

**McVAY DRILLING COMPANY**

P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

30-015-41108

Well Name and Num: Antares 23 Fed 4H
Location: Sec. 23, T19S, R31E
Operator: Devon
Drilling Contractor: McVay Drilling Company

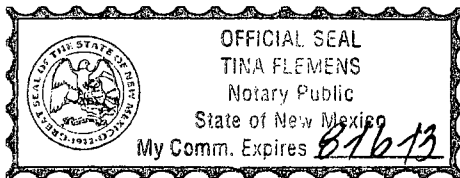
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
0.50	345	0.60	5831	86.85	10558		
0.54	672	0.50	6465	87.62	11026		
0.40	1000	0.73	7032	89.93	11593		
0.50	1219	1.46	7676	89.23	11971		
1.10	1534	1.80	7958	88.18	12349		
3.60	2006	0.87	8560	88.18	12726		
3.40	2192	2.00	8623	89.16	12915		
2.70	2446	5.26	8654	88.32	13389		
2.40	2543	36.65	8906	89.16	13672		
1.40	2903	52.74	9033	87.13	13956		
1.60	3206	73.04	9190	88.74	14333		
0.90	3650	88.74	9662	85.52	14805		
1.70	3927	88.95	9757	87.69	15088		
1.70	4301	88.46	9789				
1.90	4669	84.05	10040				
1.70	4937	83.42	10103				
0.86	5221	86.57	10365				

By: Hubert Cunn

Subscribed and sworn to before me this 28th day of May, 2013

Tina Flemens
Notary Public, Lea County, New Mexico





Weatherford®

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
333 W. Sherridan Ave
Oklahoma City, OK, 73102

Date: May 23, 2013

Attention: Spencer Stuart

Re: Devon Energy
Well: Antares 23 Fed 4H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

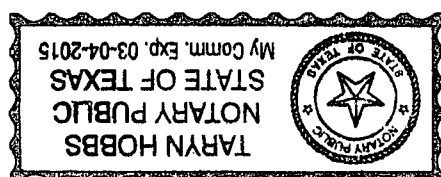
<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Justin Edwards MWD Supervisor	4H	8560' MD 15123' MD	5/6/2013 5/21/2013	Measurement While Drilling

A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesus Aguilar
MWD Coordinator

On this, the 30th day of May, 2013, before me a notary public, the undersigned officer, personally appeared Jesus Aguilar, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary-Public



Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Antares 23 Federal #4H
Well: Antares 23 Federal #4H
Wellpath: 1

Date: 5/21/2013 Time: 10:15:57 Page: 1
Co-ordinate(NE) Reference: Well: Antares 23 Federal #4H, Grid North
Vertical (TVD) Reference: SITE 3565.0
Section (VS) Reference: Well (0.00N,0.00E,104.07Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Wft Svy

Start Date: 5/8/2013

Company: Weatherford
Tool: MWD;MWD - Standard

Engineer: Russell W. Joyner
Tied-to: User Defined

Site: Antares 23 Federal #4H

Site Position: Northing: 598624.17 ft Latitude: 32 38 41.007 N
From: Map Easting: 690744.41 ft Longitude: 103 50 52.572 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3545.00 ft Grid Convergence: 0.26 deg

Well: Antares 23 Federal #4H

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 598624.17 ft Latitude: 32 38 41.007 N
+E/-W 0.00 ft Easting: 690744.41 ft Longitude: 103 50 52.572 W
Position Uncertainty: 0.00 ft

Wellpath: 1

Current Datum: SITE Height 3565.00 ft
Magnetic Data: 6/6/2013
Field Strength: 48667 nT
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
ft ft ft deg
0.00 0.00 0.00 104.07

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8500.00	0.86	358.43	8497.47	50.56	53.18	0.00	39.29	598674.73	690797.59	Tie On VES First Wft Svy
8560.00	0.87	324.22	8557.46	51.38	52.90	0.85	38.82	598675.55	690797.31	
8591.00	0.95	304.37	8588.46	51.72	52.55	1.04	38.40	598675.89	690796.96	
8623.00	2.00	243.75	8620.45	51.62	51.83	5.45	37.73	598675.79	690796.24	
8654.00	5.20	220.99	8651.38	50.32	50.42	11.11	36.68	598674.49	690794.83	
8686.00	9.47	217.72	8683.11	47.14	47.86	13.40	34.97	598671.31	690792.27	
8717.00	13.78	218.32	8713.47	42.22	44.01	13.91	32.43	598666.39	690788.42	
8749.00	17.99	218.07	8744.24	35.34	38.60	13.16	28.85	598659.51	690783.01	
8780.00	22.09	216.80	8773.36	26.90	32.15	13.30	24.65	598651.07	690776.56	
8812.00	25.69	215.36	8802.61	16.42	24.53	11.40	19.80	598640.59	690768.94	
8843.00	29.60	215.10	8830.07	4.67	16.24	12.62	14.61	598628.84	690760.65	
8874.00	32.93	214.89	8856.56	-8.50	7.01	10.75	8.87	598615.67	690751.42	
8906.00	36.55	214.85	8882.85	-23.46	-3.41	11.31	2.40	598600.71	690741.00	
8938.00	40.27	214.80	8907.92	-39.78	-14.76	11.63	-4.65	598584.39	690729.65	
8969.00	44.78	215.58	8930.76	-56.90	-26.84	14.65	-12.20	598567.27	690717.57	
9001.00	48.67	216.39	8952.70	-75.74	-40.53	12.29	-20.90	598548.43	690703.88	
9033.00	52.74	218.06	8972.96	-95.45	-55.52	13.34	-30.65	598528.72	690688.89	
9064.00	56.34	219.11	8990.94	-115.18	-71.26	11.94	-41.13	598508.99	690673.15	
9096.00	60.45	219.27	9007.71	-136.30	-88.48	12.85	-52.69	598487.87	690655.93	
9127.00	64.40	220.02	9022.05	-157.45	-106.01	12.92	-64.56	598466.72	690638.40	
9159.00	68.83	220.98	9034.75	-179.78	-125.09	14.11	-77.63	598444.39	690619.32	
9190.00	73.04	221.57	9044.88	-201.79	-144.41	13.70	-91.02	598422.38	690600.00	
9221.00	76.46	221.52	9053.03	-224.17	-164.25	11.03	-104.82	598400.00	690580.16	
9253.00	78.58	221.35	9059.94	-247.59	-184.92	6.65	-119.18	598376.58	690559.49	
9284.00	81.00	221.77	9065.44	-270.42	-205.16	7.92	-133.26	598353.75	690539.25	
9316.00	84.32	221.42	9069.53	-294.15	-226.23	10.43	-147.93	598330.02	690518.18	
9347.00	87.90	219.96	9071.63	-317.60	-246.39	12.47	-161.78	598306.57	690498.02	
9379.00	88.81	217.07	9072.55	-342.63	-266.30	9.46	-175.02	598281.54	690478.11	
9410.00	88.11	213.96	9073.38	-367.85	-284.30	10.28	-186.35	598256.32	690460.11	
9442.00	87.55	210.47	9074.59	-394.90	-301.35	11.04	-196.30	598229.27	690443.06	



Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Antares 23 Federal #4H
Well: Antares 23 Federal #4H
Wellpath: 1

Date: 5/21/2013 Time: 10:15:57 Page: 2
Co-ordinate(NE) Reference: Well: Antares 23 Federal #4H, Grid North
Vertical (TVD) Reference: SITE 3565.0
Section (VS) Reference: Well (0.00N,0.00E,104.07Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
9473.00	86.22	206.38	9076.28	-422.11	-316.08	13.85	-203.98	598202.06	690428.33	
9504.00	86.92	202.74	9078.13	-450.25	-328.94	11.94	-209.61	598173.92	690415.47	
9536.00	87.62	199.49	9079.66	-480.07	-340.45	10.38	-213.53	598144.10	690403.96	
9568.00	88.11	196.64	9080.85	-510.46	-350.36	9.03	-215.76	598113.71	690394.05	
9599.00	87.97	192.79	9081.91	-540.42	-358.23	12.42	-216.10	598083.75	690386.18	
9630.00	88.18	189.33	9082.95	-570.83	-364.18	11.18	-214.48	598053.34	690380.23	
9662.00	88.74	185.36	9083.81	-602.55	-368.26	12.52	-210.73	598021.62	690376.15	
9694.00	89.23	182.25	9084.38	-634.47	-370.39	9.84	-205.03	597989.70	690374.02	
9725.00	89.65	179.67	9084.68	-665.46	-370.91	8.43	-198.00	597958.71	690373.50	
9757.00	88.95	176.48	9085.07	-697.43	-369.83	10.21	-189.19	597926.74	690374.58	
9789.00	88.46	173.45	9085.80	-729.30	-367.02	9.59	-178.72	597894.87	690377.39	
9820.00	86.85	170.90	9087.07	-759.98	-362.81	9.72	-167.17	597864.19	690381.60	
9852.00	86.08	168.24	9089.04	-791.39	-357.03	8.64	-153.92	597832.78	690387.38	
9883.00	85.45	165.47	9091.33	-821.49	-350.00	9.14	-139.79	597802.68	690394.41	
9914.00	85.03	162.26	9093.90	-851.16	-341.41	10.41	-124.25	597773.01	690403.00	
9946.00	84.54	159.24	9096.81	-881.24	-330.91	9.52	-106.74	597742.93	690413.50	
9977.00	84.61	157.02	9099.74	-909.88	-319.41	7.13	-88.63	597714.29	690425.00	
10009.00	84.26	153.87	9102.85	-938.85	-306.18	9.86	-68.75	597685.32	690438.23	
10040.00	84.05	150.95	9106.00	-966.18	-291.90	9.39	-48.26	597657.99	690452.51	
10072.00	83.98	147.47	9109.34	-993.51	-275.61	10.82	-25.81	597630.66	690468.80	
10103.00	83.42	144.17	9112.74	-1019.00	-258.30	10.73	-2.83	597605.17	690486.11	
10135.00	83.07	141.34	9116.51	-1044.29	-239.07	8.85	21.98	597579.88	690505.34	
10166.00	83.42	138.15	9120.16	-1067.79	-219.18	10.28	46.98	597556.38	690525.23	
10197.00	84.05	134.86	9123.54	-1090.14	-197.97	10.74	72.98	597534.03	690546.44	
10229.00	84.33	131.61	9126.78	-1111.94	-174.78	10.14	100.78	597512.23	690569.63	
10260.00	84.60	128.26	9129.77	-1131.74	-151.13	10.79	128.54	597492.43	690593.28	
10292.00	84.96	124.88	9132.68	-1150.73	-125.54	10.58	157.98	597473.44	690618.87	
10323.00	85.80	122.25	9135.18	-1167.81	-99.79	8.88	187.10	597456.36	690644.62	
10355.00	86.57	119.43	9137.31	-1184.17	-72.38	9.12	217.67	597440.00	690672.03	
10386.00	87.69	115.80	9138.86	-1198.52	-44.95	12.24	247.77	597425.65	690699.46	
10417.00	88.67	112.74	9139.85	-1211.26	-16.71	10.36	278.26	597412.91	690727.70	
10449.00	89.93	109.55	9140.24	-1222.80	13.13	10.72	310.01	597401.37	690757.54	
10480.00	89.72	106.11	9140.33	-1232.29	42.64	11.12	340.93	597391.88	690787.05	
10512.00	88.04	102.77	9140.96	-1240.27	73.61	11.68	372.92	597383.90	690818.02	
10543.00	86.85	100.05	9142.34	-1246.39	103.97	9.57	403.85	597377.78	690848.38	
10558.00	86.85	98.54	9143.17	-1248.81	118.75	10.05	418.78	597375.36	690863.16	
10586.00	87.41	95.72	9144.57	-1252.28	146.49	10.26	446.54	597371.89	690890.90	
10617.00	87.48	93.28	9145.95	-1254.71	177.36	7.87	477.07	597369.46	690921.77	
10649.00	87.62	91.56	9147.32	-1256.06	209.30	5.39	508.38	597368.11	690953.71	
10743.00	87.13	88.58	9151.62	-1256.18	303.20	3.21	599.48	597367.99	691047.61	
10838.00	87.41	88.75	9156.15	-1253.96	398.06	0.34	690.97	597370.21	691142.47	
10932.00	87.41	88.05	9160.40	-1251.34	491.93	0.74	781.38	597372.83	691236.34	
11026.00	87.62	87.87	9164.47	-1248.00	585.78	0.29	871.60	597376.17	691330.19	
11121.00	87.55	87.67	9168.48	-1244.31	680.62	0.22	962.70	597379.86	691425.03	
11215.00	87.76	87.75	9172.32	-1240.55	774.47	0.24	1052.82	597383.62	691518.88	
11310.00	88.25	88.09	9175.63	-1237.11	869.35	0.63	1144.02	597387.06	691613.76	
11404.00	88.74	88.39	9178.10	-1234.22	963.27	0.61	1234.42	597389.95	691707.68	
11499.00	89.23	88.37	9179.78	-1231.54	1058.22	0.52	1325.87	597392.63	691802.63	
11593.00	89.93	88.59	9180.47	-1229.04	1152.18	0.78	1416.41	597395.13	691896.59	
11687.00	88.25	88.28	9181.96	-1226.48	1246.13	1.82	1506.91	597397.69	691990.54	
11782.00	87.97	88.76	9185.10	-1224.02	1341.05	0.58	1598.39	597400.15	692085.46	
11876.00	88.60	89.45	9187.91	-1222.56	1434.99	0.99	1689.16	597401.61	692179.40	



Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Antares 23 Federal #4H
Well: Antares 23 Federal #4H
Wellpath: 1

Date: 5/21/2013 Time: 10:15:57 Page: 3
Co-ordinate(NE) Reference: Well: Antares 23 Federal #4H, Grid North
Vertical (TVD) Reference: SITE 3565.0
Section (VS) Reference: Well (0.00N,0.00E,104.07Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
11971.00	89.23	89.67	9189.71	-1221.83	1529.97	0.70	1781.11	597402.34	692274.38	
12066.00	87.34	90.04	9192.55	-1221.59	1624.93	2.03	1873.15	597402.58	692369.34	
12160.00	86.99	90.17	9197.20	-1221.76	1718.81	0.40	1964.26	597402.41	692463.22	
12254.00	87.76	90.79	9201.51	-1222.55	1812.71	1.05	2055.54	597401.62	692557.12	
12349.00	88.18	90.88	9204.87	-1223.93	1907.64	0.45	2147.95	597400.24	692652.05	
12443.00	88.88	91.31	9207.28	-1225.72	2001.59	0.87	2239.52	597398.45	692746.00	
12537.00	87.55	90.50	9210.21	-1227.21	2095.53	1.66	2331.01	597396.96	692839.94	
12632.00	87.62	90.21	9214.21	-1227.80	2190.44	0.31	2423.21	597396.37	692934.85	
12726.00	88.18	90.22	9217.66	-1228.15	2284.38	0.60	2514.42	597396.02	693028.79	
12820.00	88.67	90.50	9220.24	-1228.74	2378.34	0.60	2605.70	597395.43	693122.75	
12915.00	89.16	90.44	9222.04	-1229.52	2473.32	0.52	2698.02	597394.65	693217.73	
13009.00	87.55	90.31	9224.74	-1230.13	2567.28	1.72	2789.31	597394.04	693311.69	
13103.00	86.78	90.04	9229.39	-1230.42	2661.16	0.87	2880.45	597393.75	693405.57	
13198.00	87.06	90.20	9234.49	-1230.62	2756.02	0.34	2972.51	597393.55	693500.43	
13293.00	87.62	90.41	9238.90	-1231.12	2850.92	0.63	3064.68	597393.05	693595.33	
13389.00	88.32	90.32	9242.30	-1231.74	2946.86	0.74	3157.89	597392.43	693691.27	
13484.00	87.90	88.52	9245.43	-1230.78	3041.80	1.94	3249.75	597393.39	693786.21	
13578.00	88.60	88.10	9248.31	-1228.00	3135.71	0.87	3340.17	597396.17	693880.12	
13672.00	89.16	87.82	9250.14	-1224.66	3229.63	0.67	3430.46	597399.51	693974.04	
13767.00	89.72	87.34	9251.07	-1220.65	3324.54	0.78	3521.55	597403.52	694068.95	
13861.00	88.95	88.19	9252.16	-1216.98	3418.46	1.22	3611.76	597407.19	694162.87	
13956.00	87.13	88.59	9255.41	-1214.31	3513.37	1.96	3703.17	597409.86	694257.78	
14050.00	87.20	88.29	9260.06	-1211.76	3607.22	0.33	3793.58	597412.41	694351.63	
14144.00	87.55	87.94	9264.37	-1208.67	3701.07	0.53	3883.87	597415.50	694445.48	
14239.00	88.11	87.98	9267.96	-1205.29	3795.94	0.59	3975.07	597418.88	694540.35	
14333.00	88.74	88.05	9270.55	-1202.04	3889.84	0.67	4065.37	597422.13	694634.25	
14427.00	88.95	89.00	9272.44	-1199.62	3983.79	1.03	4155.91	597424.55	694728.20	
14522.00	89.09	89.63	9274.07	-1198.48	4078.77	0.68	4247.77	597425.69	694823.18	
14616.00	87.90	89.53	9276.54	-1197.79	4172.74	1.27	4338.74	597426.38	694917.15	
14711.00	85.73	89.56	9281.81	-1197.04	4267.58	2.28	4430.56	597427.13	695011.99	
14805.00	85.52	89.25	9288.98	-1196.07	4361.30	0.40	4521.23	597428.10	695105.71	
14900.00	86.43	88.97	9295.65	-1194.59	4456.05	1.00	4612.78	597429.58	695200.46	
14994.00	87.27	88.98	9300.82	-1192.91	4549.90	0.89	4703.40	597431.26	695294.31	
15088.00	87.69	88.94	9304.95	-1191.21	4643.79	0.45	4794.06	597432.96	695388.20	
15123.00	88.18	88.75	9306.21	-1190.51	4678.76	1.50	4827.81	597433.66	695423.17	Last Wft Svy
15203.00	88.18	88.75	9308.75	-1188.76	4758.70	0.00	4904.93	597435.41	695503.11	Proj. To Bit

Annotation

MD ft	TVD ft	
8500.00	8497.47	Tie On VES
8560.00	8557.46	First Wft Svy
15123.00	9306.21	Last Wft Svy
15203.00	9308.75	Proj. To Bit



Antares 23 Federal #4H Eddy Co., New Mexico

KB ELEV: 3565
GL ELEV: 3545

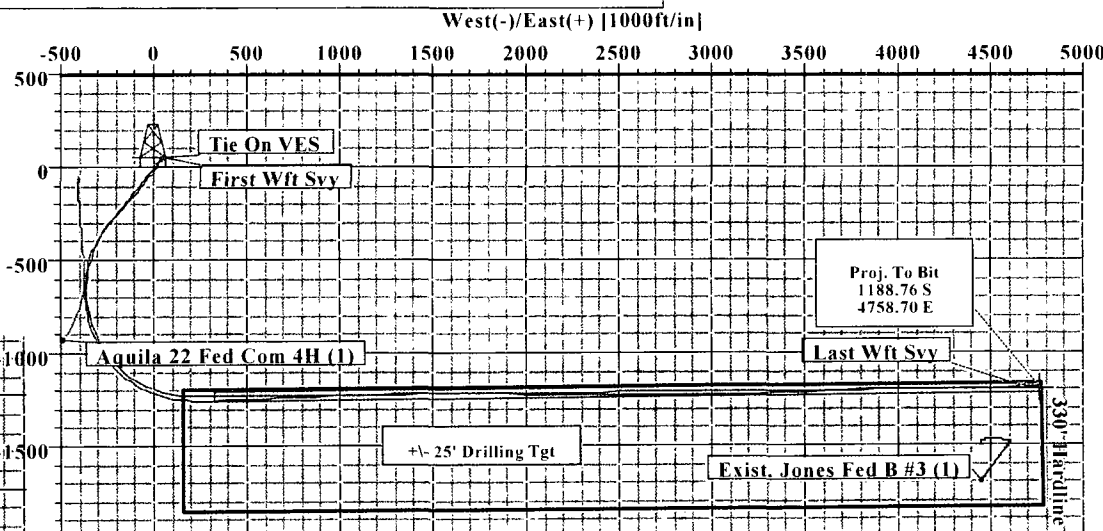
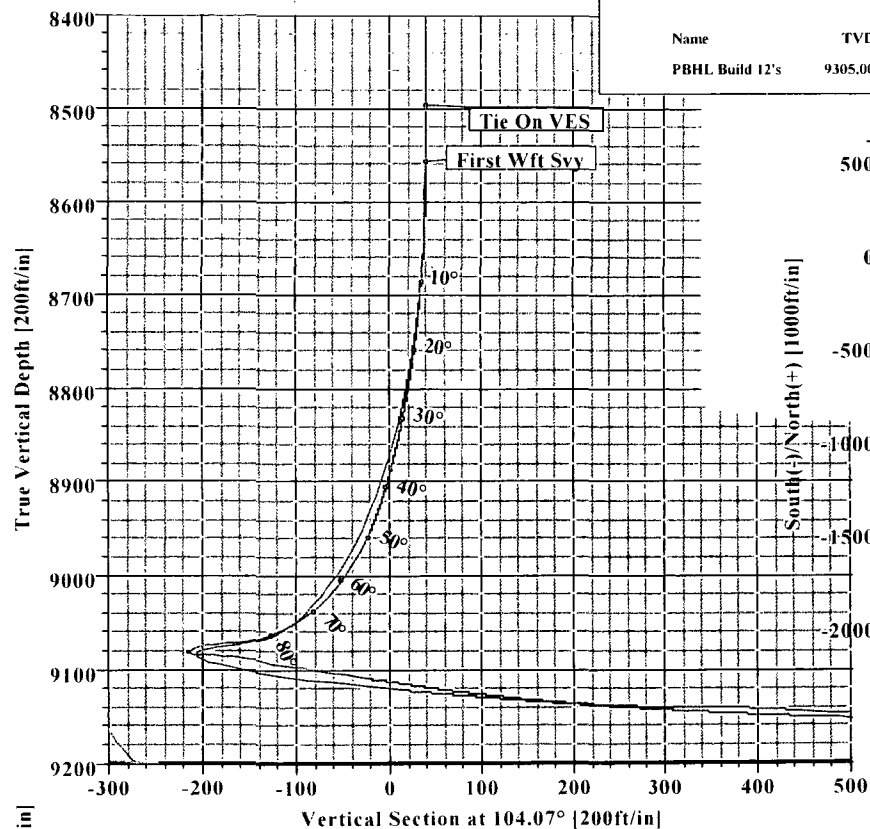
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8500.00	0.86	358.43	8497.47	50.56	53.18	0.00	0.00	39.29	
2	8592.54	0.86	358.43	8590.00	51.95	53.14	0.00	0.00	38.92	
3	9332.03	88.08	218.50	9072.66	-306.37	-237.64	12.00	220.05	-156.03	
4	10620.53	88.08	89.52	9152.79	-1232.66	213.99	10.00	-94.01	507.24	
5	15173.97	88.08	89.52	9305.00	-1194.15	4764.72	0.00	0.00	4912.08	PBHL Build 12's

SITE DETAILS	
Antares 23 Federal #4H	
Site Centre Northing:	598624.17
Easting:	690744.41
Ground Level:	3545.00
Positional Uncertainty:	0.00
Convergence:	0.26

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Antares 23 Federal #4H	0.00	0.00	598624.17	690744.41	32°38'41.007N	103°50'52.572W

LEGEND	
	Antares 23 Federal #4H.1.Gyro
	Antares 23 Federal #4H.1.Plan #2
	Aquila 22 Fed Com 4H (1)
	Exist. Jones Fed B #3 (1)
	1
	Wft Svy

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL Build 12's	9305.00	-1194.15	4764.72	597430.02	695509.13	Rectangle (4440x50)



Survey: Wft Svy (Antares 23 Federal #4H/1)									
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
118	15203.00	88.18	88.75	9308.75	-1188.76	4758.70	0.00	0.00	4904.93

