6.39	-40.73	0.20	MWD	PRECISION DIRECTIONAL			
5/25/2015	1,450.00	2.29	286.43	1,449.07	44.46	7.30	-43.99	0.31	MWD	PRECISION DIRECTIONAL			
5/25/2015	1,539.00	2.11	291.00	1,538.00	47.87	8.39	-47.23	0.28	MWD	PRECISION DIRECTIONAL			
5/25/2015	1,628.00	1.93	281.16	1,626.95	50.99	9.26	-50.23	0.44	MWD	PRECISION DIRECTIONAL			
5/25/2015	1,717.00	1.67	273.78	1,715.90	53.76	9.64	-52.99	0.39	MWD	PRECISION DIRECTIONAL			
5/25/2015	1,807.00	1.32	271.32	1,805.87	56.07	9.75	-55.34	0.40	MWD	PRECISION DIRECTIONAL			
5/25/2015	1,896.00	1.23	260.24	1,894.85	57.94	9.61	-57.31	0.29	MWD	PRECISION DIRECTIONAL			
5/25/2015	1,985.00	1.14	253.91	1,983.83	59.59	9.21	-59.10	0.18	MWD	PRECISION DIRECTIONAL			
5/25/2015	2,074.00	0.97	241.78	2,072.82	60.91	8.60	-60.61	0.31	MWD	PRECISION DIRECTIONAL			
5/25/2015	2,163.00	0.88	237.04	2,161.80	61.94	7.88	-61.85	0.13	MWD	PRECISION DIRECTIONAL			
5/25/2015	2,253.00	0.97	249.17	2,251.79	63.04	7.23	-63.14	0.24	MWD	PRECISION DIRECTIONAL			
5/25/2015	2,342.00	0.88	253.39	2,340.78	64.25	6.77	-64.50	0.13	MWD	PRECISION DIRECTIONAL			
5/25/2015	2,431.00	0.79	235.10	2,429.77	65.24	6.22	-65.66	0.31	MWD	PRECISION DIRECTIONAL			
5/25/2015	2,520.00	0.79	230.71	2,518.76	66.02	5.48	-66.64	0.07	MWD	PRECISION DIRECTIONAL			
5/25/2015	2,609.00	0.53	212.43	2,607.76	66.52	4.74	-67.33	0.37	MWD	PRECISION DIRECTIONAL			
5/25/2015	2,699.00	0.44	227.55	2,697.75	66.84	4.16	-67.81	0.17	MWD	PRECISION DIRECTIONAL			
5/25/2015	2,788.00	0.53	227.02	2,786.75	67.26	3.65	-68.36	0.10	MWD	PRECISION DIRECTIONAL			
5/25/2015	2,877.00	0.53	233.87	2,875.75	67.75	3.12	-69.00	0.07	MWD	PRECISION DIRECTIONAL			
5/25/2015	2,966.00	0.35	179.38	2,964.75	67.95	2.61	-69.33	0.49	MWD	PRECISION DIRECTIONAL			
5/25/2015	3,055.00	0.26	170.94	3,053.74	67.80	2.14	-69.29	0.11	MWD	PRECISION DIRECTIONAL			
5/25/2015	3,145.00	0.35	119.09	3,143.74	67.45	1.80	-69.02	0.31	MWD	PRECISION DIRECTIONAL			
5/25/2015	3,234.00	0.88	118.03	3,232.74	66.53	1.35	-68.18	0.60	MWD	PRECISION DIRECTIONAL			
5/25/2015	3,323.00	0.88	121.20	3,321.73	65.22	0.67	-66.99	0.05	MWD	PRECISION DIRECTIONAL			
5/25/2015	3,413.00	0.79	127.35	3,411.72	63.99	-0.06	-65.91	0.14	MWD	PRECISION DIRECTIONAL			
5/25/2015	3,502.00	0.79	111.71	3,500.71	62.82	-0.66	-64.85	0.24	MWD	PRECISION DIRECTIONAL			
5/25/2015	3,591.00	0.88	121.20	3,589.70	61.56	-1.24	-63.69	0.19	MWD	PRECISION DIRECTIONAL			
5/25/2015	3,680.00	1.49	131.74	3,678.68	59.88	-2.36	-62.25	0.72	MWD	PRECISION DIRECTIONAL			
5/25/2015	3,770.00	1.41	136.14	3,768.65	57.91	-3.94	-60.61	0.15	MWD	PRECISION DIRECTIONAL			
5/25/2015	3,860.00	1.58	141.59	3,858.62	56.00	-5.71	-59.07	0.25	MWD	PRECISION DIRECTIONAL			
5/25/2015	3,949.00	2.29	147.74	3,947.57	53.75	-8.18	-57.36	0.83	MWD	PRECISION DIRECTIONAL			
5/25/2015	4,039.00	2.20	139.13	4,037.50	51.04	-11.00	-55.27	0.39	MWD	PRECISION DIRECTIONAL			
5/25/2015	4,103.00	1.85	135.44	4,101.46	49.16	-12.67	-53.74	0.58	MWD	PRECISION DIRECTIONAL			
5/25/2015	4,221.00	1.32	145.28	4,219.42	46.52	-15.14	-51.63	0.50	MWD	PRECISION DIRECTIONAL			
5/25/2015	4,311.00	0.18	213.13	4,309.41	45.79	-16.11	-51.11	1.40	MWD	PRECISION DIRECTIONAL			
5/25/2015	4,400.00	0.97	314.91	4,398.40	46.48	-15.70	-51.72	1.15	MWD	PRECISION DIRECTIONAL			
5/25/2015	4,490.00	1.93	330.03	4,488.37	48.18	-13.85	-53.02	1.14	MWD	PRECISION DIRECTIONAL			
5/25/2015	4,579.00	2.90	331.61	4,577.29	50.73	-10.57	-54.84	1.09	MWD	PRECISION DIRECTIONAL			
5/25/2015	4,668.00	3.87	324.75	4,666.14	54.51	-6.14	-57.64	1.18	MWD	PRECISION DIRECTIONAL			
5/25/2015	4,758.00	4.84	320.89	4,755.88	59.84	-0.71	-61.79	1.13	MWD	PRECISION DIRECTIONAL			
5/25/2015	4,847.00	4.75	320.36	4,844.56	65.79	5.04	-66.51	0.11	MWD	PRECISION DIRECTIONAL			
5/25/2015	4,936.00	4.75	320.89	4,933.26	71.69	10.74	-71.19	0.05	MWD	PRECISION DIRECTIONAL			
5/25/2015	5,025.00	5.10	319.30	5,021.93	77.85	16.60	-76.09	0.42	MWD	PRECISION DIRECTIONAL			
5/25/2015	5,115.00	5.01	316.84	5,111.58	84.40	22.50	-81.39	0.26	MWD	PRECISION DIRECTIONAL			
5/25/2015	5,204.00	4.75	315.96	5,200.26	90.78	27.98	-86.61	0.30	MWD	PRECISION DIRECTIONAL			
5/25/2015	5,293.00	5.01	311.04	5,288.94	97.36	33.18	-92.10	0.55	MWD	PRECISION DIRECTIONAL			
5/25/2015	5,383.00	5.45	303.48	5,378.56	104.88	38.12	-98.63	0.91	MWD	PRECISION DIRECTIONAL			
5/25/2015	5,471.00	5.54	302.43	5,466.16	112.84	42.70	-105.70	0.15	MWD	PRECISION DIRECTIONAL			
5/25/2015	5,561.00	5.54	293.82	5,555.74	121.23	46.79	-113.34	0.92	MWD	PRECISION DIRECTIONAL			
5/25/2015	5,650.00	5.63	292.76	5,644.32	129.78	50.21	-121.30	0.15	MWD	PRECISION DIRECTIONAL			
5/25/2015	5,740.00	5.63	293.11	5,733.88	138.49	53.65	-129.43	0.04	MWD	PRECISION DIRECTIONAL			
5/25/2015	5,829.00	5.45	292.76	5,822.47	146.98	57.00	-137.34	0.21	MWD	PRECISION DIRECTIONAL			
5/25/2015	5,918.00	5.28	291.88	5,911.08	155.21	60.16	-145.04	0.21	MWD	PRECISION DIRECTIONAL			
5/25/2015	6,008.00	5.10	290.30	6,000.71	163.28	63.09	-152.63	0.26	MWD	PRECISION DIRECTIONAL			
5/25/2015	6,097.00	5.10	300.67	6,089.36	171.00	66.48	-159.75	1.03	MWD	PRECISION DIRECTIONAL			
5/25/2015	6,187.00	4.92	303.66	6,179.01	178.45	70.66	-166.40	0.35	MWD	PRECISION DIRECTIONAL			
5/25/2015	6,276.00	4.92	302.08	6,267.69	185.67	74.80	-172.81	0.15	MWD	PRECISION DIRECTIONAL			

Accepted for record
KIM FORD

Accepted for record
KIM FORD



Sub-Division DELAWARE BASIN WEST		Region BASIN WEST		Field Name JENNINGS (NM)		County EDDY		State/Province NM					
Surface Legal Location SEC2 T26S R31E		API/UWI 3001543023		Latitude (") 32° 4' 44.122" N		Longitude (") 103° 45' 16.543" W		Orig KB Elevation (ft) 3,325.00		Ground Elev MSL (ft) 3,300.00		KB - GL (ft) 25.00	
Survey Data													
Date	MD (ftKB)	Incl (")	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS ("/100ft)	Survey Tool	Survey Company			
5/25/2015	6,365.00	4.75	301.37	6,356.37	192.81	78.75	-179.19	0.20	MWD	PRECISION DIRECTIONAL			
5/25/2015	6,455.00	5.36	298.03	6,446.02	200.43	82.66	-186.08	0.75	MWD	PRECISION DIRECTIONAL			
5/25/2015	6,544.00	5.19	296.45	6,534.64	208.39	86.41	-193.35	0.25	MWD	PRECISION DIRECTIONAL			
5/25/2015	6,633.00	5.10	293.11	6,623.28	216.22	89.76	-200.60	0.35	MWD	PRECISION DIRECTIONAL			
5/25/2015	6,722.00	4.57	290.83	6,711.97	223.65	92.57	-207.55	0.63	MWD	PRECISION DIRECTIONAL			
5/25/2015	6,812.00	5.01	292.23	6,801.65	231.09	95.33	-214.54	0.51	MWD	PRECISION DIRECTIONAL			
5/25/2015	6,901.00	4.84	292.06	6,890.32	238.65	98.21	-221.62	0.19	MWD	PRECISION DIRECTIONAL			
5/25/2015	6,990.00	5.45	291.71	6,978.96	246.55	101.19	-229.02	0.69	MWD	PRECISION DIRECTIONAL			
5/25/2015	7,169.00	5.19	286.61	7,157.19	263.06	106.64	-244.68	0.30	MWD	PRECISION DIRECTIONAL			
5/25/2015	7,258.00	4.92	286.26	7,245.85	270.89	108.86	-252.20	0.31	MWD	PRECISION DIRECTIONAL			
5/25/2015	7,347.00	4.92	295.57	7,334.52	278.44	111.58	-259.31	0.90	MWD	PRECISION DIRECTIONAL			
5/25/2015	7,436.00	4.75	296.98	7,423.20	285.77	114.90	-266.03	0.23	MWD	PRECISION DIRECTIONAL			
5/25/2015	7,526.00	4.31	295.92	7,512.92	292.70	118.07	-272.39	0.50	MWD	PRECISION DIRECTIONAL			
5/25/2015	7,615.00	4.84	296.80	7,601.64	299.63	121.22	-278.75	0.60	MWD	PRECISION DIRECTIONAL			
5/25/2015	7,704.00	4.40	296.80	7,690.35	306.62	124.45	-285.15	0.49	MWD	PRECISION DIRECTIONAL			
5/25/2015	7,793.00	3.96	296.80	7,779.11	312.94	127.38	-290.94	0.49	MWD	PRECISION DIRECTIONAL			
5/25/2015	7,914.00	3.52	294.52	7,899.85	320.66	130.80	-298.05	0.38	MWD	PRECISION DIRECTIONAL			
5/25/2015	7,997.00	2.99	296.98	7,982.72	325.27	132.84	-302.30	0.66	MWD	PRECISION DIRECTIONAL			
5/25/2015	8,061.00	2.73	297.15	8,046.64	328.38	134.30	-305.14	0.41	MWD	PRECISION DIRECTIONAL			
5/25/2015	8,214.00	2.11	296.63	8,199.50	334.67	137.22	-310.90	0.41	MWD	PRECISION DIRECTIONAL			
5/25/2015	8,393.00	1.32	300.14	8,378.42	339.86	139.73	-315.63	0.45	MWD	PRECISION DIRECTIONAL			
5/25/2015	8,571.00	0.35	237.39	8,556.40	342.20	140.47	-317.86	0.67	MWD	PRECISION DIRECTIONAL			
5/25/2015	8,661.00	0.62	261.82	8,646.40	342.85	140.25	-318.58	0.37	MWD	PRECISION DIRECTIONAL			
5/25/2015	8,816.00	0.70	190.46	8,801.39	343.57	139.20	-319.58	0.50	MWD	PRECISION DIRECTIONAL			
5/25/2015	8,911.00	1.06	192.74	8,896.38	343.52	137.78	-319.88	0.38	MWD	PRECISION DIRECTIONAL			
5/25/2015	8,964.00	0.79	216.65	8,949.37	343.65	137.00	-320.20	0.88	MWD	PRECISION DIRECTIONAL			
5/25/2015	9,043.00	0.35	236.51	9,028.37	344.03	136.43	-320.73	0.60	MWD	PRECISION DIRECTIONAL			
5/25/2015	9,133.00	0.62	267.27	9,118.37	344.68	136.26	-321.45	0.41	MWD	PRECISION DIRECTIONAL			
5/25/2015	9,222.00	0.88	244.24	9,207.36	345.67	135.94	-322.54	0.44	MWD	PRECISION DIRECTIONAL			
5/25/2015	9,311.00	0.88	250.22	9,296.35	346.76	135.41	-323.80	0					



Directional Survey

Well Name: SNAPPING 2 STATE 9H

Sub-Division DELAWARE BASIN WEST		Region BASIN WEST		Field Name JENNINGS (NM)		County EDDY		State/Province NM					
Surface Legal Location SEC2 T26S R31E		API/UWI 3001543023		Latitude (°) 32° 4' 44.122" N		Longitude (°) 103° 45' 16.543" W		Orig KB Elevation (ft) 3,325.00		Ground Elev MSL (ft) 3,300.00		KB - GL (ft) 25.00	
Wellbores													
Wellbore Name OH				Parent Wellbore OH				SAP Well ID 38511				Vertical Section Direction (°)	
Kick Offs & Key Depths													
Date 6/5/2015				Type CURVE				Top Depth (ftKB) 9,703.0					
Actual Deviation Survey				Definitive?		Proposed?		Proposed Deviation Survey					
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			
Wellbore Name ST01				Parent Wellbore OH				SAP Well ID				Vertical Section Direction (°) 184.94	
Kick Offs & Key Depths													
Date 6/10/2015				Type CURVE				Top Depth (ftKB) 9,532.0					
Actual Deviation Survey MWD, Proposed? No				Definitive? Yes		Proposed? No		Proposed Deviation Survey					
Deviation Survey													
Date 6/10/2015				Description MWD									
MD Tie In (ftKB) 9,490.00		TVD Tie In (ftKB) 9,475.33		Inclination Tie In (°) 0.70		Azimuth Tie In (°) 270.26		NSTie In (ft) 134.81		EWTie In (ft) -326.17			
Survey Data													
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company			
6/10/2015	9,490.00	0.70	270.26	9,475.33	-106.22	134.81	-326.17	0.00	MWD	PRECISION ENERGY			
6/10/2015	9,583.00	9.58	178.85	9,567.90	-98.46	127.06	-326.58	10.35	MWD	PRECISION ENERGY			
6/10/2015	9,613.00	13.37	180.08	9,597.29	-92.52	121.09	-326.54	12.66	MWD	PRECISION ENERGY			
6/10/2015	9,642.00	16.71	181.32	9,625.29	-85.02	113.57	-326.64	11.57	MWD	PRECISION ENERGY			
6/10/2015	9,672.00	19.96	181.49	9,653.77	-75.60	104.13	-326.87	10.83	MWD	PRECISION ENERGY			
6/10/2015	9,702.00	21.98	180.61	9,681.78	-64.89	93.40	-327.06	6.81	MWD	PRECISION ENERGY			
6/10/2015	9,732.00	23.48	178.15	9,709.45	-53.36	81.81	-326.93	5.92	MWD	PRECISION ENERGY			
6/10/2015	9,762.00	25.76	175.51	9,736.72	-40.99	69.34	-326.23	8.44	MWD	PRECISION ENERGY			
6/10/2015	9,792.00	28.40	174.28	9,763.43	-27.54	55.74	-325.01	9.00	MWD	PRECISION ENERGY			
6/10/2015	9,821.00	30.25	173.58	9,788.71	-13.60	41.62	-323.50	6.49	MWD	PRECISION ENERGY			
6/10/2015	9,851.00	31.66	174.81	9,814.44	1.56	26.26	-321.94	5.15	MWD	PRECISION ENERGY			
6/10/2015	9,881.00	32.54	176.92	9,839.85	17.30	10.37	-320.80	4.75	MWD	PRECISION ENERGY			
6/10/2015	9,910.00	33.68	178.85	9,864.14	33.02	-5.46	-320.22	5.35	MWD	PRECISION ENERGY			
6/10/2015	9,940.00	35.26	179.73	9,888.88	49.91	-22.44	-320.01	5.52	MWD	PRECISION ENERGY			
6/10/2015	9,970.00	36.93	180.26	9,913.12	67.52	-40.11	-320.01	5.66	MWD	PRECISION ENERGY			
6/10/2015	9,999.00	38.16	179.03	9,936.11	85.12	-57.78	-319.90	4.97	MWD	PRECISION ENERGY			
6/10/2015	10,029.00	39.57	178.50	9,959.47	103.83	-76.60	-319.49	4.83	MWD	PRECISION ENERGY			
6/13/2015	10,062.00	41.33	177.62	9,984.58	125.08	-98.00	-318.76	5.61	MWD	PRECISION ENERGY			
6/13/2015	10,092.00	43.53	176.74	10,006.72	145.14	-118.21	-317.77	7.60	MWD	PRECISION ENERGY			
6/13/2015	10,121.00	45.81	176.92	10,027.34	165.32	-138.57	-316.64	7.87	MWD	PRECISION ENERGY			
6/13/2015	10,151.00	48.54	178.50	10,047.74	187.15	-160.55	-315.77	9.89	MWD	PRECISION ENERGY			
6/13/2015	10,181.00	51.09	180.44	10,067.09	209.96	-183.47	-315.56	9.83	MWD	PRECISION ENERGY			
6/13/2015	10,211.00	54.26	180.26	10,085.28	233.73	-207.32	-315.71	10.58	MWD	PRECISION ENERGY			
6/13/2015	10,241.00	56.98	179.03	10,102.22	258.38	-232.07	-315.55	9.68	MWD	PRECISION ENERGY			
6/13/2015	10,271.00	59.44	178.15	10,118.02	283.72	-257.56	-314.92	8.57	MWD	PRECISION ENERGY			
6/13/2015	10,300.00	62.52	177.10	10,132.09	308.87	-282.90	-313.86	11.08	MWD	PRECISION ENERGY			
6/13/2015	10,330.00	65.69	177.10	10,145.19	335.61	-309.85	-312.50	10.57	MWD	PRECISION ENERGY			
6/13/2015	10,360.00	68.85	177.10	10,156.78	363.01	-337.48	-311.10	10.53	MWD	PRECISION ENERGY			
6/13/2015	10,390.00	70.52	177.80	10,167.20	390.91	-365.58	-309.85	5.98	MWD	PRECISION ENERGY			
6/13/2015	10,420.00	72.98	178.33	10,176.59	419.19	-394.05	-308.89	8.37	MWD	PRECISION ENERGY			
6/13/2015	10,450.00	75.18	178.33	10,184.82	447.85	-422.89	-308.05	7.33	MWD	PRECISION ENERGY			
6/13/2015	10,479.00	77.47	179.03	10,191.67	475.85	-451.06	-307.40	8.24	MWD	PRECISION ENERGY			
6/13/2015	10,509.00	79.40	179.91	10,197.69	505.11	-480.45	-307.13	7.05	MWD	PRECISION ENERGY			
6/13/2015	10,539.00	80.55	180.26	10,202.91	534.54	-509.99	-307.17	4.00	MWD	PRECISION ENERGY			
6/13/2015	10,568.00	81.34	180.08	10,207.47	563.08	-538.63	-307.26	2.79	MWD	PRECISION ENERGY			
6/13/2015	10,598.00	81.95	179.38	10,211.83	592.64	-568.31	-307.12	3.08	MWD	PRECISION ENERGY			
6/14/2015	10,628.00	82.83	179.38	10,215.81	622.24	-598.04	-306.79	2.93	MWD	PRECISION ENERGY			
6/14/2015	10,658.00	83.54	179.21	10,219.37	651.88	-627.83	-306.43	2.43	MWD	PRECISION ENERGY			
6/14/2015	10,688.00	84.50	178.50	10,222.49	681.55	-657.66	-305.83	3.97	MWD	PRECISION ENERGY			
6/14/2015	10,718.00	86.09	177.98	10,224.95	711.24	-687.54	-304.91	5.57	MWD	PRECISION ENERGY			
6/14/2015	10,747.00	87.49	178.50	10,226.58	740.00	-716.48	-304.02	5.15	MWD	PRECISION ENERGY			
6/14/2015	10,836.00	89.08	179.38	10,229.24	828.47	-805.42	-302.38	2.04	MWD	PRECISION ENERGY			
6/14/2015	10,925.00	89.52	179.73	10,230.33	917.07	-894.41	-301.69	0.63	MWD	PRECISION ENERGY			
6/14/2015	11,015.00	90.13	179.91	10,230.60	1,006.71	-984.41	-301.41	0.71	MWD	PRECISION ENERGY			
6/14/2015	11,104.00	90.75	180.08	10,229.92	1,095.37	-1,073.41	-301.40	0.72	MWD	PRECISION ENERGY			
6/14/2015	11,193.00	90.92	180.44	10,228.62	1,184.07	-1,162.40	-301.80	0.45	MWD	PRECISION ENERGY			
6/14/2015	11,283.00	91.28	180.96	10,226.89	1,273.80	-1,252.37	-302.90	0.70	MWD	PRECISION ENERGY			
6/14/2015	11,372.00	91.19	180.96	10,224.98	1,362.57	-1,341.34	-304.39	0.10	MWD	PRECISION ENERGY			
6/14/2015	11,461.00	91.98	181.32	10,222.51	1,451.34	-1,430.29	-306.16	0.98	MWD	PRECISION ENERGY			
6/14/2015	11,551.00	91.01	181.14	10,220.17	1,541.12	-1,520.24	-308.09	1.10	MWD	PRECISION ENERGY			
6/14/2015	11,640.00	91.10	181.49	10,218.53	1,629.93	-1,609.20	-310.13	0.41	MWD	PRECISION ENERGY			
6/14/2015	11,729.00	90.04	181.49	10,217.64	1,718.76	-1,698.16	-312.45	1.19	MWD	PRECISION ENERGY			
6/14/2015	11,819.00	88.46	182.02	10,218.82	1,808.61	-1,788.11	-315.20	1.85	MWD	PRECISION ENERGY			



Directional Survey

Well Name: SNAPPING 2 STATE 9H

Sub-Division	Region	Field Name		County	State/Province	
DELAWARE BASIN WEST	BASIN WEST	JENNINGS (NM)		EDDY	NM	
Surface Legal Location	API/UWI	Latitude (°)	Longitude (°)	Orig KB Elevation (ft)	Ground Elev MSL (ft)	KB - GL (ft)
SEC2 T26S R31E	3001543023	32° 4' 44.122" N	103° 45' 16.543" W	3,325.00	3,300.00	25.00

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
6/14/2015	11,908.00	88.46	182.02	10,221.21	1,897.46	-1,877.02	-318.34	0.00	MWD	PRECISION ENERGY
6/14/2015	11,998.00	88.64	182.02	10,223.49	1,987.32	-1,966.94	-321.51	0.20	MWD	PRECISION ENERGY
6/14/2015	12,087.00	88.11	181.67	10,226.01	2,076.15	-2,055.85	-324.38	0.71	MWD	PRECISION ENERGY
6/14/2015	12,176.00	87.93	181.49	10,229.09	2,164.94	-2,144.77	-326.83	0.29	MWD	PRECISION ENERGY
6/14/2015	12,265.00	89.52	181.49	10,231.07	2,253.76	-2,233.71	-329.14	1.79	MWD	PRECISION ENERGY
6/14/2015	12,355.00	89.87	181.67	10,231.55	2,343.60	-2,323.68	-331.62	0.44	MWD	PRECISION ENERGY
6/14/2015	12,444.00	90.22	181.84	10,231.48	2,432.46	-2,412.63	-334.35	0.44	MWD	PRECISION ENERGY
6/14/2015	12,533.00	90.75	181.67	10,230.72	2,521.32	-2,501.59	-337.08	0.63	MWD	PRECISION ENERGY
6/14/2015	12,622.00	90.66	181.84	10,229.63	2,610.18	-2,590.54	-339.80	0.22	MWD	PRECISION ENERGY
6/14/2015	12,712.00	90.84	182.19	10,228.45	2,700.05	-2,680.48	-342.96	0.44	MWD	PRECISION ENERGY
6/15/2015	12,801.00	91.19	182.37	10,226.87	2,788.94	-2,769.39	-346.50	0.44	MWD	PRECISION ENERGY
6/15/2015	12,890.00	91.54	182.90	10,224.75	2,877.85	-2,858.27	-350.60	0.71	MWD	PRECISION ENERGY
6/15/2015	12,979.00	90.40	183.25	10,223.25	2,966.78	-2,947.13	-355.37	1.34	MWD	PRECISION ENERGY
6/15/2015	13,069.00	89.52	183.42	10,223.31	3,056.75	-3,036.98	-360.60	1.00	MWD	PRECISION ENERGY
6/15/2015	13,158.00	90.04	183.95	10,223.65	3,145.72	-3,125.79	-366.32	0.83	MWD	PRECISION ENERGY
6/15/2015	13,248.00	90.48	184.65	10,223.24	3,235.72	-3,215.54	-373.07	0.92	MWD	PRECISION ENERGY
6/15/2015	13,337.00	89.96	183.42	10,222.90	3,324.70	-3,304.31	-379.33	1.50	MWD	PRECISION ENERGY
6/15/2015	13,427.00	89.34	182.02	10,223.45	3,414.63	-3,394.21	-383.61	1.70	MWD	PRECISION ENERGY
6/15/2015	13,516.00	89.34	180.79	10,224.48	3,503.45	-3,483.17	-385.79	1.38	MWD	PRECISION ENERGY
6/15/2015	13,606.00	89.43	181.32	10,225.44	3,593.24	-3,573.15	-387.44	0.60	MWD	PRECISION ENERGY
6/15/2015	13,695.00	90.40	182.19	10,225.57	3,682.10	-3,662.11	-390.17	1.46	MWD	PRECISION ENERGY
6/15/2015	13,784.00	89.78	180.79	10,225.43	3,770.94	-3,751.07	-392.48	1.72	MWD	PRECISION ENERGY
6/15/2015	13,874.00	89.87	180.44	10,225.71	3,860.68	-3,841.07	-393.45	0.40	MWD	PRECISION ENERGY
6/15/2015	13,963.00	90.31	180.79	10,225.57	3,949.43	-3,930.06	-394.41	0.63	MWD	PRECISION ENERGY
6/15/2015	14,052.00	90.22	181.49	10,225.16	4,038.23	-4,019.04	-396.18	0.79	MWD	PRECISION ENERGY
6/15/2015	14,142.00	90.31	181.84	10,224.74	4,128.08	-4,109.01	-398.79	0.40	MWD	PRECISION ENERGY
6/15/2015	14,231.00	90.22	182.19	10,224.33	4,216.97	-4,197.95	-401.92	0.41	MWD	PRECISION ENERGY
6/15/2015	14,320.00	90.48	182.72	10,223.79	4,305.88	-4,286.87	-405.73	0.66	MWD	PRECISION ENERGY
6/15/2015	14,410.00	90.57	183.07	10,222.96	4,395.82	-4,376.75	-410.28	0.40	MWD	PRECISION ENERGY
6/15/2015	14,500.00	90.92	183.60	10,221.79	4,485.78	-4,466.59	-415.51	0.71	MWD	PRECISION ENERGY
6/15/2015	14,589.00	90.84	184.13	10,220.42	4,574.75	-4,555.37	-421.51	0.60	MWD	PRECISION ENERGY
6/15/2015	14,678.00	91.54	184.48	10,218.58	4,663.72	-4,644.10	-428.19	0.88	MWD	PRECISION ENERGY
6/15/2015	14,754.00	91.45	185.18	10,216.59	4,739.70	-4,719.81	-434.59	0.93	MWD	PRECISION ENERGY
6/15/2015	14,825.00	91.45	185.18	10,214.80	4,810.67	-4,790.49	-441.00	0.00	BIT	PRECISION ENERGY