

RECEIVED

15-41359

Well Name: IRRITABLE 22 STATE COM 2H

Sub-Division DELAWARE BASIN WEST		Region BASIN WEST		Field Name HAY HOLLOW NORTH		County EDDY		State/Province NM					
Surface Legal Location Sec. 22 T25S R27E		API/UWI 3001541359		Latitude (°) 32° 7' 18.836" N		Longitude (°) 104° 10' 33.007" W		Orig KB Elevation (ft) 3,104.30		Ground Elev MSL (ft) 3,079.30		KB - GL (ft) 25.00	
Wellbores													
Wellbore Name OH		Parent Wellbore OH		SAP Well ID 37952				Vertical Section Direction (°) 0.00					
Kick Offs & Key Depths													
Date				Type				Top Depth (ftKB)					
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 (°) 179.45							
Kick Offs & Key Depths													
Date 2/26/2015				Type KICK OFF				Top Depth (ftKB) 7,140.0					
Actual Deviation Survey PRECISION MWD, Proposed? No				Definitive? Yes		Proposed? No		Proposed Deviation Survey					
Deviation Survey													
Date 2/26/2015				Description PRECISION MWD									
MD Tie In (ftKB) 7,109.00		TVD Tie In (ftKB) 7,095.81		Inclination Tie In (°) 0.90		Azimuth Tie In (°) 156.50		NSTie In (ft) 37.40		EWTie In (ft) 311.06			
Survey Data													
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company			
2/26/2015	7,109.00	0.90	156.50	7,095.81	-34.41	37.40	311.06	0.00	MWD	PRECISION DRILLING			
2/26/2015	7,179.00	6.40	185.30	7,165.64	-30.02	33.01	310.92	8.04	MWD	PRECISION DRILLING			
2/26/2015	7,209.00	8.00	190.00	7,195.41	-26.31	29.29	310.40	5.68	MWD	PRECISION DRILLING			
2/26/2015	7,239.00	9.10	190.40	7,225.07	-21.92	24.90	309.61	3.67	MWD	PRECISION DRILLING			
2/26/2015	7,269.00	11.50	188.30	7,254.59	-16.64	19.60	308.75	8.10	MWD	PRECISION DRILLING			
2/26/2015	7,299.00	13.20	187.60	7,283.89	-10.29	13.25	307.87	5.69	MWD	PRECISION DRILLING			
2/26/2015	7,327.00	14.40	186.30	7,311.08	-3.67	6.62	307.06	4.43	MWD	PRECISION DRILLING			
2/26/2015	7,357.00	16.80	184.90	7,339.98	4.35	-1.41	306.28	8.10	MWD	PRECISION DRILLING			
2/26/2015	7,387.00	20.80	183.30	7,368.37	13.98	-11.05	305.60	13.44	MWD	PRECISION DRILLING			
2/26/2015	7,416.00	24.50	181.80	7,395.13	25.13	-22.21	305.12	12.91	MWD	PRECISION DRILLING			
2/26/2015	7,446.00	29.50	180.20	7,421.85	38.74	-35.82	304.90	16.84	MWD	PRECISION DRILLING			
2/26/2015	7,476.00	34.00	178.80	7,447.36	54.52	-51.60	305.05	15.20	MWD	PRECISION DRILLING			
2/26/2015	7,506.00	37.60	177.70	7,471.68	72.07	-69.14	305.59	12.19	MWD	PRECISION DRILLING			
2/28/2015	7,536.00	42.00	177.00	7,494.73	91.25	-88.31	306.48	14.74	MWD	PRECISION DRILLING			
2/28/2015	7,566.00	45.80	177.00	7,516.34	112.03	-109.08	307.57	12.67	MWD	PRECISION DRILLING			
2/28/2015	7,595.00	48.60	177.40	7,536.04	133.29	-130.33	308.61	9.71	MWD	PRECISION DRILLING			
2/28/2015	7,625.00	51.50	177.90	7,555.30	156.27	-153.31	309.55	9.75	MWD	PRECISION DRILLING			
2/28/2015	7,655.00	53.60	178.80	7,573.54	180.08	-177.11	310.23	7.39	MWD	PRECISION DRILLING			
2/28/2015	7,684.00	56.40	179.50	7,590.18	203.84	-200.86	310.58	9.86	MWD	PRECISION DRILLING			
2/28/2015	7,714.00	59.60	180.20	7,606.07	229.27	-226.30	310.65	10.85	MWD	PRECISION DRILLING			
2/28/2015	7,744.00	62.50	180.50	7,620.59	255.52	-252.55	310.49	9.71	MWD	PRECISION DRILLING			
2/28/2015	7,773.00	65.10	180.50	7,633.39	281.53	-278.57	310.26	8.97	MWD	PRECISION DRILLING			
2/28/2015	7,803.00	67.30	180.50	7,645.50	308.98	-306.01	310.02	7.33	MWD	PRECISION DRILLING			
2/28/2015	7,833.00	70.30	180.50	7,656.35	336.94	-333.98	309.78	10.00	MWD	PRECISION DRILLING			
2/28/2015	7,862.00	73.20	180.40	7,665.43	364.47	-361.52	309.56	10.01	MWD	PRECISION DRILLING			
2/28/2015	7,892.00	76.10	180.40	7,673.37	393.39	-390.44	309.36	9.67	MWD	PRECISION DRILLING			
2/28/2015	7,922.00	78.20	180.70	7,680.04	422.64	-419.69	309.08	7.07	MWD	PRECISION DRILLING			
2/28/2015	7,952.00	80.40	180.90	7,685.61	452.10	-449.16	308.66	7.36	MWD	PRECISION DRILLING			
3/2/2015	7,978.00	83.10	181.10	7,689.34	477.82	-474.89	308.22	10.41	MWD	PRECISION DRILLING			
3/2/2015	8,008.00	85.90	180.90	7,692.22	507.67	-504.74	307.69	9.36	MWD	PRECISION DRILLING			
3/2/2015	8,038.00	86.70	180.50	7,694.15	537.60	-534.68	307.33	2.98	MWD	PRECISION DRILLING			
3/2/2015	8,068.00	87.10	180.50	7,695.77	567.55	-564.63	307.07	1.33	MWD	PRECISION DRILLING			
3/2/2015	8,098.00	88.20	180.40	7,697.00	597.52	-594.60	306.83	3.68	MWD	PRECISION DRILLING			
3/2/2015	8,157.00	88.60	180.40	7,698.65	656.49	-653.58	306.42	0.68	MWD	PRECISION DRILLING			
3/2/2015	8,247.00	89.40	180.70	7,700.22	746.46	-743.56	305.56	0.95	MWD	PRECISION DRILLING			
3/2/2015	8,336.00	88.40	180.20	7,701.93	835.43	-832.54	304.86	1.26	MWD	PRECISION DRILLING			
3/2/2015	8,426.00	88.50	180.00	7,704.36	925.39	-922.51	304.70	0.25	MWD	PRECISION DRILLING			
3/2/2015	8,516.00	89.20	180.20	7,706.17	1,015.37	-1,012.49	304.54	0.81	MWD	PRECISION DRILLING			
3/2/2015	8,605.00	87.80	179.70	7,708.50	1,104.33	-1,101.46	304.62	1.67	MWD	PRECISION DRILLING			
3/2/2015	8,695.00	88.00	179.70	7,711.80	1,194.27	-1,191.39	305.09	0.22	MWD	PRECISION DRILLING			
3/2/2015	8,784.00	87.90	179.70	7,714.98	1,283.21	-1,280.34	305.56	0.11	MWD	PRECISION DRILLING			
3/2/2015	8,873.00	87.00	179.10	7,718.94	1,372.12	-1,369.24	306.49	1.21	MWD	PRECISION DRILLING			
3/2/2015	8,963.00	87.10	179.10	7,723.57	1,462.00	-1,459.11	307.90	0.11	MWD	PRECISION DRILLING			
3/2/2015	9,052.00	87.70	179.50	7,727.61	1,550.91	-1,548.01	308.99	0.81	MWD	PRECISION DRILLING			
3/2/2015	9,141.00	87.30	178.80	7,731.49	1,639.82	-1,636.92	310.31	0.9	MWD	PRECISION DRILLING			
3/2/2015	9,231.00	87.30	179.00	7,735.73	1,729.72	-1,726.80	312.03	0	MWD	PRECISION DRILLING			
3/2/2015	9,320.00	86.50	178.80	7,740.55	1,818.58	-1,815.65	313.74	0	MWD	PRECISION DRILLING			
3/2/2015	9,409.00	87.40	178.40	7,745.28	1,907.44	-1,904.50	315.91	1.11	MWD	PRECISION DRILLING			
3/3/2015	9,498.00	88.70	178.40	7,748.31	1,996.38	-1,993.41	318.39	1.46	MWD	PRECISION DRILLING			
3/3/2015	9,588.00	90.00	179.00	7,749.33	2,086.36	-2,083.38	320.43	1.59	MWD	PRECISION DRILLING			
3/3/2015	9,677.00	90.40	179.10	7,749.02	2,175.36	-2,172.37	321.91	0.46	MWD	PRECISION DRILLING			
3/3/2015	9,766.00	90.70	179.10	7,748.17	2,264.35	-2,261.35	323.31	0.34	MWD	PRECISION DRILLING			
3/3/2015	9,855.00	89.30	179.50	7,748.17	2,353.35	-2,350.34	324.39	1.64	MWD	PRECISION DRILLING			

Provide signature page for Survey



Directional Survey

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Survey Data													
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company			
3/3/2015	9,945.00	89.30	179.70	7,749.27	2,443.34	-2,440.33	325.02	0.22	MWD	PRECISION DRILLING			
3/3/2015	10,034.00	89.30	181.10	7,750.35	2,532.32	-2,529.32	324.40	1.57	MWD	PRECISION DRILLING			
3/3/2015	10,123.00	89.80	182.80	7,751.05	2,621.23	-2,618.26	321.37	1.99	MWD	PRECISION DRILLING			
3/3/2015	10,212.00	90.40	184.20	7,750.90	2,710.00	-2,707.10	315.94	1.71	MWD	PRECISION DRILLING			
3/3/2015	10,302.00	90.10	185.60	7,750.50	2,799.59	-2,796.76	308.25	1.59	MWD	PRECISION DRILLING			
3/3/2015	10,391.00	90.30	186.00	7,750.19	2,888.05	-2,885.31	299.26	0.50	MWD	PRECISION DRILLING			
3/3/2015	10,481.00	90.40	186.20	7,749.64	2,977.44	-2,974.80	289.70	0.25	MWD	PRECISION DRILLING			
3/3/2015	10,570.00	90.70	186.30	7,748.79	3,065.81	-3,063.26	280.01	0.36	MWD	PRECISION DRILLING			
3/3/2015	10,659.00	91.00	186.70	7,747.47	3,154.13	-3,151.68	269.93	0.56	MWD	PRECISION DRILLING			
3/3/2015	10,748.00	89.60	187.20	7,747.00	3,242.36	-3,240.02	259.16	1.67	MWD	PRECISION DRILLING			
3/3/2015	10,838.00	89.60	187.60	7,747.63	3,331.49	-3,329.27	247.57	0.44	MWD	PRECISION DRILLING			
3/3/2015	10,927.00	89.80	187.90	7,748.10	3,419.56	-3,417.46	235.57	0.41	MWD	PRECISION DRILLING			
3/3/2015	11,016.00	90.00	188.30	7,748.25	3,507.55	-3,505.57	223.03	0.50	MWD	PRECISION DRILLING			
3/3/2015	11,106.00	90.30	188.80	7,748.02	3,596.41	-3,594.57	209.65	0.65	MWD	PRECISION DRILLING			
3/3/2015	11,195.00	90.70	189.00	7,747.24	3,684.20	-3,682.49	195.88	0.50	MWD	PRECISION DRILLING			
3/3/2015	11,285.00	90.80	189.50	7,746.06	3,772.88	-3,771.31	181.42	0.57	MWD	PRECISION DRILLING			
3/3/2015	11,374.00	89.30	189.00	7,745.98	3,860.58	-3,859.15	167.11	1.78	MWD	PRECISION DRILLING			
3/3/2015	11,464.00	88.90	189.00	7,747.40	3,949.32	-3,948.04	153.03	0.44	MWD	PRECISION DRILLING			
3/3/2015	11,553.00	89.00	189.30	7,749.03	4,037.04	-4,035.89	138.88	0.36	MWD	PRECISION DRILLING			
3/3/2015	11,642.00	89.30	190.00	7,750.35	4,124.62	-4,123.62	123.97	0.86	MWD	PRECISION DRILLING			
3/3/2015	11,732.00	89.30	190.20	7,751.45	4,213.06	-4,212.22	108.18	0.22	MWD	PRECISION DRILLING			
3/3/2015	11,821.00	89.40	190.60	7,752.46	4,300.44	-4,299.75	92.12	0.46	MWD	PRECISION DRILLING			
3/3/2015	11,910.00	89.40	190.70	7,753.39	4,387.74	-4,387.21	75.67	0.11	MWD	PRECISION DRILLING			
3/3/2015	11,999.00	89.60	191.10	7,754.17	4,474.96	-4,474.60	58.84	0.50	MWD	PRECISION DRILLING			
3/3/2015	12,089.00	89.60	190.90	7,754.80	4,563.14	-4,562.95	41.67	0.22	MWD	PRECISION DRILLING			
3/3/2015	12,157.00	89.60	190.90	7,755.27	4,629.78	-4,629.72	28.81	0.00	BIT	PRECISION DRILLING			

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