			PAUL GRAHAM	RIG
		IAN	CLINION HARMAN	Witnessed By
	CARLOS ARVELO		ENDER GARCIA	Recorded By
		CASPER	113	Equipment / Base
		deg F	210.00	Max Recorded Temp
			7 HRS	Time Since Circulation
		ohm-m	1.708 @210.0	Rm @ BHT
		CALC	CALC	Source Rmf / Rmc
		ohm-m	5.85 @ 75.0	Rmc @ Measured Temp
		ohm-m	3.51 @ 75.0	Rmf @ Measured Temp
		ohm-m	4.68 @ 75.0	Rm @ Measured Temp
			FLOWLINE	Sample Source
		3.50 ml/30Min	7.00	PH / Fluid Loss
		41.00 sec/qt	11.10 lb/USg	Density / Viscosity
			WBM	Hole Fluid Type
		inches	8.500	Bit Size
		feet	1127.00	Casing Logger
		feet	1130.00	Casing Driller
		feet	1127.00	Last Reading
		feet	5440.85	First Reading
		feet	5504.00	Depth Logger
		feet	5500.00	Depth Driller
			113-85	Service Order
			1	Run Number
			17-OCT-2022	Date
2204.50 2192.00	<u></u>			Drilling Measured From KB
2204.50	KB	manent Datum	50 feet above Per	_
feet	Elevations:		Elevation 2192 feet	)atum GL
			11-075-20039	ēŗ
ONIC	PHOTO-DENSITY COMPENSATED SONIC	EUTRON INDUCTION	44.0134238889 DUAL NEUTRON 116.8699952778 ARRAY INDUCTION	Latitude 44.0134 Longitude 116.8698
		ervices	RGE 4W Other Services	SEC 19 TWP 8N RGI
		, 925' FWL	SHL: 904' FSL & 925' FWL	N
			U.S.A. / IDAHO	STATE U.S.
CE jthu			PAYETTE	COUNTY PAY
			WILDCAT	FIELD WIL
			IRVIN #1-19	
1:38 a	LLC	RIVER OIL AND GAS, LLC	KE RIVER (	COMPANY SNAKE
nm, Jan 20, 2	VERTICALITY ANALYSIS	VERTICA		WIRELINE INC
023				

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

## REMARKS

SOFTWARE: LOGGED WITGH WLS 22.11.1632

CALIBRATED MEASURE WHEEL PROCEDURE. FIRST RUN IN HOLE.

QUAD COMBO LOG RECORDED FROM 5504 FT TO SURFACE CASING AND GR TO SURFACE AS REQUESTED BY CUSTOMER

TOOLS RUN: MAI, MFE, MISD, MSS, MTC, SKJ, MISE, SKJ, MPD, MDN, MBN, MVC, MCG, SHA, CBH

HARDWARE: MAI: INLINE CENTRALIZER FITTED AT BOTTOM

MISD CENTRALIZER AT TOP

MSS: MISD CENTRALIZER BELOW AND MTC WITH BASKET ABOVE

MTC: OVERBODY CENTRALIZER ON THE TOOL

MPD: 8" PROFILE PLATE FITTED

MDN: DUAL BOWSPRING ECCENTRALIZER FITTED

MATRIX FOR POROSITY CALCULATION: 2.65 G/CC

ANNULAR VOLUME BASED ON 5.5" PRODUCTION CASING

FOR HVOL AND AVOL PLEASE SEE LOG

CREW: ARVELO, GARCIA, TODD, MUIR

## Verticality Analysis Interpretation Notes

18-OCT-2022 07:23

All plotted output is automatically scaled to obtain the best visual effect within the physical space available. The maximum scales being 1:50000(metric) and 1:48000(imperial), and the minimum 1:1.

The analysis is derived by integrating 10cm sampled data down the borehole. The listing supplied will contain a maximum of 200 points in multiples of 1, 2, 5, 10, 20, 50 or 100 metres/feet depending on the total range of the analysis. However, the analysis is calculated for the entire range of the borehole and the final borehole position is included in the listing.

Computed verticality may only be fully derived in open sections of the borehole, away from the influence of any unusual magnetic effects, (as the azimuth calculations are derived from three solid state magnetometers). So the analysis will generally begin at the end of the casing and all borehole positional information will relate to this depth.

Up to ten cross sections may be requested for any borehole to be displayed at any scale, (the default scale is that of the cross-section for the entire hole).

Borehole positional error is derived assuming the following parameters.

TILT (degrees) AZIMUTH (degrees)

Typical Error +/- 0.1000 +/- 5.0000

Maximum Error +/- 0.2000 +/- 8.0000

Error analysis may be calculated and plotted from the data listing as follows:

- a) Plot the four coordinates from the error listing (based upon zero azimuth error) on a target plot. Origin at the start of the analysis.
- b) Describe arcs of +/- 10.00 degrees and +/- 15.00 degrees (centre at the origin) through the inner and outer points respectively.
- c) Connect the respective arcs together with straight lines to give the typical and maximum borehole positional error.

Given below is a full description of the parameters displayed on the ensuing listing:

LOG DEPTH The depth recorded on the field logs for the borehole.

TRUE DEPTH The true vertical depth corresponding to the above depth. Corrected from the start

of the analysis.

HOLE TILT AND AZIMUTH The sampled borehole orientation. Tilt measured from Vertical.

AXIAL COORDINATES The coordinates North and East from the target origin.

POLAR COORDINATES The polar or radial coordinates of the borehole.

ERROR COORDINATES The polar coordinates corresponding to the typical and maximum tilt error.

N.B. The reference point for all bearing angles on this listing is given at the top of each sheet.

## Verticality Data Listing

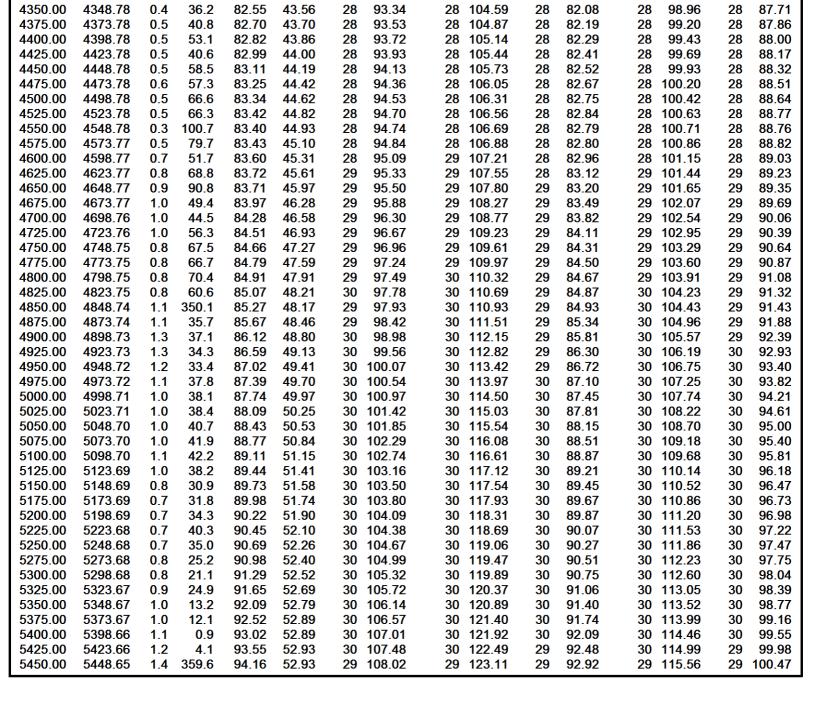
C:\LOGS\SNAKE RIVER\IRVIN #1-19\MP.dta

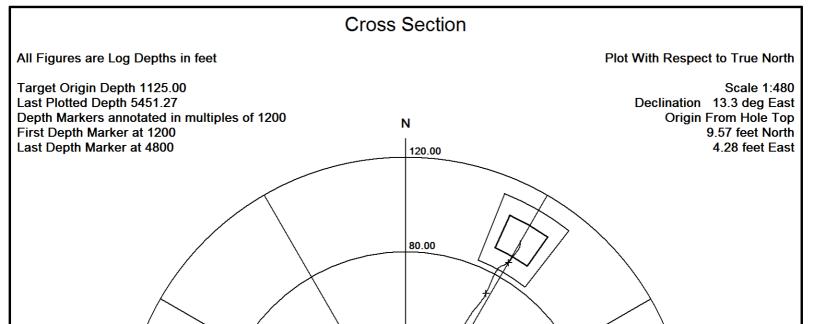
All Co-ordinates With Respect To True North, all depths in feet

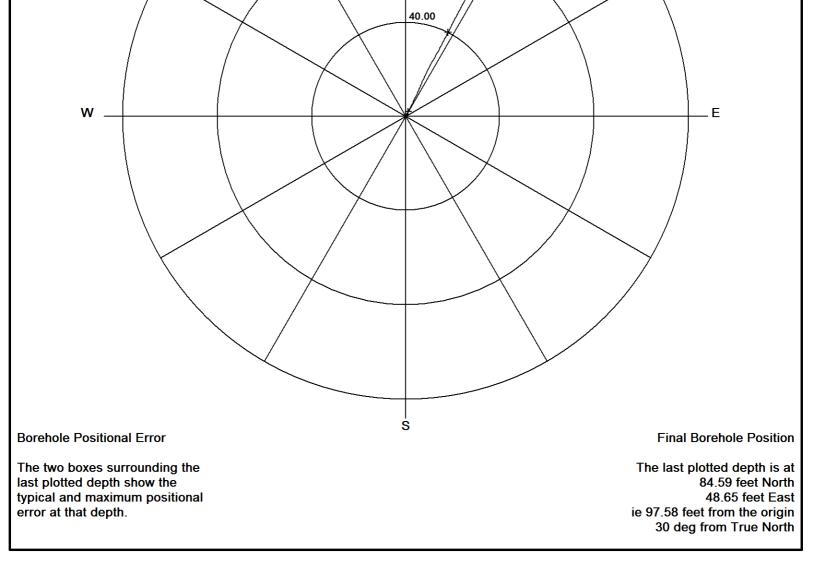
Date Processed: 18-OCT-2022 First Depth 1125.00, 9.57 North, 4.28 East of Origin 18-OCT-2022 Date Logged:

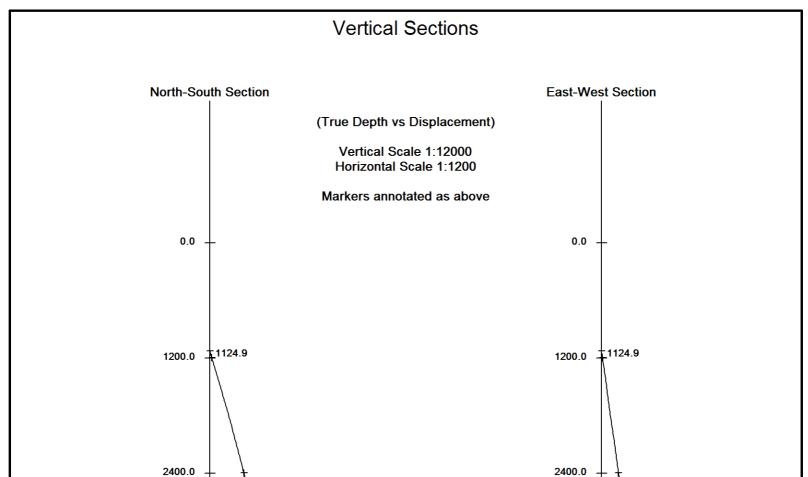
DE	EPTHS	BORE	HOLE	AXIAL C	O-ORD	S PO	OLAR	PC	LAR ER	ROR C	O-ORDIN	NATES (	MAXIMU	M & TY	PICAL)
Log	True	Tilt	Azi	North	East	Brg	Radius	Brg	Radius	Brg	Radius	Brg	Radius	Brg	Radius
1125.00	1124.93	1.6	8.3	9.58	4.28	24	10.49	0	0.00	0	0.00	0	0.00	0	0.00
1150.00	1149.92	2.0	22.4	10.30	4.58	24	11.27	24	11.36	24	11.19	24	11.32	24	11.23
1175.00	1174.90	1.9	30.6	11.03	5.01	24	12.11	24	12.28	24	11.94	24	12.20	24	12.02
1200.00	1199.89	1.9	27.6	11.76	5.39	25	12.94	25	13.20	25	12.67	25	13.07	25	12.81
1225.00	1224.87	1.9	29.0	12.47	5.78	25	13.74	25	14.09	25	13.39	25	13.92	25	13.57
1250.00	1249.86	1.9	29.7	13.19	6.20	25	14.58	25	15.01	25	14.14	25	14.80	25	14.36
1275.00	1274.85	2.0	29.2	13.94	6.61	25	15.43	25	15.95	25	14.90	25	15.69	25	15.16
1300.00	1299.83	2.0	26.5	14.70	7.00	25	16.28	26	16.89	25	15.67	25	16.59	25	15.98
1325.00	1324.82	1.9	25.7	15.45	7.36	25	17.12	26	17.81	25	16.42	26	17.47	25	16.77
1350.00	1349.80	1.9	26.6 26.2	16.20	7.73 8.10	26	17.95 18.79	26	18.73 19.66	25	17.16	26	18.34 19.23	25	17.56 18.36
1375.00 1400.00	1374.79 1399.77	1.9 2.0	25.8	16.96 17.73	8.48	26 26	19.65	26 26	20.61	25 25	17.92 18.69	26 26	20.13	26 26	19.17
1400.00	1424.76	1.9	25.5 25.5	18.49	8.84	26	20.50	26 26	21.54	25 25	19.45	26	21.02	26	19.17
1423.00	1449.75	1.8	24.6	19.21	9.17	26	21.29	26	22.42	25	20.16	26	21.86	25	20.72
1475.00	1474.73	1.8	24.3	19.94	9.50	25	22.08	26	23.30	25	20.86	26	22.69	25	21.47
1500.00	1499.72	1.8	24.7	20.67	9.83	25	22.89	26	24.20	25	21.58	25	23.54	25	22.23
1525.00	1524.71	1.8	24.0	21.40	10.16	25	23.69	25	25.08	25	22.29	25	24.38	25	22.99
1550.00	1549.70	1.8	22.8	22.12	10.46	25	24.47	25	25.96	25	22.99	25	25.21	25	23.73
1575.00	1574.68	1.8	23.7	22.83	10.77	25	25.25	25	26.82	25	23.68	25	26.03	25	24.46
1600.00	1599.67	1.8	22.4	23.55	11.07	25	26.02	25	27.68	25	24.37	25	26.85	25	25.20
1625.00	1624.66	1.8	22.0	24.30	11.37	<b>25</b>	26.83	25	28.57	25	25.08	25	27.70	25	25.96
1650.00	1649.65	1.8	23.7	25.03	11.70	25	27.63	25	29.46	25	25.80	25	28.54	25	26.71
1675.00	1674.63	1.9	25.5	25.77	12.05	25	28.44	25	30.36	25	26.52	25	29.40	25	27.48
1700.00	1699.62	1.9	25.3	26.50	12.39	25	29.25	25	31.26	25	27.25	25	30.26	25	28.25
1725.00	1724.61	1.9	25.0	27.23	12.73	25	30.06	25	32.16	25	27.97	25	31.11	25	29.02
1750.00	1749.59	1.9	24.8	27.98	13.08	25	30.89	25	33.07	25	28.71	25	31.98	25	29.80
1775.00	1774.58	1.7	25.4	28.66	13.40	25	31.63	25	33.90	25	29.37	25	32.77	25	30.50
1800.00	1799.57	1.8	26.4	29.35	13.74	25	32.40	25	34.76	25	30.05	25	33.58	25	31.23
1825.00	1824.56	1.8	28.3	30.04	14.12	25	33.19	25	35.63	25	30.75	25	34.41	25	31.97
1850.00	1849.55	1.8	28.2 26.5	30.73	14.49	25 25	33.98	25 25	36.51 37.37	25 25	31.45	25 25	35.24 36.06	25 25	32.71 33.45
1875.00 1900.00	1874.53 1899.52	1.8 1.8	29.9	31.43 32.09	14.84 15.22	25 25	34.75 35.51	25 25	38.22	25 25	32.14 32.81	25 25	36.87	25 25	33.43 34.16
1900.00	1924.51	1.7	28.8	32.75	15.22	25 25	36.27	25 25	39.06	25 25	33.48	25 25	37.66	25 25	34.87
1950.00	1949.50	1.7	29.8	33.39	15.95	26	37.01	26	39.88	25	34.13	26	38.44	26	35.57
1975.00	1974.49	1.7	29.5	34.05	16.32	26	37.76	26	40.72	26	34.79	26	39.24	26	36.27
2000.00	1999.48	1.7	31.0	34.69	16.70	26	38.50	26	41.55	26	35.44	26	40.02	26	36.97
2025.00	2024.47	1.7	29.1	35.34	17.06	26	39.24	26	42.38	26	36.10	26	40.81	26	37.67
2050.00	2049.45	1.8	30.5	36.00	17.45	26	40.00	26	43.23	26	36.78	26	41.62	26	38.39
2075.00	2074.44	1.7	29.7	36.64	17.81	26	40.74	26	44.05	26	37.42	26	42.40	26	39.08
2100.00	2099.43	1.7	28.9	37.29	18.18	26	41.49	26	44.89	26	38.09	26	43.19	26	39.79
2125.00	2124.42	1.7	28.9	37.96	18.55	26	42.25	26	45.74	26	38.76	26	43.99	26	40.51
2150.00	2149.41	1.7	27.9	38.63	18.90	26	43.01	26	46.58	26	39.43	26	44.80	26	41.22
2175.00	2174.40	1.7	26.7	39.29	19.23	26	43.75	26	47.41	26	40.09	26	45.58	26	41.92
2200.00	2199.39	1.7	27.1	39.95	19.57	26	44.49	26	48.24	26	40.74	26	46.36	26	42.61
2225.00	2224.38	1.7	26.8	40.62	19.91	26	45.24	26	49.07	26	41.40	26	47.15	26	43.32
2250.00	2249.36	1.7	27.4	41.29	20.25	26	45.99	26	49.91	26	42.06	26	47.95	26	44.03
2275.00	2274.35 2299.34	1.7	26.7 26.7	41.94 42.58	20.58 20.90	26	46.71	26	50.72	26	42.70 43.34	26	48.72 49.49	26	44.71 45.39
2300.00 2325.00	2324.33	1.7 1.7	26.8	42.56 43.24	20.90	26 26	47.44 48.18	26 26	51.54 52.36	26 26	43.34	26 26	49.49 50.27	26 26	46.08
2350.00	2349.32	1.7	27.8	43.89	21.58	26	48.91	26 26	53.18	26	44.63	26	51.04	26	46.77
2375.00	2374.31	1.7	27.9	44.55	21.93	26	49.66	26 26	54.02	26	45.30	26	51.04	26	47.48
2400.00	2399.30	1.7	27.8	45.20	22.27	26	50.39	26	54.84	26	45.94	26	52.61	26	48.17
2425.00	2424.29	1.7	28.4	45.84	22.62	26	51.12	26	55.66	26	46.59	26	53.39	26	48.85
2450.00	2449.28	1.7	28.3	46.48	22.96	26	51.85	26	56.47	26	47.22	26	54.16	26	49.54
2475.00	2474.27	1.7	27.8	47.12	23.30	26	52.57	26	57.28	26	47.86	26	54.92	26	50.21
2500.00	2499.26	1.7	27.3	47.78	23.64	26	53.30	26	58.10	26	48.51	26	55.70	26	50.91
2525.00	2524.25	1.7	26.0	48.42	23.95	26	54.02	26	58.91	26	49.14	26	56.46	26	51.58
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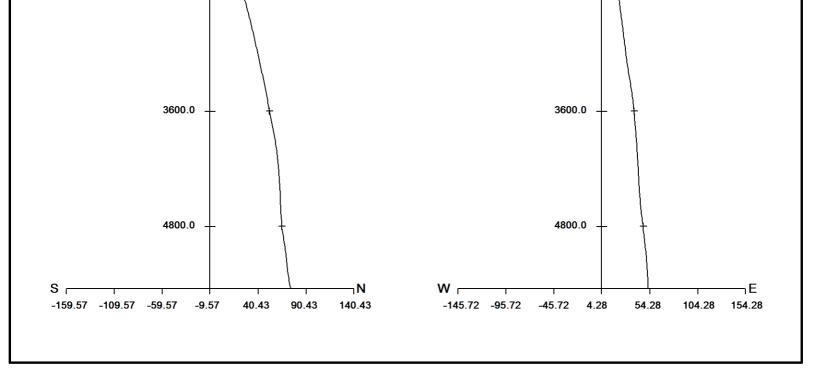
0575.00	0574.00	4.0	05.4	40.70	04.50	00	FF 4F	00	00.54	00	E0.00	00	F7.00	00	50.00
2575.00	2574.23	1.6	25.1	49.70	24.58	26	55.45	26	60.51	26	50.39	26	57.98	26	52.92
2600.00	2599.22	1.6	26.0	50.34	24.89	26	56.16	26	61.30	<b>26</b>	51.01	26	58.73	26	53.59
2625.00	2624.21	1.6	26.7	50.97	25.21	26	56.87	26	62.10	26	51.63	26	59.48	26	54.25
2650.00	2649.20	1.6	26.9	51.59	25.52	26	57.55	26	62.87	26	52.23	26	60.21	26	54.89
2675.00	2674.19	1.6	27.6	52.21	25.85	26	58.26	26	63.67	26	52.85	26	60.96	26	55.55
2700.00	2699.18	1.6	27.7	52.82	26.16	26	58.94	26	64.44	26	53.45	26	61.69	26	56.19
2725.00	2724.17	1.6	28.2	53.42	26.49	26	59.63	26	65.21	26	54.04	26	62.42	26	56.84
2750.00	2749.16	1.5	28.4	54.01	26.81	26	60.30	26	65.97	26	54.63	26	63.13	26	57.46
2775.00	2774.15	1.5	28.1	54.60	27.12	26	60.96	26	66.72	26	55.20	26	63.84	26	58.08
2800.00	2799.14	1.5	29.4	55.18	27.45	26	61.63	26	67.47	26	55.78	26	64.55	26	58.71
2825.00	2824.13						62.29	27	68.22				65.25		
		1.5	28.1	55.76	27.76	26				26	56.36	26		26	59.32
2850.00	2849.12	1.6	29.2	56.35	28.09	26	62.96	27	68.98	26	56.94	27	65.97	26	59.95
2875.00	2874.11	1.5	28.6	56.94	28.41	27	63.64	27	69.74	26	57.53	27	66.69	26	60.58
2900.00	2899.11	1.5	29.6	57.51	28.73	27	64.29	27	70.48	26	58.10	27	67.39	27	61.19
2925.00	2924.10	1.5	29.4	58.07	29.05	27	64.93	27	71.21	27	58.65	27	68.07	27	61.79
2950.00	2949.09	1.5	28.9	58.64	29.37	27	65.59	27	71.95	27	59.22	27	68.77	27	62.40
2975.00	2974.08	1.5	28.2	59.22	29.67	27	66.23	27	72.69	27	59.78	27	69.46	27	63.01
3000.00	2999.07	1.4	27.6	59.78	29.97	27	66.87	27	73.41	27	60.33	27	70.14	27	63.60
3025.00	3024.06	1.4	29.8	60.32	30.28	27	67.50	27	74.12	27	60.87	27	70.81	27	64.18
3050.00	3049.06	1.5	29.7	60.87	30.59	27	68.13	27	74.84	27	61.41	27	71.49	27	64.77
3075.00	3074.05	1.4	31.6	61.39	30.91	27	68.73	27	75.54	27	61.93	27	72.13	27	65.33
3100.00	3099.04	1.4	32.9	61.91	31.25	27	69.35	27	76.24	27	62.46	27	72.79	27	65.90
3125.00	3124.03	1.5	32.5	62.45	31.59	27	69.99	27	76.24	27	63.01	27	73.47	27	66.50
3150.00	3149.03	1.5	31.8	62.43	31.93	27	70.62	27	77.68	27	63.55	27 27	74.15	27	67.08
3175.00				63.52	32.28										
	3174.02	1.5	34.3			27	71.25	27	78.40	27	64.10	27	74.83	27	67.67
3200.00	3199.01	1.5	34.9	64.07	32.67	27	71.92	27	79.15	27	64.68	27	75.54	27	68.30
3225.00	3224.00	1.6	36.2	64.62	33.08	27	72.60	27	79.92	27	65.27	27	76.26	27	68.93
3250.00	3248.99	1.6	38.4	65.17	33.51	27	73.28	27	80.69	27	65.86	27	76.98	27	69.57
3275.00	3273.98	1.6	40.4	65.69	33.95	27	73.95	27	81.45	27	66.45	27	77.70	27	70.20
3300.00	3298.97	1.6	39.4	66.22	34.39	27	74.61	27	82.20	27	67.02	27	78.41	27	70.82
3325.00	3323.96	1.6	41.0	66.73	34.83	28	75.27	28	82.95	27	67.60	28	79.11	28	71.43
3350.00	3348.95	1.6	40.3	67.26	35.28	28	75.95	28	83.71	28	68.18	28	79.83	28	72.07
3375.00	3373.94	1.5	40.3	67.75	35.69	28	76.58	28	84.43	28	68.73	28	80.50	28	72.65
3400.00	3398.94	1.4	37.3	68.25	36.07	28	77.19	28	85.13	28	69.26	28	81.16	28	73.23
3425.00	3423.93	1.4	37.3	68.72	36.43	28	77.78	28	85.80	28	69.76	28	81.79	28	73.77
3450.00	3448.92	1.4	35.8	69.20	36.78	28	78.36	28	86.47	28	70.25	28	82.42	28	74.31
3475.00	3473.91	1.3	37.6	69.64	37.12	28	78.92	28	87.12	28	70.72	28	83.02	28	74.82
3500.00	3498.91	1.3	33.5	70.11	37.43	28	79.47	28	87.76	28	71.18	28	83.61	28	75.33
3525.00	3523.90	1.2	31.1	70.11	37.43 37.70	28	80.00	28	88.37	28	71.16	28	84.18	28	75.81
	3548.90												84.73		
3550.00		1.2	30.0	70.99		28	80.50	28	88.96	28	72.04	28		28	76.27
3575.00	3573.89	1.2	26.9	71.46	38.19	28	81.02	28	89.57	28	72.47	28	85.29	28	76.74
3600.00	3598.89	1.2	22.1	71.92	38.37	28	81.52	28	90.15	28	72.88	28	85.83	28	77.20
3625.00	3623.88	1.1	23.0	72.39	38.57	28	82.02	28	90.74	28	73.30	28	86.38	28	77.66
3650.00	3648.88	1.2	23.6	72.87	38.78	28	82.55	28	91.36	28	73.74	28	86.95	28	78.14
3675.00	3673.87	1.3	26.1	73.36	39.03	28	83.09	28	91.99	28	74.20	28	87.54	28	78.65
3700.00	3698.86	1.3	24.8	73.87	39.26	28	83.65	28		28	74.67	28	88.14	28	79.16
3725.00	3723.86	1.2	24.9	74.36	39.49	28	84.19	28		28	75.12	28	88.73	28	79.65
3750.00	3748.85	1.2	24.9	74.85	39.72	28	84.74	28		28	75.58	28	89.32	28	80.16
3775.00	3773.85	1.3	23.3	75.37	39.94	28	85.30	28		28	76.05	28	89.92	28	80.68
3800.00	3798.84	1.2	22.4	75.87	40.15	28	85.84	28		28	76.50	28	90.50	28	81.17
3825.00	3823.83	1.2	25.1	76.33	40.36	28	86.35	28		28	76.93	28	91.06	28	81.64
3850.00	3848.83	1.2	22.4	76.80	40.56	28	86.85	28	96.36	28	77.34	28	91.61	28	82.10
3875.00	3873.82	1.1	24.6	77.25	40.76	28	87.35	28	96.94	28	77.75	28	92.14	28	82.55
3900.00	3898.82	1.1	24.0	77.71	40.96	28	87.84	28		28	78.16	28	92.69	28	83.00
3925.00	3923.82	1.0	23.3	78.12	41.14	28	88.29	28		28	78.52	28	93.18	28	83.41
3950.00	3948.81	1.0	23.2	78.51	41.14	28	88.71	28		28	78.86	28	93.64	28	83.78
3975.00	3973.81	0.9	22.8	78.87	41.46	28	89.11	28		28	79.16	28	94.08	28	84.14
4000.00	3998.81	0.9	19.8	79.26	41.60	28	89.51	28		28	79.48	28	94.53	28	84.50
4025.00	4023.80	8.0	20.3	79.59	41.72	28	89.86	28		28	79.74	28	94.92	28	84.80
4050.00	4048.80	0.8	24.8	79.92	41.87	28	90.22		100.43	28	80.01	28	95.32	28	85.12
4075.00	4073.80	0.7	28.8	80.19	42.03	28	90.54		100.83	28	80.24	28	95.68	28	85.39
4100.00	4098.80	8.0	31.3	80.48	42.20	28	90.87		101.25	28	80.49	28	96.06	28	85.68
4125.00	4123.79	0.7	32.7	80.72	42.35	28	91.15		101.62	28	80.69	28	96.39	28	85.92
4150.00	4148.79	0.6	32.1	80.94	42.49	28	91.42	28	101.97	28	80.86	28	96.70	28	86.14
4175.00	4173.79	0.7	31.6	81.18	42.64	28	91.70	28	102.34	28	81.06	28	97.02	28	86.38
4200.00	4198.79	0.7	31.7	81.43	42.80	28	91.99		102.72	28	81.26	28	97.36	28	86.63
4225.00	4223.79	0.7	31.3	81.69	42.95	28	92.29		103.11	28	81.48	28	97.70	28	86.88
4250.00	4248.79	0.6	34.0	81.90	43.10	28	92.55		103.45	28	81.64	28	98.00	28	87.10
4275.00	4273.79	0.5	39.6	82.07	43.24	28	92.76		103.76	28	81.77	28	98.26	28	87.27
4300.00	4273.79	0.5	37.2	82.23	43.24	28	92.76		103.76	28	81.88	28	98.50	28	87.42
4325.00	4323.78	0.5	31.3	82.42	43.4 <i>1</i>	28	93.18	28	104.34	28	82.01	28	98.76	28	87.59











True

4473.78

4498.78 4523.78

4548.78

4573.77

4598.77

4623.77

4648.77

4673.77

4698.76

4723.76 4748.75

4773.75

4798.75

4823.75

4848.74

4873.74

4898.73

4923.73

4948.72 4973.72

4998.71

5023.71

5048.70

5073.70

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5173.69

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5248.68

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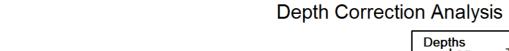
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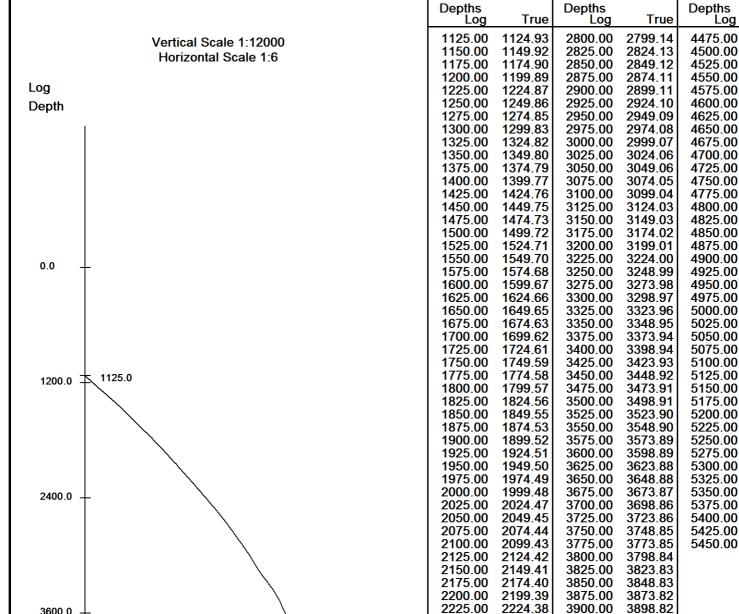
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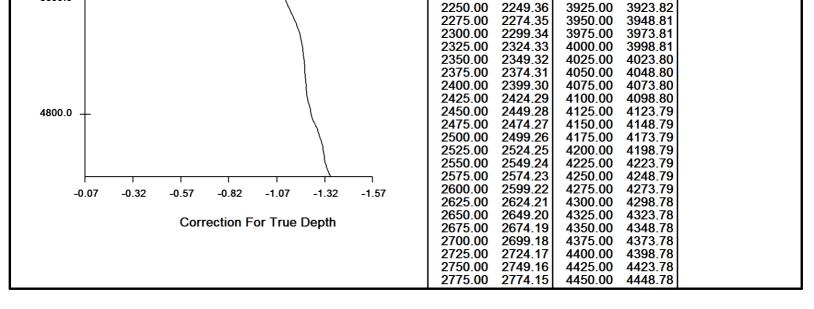
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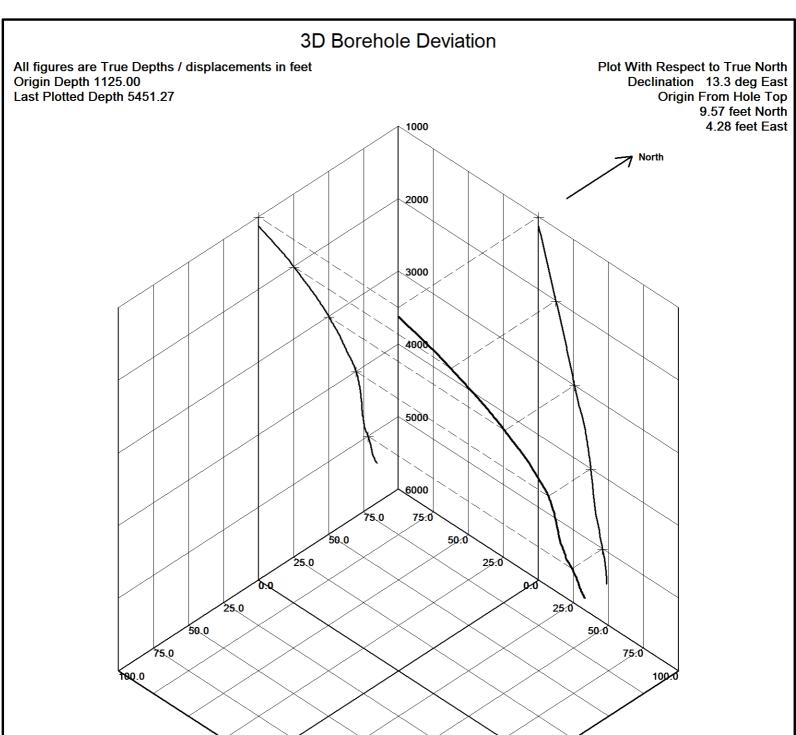
5423.66

5448.65











Final Borehole Position

The last plotted depth is at 84.59 feet North 48.65 feet East ie 97.58 feet from the origin 30 deg from True North

COMPANY SNAKE RIVER OIL AND GAS, LLC

WELL IRVIN #1-19
FIELD WILDCAT
PROVINCE/COUNTY PAYETTE

COUNTRY/STATE U.S.A. / IDAHO

Elevation Kelly Bushing	2204.50	feet	Last Reading	1127.00	feet
Elevation Drill Floor	2204.50	feet	First Reading	5440.85	feet
Elevation Ground Level	2192.00	feet	Depth Driller	5500.00	feet
			Depth Logger	5504.00	feet



**VERTICALITY ANALYSIS**