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WV Department of  
Environmental Protection

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Tribune Resources



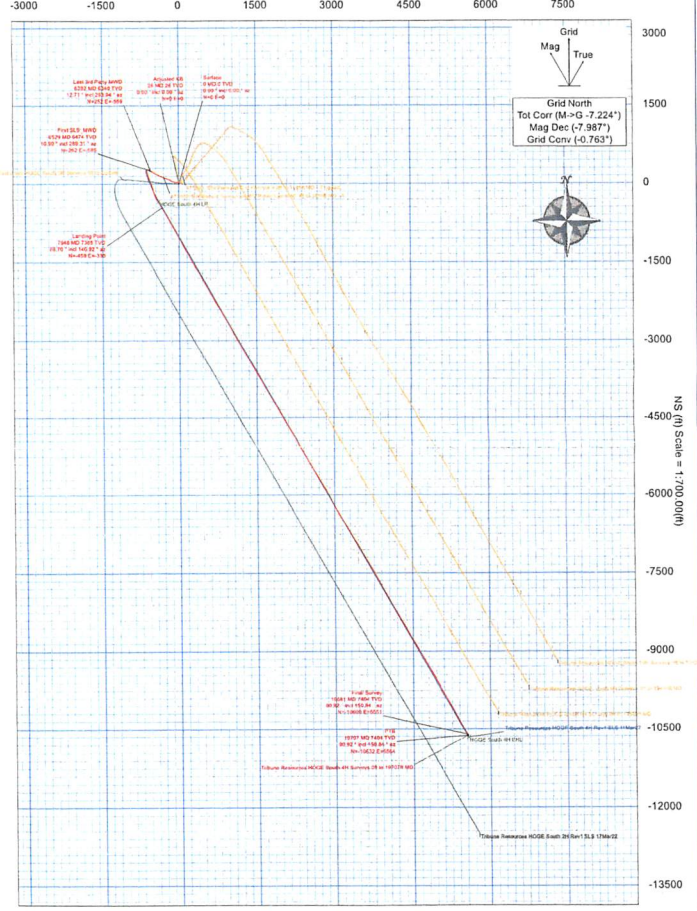
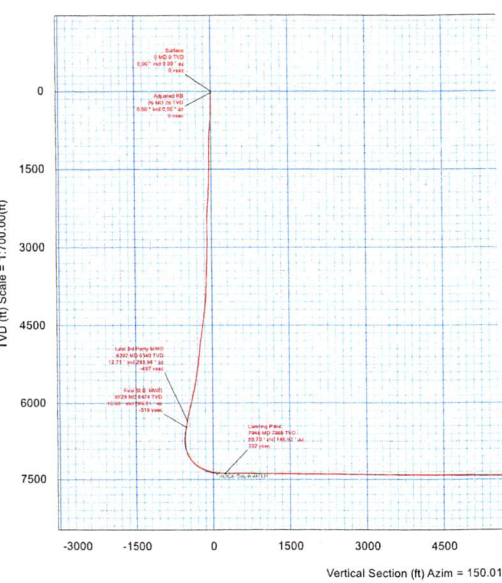
<b>Borehole:</b> Original Borehole	<b>Well:</b> HOGE South 4H	<b>Field:</b> WV Wetzel County (NAD 27)	<b>Structure:</b> H&P 608
<b>Gravity &amp; Magnetic Parameters</b> Model: HDGM 2022 Dip: 66.427° Date: 17-Mar-2022 MagDec: -7.947° FS: 51812.521mT Gravity FS: 959.304mgal (9.80665 Based)		<b>Surface Location</b> NAD27 West Virginia State Plane, Northern Zone, US Feet Lat: N 39 28 46.97 Northing: 359081.3705 Grid Conv: -0.7511° Lon: W 80 41 47.32 Easting: 1652281.3705 Scale Fact: 0.99994399	
<b>Miscellaneous</b> Slot: HOGE South 4H TVD Ref: RKB (1405.360 ft above MSL) Plan: Tribune Resources HOGE South 4H Rev1 SL1 17Mar22			

PAID	Seq	Survey	Tool	Vendor/Filter	Tool Size	Coating Size	Expended	MD Feet	MD Feet	Survey	ESD Size	ESD Size	Compressor
					in	mm	lb	ft	ft	Accuracy (ft)	(Nominal) (ft)	(Actual) (ft)	Contingency
1	1	A331M	MWD		11.6	13.375	0	0	0	0.75	3.75	3.75	
1	2	A331M	MWD		12.25	6.625	500	3000			13.313	15.00	
1	3	A331M	MWD		8.75	8.75	3000	4362.3			25.583	21.814	
1	4	B008M	MWD-GMP		8.5	8.5	8962.3	10744.074	17300.00		372.284	38.481	

EW (ft) Scale = 1:700.00(f)

Critical Points										
Comments	Survey (MWD)	Position (Northing)	Position (Easting)	TVS (ft)	VS (ft)	AS (ft)	ES (ft)	Sub-Sea TVD	DLSD (1000)	1000
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.40530	
Adjusted KB	26.30	0.00	0.00	26.30	0.00	0.00	0.00	-1.27930		0.00
Lead Sub Party MWD	6,430.30	8.74	330.01	6,349.20	-478.33	400.19	-10.00	4,160.00	1.59	
First SLB MWD	6,430.00	8.05	330.14	6,308.70	-481.90	400.54	-112.48	4,083.60	1.60	
Landing Point	6,564.00	80.22	151.20	7,103.18	-348.84	-200.46	413.83	5,077.00	1.40	
Final Survey	10,001.00	90.10	149.02	7,421.98	11,839.77	-10,142.94	6,114.45	6,016.00	0.42	
PTB	10,000.00	90.10	149.02	7,421.91	11,878.77	-10,176.37	6,131.54	6,016.01	0.00	

Surface Location										
Northing	359081.37050000	Easting	1652281.37050000	Latitude	39 28 46.97	Longitude	W 80 41 47.32	UTM Azimuth	168.81	
Target Name	Slope	Dimension	Latitude	Longitude	Northing	Easting	TVD	UVC	NOV(S)	SL(PS)
HOGE South 4H LF	Plan	N/A	N 38 28 43.63 W 80 41 47.32	359147.85	1651899.60	2360.00	81.17	353.62	-381.32	
HOGE South 4H B/L	Point	N/A	N 38 27 2.31 W 80 10 34.48	358417.76	1657922.60	2464.00	1202.18	1064.22	1571.62	



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03/17/2023