

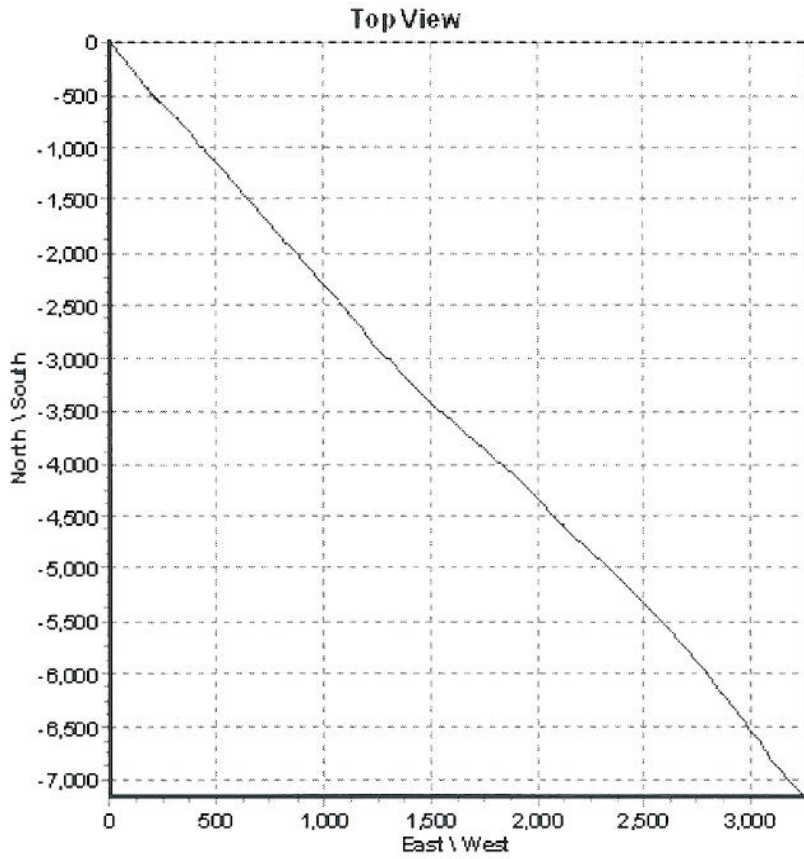
Directional Plot



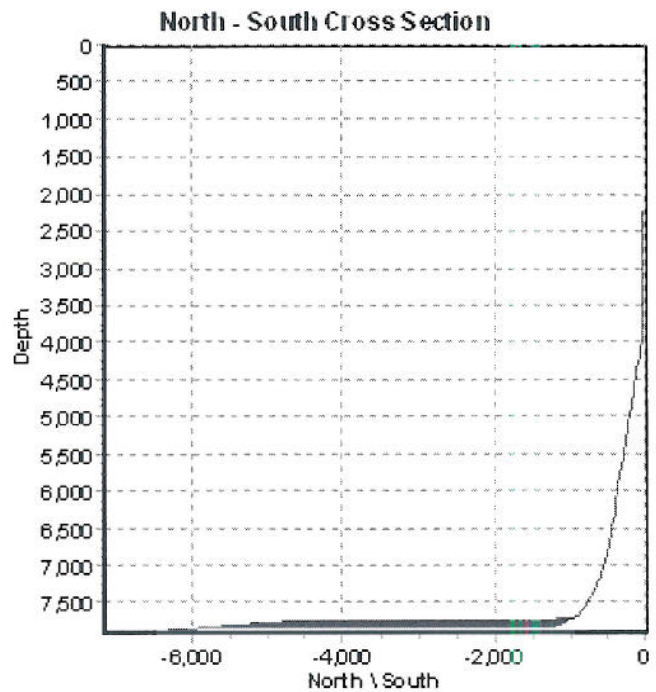
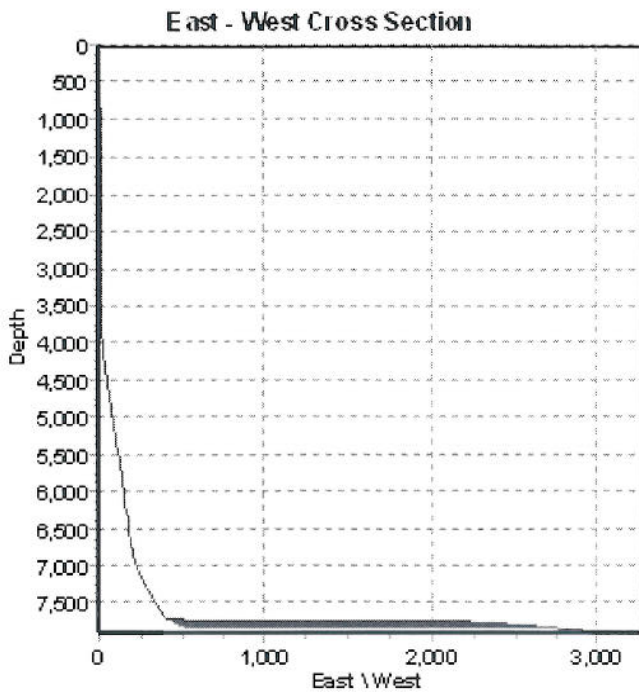
Well : Orchard Unit 23-10HM (D-140U)
 Area : Orchard

API # : 05077101490000

Survey Company : Schlumberger



TVD	Northings	Eastings
0.00	0.00	0.00
31.00	0.02	-0.01
60.00	0.07	-0.05
85.00	0.13	-0.11
146.00	0.46	-0.13
238.00	1.09	0.32
328.99	1.53	1.05
419.99	1.73	1.93
512.98	1.79	2.87
604.98	1.87	3.74
696.97	2.13	4.65
789.97	2.43	5.48
879.97	2.51	6.14
972.96	2.53	6.83
1066.96	2.68	7.72
1160.95	2.87	8.94
1255.94	2.96	10.47
1339.93	2.57	11.46
1444.92	1.59	12.07
1529.92	0.67	12.41
1619.91	-0.58	12.67
1810.89	-3.42	13.14
1998.87	-6.35	13.39
2184.84	-9.15	14.14
2279.83	-10.05	14.92



Orchard Unit 23-10HM (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	0.08	321.23	31.00	0.02	-0.01	-0.02
60.00	0.16	321.23	60.00	0.07	-0.05	-0.08
85.00	0.23	321.23	85.00	0.13	-0.11	-0.16
146.00	0.44	13.09	146.00	0.46	-0.13	-0.47
238.00	0.59	51.93	238.00	1.09	0.32	-0.88
329.00	0.49	68.13	328.99	1.53	1.05	-0.98
420.00	0.66	83.16	419.99	1.73	1.93	-0.83
513.00	0.50	90.40	512.98	1.79	2.87	-0.51
605.00	0.59	80.75	604.98	1.87	3.74	-0.23
697.00	0.60	66.85	696.97	2.13	4.65	-0.12
790.00	0.49	74.31	789.97	2.43	5.48	-0.06
880.00	0.37	94.71	879.97	2.51	6.14	0.13
973.00	0.48	83.13	972.96	2.53	6.83	0.38
1067.00	0.62	79.01	1066.96	2.68	7.72	0.60
1161.00	0.89	82.92	1160.95	2.87	8.94	0.91
1256.00	0.96	90.10	1255.94	2.96	10.47	1.44
1340.00	0.66	142.95	1339.93	2.57	11.46	2.19
1445.00	0.60	153.90	1444.92	1.59	12.07	3.32
1530.00	0.73	164.29	1529.92	0.67	12.41	4.31
1620.00	0.89	171.69	1619.91	-0.58	12.67	5.55
1811.00	0.84	169.56	1810.89	-3.42	13.14	8.35
1999.00	0.96	179.77	1998.87	-6.35	13.39	11.14
2185.00	0.89	149.15	2184.84	-9.15	14.14	14.01
2280.00	0.58	124.08	2279.83	-10.05	14.92	15.14
2377.00	0.26	119.63	2376.83	-10.44	15.52	15.73
2469.00	0.48	149.50	2468.83	-10.87	15.89	16.28
2564.00	0.61	164.60	2563.83	-11.70	16.23	17.18
2660.00	0.56	182.32	2659.82	-12.66	16.35	18.11
2754.00	0.46	177.84	2753.82	-13.50	16.34	18.87
2847.00	0.59	202.06	2846.81	-14.32	16.18	19.56
2939.00	0.68	203.27	2938.81	-15.26	15.78	20.26
3033.00	0.89	230.35	3032.80	-16.23	15.00	20.85
3127.00	0.31	216.99	3126.79	-16.90	14.28	21.18
3220.00	0.17	205.81	3219.79	-17.23	14.07	21.40
3315.00	0.23	239.19	3314.79	-17.45	13.85	21.51
3410.00	0.19	244.18	3409.79	-17.62	13.54	21.54
3505.00	0.18	228.75	3504.79	-17.79	13.29	21.60
3599.00	0.41	224.08	3598.79	-18.13	12.94	21.77
3696.00	0.23	197.83	3695.79	-18.56	12.64	22.05
3790.00	1.81	156.81	3789.77	-20.10	13.17	23.68
3884.00	3.42	159.10	3883.67	-24.09	14.75	27.96
3980.00	5.82	157.82	3979.35	-31.27	17.61	35.69
4074.00	7.93	159.05	4072.67	-41.74	21.73	46.94
4168.00	10.14	158.91	4165.50	-55.52	27.03	61.69
4262.00	10.63	158.07	4257.96	-71.28	33.24	78.62
4357.00	10.46	157.45	4351.35	-87.37	39.82	96.00
4451.00	10.36	158.28	4443.81	-103.11	46.22	112.98
4546.00	10.28	158.82	4537.27	-118.95	52.45	129.99

4640.00	10.10	160.62	4629.79	-134.54	58.21	146.60
4735.00	10.54	159.66	4723.25	-150.55	64.00	163.58
4829.00	10.41	160.66	4815.68	-166.62	69.80	180.64
4925.00	10.14	155.42	4910.15	-182.49	76.19	197.74
5018.00	9.56	156.23	5001.77	-197.00	82.70	213.65
5113.00	10.10	156.85	5095.38	-211.88	89.16	229.87
5207.00	9.16	155.91	5188.05	-226.29	95.45	245.59
5300.00	9.79	156.63	5279.78	-240.31	101.61	260.90
5394.00	10.18	156.06	5372.36	-255.24	108.15	277.20
5489.00	9.89	156.60	5465.91	-270.40	114.80	293.75
5584.00	10.44	158.33	5559.42	-285.88	121.22	310.51
5679.00	10.50	158.31	5652.83	-301.93	127.59	327.77
5774.00	10.32	159.44	5746.27	-317.94	133.78	344.92
5832.00	9.35	160.61	5803.42	-327.25	137.17	354.81
5916.00	7.95	162.81	5886.46	-339.23	141.15	367.39
6007.00	9.37	169.63	5976.42	-352.53	144.35	380.87
6098.00	9.77	164.88	6066.16	-367.27	147.69	395.73
6188.00	11.23	152.05	6154.66	-382.39	153.79	412.03
6279.00	10.52	145.97	6244.03	-397.10	162.60	429.02
6370.00	10.27	153.10	6333.54	-411.22	170.92	445.28
6461.00	10.29	159.82	6423.08	-426.08	177.39	461.50
6552.00	10.84	163.21	6512.54	-441.90	182.67	478.11
6643.00	10.53	157.39	6601.96	-457.77	188.33	494.93
6733.00	10.52	154.46	6690.45	-472.78	195.04	511.36
6779.00	10.76	152.97	6735.66	-480.39	198.80	519.84
6824.00	12.27	154.62	6779.75	-488.46	202.76	528.81
6870.00	13.42	157.38	6824.60	-497.80	206.91	539.04
6915.00	14.54	159.42	6868.27	-507.91	210.90	549.90
6960.00	16.29	158.73	6911.65	-519.08	215.18	561.85
7006.00	18.24	158.20	6955.57	-531.78	220.19	575.50
7051.00	19.26	153.24	6998.19	-544.94	226.15	589.95
7096.00	20.28	149.86	7040.54	-558.31	233.41	605.10
7142.00	21.11	148.37	7083.57	-572.26	241.75	621.21
7187.00	22.50	150.24	7125.35	-586.64	250.28	637.79
7232.00	22.94	151.14	7166.85	-601.79	258.79	655.08
7271.00	23.59	151.66	7202.68	-615.32	266.16	670.42
7317.00	25.19	152.91	7244.58	-632.14	274.99	689.35
7362.00	26.68	152.97	7285.04	-649.66	283.94	708.99
7407.00	27.89	152.52	7325.04	-668.00	293.39	729.57
7453.00	28.86	151.73	7365.51	-687.32	303.61	751.37
7483.00	29.17	152.73	7391.74	-700.20	310.39	765.87
7513.00	30.98	153.54	7417.70	-713.61	317.18	780.88
7544.00	32.30	155.21	7444.10	-728.27	324.21	797.13
7573.00	33.31	157.19	7468.47	-742.65	330.54	812.84
7603.00	34.57	157.00	7493.36	-758.08	337.06	829.58
7634.00	35.31	156.42	7518.77	-774.38	344.08	847.34
7664.00	36.52	156.54	7543.07	-790.52	351.11	864.94
7694.00	38.46	157.53	7566.87	-807.33	358.23	883.19
7725.00	39.52	158.40	7590.97	-825.41	365.54	902.69
7755.00	42.15	159.75	7613.66	-843.73	372.54	922.29
7785.00	44.51	159.31	7635.48	-863.02	379.74	942.85
7816.00	46.75	160.68	7657.16	-883.84	387.32	964.97

7846.00	50.48	160.91	7676.99	-905.09	394.72	987.41
7876.00	55.31	159.39	7695.08	-927.58	402.85	1011.28
7906.00	58.06	158.88	7711.56	-951.01	411.78	1036.33
7936.00	59.41	157.85	7727.13	-974.84	421.24	1061.96
7966.00	61.20	154.71	7741.99	-998.69	431.72	1088.01
7996.00	63.12	154.79	7756.00	-1022.68	443.04	1114.52
8027.00	67.02	156.84	7769.07	-1048.33	454.54	1142.63
8057.00	69.70	157.05	7780.13	-1073.98	465.46	1170.51
8088.00	71.86	155.87	7790.34	-1100.81	477.15	1199.78
8118.00	75.05	155.11	7798.88	-1126.98	489.08	1228.53
8148.00	78.96	154.64	7805.62	-1153.44	501.49	1257.74
8178.00	81.62	153.20	7810.68	-1179.99	514.49	1287.27
8208.00	84.87	153.87	7814.21	-1206.66	527.77	1317.01
8238.00	88.39	155.75	7815.97	-1233.75	540.51	1346.94
8269.00	90.69	156.34	7816.22	-1262.08	553.10	1377.94
8313.00	90.67	156.62	7815.70	-1302.42	570.65	1421.93
8404.00	90.90	156.71	7814.45	-1385.97	606.70	1512.92
8493.00	90.84	157.16	7813.10	-1467.85	641.56	1601.91
8585.00	91.06	157.50	7811.58	-1552.73	677.01	1693.89
8675.00	90.34	157.20	7810.48	-1635.78	711.67	1783.88
8766.00	90.22	156.61	7810.03	-1719.48	747.37	1874.88
8856.00	90.11	155.74	7809.77	-1801.81	783.72	1964.87
8948.00	91.34	156.13	7808.61	-1885.81	821.23	2056.86
9039.00	91.57	156.25	7806.30	-1969.04	857.96	2147.82
9129.00	91.96	156.54	7803.53	-2051.47	893.98	2237.78
9220.00	92.18	156.50	7800.24	-2134.88	930.21	2328.72
9311.00	92.13	156.14	7796.82	-2218.16	966.73	2419.65
9400.00	92.46	156.06	7793.25	-2299.46	1002.76	2508.58
9492.00	92.58	156.15	7789.21	-2383.49	1039.99	2600.49
9582.00	92.74	156.76	7785.03	-2465.91	1075.91	2690.39
9670.00	93.36	157.74	7780.35	-2546.95	1109.89	2778.26
9762.00	94.04	158.36	7774.41	-2632.10	1144.21	2870.04
9855.00	94.26	158.72	7767.68	-2718.43	1178.14	2962.74
9947.00	93.76	157.78	7761.25	-2803.67	1212.15	3054.48
10038.00	92.63	156.57	7756.18	-2887.41	1247.39	3145.33
10128.00	91.91	155.44	7752.61	-2969.56	1283.96	3235.25
10217.00	91.90	155.34	7749.65	-3050.43	1321.00	3324.18
10306.00	91.85	154.80	7746.74	-3131.10	1358.50	3413.10
10398.00	91.90	154.40	7743.73	-3214.16	1397.94	3504.99
10489.00	91.29	153.30	7741.20	-3295.81	1438.03	3595.85
10580.00	90.78	152.10	7739.55	-3376.66	1479.76	3686.61
10671.00	91.01	151.51	7738.13	-3456.85	1522.75	3777.28
10759.00	90.17	150.41	7737.23	-3533.78	1565.46	3864.84
10851.00	90.45	150.27	7736.73	-3613.73	1610.99	3956.28
10942.00	90.06	150.22	7736.32	-3692.73	1656.15	4046.71
11033.00	90.50	150.66	7735.88	-3771.88	1701.04	4137.18
11123.00	90.17	151.02	7735.35	-3850.48	1744.89	4226.71
11213.00	90.50	151.22	7734.83	-3929.28	1788.36	4316.29
11306.00	90.11	151.02	7734.33	-4010.71	1833.28	4408.86
11396.00	89.83	151.30	7734.38	-4089.55	1876.69	4498.45
11487.00	88.94	153.93	7735.36	-4170.34	1918.54	4589.21
11577.00	88.82	154.68	7737.12	-4251.42	1957.56	4679.12

11668.00	89.10	154.87	7738.77	-4333.73	1996.33	4770.05
11759.00	89.33	155.83	7740.01	-4416.43	2034.28	4861.02
11850.00	88.26	154.98	7741.93	-4499.16	2072.15	4951.97
11941.00	87.76	152.72	7745.09	-4580.79	2112.22	5042.81
12032.00	87.70	152.15	7748.69	-4661.39	2154.30	5133.49
12122.00	87.14	151.85	7752.74	-4740.78	2196.51	5223.10
12214.00	86.41	150.25	7757.92	-4821.15	2240.97	5314.51
12305.00	86.92	149.83	7763.21	-4899.86	2286.34	5404.76
12396.00	87.14	151.58	7767.93	-4979.11	2330.80	5495.14
12487.00	86.86	152.93	7772.69	-5059.53	2373.11	5585.75
12576.00	87.14	154.00	7777.35	-5139.05	2412.81	5674.49
12666.00	86.64	154.73	7782.23	-5220.07	2451.69	5764.28
12758.00	87.59	154.78	7786.86	-5303.18	2490.88	5856.12
12849.00	88.26	154.33	7790.16	-5385.29	2529.95	5947.00
12943.00	86.36	154.82	7794.57	-5470.09	2570.26	6040.83
13031.00	85.12	156.61	7801.11	-5550.08	2606.35	6128.57
13117.00	85.12	157.26	7808.42	-5628.92	2639.92	6214.25
13208.00	85.68	157.17	7815.72	-5712.55	2675.05	6304.95
13303.00	85.62	157.22	7822.93	-5799.87	2711.77	6399.68
13393.00	85.96	157.14	7829.53	-5882.60	2746.58	6489.43
13484.00	85.79	157.63	7836.08	-5966.38	2781.48	6580.19
13574.00	85.96	158.43	7842.55	-6049.63	2815.06	6669.93
13665.00	86.07	158.61	7848.88	-6134.11	2848.31	6760.66
13754.00	85.63	158.53	7855.32	-6216.73	2880.74	6849.37
13930.00	85.07	160.25	7869.59	-6380.92	2942.49	7024.59
14026.00	85.35	160.21	7877.60	-6470.95	2974.84	7120.06
14116.00	85.29	160.28	7884.95	-6555.37	3005.16	7209.59
14207.00	86.07	160.20	7891.80	-6640.77	3035.84	7300.15
14288.00	88.54	160.20	7895.61	-6716.89	3063.24	7380.90
14386.00	89.55	158.93	7897.24	-6808.70	3097.46	7478.75
14477.00	90.06	157.78	7897.55	-6893.28	3131.02	7569.71
14570.00	90.22	155.71	7897.33	-6978.72	3167.74	7662.70
14661.00	88.99	154.96	7897.95	-7061.42	3205.71	7753.68
14717.00	89.10	154.38	7898.89	-7112.03	3229.67	7809.64
14772.00	89.10	154.38	7899.75	-7161.61	3253.44	7864.59