



Verdad Resources LLC



Rev 0

Borehole: Original Hole	Well: Safi 1224 12H	Field: CO, Weld County (NAD 83 NZ) - 2019	Structure: Verdad Resources 12-01N-65W (Safi 1224 Pad)
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Gravity & Magnetic Parameters		Surface Location			NAD83 Colorado State Plane, Northern Zone, US Feet		Miscellaneous	
Model: HDGM 2019	Dip: 66.379°	Date: 09-Dec-2019	Lat: N 40 3 53.23	Northing: 1267695.23ftUS	Grid Conv: 0.5748°	Slot: Safi 1224 12H	TVD Ref: KB 21ft(4991ft above MSL)	
MagDec: 8.034°	FS: 51937.931NT	Gravity FS: 999mgn (9.80665 Based)	Lon: W 104 36 37.61	Easting: 3248970.49ftUS	Scale Fact: 0.99996209	Plan: Safi 1224 12H R0 mdv 09Dec19		

Northing: 1267695.22804097		Easting: 3248970.4926418		Latitude: N 40 3 53.23		Longitude: W 104 36 37.61		VSec Azimuth: 174.16	
Target Description		Grid Coord		Local Coord					
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)	
Safi 1224 Pad Sec 12-13 - CL	N 40 3 53.23	W 104 36 38.64	1267694.75	3248890.50	4991.00	-8.47	0.33	-80.00	
Safi 1224 Pad Sec 13-24 - CL	N 40 3 53.23	W 104 36 38.64	1267694.75	3248890.50	4991.00	-8.47	0.33	-80.00	
Safi 1224 Pad Sec 12-13-24	N 40 3 53.23	W 104 36 38.64	1267694.75	3248890.50	4991.00	-8.47	0.33	-80.00	
Safi 1224 Pad Sec 13-24 - Setback	N 40 3 53.23	W 104 36 38.64	1267694.75	3248890.50	4991.00	-8.47	0.33	-80.00	
Safi 1224 12H BHL	N 40 1 50.93	W 104 36 21.34	1255334.17	3250360.31	7101.00	12439.44	-12374.87	1265.80	
Safi 1224 12H LP	N 40 3 31.28	W 104 36 20.19	1265488.45	3250347.36	7106.00	2346.90	-2220.57	1354.72	

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Build 2 DLS	200.00	0.00	140.70	200.00	0.00	0.00	0.00	0.00
Hold	1121.60	18.43	140.70	1105.78	122.61	-113.73	93.08	2.00
9 5/8" Casing Point	1747.95	18.43	140.70	1700.00	287.84	-266.99	218.50	0.00
KOP, Build/Turn 8 DLS	6887.32	18.43	140.70	6575.73	1643.56	-1524.52	1247.63	0.00
Safi 1224 12H LP	7836.93	90.03	180.50	7106.00	2346.90	-2220.57	1354.72	8.00
Safi 1224 12H BHL	17991.62	90.03	180.50	7101.00	12439.44	-12374.87	1265.80	0.00

