

ORIGINAL

PEGASUS DIRECTIONAL DRILLING

ORIGINAL

Client.....: RISING STAR ENERGY, L.L.C.
 Field.....: LOST SPRINGS
 Well.....: MARTIN TRUST No.1-H
 Section at.....: 332.05
 Supervisor(s).....: JERRY M. PITTMAN
 R.JONES & M.REEVES

Computation.....: MINIMUM CURVE
 Survey Date.....: 02/18/98
 Reference.....: WELL HEAD
 Magnetic Decl....: 5.64
 Time.....: 11:18:26

MAY 07 1998

15-115-21301-0100

CONSERVATION DIVISION
WICHITA, KS

SUR NO.	MEASURED DEPTH	INC.	AZIM.	TVD	VERTICAL SECTION	NORTH + SOUTH -	EAST + WEST -	DLS	BUR
TIE	1800	1.50	236.78	1799.92	-1.30	-5.71	-7.99		
1	1819	1.70	293.80	1818.91	-1.10	-5.73	-8.46	8.09	1.05
2	1851	1.90	289.80	1850.90	-0.34	-5.36	-9.39	0.74	0.62
3	1881	2.30	288.50	1880.88	0.47	-5.00	-10.43	1.34	1.33
4	1912	3.50	295.30	1911.84	1.68	-4.40	-11.87	4.02	3.87
5	1942	6.70	308.90	1941.72	4.02	-2.91	-14.06	11.33	10.67
6	1974	11.00	313.90	1973.33	8.64	0.38	-17.72	13.64	13.44
7	2005	15.50	313.00	2003.49	15.37	5.26	-22.88	14.53	14.52
8	2036	20.10	311.80	2033.00	24.29	11.64	-29.89	14.89	14.84
9	2067	24.40	314.00	2061.69	35.38	19.64	-38.47	14.13	13.87
10	2099	28.40	316.30	2090.35	48.99	29.74	-48.48	12.90	12.50
11	2132	32.20	319.70	2118.84	65.14	42.12	-59.60	12.63	11.52
12	2163	35.60	324.30	2144.57	82.16	55.76	-70.21	13.73	10.97
13	2195	38.90	329.40	2170.04	101.44	71.98	-80.76	14.11	10.31
14	2225	42.00	333.70	2192.87	120.89	89.09	-90.01	13.90	10.33
15	2256	45.50	337.60	2215.27	142.27	108.62	-98.82	14.25	11.29
16	2288	49.10	339.20	2236.96	165.63	130.48	-107.47	11.83	11.25
17	2319	52.60	340.30	2256.53	189.45	153.04	-115.78	11.62	11.29
18	2351	56.50	340.30	2275.09	215.25	177.57	-124.57	12.19	12.19
19	2387	60.70	339.50	2293.84	245.68	206.42	-135.13	11.82	11.67
20	2419	64.70	339.00	2308.52	273.89	233.01	-145.21	12.58	12.50
21	2450	68.80	338.30	2320.75	302.17	259.53	-155.58	13.39	13.23
22	2480	72.10	336.30	2330.79	330.32	285.60	-166.49	12.67	11.00
23	2511	75.40	334.30	2339.46	360.03	312.63	-178.93	12.32	10.65
24	2543	80.10	334.00	2346.25	391.27	340.77	-192.56	14.72	14.69
25	2561	83.90	334.20	2348.76	409.08	356.80	-200.34	21.14	21.11
26	2623	88.80	332.50	2352.70	470.92	412.08	-228.09	8.36	7.90
27	2653	89.00	332.10	2353.28	500.91	438.64	-242.03	1.49	0.67
28	2683	88.80	331.80	2353.85	530.91	465.11	-256.13	1.20	-0.67
29	2713	88.70	332.20	2354.51	560.90	491.59	-270.22	1.37	-0.33

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SUR NO.	MEASURED		INC.	AZIM.	TVD	VERTICAL SECTION	NORTH + EAST + WICHITA, KS		DLS	BUR
	DEPTH						SOUTH -	WEST -		
30	2744		88.90	331.90	2355.16	591.89	518.97	-284.74	1.16	0.65
31	2774		89.10	331.40	2355.68	621.89	545.36	-298.99	1.79	0.67
32	2805		89.30	331.70	2356.11	652.88	572.62	-313.75	1.16	0.65
33	2835		89.10	332.50	2356.53	682.88	599.13	-327.79	2.75	-0.67
34	2865		88.50	333.00	2357.16	712.87	625.79	-341.52	2.60	-2.00
35	2895		88.50	332.50	2357.95	742.86	652.45	-355.25	1.67	0.00
36	2925		88.60	332.00	2358.71	772.85	678.99	-369.22	1.70	0.33
37	2956		88.40	331.90	2359.52	803.84	706.34	-383.79	0.72	-0.65
38	2986		88.50	331.60	2360.33	833.82	732.76	-397.98	1.05	0.33
39	3016		88.70	331.60	2361.06	863.81	759.14	-412.25	0.67	0.67
40	3046		88.50	331.30	2361.79	893.80	785.49	-426.58	1.20	-0.67
41	3076		89.00	331.20	2362.45	923.79	811.78	-441.01	1.70	1.67
42	3106		89.30	331.60	2362.89	953.79	838.12	-455.37	1.67	1.00
43	3136		89.50	331.70	2363.21	983.79	864.52	-469.61	0.75	0.67
44	3167		88.70	332.80	2363.69	1014.78	891.95	-484.04	4.39	-2.58
45	3196		89.20	332.60	2364.23	1043.77	917.71	-497.34	1.86	1.72
46	3226		88.90	332.50	2364.72	1073.77	944.33	-511.17	1.05	-1.00
47	3257		88.20	332.70	2365.51	1104.76	971.85	-525.43	2.35	-2.26
48	3288		88.00	332.40	2366.54	1135.74	999.34	-539.71	1.16	-0.65
49	3318		88.20	332.60	2367.53	1165.72	1025.94	-553.56	0.94	0.67
50	3349		88.30	332.70	2368.48	1196.71	1053.46	-567.79	0.46	0.32
51	3379		88.30	332.90	2369.37	1226.69	1080.13	-581.50	0.67	0.00
52	3412		87.90	333.20	2370.46	1259.67	1109.53	-596.45	1.51	-1.21
53	3442		88.90	333.90	2371.30	1289.64	1136.38	-609.81	4.07	3.33
54	3472		89.70	333.40	2371.67	1319.63	1163.26	-623.12	3.14	2.67
55	3502		89.50	334.00	2371.87	1349.62	1190.15	-636.41	2.11	-0.67
56	3533		89.20	334.10	2372.23	1380.60	1218.03	-649.98	1.02	-0.97
57	3564		89.70	333.60	2372.52	1411.58	1245.85	-663.64	2.28	1.61
58	3594		90.30	333.50	2372.52	1441.57	1272.71	-677.00	2.03	2.00
59	3624		90.40	332.90	2372.34	1471.56	1299.49	-690.53	2.03	0.33

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SUR	MEASURED				VERTICAL	NORTH +	EAST +		
NO.	DEPTH	INC.	AZIM.	TVD	SECTION	SOUTH -	WEST -	DLS	BUR
60	3654	90.70	333.00	2372.05	1501.56	1326.20	-704.17	1.05	1.00
61	3684	90.30	332.60	2371.79	1531.55	1352.89	-717.88	1.89	-1.33
62	3715	90.30	331.60	2371.63	1562.55	1380.28	-732.39	3.23	0.00
63	3744	90.90	332.50	2371.32	1591.55	1405.90	-745.98	3.73	2.07
64	3774	90.80	331.60	2370.88	1621.55	1432.40	-760.04	3.02	-0.33
65	3805	91.20	332.20	2370.34	1652.54	1459.74	-774.64	2.33	1.29
66	3836	91.10	331.50	2369.72	1683.53	1487.06	-789.26	2.28	-0.32
67	3866	91.50	331.30	2369.04	1713.52	1513.40	-803.62	1.49	1.33
68	3896	91.90	331.60	2368.15	1743.51	1539.74	-817.95	1.67	1.33
69	3926	91.70	331.40	2367.20	1773.49	1566.09	-832.25	0.94	-0.67
70	3957	91.90	331.50	2366.23	1804.48	1593.31	-847.06	0.72	0.65
71	3986	91.80	330.50	2365.29	1833.46	1618.66	-861.11	3.46	-0.34
BIT	4021	91.80	330.50	2364.19	1868.43	1649.10	-878.34	0.00	0.00

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CONSERVATION DIVISION
 WICHITA, KS

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**PROPOSAL TO STUDY CONVENTIONAL CORE
FROM THE RISING STAR ENERGY
MARTIN TRUST NO. 1-14 WELL
SECTION 2, T17S-R4E
MARION COUNTY, KANSAS**

RECEIVED
KANSAS CORPORATION COMMISSION

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15-115-21301-0100

Introduction

CONSERVATION DIVISION
WICHITA, KS

STIM-LAB proposes to analyze 44 feet of conventional core from the Mississippi Chat interval in the Martin Trust No. 1-14 well. The proposal is based on ten samples selected for detailed petrographic description. The core has been examined and the following analysis scheme is recommended based on heterogeneity of the reservoir, lithology, the presence of oil stain, and variability in porosity and permeability measurements.

<u>Depth (ft.)</u>	<u>Oil Saturation</u>	<u>Porosity</u>	<u>Perm (max)</u>	<u>Perm (90d)</u>	<u>Lithology</u>
2350-51	30.6%	29.3%	19.6 md.	15.8 md.	Chert
2351-52	5.1%	28.5%	25.1 md.	22.8 md.	Chert
2354-55	10.2%	20.7%	223.0 md.	<.01 md.	Chert
2356-57	6.5%	24.3%	13.7 md.	8.08 md.	Chert
2359-60	10.8%	20.5%	5.74 md.	5.13 md.	Chert
2365-66	9.9%	27.3%	10.2 md.	9.49 md.	Chert
2372-73	16.7%	26.9%	214.0 md.	138.0 md.	Chert
2376-77	2.5%	23.5%	20.8 md.	18.2 md.	Chert
2378-79	0.0%	19.9%	211.0 md.	175.0 md.	Chert
2380-81	0.0%	26.7%	no data	5.59 md.	Chert
2389-90	0.0%	3.5%	48.0 md.	0.06 md.	Limestone

This sample scheme is recommended but may be modified at your request. After reviewing the proposal, well logs and previous lab analysis, you may wish to add or delete samples based on specific areas you wish addressed in the final report.

Objectives

The objectives of this study are to characterize reservoir lithologies, interpret depositional environment, evaluate reservoir quality, calibrate log responses to the reservoir, and identify sources of formation damage. A completions recommendation will be provided at your request.