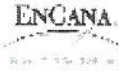


Directional Plot

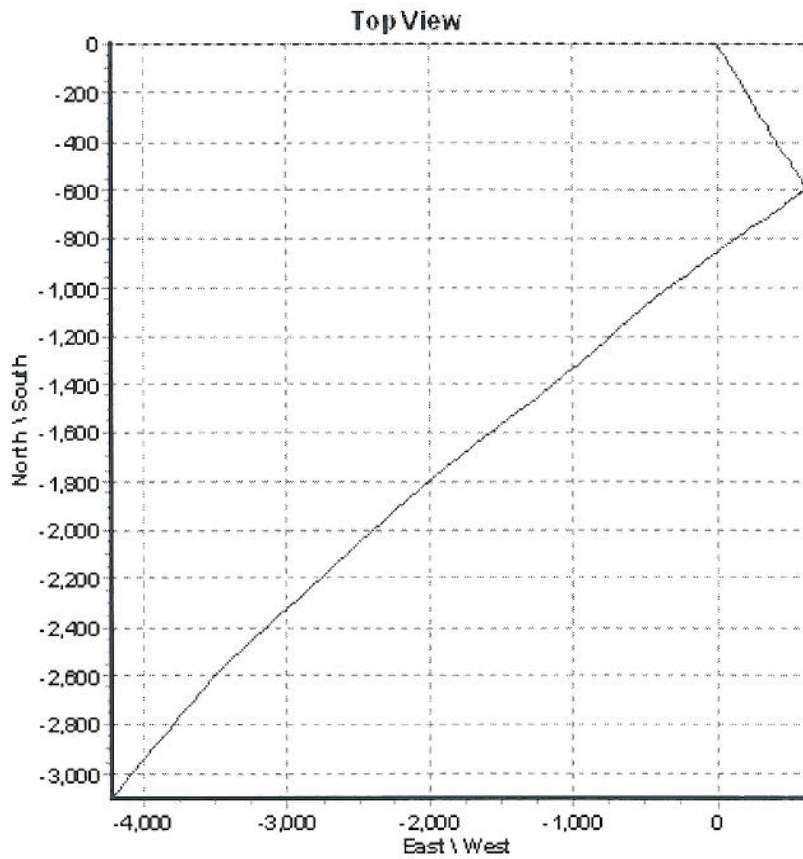


Well : Orchard Unit 15-12H (D140U)

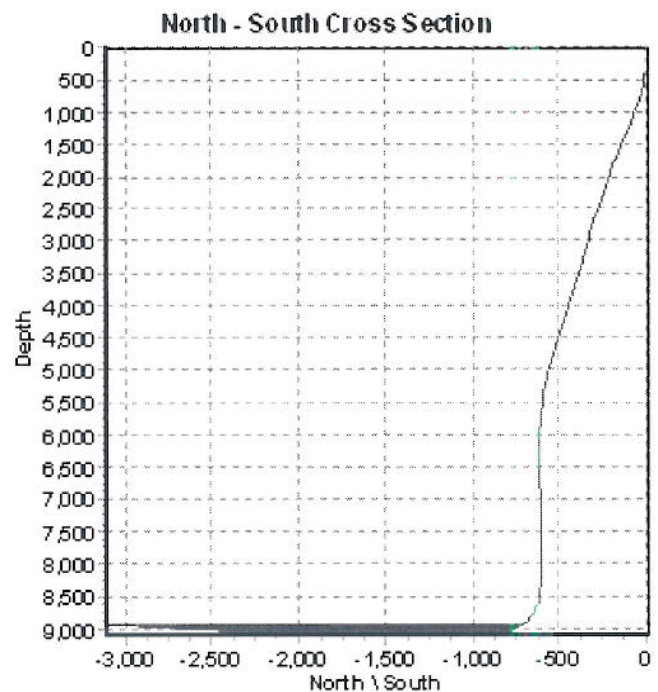
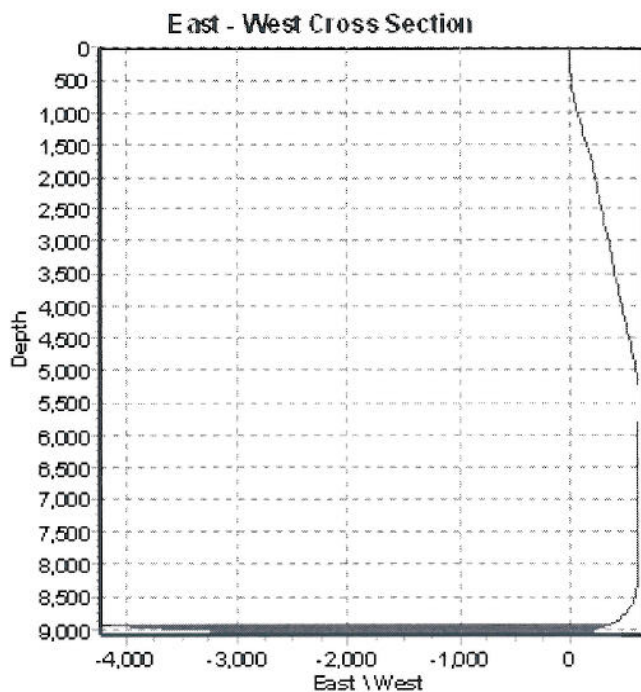
API # : 05077101460000

Area : Orchard

Survey Company : Schlumberger



TVD	Northings	Eastings
0.00	0.00	0.00
31.00	0.02	-0.03
58.00	0.07	-0.11
88.00	0.05	-0.12
120.00	-0.08	-0.05
150.00	-0.25	0.02
180.00	-0.55	0.15
209.99	-0.94	0.48
239.99	-1.38	0.97
337.95	-3.53	2.69
429.87	-6.73	4.77
517.72	-10.50	7.99
552.65	-12.04	9.68
594.57	-13.50	11.46
614.46	-15.05	13.48
644.30	-16.88	15.95
679.07	-19.39	19.10
706.83	-21.75	21.82
734.51	-24.54	25.03
764.04	-27.93	29.07
794.43	-31.78	33.83
854.01	-40.09	43.91
914.49	-49.41	53.91
987.89	-61.74	64.61
1089.35	-78.36	78.88



Orchard Unit 15-12H (D14OU)**API #: 05077101**

Depth	Angle	Direction	TVD	Northings	Eastings	Vertical Sect
0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.00	0.13	303.00	31.00	0.02	-0.03	0.01
58.00	0.25	303.00	58.00	0.07	-0.11	0.05
88.00	0.25	140.00	88.00	0.05	-0.12	0.07
120.00	0.25	156.00	120.00	-0.06	-0.05	0.07
150.00	0.50	161.00	150.00	-0.25	0.02	0.11
180.00	0.75	154.00	180.00	-0.55	0.15	0.17
210.00	1.25	132.00	209.99	-0.94	0.48	0.11
240.00	1.25	132.00	239.99	-1.38	0.97	-0.06
338.00	2.00	147.00	337.95	-3.53	2.69	-0.35
430.00	2.75	147.00	429.87	-6.73	4.77	-0.36
518.00	3.75	134.00	517.72	-10.50	7.99	-1.02
553.00	3.75	131.00	552.65	-12.04	9.68	-1.60
585.00	4.50	128.00	584.57	-13.50	11.46	-2.30
615.00	5.25	127.00	614.46	-15.05	13.48	-3.16
645.00	6.50	126.00	644.30	-16.88	15.95	-4.24
680.00	6.75	131.00	679.07	-19.39	19.10	-5.53
708.00	8.00	131.00	706.83	-21.75	21.82	-6.53
736.00	9.50	131.00	734.51	-24.54	25.03	-7.71
766.00	10.75	129.00	764.04	-27.93	29.07	-9.27
797.00	12.00	129.00	794.43	-31.78	33.83	-11.18
858.00	12.75	130.00	854.01	-40.09	43.91	-15.13
920.00	12.75	136.00	914.49	-49.41	53.91	-18.47
995.00	12.43	142.16	987.69	-61.74	64.61	-20.77
1099.00	11.92	136.37	1089.35	-78.36	78.88	-23.75
1184.00	11.56	130.48	1172.58	-90.24	91.42	-27.84
1280.00	12.16	129.33	1266.53	-102.89	106.56	-33.69
1374.00	12.82	127.41	1358.30	-115.50	122.50	-40.24
1468.00	13.18	134.64	1449.90	-129.37	138.41	-46.08
1485.00	13.51	135.04	1466.44	-132.14	141.19	-46.92
1528.00	13.37	134.87	1508.26	-139.20	148.26	-49.03
1620.00	13.08	134.49	1597.82	-154.00	163.23	-53.57
1714.00	12.42	133.17	1689.50	-168.37	178.19	-58.34
1808.00	12.22	131.33	1781.34	-181.85	193.03	-63.49
1902.00	11.61	129.76	1873.31	-194.47	207.78	-69.03
1997.00	10.00	134.55	1966.63	-206.38	221.00	-73.68
2091.00	9.12	132.03	2059.32	-217.09	232.35	-77.40
2185.00	10.39	138.58	2151.96	-228.43	243.50	-80.61
2279.00	10.25	139.28	2244.44	-241.13	254.56	-83.01
2374.00	9.98	140.02	2337.97	-253.84	265.36	-85.19
2469.00	10.00	140.29	2431.53	-266.50	275.92	-87.20
2563.00	10.08	134.30	2524.09	-278.52	287.02	-90.00
2658.00	9.66	135.83	2617.68	-290.04	298.53	-93.41
2752.00	10.18	136.69	2710.28	-301.74	309.72	-96.46
2847.00	9.93	129.62	2803.82	-313.08	321.79	-100.45
2941.00	9.64	129.93	2896.45	-323.30	334.07	-105.22
3035.00	9.57	130.57	2989.14	-333.43	346.04	-109.78
3129.00	9.20	134.55	3081.88	-343.78	357.33	-113.65
3223.00	9.43	137.10	3174.64	-354.70	367.93	-116.63

3317.00	9.45	134.79	3267.37	-365.78	378.65	-119.62
3417.00	8.94	135.41	3366.08	-377.09	389.93	-122.96
3506.00	9.25	137.80	3453.96	-387.32	399.59	-125.53
3604.00	9.72	130.82	3550.63	-398.56	411.14	-129.13
3695.00	9.38	132.00	3640.36	-408.54	422.46	-133.23
3790.00	9.85	129.56	3734.03	-418.90	434.48	-137.70
3884.00	9.99	128.81	3826.62	-429.13	447.03	-142.70
3979.00	9.38	131.12	3920.27	-439.38	459.29	-147.43
4073.00	8.06	130.09	4013.18	-448.67	470.10	-151.47
4167.00	8.65	125.22	4106.19	-456.99	480.91	-156.05
4262.00	9.99	133.22	4199.93	-466.75	492.76	-160.70
4356.00	9.72	134.44	4292.55	-477.89	504.36	-164.40
4450.00	9.43	134.08	4385.24	-488.80	515.56	-167.89
4545.00	10.08	135.92	4478.86	-500.19	526.94	-171.27
4639.00	10.05	131.56	4571.42	-511.54	538.80	-175.07
4734.00	9.47	134.91	4665.04	-522.56	550.53	-178.95
4828.00	9.53	131.29	4757.75	-533.15	561.86	-182.72
4930.00	9.41	129.43	4858.36	-544.02	574.64	-187.56
5017.00	9.95	134.44	4944.13	-553.80	585.50	-191.38
5111.00	9.69	129.76	5036.75	-564.55	597.38	-195.53
5205.00	7.81	130.40	5129.65	-573.74	608.33	-199.73
5300.00	4.37	139.53	5224.10	-580.68	615.60	-202.07
5393.00	5.56	130.50	5316.76	-586.31	621.32	-203.83
5488.00	3.78	134.86	5411.44	-591.50	627.04	-205.81
5583.00	2.92	202.70	5506.31	-595.95	628.33	-204.48
5678.00	3.17	215.51	5601.17	-600.32	625.87	-200.05
5779.00	3.30	235.54	5702.02	-604.24	621.85	-194.55
5874.00	1.70	221.17	5796.92	-606.84	618.67	-190.46
5968.00	0.50	181.89	5890.90	-608.30	617.73	-188.88
6063.00	0.94	192.65	5985.90	-609.48	617.55	-188.09
6157.00	0.60	73.74	6079.89	-610.09	617.85	-188.01
6252.00	0.23	85.99	6174.89	-609.94	618.52	-188.66
6347.00	0.50	212.80	6269.89	-610.27	618.49	-188.45
6442.00	0.34	28.24	6364.89	-610.37	618.40	-188.31
6536.00	0.43	235.99	6458.89	-610.33	618.24	-188.21
6630.00	0.39	358.40	6552.89	-610.20	617.93	-188.02
6725.00	0.77	342.72	6647.88	-609.27	617.74	-188.36
6819.00	0.60	353.92	6741.87	-608.18	617.50	-188.75
6913.00	0.93	63.31	6835.87	-607.35	618.13	-189.73
7008.00	0.64	36.12	6930.86	-606.57	619.13	-190.99
7103.00	0.10	6.39	7025.86	-606.06	619.45	-191.54
7197.00	0.53	351.05	7119.85	-605.55	619.39	-191.77
7292.00	0.52	314.46	7214.85	-604.81	619.01	-191.85
7386.00	0.67	271.60	7308.85	-604.50	618.16	-191.30
7480.00	0.55	324.15	7402.84	-604.12	617.35	-190.83
7507.00	0.52	317.70	7429.84	-603.92	617.19	-190.80
7529.00	0.57	300.86	7451.84	-603.79	617.03	-190.74
7598.00	0.93	270.32	7520.83	-603.61	616.17	-190.11
7688.00	0.39	357.92	7610.83	-603.30	615.43	-189.66
7779.00	0.56	284.78	7701.83	-602.88	614.99	-189.52
7870.00	1.10	267.27	7792.82	-602.81	613.69	-188.46
7961.00	0.24	306.69	7883.81	-602.74	612.66	-187.64

8052.00	0.90	240.11	7974.81	-602.98	611.89	-186.86
8142.00	1.48	238.59	8064.79	-603.94	610.28	-184.99
8233.00	1.76	242.39	8155.75	-605.20	608.04	-182.43
8324.00	1.75	246.70	8246.71	-606.39	605.53	-179.67
8415.00	2.48	243.51	8337.64	-607.82	602.49	-176.34
8460.00	6.31	245.28	8382.50	-609.29	599.37	-172.92
8505.00	8.57	246.69	8427.12	-611.65	594.05	-167.17
8552.00	11.43	247.22	8473.40	-614.84	586.53	-159.13
8596.00	12.83	245.82	8516.42	-618.53	578.06	-150.00
8642.00	15.10	246.26	8561.06	-623.04	567.91	-139.04
8687.00	17.24	244.34	8604.27	-628.28	556.53	-126.63
8732.00	20.53	245.65	8646.85	-634.43	543.33	-112.21
8778.00	24.46	246.19	8689.34	-641.60	527.26	-94.82
8823.00	28.63	246.04	8729.59	-649.74	508.88	-74.96
8869.00	32.71	245.43	8769.14	-659.39	487.50	-51.76
8914.00	37.01	245.59	8806.06	-670.05	464.09	-26.32
8960.00	41.73	246.88	8841.61	-681.79	437.39	2.48
9005.00	46.28	247.20	8873.97	-693.98	408.61	33.27
9050.00	50.14	247.33	8903.95	-706.94	377.67	66.29
9096.00	52.72	248.57	8932.63	-720.43	344.34	101.61
9141.00	56.69	249.28	8958.63	-733.63	310.07	137.56
9186.00	60.00	250.82	8982.24	-746.69	274.07	174.89
9232.00	61.69	249.73	9004.65	-760.25	236.26	214.01
9277.00	65.11	249.15	9024.80	-774.38	198.59	253.31
9322.00	69.06	248.45	9042.31	-789.37	159.96	293.90
9368.00	72.85	247.35	9057.32	-805.73	119.68	336.61
9413.00	78.77	246.54	9068.35	-822.81	79.56	379.58
9459.00	83.26	246.80	9075.53	-840.80	37.85	424.38
9504.00	83.85	246.39	9080.58	-858.56	-3.19	468.49
9549.00	84.85	245.97	9085.01	-876.65	-44.16	512.71
9595.00	85.99	245.72	9088.68	-895.41	-85.99	558.04
9640.00	89.12	244.97	9090.60	-914.16	-126.85	602.53
9685.00	90.63	244.95	9090.70	-933.21	-167.62	647.11
9731.00	91.08	245.18	9090.02	-952.60	-209.32	692.67
9758.00	91.69	247.51	9089.36	-963.43	-234.05	719.31
9851.00	90.52	247.25	9087.57	-999.19	-319.88	810.81
9942.00	90.69	245.88	9086.61	-1035.38	-403.36	900.58
10033.00	90.52	244.49	9085.65	-1073.57	-485.95	990.67
10123.00	90.48	243.28	9084.86	-1113.18	-566.76	1080.05
10214.00	90.58	242.90	9084.02	-1154.37	-647.90	1170.55
10305.00	90.45	242.15	9083.20	-1196.35	-728.64	1261.15
10396.00	90.62	242.06	9082.35	-1238.92	-809.06	1351.80
10486.00	90.52	242.96	9081.46	-1280.46	-888.89	1441.40
10576.00	90.59	243.39	9080.59	-1321.07	-969.20	1530.90
10668.00	90.58	244.13	9079.65	-1361.75	-1051.72	1622.28
10758.00	90.38	244.64	9078.89	-1400.66	-1132.87	1711.56
10849.00	90.65	245.34	9078.07	-1439.13	-1215.33	1801.70
10939.00	90.52	246.00	9077.16	-1476.20	-1297.33	1890.70
11029.00	90.48	246.20	9076.37	-1512.67	-1379.61	1979.60
11120.00	90.55	246.24	9075.55	-1549.36	-1462.89	2069.46
11211.00	90.62	246.18	9074.62	-1586.06	-1546.15	2159.32
11302.00	90.65	245.13	9073.61	-1623.57	-1629.05	2249.31

11393.00	90.65	244.43	9072.58	-1662.35	-1711.37	2339.49
11483.00	90.62	244.30	9071.59	-1701.28	-1792.51	2428.77
11575.00	90.59	244.47	9070.61	-1741.05	-1875.46	2520.04
11666.00	91.45	244.18	9068.99	-1780.47	-1957.46	2610.31
11756.00	92.00	244.86	9066.28	-1819.17	-2038.67	2699.52
11847.00	92.20	244.03	9062.95	-1858.40	-2120.71	2789.72
11938.00	92.34	243.52	9059.35	-1898.58	-2202.28	2880.04
12028.00	92.10	242.86	9055.86	-1939.14	-2282.55	2969.47
12119.00	92.17	242.32	9052.47	-1981.01	-2363.27	3060.00
12209.00	92.13	241.76	9049.09	-2023.17	-2442.71	3149.61
12300.00	92.13	241.62	9045.71	-2066.30	-2522.77	3240.26
12391.00	92.00	241.21	9042.43	-2109.81	-2602.63	3330.94
12482.00	91.89	241.36	9039.34	-2153.51	-2682.39	3421.65
12572.00	92.13	241.60	9036.19	-2196.45	-2761.42	3511.34
12663.00	91.96	241.70	9032.94	-2239.64	-2841.45	3602.00
12754.00	91.99	241.96	9029.80	-2282.57	-2921.63	3692.64
12845.00	91.96	241.85	9026.67	-2325.40	-3001.86	3783.28
12900.00	92.06	241.44	9024.74	-2351.51	-3050.23	3838.07
12991.00	92.10	241.88	9021.43	-2394.68	-3130.27	3928.73
13081.00	92.61	241.93	9017.74	-2437.02	-3209.60	4018.34
13172.00	93.10	241.16	9013.20	-2480.33	-3289.50	4108.96
13263.00	93.03	240.30	9008.34	-2524.76	-3368.77	4199.65
13353.00	92.55	239.33	9003.96	-2569.95	-3446.47	4289.45
13445.00	93.20	237.04	8999.34	-2618.39	-3524.55	4381.31
13536.00	93.57	236.54	8993.97	-2668.14	-3600.55	4472.15
13626.00	93.71	235.87	8988.26	-2718.10	-3675.19	4561.95
13717.00	93.92	235.62	8982.20	-2769.21	-3750.24	4652.72
13808.00	94.06	235.35	8975.87	-2820.65	-3825.04	4743.47
13898.00	94.68	234.99	8969.01	-2871.90	-3898.70	4833.15
13989.00	94.29	235.03	8961.89	-2923.92	-3973.03	4923.81
14080.00	94.36	234.75	8955.03	-2976.11	-4047.26	5014.48
14171.00	94.75	234.68	8947.81	-3028.51	-4121.30	5105.11
14261.00	94.67	234.38	8940.41	-3080.56	-4194.35	5194.71
14306.00	94.67	234.38	8936.75	-3106.68	-4230.81	5239.51