



OilField Guidance Inc.

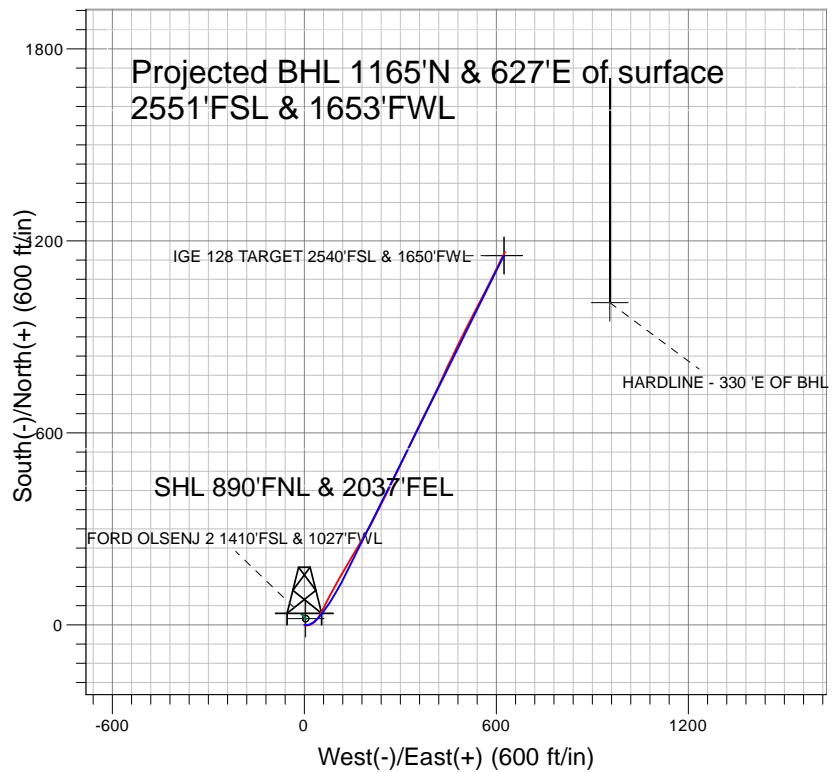
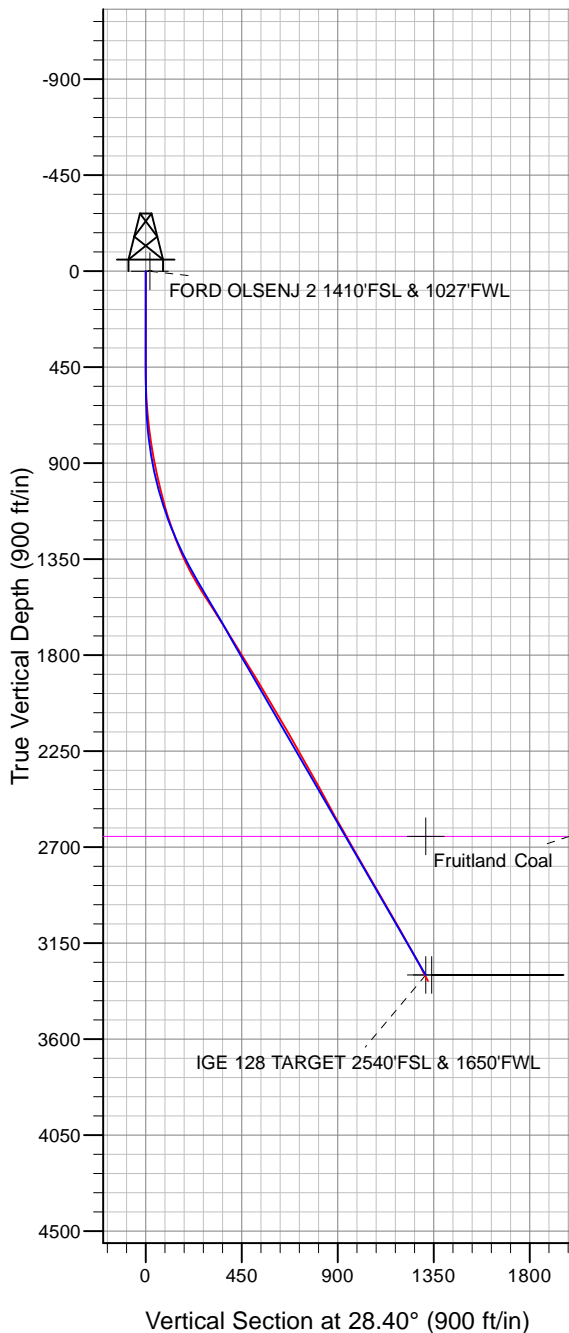
Well Name: **IGE 128**

Surface Location: IGE 128 PAD SEC.9-T33N-R8W
North American Datum 1983 , US State Plane 1983 , Colorado Southern Zone

Ground Elevation: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1171046.39	2350246.18	37° 6' 54.468 N	107° 43' 42.456 W	
Original Well Elev				WELL @ 0.0ft (Original Well Elev)		

Elm Ridge Exploration



LEGEND

- IGE 128, IGE 128, IGE 128 V0
- Ford Olsen #2, Wellbore #1, Wellbore #1 V0
- Design #2

Final Survey Plot

Projected Final Survey -
3662'MD & 3329'TVD @ 1323' VS
27.3 deg Inc 26.8 deg AZ

Project: SEC.9-T33N-R8W
Site: IGE 128 PAD SEC.9-T33N-R8W
Well: IGE 128
Plan: Design #2

Elm Ridge Exploration

SEC.9-T33N-R8W

IGE 128 PAD SEC.9-T33N-R8W

IGE 128

IGE 128

Design: IGE 128

Standard Survey Report

28 January, 2009



OilField Guidance Inc.



Company:	Elm Ridge Exploration	Local Co-ordinate Reference:	Well IGE 128
Project:	SEC.9-T33N-R8W	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	IGE 128 PAD SEC.9-T33N-R8W	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	IGE 128	North Reference:	True
Wellbore:	IGE 128	Survey Calculation Method:	Minimum Curvature
Design:	IGE 128	Database:	Compass

Project	SEC.9-T33N-R8W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Southern Zone		Using geodetic scale factor

Site	IGE 128 PAD SEC.9-T33N-R8W		
Site Position:		Northing:	1,171,046.41 ft
From:	Lat/Long	Easting:	2,350,246.18 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	37° 6' 54.468 N
		Longitude:	107° 43' 42.456 W
		Grid Convergence:	-1.37 °

Well	IGE 128		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty		0.0 ft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	IGE 128				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	1/8/2008	10.34	63.88	51,368
	IGRF200510	12/6/2008	10.23	63.86	51,281

Design	IGE 128			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	28.28

Survey Program	Date	1/28/2009		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
419.0	3,662.0	Survey #1 (IGE 128)	MWD	MWD - Standard

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
0.9	0.00	133.00	0.9	0.0	0.0	0.0	0.00	0.00	0.00
FORD OLSENJ 2 1410'FSL & 1027'FWL									
419.0	0.70	133.00	419.0	-1.7	1.9	-0.7	0.17	0.17	0.00
449.0	0.90	107.60	449.0	-1.9	2.2	-0.7	1.34	0.67	-84.67
480.0	1.70	90.10	480.0	-2.0	2.9	-0.4	2.85	2.58	-56.45
510.0	2.70	88.10	510.0	-2.0	4.1	0.2	3.34	3.33	-6.67
541.0	3.80	86.20	540.9	-1.9	5.8	1.1	3.56	3.55	-6.13
571.0	4.50	81.00	570.8	-1.7	8.0	2.3	2.65	2.33	-17.33
601.0	5.40	83.50	600.7	-1.3	10.5	3.8	3.08	3.00	8.33
631.0	6.30	82.10	630.6	-0.9	13.6	5.6	3.04	3.00	-4.67
661.0	6.60	76.20	660.4	-0.3	16.9	7.8	2.42	1.00	-19.67



Company:	Elm Ridge Exploration	Local Co-ordinate Reference:	Well IGE 128
Project:	SEC.9-T33N-R8W	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	IGE 128 PAD SEC.9-T33N-R8W	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	IGE 128	North Reference:	True
Wellbore:	IGE 128	Survey Calculation Method:	Minimum Curvature
Design:	IGE 128	Database:	Compass

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
692.0	6.90	69.60	691.2	0.8	20.4	10.3	2.68	0.97	-21.29
723.0	7.50	59.40	721.9	2.5	23.8	13.5	4.55	1.94	-32.90
753.0	7.70	52.50	751.6	4.7	27.1	17.0	3.11	0.67	-23.00
783.0	8.80	46.40	781.3	7.5	30.4	21.0	4.68	3.67	-20.33
814.0	9.50	42.00	811.9	11.0	33.8	25.7	3.19	2.26	-14.19
844.0	10.00	42.40	841.5	14.8	37.2	30.7	1.68	1.67	1.33
876.0	10.70	39.10	873.0	19.2	41.0	36.3	2.87	2.19	-10.31
907.0	11.30	33.80	903.4	23.9	44.5	42.1	3.79	1.94	-17.10
939.0	12.20	30.40	934.8	29.4	47.9	48.6	3.55	2.81	-10.63
971.0	12.80	28.30	966.0	35.5	51.3	55.6	2.35	1.88	-6.56
1,003.0	13.10	28.00	997.2	41.8	54.7	62.7	0.96	0.94	-0.94
1,034.0	13.70	27.80	1,027.3	48.1	58.1	69.9	1.94	1.94	-0.65
1,066.0	14.80	27.10	1,058.3	55.1	61.7	77.8	3.48	3.44	-2.19
1,095.0	15.30	25.60	1,086.4	61.9	65.0	85.3	2.19	1.72	-5.17
1,127.0	16.30	26.40	1,117.1	69.7	68.9	94.0	3.20	3.13	2.50
1,158.0	17.10	27.90	1,146.8	77.6	72.9	102.9	2.93	2.58	4.84
1,190.0	17.90	28.80	1,177.4	86.1	77.5	112.5	2.64	2.50	2.81
1,222.0	19.20	28.90	1,207.7	95.0	82.4	122.7	4.06	4.06	0.31
1,252.0	20.00	28.30	1,236.0	103.9	87.2	132.8	2.75	2.67	-2.00
1,282.0	21.20	28.30	1,264.0	113.1	92.2	143.3	4.00	4.00	0.00
1,313.0	22.30	27.70	1,292.8	123.3	97.6	154.8	3.62	3.55	-1.94
1,343.0	23.60	27.50	1,320.5	133.7	103.0	166.5	4.34	4.33	-0.67
1,375.0	25.10	29.20	1,349.6	145.3	109.3	179.7	5.17	4.69	5.31
1,405.0	26.30	30.00	1,376.6	156.6	115.7	192.7	4.16	4.00	2.67
1,437.0	27.60	31.40	1,405.2	169.0	123.1	207.2	4.52	4.06	4.38
1,468.0	28.90	31.40	1,432.5	181.6	130.8	221.9	4.19	4.19	0.00
1,499.0	30.30	30.70	1,459.4	194.7	138.7	237.2	4.65	4.52	-2.26
1,530.0	31.30	30.20	1,486.1	208.4	146.7	253.0	3.33	3.23	-1.61
1,560.0	32.50	30.40	1,511.5	222.1	154.7	268.9	4.02	4.00	0.67
1,592.0	32.70	30.80	1,538.5	236.9	163.5	286.1	0.92	0.63	1.25
1,623.0	32.50	30.40	1,564.6	251.3	172.0	302.8	0.95	-0.65	-1.29
1,653.0	32.50	30.30	1,589.9	265.2	180.2	318.9	0.18	0.00	-0.33
1,684.0	32.10	30.30	1,616.1	279.5	188.5	335.4	1.29	-1.29	0.00
1,716.0	32.10	30.60	1,643.2	294.1	197.1	352.4	0.50	0.00	0.94
1,747.0	31.70	28.60	1,669.5	308.4	205.2	368.8	3.65	-1.29	-6.45
1,778.0	31.70	26.80	1,695.9	322.8	212.8	385.1	3.05	0.00	-5.81
1,840.0	32.40	26.90	1,748.5	352.2	227.6	418.0	1.13	1.13	0.16
1,904.0	31.70	26.80	1,802.7	382.5	243.0	451.9	1.10	-1.09	-0.16
1,966.0	31.30	26.10	1,855.6	411.5	257.4	484.3	0.87	-0.65	-1.13
2,029.0	31.30	26.20	1,909.4	440.8	271.8	517.0	0.08	0.00	0.16
2,090.0	31.00	25.60	1,961.6	469.2	285.6	548.5	0.71	-0.49	-0.98
2,152.0	30.80	25.60	2,014.8	497.9	299.4	580.4	0.32	-0.32	0.00
2,214.0	30.50	26.00	2,068.1	526.4	313.1	611.9	0.59	-0.48	0.65
2,275.0	30.10	25.40	2,120.8	554.1	326.5	642.7	0.82	-0.66	-0.98
2,337.0	29.70	25.40	2,174.5	582.0	339.7	673.5	0.65	-0.65	0.00
2,399.0	29.40	24.80	2,228.5	609.7	352.7	704.1	0.68	-0.48	-0.97
2,462.0	29.60	26.70	2,283.3	637.7	366.2	735.1	1.52	0.32	3.02
2,525.0	29.50	26.70	2,338.1	665.4	380.2	766.1	0.16	-0.16	0.00
2,586.0	29.30	26.90	2,391.3	692.2	393.7	796.1	0.37	-0.33	0.33
2,649.0	28.40	25.40	2,446.4	719.4	407.1	826.4	1.83	-1.43	-2.38
2,679.0	28.40	25.40	2,472.8	732.3	413.2	840.7	0.00	0.00	0.00
2,711.0	28.70	25.40	2,500.9	746.1	419.7	856.0	0.94	0.94	0.00
2,742.0	28.70	24.70	2,528.1	759.6	426.0	870.8	1.08	0.00	-2.26
2,773.0	29.80	24.90	2,555.2	773.4	432.4	885.9	3.56	3.55	0.65



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Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,805.0	29.50	24.60	2,583.0	787.8	439.0	901.7	1.05	-0.94	-0.94
2,837.0	29.90	24.90	2,610.8	802.2	445.7	917.6	1.33	1.25	0.94
2,868.0	29.20	25.40	2,637.8	816.0	452.2	932.8	2.39	-2.26	1.61
2,899.0	29.10	25.20	2,664.8	829.6	458.6	947.9	0.45	-0.32	-0.65
2,929.0	29.60	25.40	2,691.0	842.9	464.9	962.6	1.70	1.67	0.67
2,961.0	30.30	26.60	2,718.7	857.3	471.9	978.6	2.88	2.19	3.75
2,993.0	30.80	26.30	2,746.3	871.9	479.1	994.8	1.63	1.56	-0.94
3,025.0	30.50	26.30	2,773.8	886.5	486.4	1,011.1	0.94	-0.94	0.00
3,055.0	29.90	26.40	2,799.7	900.0	493.1	1,026.2	2.01	-2.00	0.33
3,065.5	29.64	26.43	2,808.8	904.7	495.4	1,031.4	2.50	-2.50	0.31
Fruitland Coal Target 2540'FSL & 1650'FWL									
3,087.0	29.10	26.50	2,827.6	914.1	500.1	1,041.9	2.50	-2.50	0.32
3,118.0	29.30	26.20	2,854.6	927.7	506.8	1,057.1	0.80	0.65	-0.97
3,149.0	29.90	26.60	2,881.6	941.4	513.6	1,072.4	2.04	1.94	1.29
3,181.0	30.30	26.80	2,909.3	955.7	520.8	1,088.4	1.29	1.25	0.63
3,212.0	30.50	27.70	2,936.0	969.7	528.0	1,104.1	1.60	0.65	2.90
3,243.0	30.30	27.30	2,962.8	983.6	535.2	1,119.8	0.92	-0.65	-1.29
3,274.0	30.00	27.00	2,989.6	997.4	542.3	1,135.3	1.08	-0.97	-0.97
3,306.0	29.50	27.60	3,017.3	1,011.5	549.6	1,151.2	1.82	-1.56	1.88
3,337.0	29.10	27.90	3,044.4	1,025.0	556.7	1,166.4	1.37	-1.29	0.97
3,369.0	28.90	27.30	3,072.4	1,038.7	563.9	1,181.9	1.10	-0.63	-1.88
3,400.0	29.70	26.60	3,099.4	1,052.2	570.8	1,197.1	2.81	2.58	-2.26
3,432.0	30.20	26.60	3,127.1	1,066.5	577.9	1,213.0	1.56	1.56	0.00
3,464.0	30.10	26.60	3,154.8	1,080.9	585.1	1,229.1	0.31	-0.31	0.00
3,495.0	29.50	25.70	3,181.7	1,094.7	591.9	1,244.5	2.41	-1.94	-2.90
3,527.0	28.90	26.00	3,209.6	1,108.8	598.7	1,260.1	1.93	-1.88	0.94
3,559.0	28.40	26.20	3,237.7	1,122.6	605.5	1,275.4	1.59	-1.56	0.63
3,589.0	27.90	26.80	3,264.2	1,135.2	611.8	1,289.6	1.92	-1.67	2.00
3,612.0	27.30	26.80	3,284.5	1,144.7	616.6	1,300.2	2.61	-2.61	0.00
3,631.2	27.30	26.80	3,301.6	1,152.6	620.5	1,309.0	0.00	0.00	0.00
IGE 128 TARGET 2540'FSL & 1650'FWL									
3,639.4	27.30	26.80	3,308.9	1,155.9	622.2	1,312.8	0.00	0.00	0.00
HARDLINE - 330 'E OF BHL									
3,662.0	27.30	26.80	3,329.0	1,165.2	626.9	1,323.1	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____