

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: November 14, 2013
API #: 47-103-02721

Farm name: WV Conservation Commission Operator Well No.: Mills-Wetzel #5H

LOCATION: Elevation: 1,331' Quadrangle: Pine Grove

District: Grant County: Wetzel
Latitude: 5,230 Feet South of 39 Deg. 32 Min. 30 Sec.
Longitude 2,090 Feet West of 80 Deg. 40 Min. 00 Sec.

Company: **Stone Energy Corporation**

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
6000 Hampton Center, Suite B Morgantown, WV 26505	20"	50'	50'	GTS
Agent: Tim McGregor	13.375"	1,256'	1,256'	1,188 - CTS
Inspector: Derek Haught	9.625"	2,758'	2,758'	1,158 - CTS
Date Permit Issued: 1/23/2012	5.5"		11,585'	2,777
Date Well Work Commenced: 3/13/2012	2.375"		7,912'	
Date Well Work Completed: 4/16/2013				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7,334				
Total Measured Depth (ft): 11,590				
Fresh Water Depth (ft.): 55				
Salt Water Depth (ft.): 1,980				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 1,071				
Void(s) encountered (N/Y) Depth(s) N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7,906' to 11,511'

Gas: Initial open flow 340 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 2,310 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 138 Hours

Static rock Pressure 1,700 psig (surface pressure) after 1 Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

W. J. [Signature]
Signature

11/14/2013
Date

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Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes X No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list MWD Gamma Ray, Mud Log, and CBL

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforated 14 intervals from 11,511' to 7,906'. Performed 14 individual stages of slick water stimulation using 5,018,461 gals fresh water, Sand - 581,875 lbs 100 Mesh and 5,113,540 lbs 40/70. AvBDP = 6,252 psi, AvTP = 7,451 psi, AvMTP = 9,031 psi, AvInjRate = 81.5 bpm, and AvSIP = 4,511 psi.

See Attachment for FracFocus information.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
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See attached sheet for formations encountered and their depths.

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MILLS-WETZEL #5H
 API 47-103-02721
 Stone Energy Corporation

	Horizontal		Bottom (ft TVD)	Bottom (ft MD)	
	Top (ft TVD)	Top (ft MD)			
Sandstone & Shale	Surface	*	1071		FW @ 55'
Pittsburgh Coal	1071		1075		
Sandstone & Shale	1075		2300		SW @ 1907'
Little Lime	2300	*	2330		
Big Lime	2330	*	2454		
Big Injun	2454	*	2554		Oil Show @ 2470'
Sandstone & Shale	2654	*	2916		
Berea Sandstone	2916	*	2956		
Shale	2956	*	3130		
Gordon	3130	*	3194		
Undiff Devonian Shale	3194	*	5418		
Riley	5418	*	5474		
Undiff Devonian Shale	5474	*	5512		
Benson	5512	*	5550		
Undiff Devonian Shale	5550	*	5753		
Pipe Creek	5753	*	5765		
Lower Alexander	5765	*	5812		
Undiff Devonian Shale	5812	*	6641	6749	
Rhinestreet	6641	6749	~ 6953	7123	
Cashaqua	6953	7123	~ 7060	7282	
Middlesex	7060	7282	~ 7080	7334	
West River	7080	7334	~ 7160	7472	
Geneseo	7160	7472	~ 7193	7549	
Tully Limestone	7193	7549	~ 7256	7734	
Hamilton	7256	7734	~ 7280	7830	
Marcellus	7280	7830	~ 7334	11590	
TD	7334	11590			

* From Pilot Hole Log and Driller's Log
 ~ From MWD Gamma Log

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Hydraulic Fracturing Fluid Product Component Information Disclosure

103-02721

Fracture Date:	2/25/2013
State:	West Virginia
County/Parish:	Wetzel County
API Number:	4710302721
Operator Name:	Stone Energy
Well Name and Number:	Mills Wetzel #5H
Longitude:	-80.67401
Latitude:	39.52759
Long/Lat Projection:	NAD27
Production Type:	Gas
True Vertical Depth (TVD):	7313
Total Water Volume (gal):	5018461

Hydraulic Fracturing Fluid Composition

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Slickwater, HCl 15%, WF115, SAPPHIRE VF	Schlumberger	Corrosion Inhibitor, Bactericide (Myacide GA25), Scale Inhibitor, AntiFoam Agent, Surfactant, Acid, Breaker, Gelling Agent, Friction Reducer, Rheology Modifier ClearFRAC XT J589, Iron Control Agent, Clay Control Agent, Propping Agent, Fluid Loss Additive	Water (Including Mix Water Supplied by Client)*	-		87.87961%	
			Crystalline silica	14808-60-7	98.57921%	11.94819%	
			Hydrochloric acid	7647-01-0	0.67693%	0.08205%	
			Carbohydrate polymer	Proprietary	0.44605%	0.05406%	
			Ammonium sulfate	Proprietary	0.18908%	0.02292%	
			Polyethylene glycol monohexyl ether	31726-34-8	0.05827%	0.00706%	
			Glutaraldehyde	111-30-8	0.04795%	0.00581%	
			Diammonium peroxodisulphate	7727-54-0	0.02494%	0.00302%	
			Erucic amidopropyl dimethyl betaine	149879-98-1	0.01993%	0.00242%	
			Propan-2-ol	67-63-0	0.01333%	0.00162%	
			Calcium chloride	10043-52-4	0.01085%	0.00132%	
			Trisodium ortho phosphate	7601-54-9	0.00354%	0.00043%	
			Ethane-1,2-diol	107-21-1	0.00354%	0.00043%	
			Methanol	67-56-1	0.00349%	0.00042%	
			Sodium erythorbate	6381-77-7	0.00277%	0.00034%	
			Aliphatic acids	Proprietary	0.00262%	0.00032%	
			Aliphatic alcohols, ethoxylated #2	Proprietary	0.00262%	0.00032%	
			Prop-2-yn-1-ol	107-19-7	0.00087%	0.00011%	
			Polypropylene glycol	25322-69-4	0.00072%	0.00009%	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Report ID: RPT-11906 (Generated on 3/29/2013 10:05 AM)

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.

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Job Number: 23D0512115
 Company: Stone Energy
 Lease/Well: Mills Wetzel 5H
 Location: Jacksonburg
 Rig Name: Saxon 141
 RKB: 18
 G.L. or M.S.L.: 1331

State/Country: West Virginia 103-02721
 Declination: -8.52
 Grid: -7.77
 File name: D:\WINSERVE\STONEJ~1\MW#5H.SVY
 Date/Time: 04-Jun-12 / 16:40
 Curve Name: MW#5H As Drilled

Scientific Drilling

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 163.29
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
108.00	.66	196.34	108.00	-.60	-.17	.52	.62	196.34	.61
208.00	.57	190.26	207.99	-1.64	-.43	1.45	1.69	194.56	.11
308.00	.58	180.79	307.99	-2.63	-.52	2.37	2.69	191.19	.10
408.00	.24	188.51	407.98	-3.35	-.56	3.05	3.39	189.48	.34
508.00	.29	212.81	507.98	-3.77	-.73	3.40	3.84	190.93	.12
608.00	.19	154.66	607.98	-4.13	-.79	3.73	4.21	190.87	.25
708.00	.15	204.97	707.98	-4.40	-.78	3.99	4.47	190.03	.15
808.00	.26	210.13	807.98	-4.71	-.95	4.24	4.81	191.36	.11
908.00	.24	197.30	907.98	-5.11	-1.12	4.57	5.23	192.40	.06
1008.00	.18	202.54	1007.98	-5.45	-1.25	4.87	5.60	192.86	.06
1108.00	.08	185.43	1107.98	-5.67	-1.31	5.05	5.82	193.03	.11
1208.00	.17	185.48	1207.98	-5.89	-1.33	5.25	6.04	192.76	.09
1308.00	.44	198.48	1307.98	-6.40	-1.47	5.71	6.56	192.93	.28
1408.00	.60	195.11	1407.97	-7.27	-1.73	6.46	7.47	193.37	.16
1508.00	.69	211.86	1507.97	-8.29	-2.18	7.31	8.57	194.75	.21
1608.00	.41	219.52	1607.96	-9.07	-2.73	7.91	9.47	196.73	.29
1708.00	.28	235.53	1707.96	-9.49	-3.16	8.18	10.00	198.40	.16
1808.00	.14	252.44	1807.96	-9.66	-3.47	8.25	10.27	199.78	.15
1908.00	.12	237.89	1907.96	-9.75	-3.68	8.28	10.43	200.67	.04
2008.00	.16	189.97	2007.96	-9.95	-3.79	8.44	10.65	200.87	.12
2108.00	.20	180.25	2107.96	-10.26	-3.82	8.73	10.95	200.41	.05
2208.00	.60	185.10	2207.96	-10.96	-3.86	9.38	11.62	199.43	.40
2308.00	.78	173.66	2307.95	-12.15	-3.84	10.54	12.74	197.52	.23
2408.00	.83	161.02	2407.94	-13.52	-3.53	11.93	13.97	194.62	.18
2508.00	.85	141.64	2507.93	-14.78	-2.83	13.34	15.05	190.89	.28
2608.00	.64	138.93	2607.92	-15.78	-2.00	14.54	15.91	187.29	.28
2708.00	.60	145.58	2707.91	-16.64	-1.34	15.55	16.69	184.60	.08
2808.00	.62	148.79	2807.91	-17.53	-.76	16.57	17.55	182.49	.04
2908.00	1.11	187.94	2907.90	-18.05	-.62	17.00	18.00	182.00	.00

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
3008.00	3.27	195.64	3007.82	-22.66	-1.52	21.27	22.71	183.83	2.18
3108.00	4.87	211.74	3107.57	-29.02	-4.52	26.49	29.37	188.86	1.95
3208.00	5.99	223.93	3207.12	-36.39	-10.37	31.87	37.84	195.91	1.60
3308.00	7.14	227.84	3306.46	-44.31	-18.60	37.09	48.06	202.77	1.23
3408.00	7.68	221.51	3405.63	-53.49	-27.64	43.28	60.21	207.32	.98
3508.00	8.12	226.49	3504.68	-63.36	-37.19	49.99	73.46	210.41	.81
3608.00	7.43	226.23	3603.76	-72.69	-46.98	56.11	86.55	212.87	.69
3708.00	9.02	226.44	3702.73	-82.57	-57.33	62.60	100.52	214.77	1.59
3808.00	8.93	215.04	3801.51	-94.32	-67.47	70.94	115.97	215.57	1.78
3908.00	8.83	222.62	3900.32	-106.33	-77.12	79.66	131.35	215.95	1.17
4008.00	9.36	222.98	3999.06	-117.92	-87.86	87.68	147.06	216.69	.53
4108.00	11.79	223.09	4097.35	-131.34	-100.39	96.93	165.31	217.39	2.43
4208.00	14.13	225.69	4194.80	-147.33	-116.10	107.72	187.58	218.24	2.41
4308.00	15.22	230.69	4291.54	-164.17	-134.99	118.42	212.54	219.43	1.67
4408.00	15.34	231.78	4388.01	-180.67	-155.54	128.32	238.40	220.73	.31
4508.00	15.30	231.82	4484.45	-197.01	-176.31	138.00	264.38	221.83	.04
4608.00	14.61	229.91	4581.07	-213.29	-196.33	147.83	289.89	222.63	.85
4708.00	15.40	229.75	4677.66	-229.99	-216.11	158.14	315.59	223.22	.79
4808.00	15.58	227.16	4774.02	-247.70	-236.09	169.36	342.19	223.63	.71
4908.00	16.41	226.43	4870.15	-266.56	-256.17	181.65	369.70	223.86	.85
5008.00	16.39	226.12	4966.08	-286.08	-276.58	194.48	397.91	224.03	.09
5108.00	15.61	229.21	5062.21	-304.65	-296.93	206.41	425.42	224.26	1.15
5208.00	15.22	228.18	5158.61	-322.19	-316.90	217.47	451.92	224.53	.48
5308.00	14.92	226.28	5255.17	-339.84	-335.99	228.89	477.89	224.67	.58
5408.00	15.18	226.09	5351.74	-357.82	-354.72	240.72	503.85	224.75	.26
5508.00	14.96	223.61	5448.31	-376.24	-373.06	253.09	529.84	224.76	.68
5608.00	15.93	222.52	5544.69	-395.71	-391.24	266.50	556.46	224.67	1.01
5708.00	16.08	221.67	5640.82	-416.17	-409.72	280.79	584.01	224.55	.28
5808.00	16.04	222.46	5736.92	-436.70	-428.25	295.13	611.64	224.44	.22
5908.00	16.74	223.66	5832.85	-457.31	-447.52	309.33	639.85	224.38	.78
6008.00	16.66	224.67	5928.63	-477.93	-467.54	323.31	668.59	224.37	.30
6108.00	15.41	223.51	6024.74	-497.76	-486.77	336.78	696.21	224.36	1.29
6208.00	15.17	223.72	6121.20	-516.85	-504.96	349.84	722.58	224.33	.25
6308.00	15.46	221.87	6217.65	-536.23	-522.90	363.24	748.98	224.28	.57
6408.00	15.44	222.46	6314.04	-555.98	-540.78	377.01	775.60	224.21	.16
6451.61	15.20	223.69	6356.10	-564.39	-548.65	382.81	787.12	224.19	.93
6488.00	14.57	220.17	6391.27	-571.34	-554.89	387.67	796.45	224.16	3.03
6520.00	13.83	218.50	6422.29	-577.41	-559.87	392.05	804.28	224.12	2.64
6552.00	13.46	217.50	6453.39	-583.36	-564.52	396.41	811.78	224.06	1.37
6584.00	13.49	213.07	6484.51	-589.44	-568.82	401.00	819.15	223.98	3.23
6616.00	14.83	207.80	6515.53	-596.19	-572.77	406.33	826.75	223.85	5.81
6647.00	16.41	204.22	6545.39	-603.69	-576.42	412.47	834.69	223.66	5.97
6679.00	18.43	204.68	6575.92	-612.41	-580.39	419.68	843.74	223.46	6.33
6711.00	20.44	205.55	6606.10	-622.05	-584.91	427.61	853.85	223.24	6.35
6743.00	22.49	204.41	6635.87	-632.67	-589.85	436.35	864.98	222.99	6.54
6775.00	24.44	203.00	6665.23	-644.34	-594.96	446.06	877.01	222.72	6.34
6806.00	26.07	202.04	6693.26	-656.55	-600.03	456.31	889.44	222.42	6.00
6838.00	27.99	202.08	6721.77	-670.03	-605.49	467.64	903.08	222.10	6.00
6869.00	29.70	202.16	6748.92	-683.89	-611.12	479.29	917.15	221.78	5.52
6901.00	31.59	202.54	6776.45	-698.97	-617.32	491.96	932.55	221.45	5.04

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6933.00	33.15	201.65	6803.48	-714.84	-623.76	505.31	948.73	221.11	5.10
6964.00	34.35	199.76	6829.25	-730.95	-629.85	518.99	964.89	220.75	5.14
6996.00	35.74	197.81	6855.45	-748.35	-635.76	533.95	981.95	220.35	5.58
7028.00	37.79	196.28	6881.08	-766.66	-641.37	549.88	999.56	219.91	7.02
7059.00	40.14	195.53	6905.19	-785.41	-646.71	566.30	1017.40	219.47	7.73
7091.00	41.65	194.41	6929.37	-805.65	-652.11	584.13	1036.49	218.99	5.25
7123.00	42.90	193.62	6953.05	-826.53	-657.33	602.63	1056.05	218.49	4.24
Check Bottom Line									
7155.00	44.50	192.85	6976.19	-848.05	-662.38	621.79	1076.08	217.99	5.27
7187.00	46.43	192.22	6998.63	-870.32	-667.33	641.69	1096.72	217.48	6.19
7219.00	48.70	192.18	7020.22	-893.40	-672.32	662.36	1118.12	216.96	7.09
7251.00	50.60	191.46	7040.94	-917.27	-677.32	683.79	1140.24	216.44	6.18
7283.00	52.82	190.66	7060.76	-941.92	-682.13	706.01	1162.98	215.91	7.21
7314.00	55.54	190.27	7078.91	-966.63	-686.70	728.37	1185.72	215.39	8.83
7346.00	57.26	190.53	7096.61	-992.85	-691.51	752.10	1209.93	214.86	5.42
7378.00	58.63	190.87	7113.60	-1019.50	-696.54	776.17	1234.73	214.34	4.37
7410.00	59.65	190.97	7130.01	-1046.47	-701.75	800.51	1259.98	213.85	3.20
7441.00	61.11	190.09	7145.33	-1072.96	-706.67	824.47	1284.77	213.37	5.32
7473.00	63.26	189.14	7160.26	-1100.87	-711.40	849.83	1310.72	212.87	7.21
7504.00	64.62	188.03	7173.88	-1128.40	-715.55	875.01	1336.15	212.38	5.44
7536.00	65.89	186.03	7187.28	-1157.24	-719.10	901.61	1362.47	211.86	6.93
7568.00	67.32	183.23	7199.99	-1186.51	-721.47	928.97	1388.64	211.30	9.19
7599.00	68.55	180.67	7211.63	-1215.22	-722.45	956.18	1413.75	210.73	8.62
7631.00	69.47	178.58	7223.10	-1245.10	-722.25	984.85	1439.41	210.12	6.74
7663.00	70.75	176.29	7233.98	-1275.15	-720.90	1014.03	1464.83	209.48	7.83
7694.00	71.91	174.09	7243.91	-1304.42	-718.44	1042.76	1489.18	208.84	7.69
7726.00	73.00	171.99	7253.56	-1334.70	-714.74	1072.83	1514.03	208.17	7.12
7758.00	74.04	170.25	7262.63	-1365.02	-710.00	1103.23	1538.62	207.48	6.14
7790.00	75.37	168.08	7271.08	-1395.33	-704.20	1133.93	1562.96	206.78	7.75
7822.00	76.90	165.81	7278.74	-1425.59	-697.18	1164.93	1586.93	206.06	8.38
7853.00	78.10	163.27	7285.46	-1454.76	-689.11	1195.19	1609.72	205.35	8.89
7885.00	79.40	160.27	7291.70	-1484.56	-679.29	1226.56	1632.59	204.59	10.05
7917.00	80.79	157.99	7297.20	-1514.01	-668.06	1257.99	1654.85	203.81	8.25
7949.00	81.27	156.22	7302.19	-1543.13	-655.76	1289.42	1676.69	203.02	5.67
7981.00	83.00	153.77	7306.57	-1571.85	-642.36	1320.78	1698.04	202.23	9.31
8013.00	85.06	152.03	7309.90	-1600.18	-627.87	1352.08	1718.95	201.42	8.41
8045.00	87.08	149.86	7312.10	-1628.09	-612.36	1383.27	1739.44	200.61	9.25
Check bottom line									
8077.00	88.76	149.25	7313.26	-1655.66	-596.16	1414.33	1759.72	199.80	5.58
8140.00	91.01	149.62	7313.38	-1709.90	-564.12	1475.49	1800.55	198.26	3.62
8204.00	91.28	149.50	7312.10	-1765.07	-531.71	1537.65	1843.41	196.76	.46
8267.00	90.97	148.96	7310.87	-1819.19	-499.48	1598.75	1886.51	195.35	.99
8331.00	91.51	148.69	7309.48	-1873.93	-466.36	1660.71	1931.09	193.98	.94
8395.00	90.47	148.47	7308.38	-1928.54	-433.00	1722.60	1976.55	192.65	1.66
8458.00	89.16	147.78	7308.58	-1982.04	-399.73	1783.40	2021.94	191.40	2.35
8521.00	88.76	146.48	7309.72	-2034.94	-365.55	1843.90	2067.51	190.08	2.16
8585.00	89.09	145.92	7310.92	-2088.11	-329.95	1905.07	2114.02	188.98	1.02
8649.00	89.16	145.22	7311.90	-2140.89	-293.77	1966.02	2160.96	187.81	1.10
8713.00	89.66	145.58	7312.56	-2193.57	-257.43	2026.92	2208.63	186.69	.96
8776.00	89.80	145.21	7312.86	-2245.43	-221.65	2086.88	2256.34	185.64	.62

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
8839.00	90.03	145.27	7312.95	-2297.18	-185.73	2146.77	2304.68	184.62	.38
8903.00	88.32	145.88	7313.87	-2349.97	-149.56	2207.73	2354.72	183.64	2.84
8966.00	87.61	145.71	7316.11	-2402.04	-114.17	2267.78	2404.75	182.72	1.16
9030.00	88.29	146.04	7318.40	-2454.98	-78.29	2328.81	2456.23	181.83	1.18
9093.00	88.96	146.64	7319.91	-2507.40	-43.38	2389.05	2507.78	180.99	1.43
Checked Bottom Line									
9157.00	90.00	147.67	7320.49	-2561.17	-8.67	2450.53	2561.18	180.19	2.29
9220.00	90.24	147.87	7320.36	-2614.46	24.93	2511.23	2614.58	179.45	.50
9284.00	89.76	147.71	7320.36	-2668.61	59.04	2572.90	2669.27	178.73	.79
9348.00	90.71	147.39	7320.10	-2722.62	93.38	2634.50	2724.22	178.04	1.57
9411.00	91.48	146.96	7318.89	-2775.55	127.53	2695.01	2778.48	177.37	1.40
9475.00	90.91	146.25	7317.56	-2828.97	162.75	2756.30	2833.65	176.71	1.42
9539.00	89.93	146.81	7317.09	-2882.36	198.04	2817.58	2889.15	176.07	1.76
9602.00	89.09	145.38	7317.63	-2934.64	233.18	2877.76	2943.89	175.46	2.63
9666.00	89.70	145.31	7318.30	-2987.28	269.57	2938.64	2999.42	174.84	.96
9729.00	90.47	145.17	7318.21	-3039.04	305.49	2998.54	3054.35	174.26	1.24
9793.00	89.36	144.97	7318.31	-3091.51	342.13	3059.33	3110.38	173.68	1.76
9857.00	90.23	144.65	7318.53	-3143.81	379.02	3120.03	3166.58	173.13	1.45
9920.00	90.17	144.93	7318.31	-3195.28	415.34	3179.78	3222.17	172.59	.45
9984.00	89.33	144.65	7318.59	-3247.57	452.24	3240.47	3278.91	172.07	1.38
10047.00	90.10	144.63	7318.91	-3298.95	488.70	3300.16	3334.95	171.57	1.22
10111.00	89.53	145.39	7319.11	-3351.38	525.40	3360.93	3392.32	171.09	1.48
10174.00	88.39	144.97	7320.26	-3403.09	561.36	3420.80	3449.08	170.63	1.93
Checked Bottom Line									
10238.00	89.29	144.91	7321.55	-3455.47	598.12	3481.53	3506.85	170.18	1.41
10301.00	89.83	145.32	7322.04	-3507.15	634.15	3541.38	3564.02	169.75	1.08
10365.00	90.67	145.09	7321.76	-3559.70	670.67	3602.22	3622.33	169.33	1.36
10429.00	91.51	145.26	7320.54	-3612.23	707.21	3663.04	3680.81	168.92	1.34
10493.00	89.90	145.58	7319.75	-3664.92	743.53	3723.94	3739.58	168.53	2.56
10556.00	88.79	145.69	7320.47	-3716.92	779.09	3783.97	3797.69	168.16	1.77
10619.00	89.43	145.70	7321.45	-3768.95	814.59	3844.02	3855.98	167.80	1.02
10683.00	89.83	145.82	7321.86	-3821.86	850.60	3905.04	3915.37	167.45	.65
10747.00	90.10	146.63	7321.90	-3875.06	886.18	3966.22	3975.10	167.12	1.33
10810.00	88.79	147.30	7322.51	-3927.87	920.52	4026.68	4034.29	166.81	2.34
10873.00	89.09	147.23	7323.68	-3980.85	954.58	4087.22	4093.71	166.52	.49
10937.00	89.26	147.98	7324.60	-4034.89	988.87	4148.83	4154.30	166.23	1.20
11001.00	88.19	147.54	7326.02	-4089.01	1023.00	4210.48	4215.03	165.95	1.81
11064.00	88.82	147.12	7327.67	-4142.02	1057.00	4271.03	4274.76	165.68	1.20
11127.00	89.56	147.91	7328.56	-4195.16	1090.83	4331.65	4334.66	165.42	1.72
11191.00	90.00	147.96	7328.80	-4249.39	1124.80	4393.36	4395.74	165.17	.69
11254.00	88.86	147.44	7329.43	-4302.64	1158.47	4454.04	4455.87	164.93	1.99
11318.00	89.46	147.34	7330.37	-4356.55	1192.95	4515.59	4516.93	164.69	.95
11382.00	89.66	147.47	7330.86	-4410.46	1227.43	4577.14	4578.08	164.45	.37
11445.00	88.72	147.01	7331.75	-4463.44	1261.52	4637.68	4638.29	164.22	.66
11509.00	89.46	146.99	7332.77	-4517.10	1296.37	4699.10	4699.45	163.99	1.16
Projection to Bit									
11590.00	89.46	146.99	7333.53	-4585.03	1340.49	4776.84	4776.96	163.70	.00

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