

Borehole: Original Borehole	Well: Judson Hollow #302-1HU	Field: PA Potter County (NAD83)	Structure: H&P 500
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Gravity & Magnetic Parameters Model: HDGM 2018 Dip: 68.013° Date: 20-Apr-2018 MagDec: -10.922° FS: 52705.382nT Gravity FS: 999.474mgn (9.80665 Based)	Surface Location NAD83 Pennsylvania State Plane, Northern Zone, US Feet Lat: N 41 48 38.66 Northing: 599030.87ftUS Grid Conv: 0.0349° Lon: W 77 41 50.20 Easting: 1982872.88ft Scale Fact: 0.99998036	Miscellaneous Slot: Hollow #302-1HU TVD Ref: KB(2247ft above MSL) Plan: JKLM Energy Judson Hollow #302-1HU Rev0 SLS 20Apr18
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Surface Location										
Northing: 599030.873264447		Easting: 1982872.88264946		Latitude: N 41 48 38.66		Longitude: W 77 41 50.20		VSec Azimuth: 179.64		
Target Description			Grid Coord					Local Coord		
Target Name	Shape	Dimension	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)
Judson Hollow #302-1HU LP	Point	N/A	N 41 48 24.43	W 77 42 18.22	597589.53	1980752.22	11300.00	1427.95	-1441.38	-2120.71
Judson Hollow #302-1HU BHL	Point	N/A	N 41 46 55.48	W 77 41 49.41	588587.53	1982938.86	11300.00	10443.78	-10443.57	65.98

Critical Points									
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS	
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NUDGE	2500.00	0.00	251.58	2500.00	0.00	0.00	0.00	0.00	
HOLD	3300.47	16.01	251.58	3290.09	34.44	-35.10	-105.42	2.00	
Base of Elk	3328.46	16.01	251.58	3317.00	36.83	-37.54	-112.74	0.00	
Base of Onondaga	6392.29	16.01	251.58	6262.00	298.71	-304.50	-914.45	0.00	
KOP	10933.59	16.01	251.58	10627.17	686.89	-700.19	-2102.77	0.00	
Reedsville	10999.11	17.22	233.67	10690.00	695.39	-708.80	-2119.17	8.00	
Utica	11702.52	63.95	174.38	11224.00	1104.64	-1118.42	-2176.79	8.00	
LP	12042.18	90.00	166.35	11300.00	1427.95	-1441.38	-2120.71	8.00	
BHL	21306.15	90.00	166.35	11300.00	10443.78	-10443.57	65.98	0.00	
Trenton	NaN	NaN	NaN	11483.00					
Black River	NaN	NaN	NaN	11847.00					

