

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: April 19, 2013

Attention: Spencer Stuart

30-015-40408

Re: Devon Energy
Well: Boots 15 Fed Com #2H
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>
Joe Rivera MWD Supervisor	2H	8566' MD 13750' MD	4/6/2013 4/17/2013	Measurement While Drilling

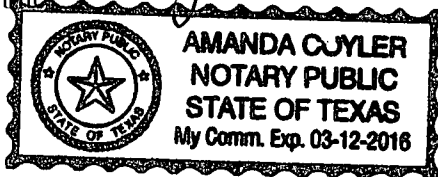
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesse Aguilar
MWD Coordinator

On this, the 30th day of April, 2013 before me a notary public, the undersigned officer, personally appeared Jesse 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.

Amanda Cuyler
Notary Public





Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy	Date: 4/16/2013	Time: 05:33:26	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: Bootes 15 Fed Com 2H, Grid North		
Site: Bootes 15 Fed Com 2H	Vertical (TVD) Reference: SITE 3570.0		
Well: Bootes 15 Fed Com 2H	Section (VS) Reference: Well (0.00N,0.00E,179.60Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 4/8/2013
Company: Weatherford	Engineer: Russell W. Joyner
Tool: MWD;MWD - Standard	Tied-to: User Defined

Site: Bootes 15 Fed Com 2H

Site Position:	Northing: 606932.90 ft	Latitude: 32 40 3.307 N
From: Map	Easting: 688851.14 ft	Longitude: 103 51 14.276 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3550.00 ft		Grid Convergence: 0.26 deg

Well: Bootes 15 Fed Com 2H	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 32 40 3.307 N
+E/-W 0.00 ft	Longitude: 103 51 14.276 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 4/15/2013	Above System Datum: Mean Sea Level		
Field Strength: 48694 nT	Declination: 7.53 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.50 deg		
ft	+N/-S	+E/-W	Direction
	ft	ft	deg
0.00	0.00	0.00	179.60

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
8495.00	1.03	268.96	8493.67	38.19	-12.76	0.00	-38.28	606971.09	688838.38	Tie On VES First Wft Svy
8566.00	1.19	256.69	8564.66	38.01	-14.12	0.40	-38.11	606970.91	688837.02	
8629.00	1.50	227.25	8627.64	37.30	-15.36	1.18	-37.40	606970.20	688835.78	
8661.00	4.43	201.24	8659.60	35.86	-16.11	9.85	-35.97	606968.76	688835.03	
8692.00	8.74	194.31	8690.39	32.46	-17.13	14.11	-32.58	606965.36	688834.01	
8724.00	12.90	190.67	8721.81	26.59	-18.39	13.17	-26.72	606959.49	688832.75	
8755.00	16.49	188.33	8751.79	18.84	-19.67	11.74	-18.97	606951.74	688831.47	
8786.00	19.26	186.69	8781.29	9.40	-20.90	9.08	-9.55	606942.30	688830.24	
8818.00	22.24	185.14	8811.22	-1.87	-22.06	9.47	1.72	606931.03	688829.08	
8849.00	25.52	183.49	8839.56	-14.38	-22.99	10.80	14.22	606918.52	688828.15	
8881.00	29.53	182.16	8867.93	-29.15	-23.71	12.68	28.98	606903.75	688827.43	
8912.00	33.85	180.74	8894.30	-45.43	-24.11	14.14	45.26	606887.47	688827.03	
8944.00	37.72	179.77	8920.26	-64.13	-24.19	12.22	63.96	606868.77	688826.95	
8975.00	41.39	179.56	8944.15	-83.87	-24.07	11.85	83.70	606849.03	688827.07	
9007.00	44.02	181.27	8967.67	-105.57	-24.24	8.98	105.40	606827.33	688826.90	
9038.00	46.82	182.29	8989.43	-127.64	-24.93	9.33	127.46	606805.26	688826.21	
9070.00	50.41	182.68	9010.58	-151.62	-25.97	11.26	151.43	606781.28	688825.17	
9102.00	54.67	182.45	9030.04	-176.99	-27.10	13.32	176.80	606755.91	688824.04	
9133.00	59.73	182.63	9046.82	-203.01	-28.26	16.33	202.81	606729.89	688822.88	
9165.00	64.48	183.84	9061.79	-231.24	-29.86	15.21	231.03	606701.66	688821.28	
9196.00	68.59	185.74	9074.13	-259.57	-32.24	14.40	259.34	606673.33	688818.90	
9228.00	72.15	186.72	9084.88	-289.53	-35.52	11.49	289.27	606643.37	688815.62	
9259.00	74.78	187.08	9093.70	-319.03	-39.09	8.56	318.74	606613.87	688812.05	
9291.00	78.02	187.07	9101.23	-349.89	-42.92	10.13	349.58	606583.01	688808.22	
9322.00	80.94	186.50	9106.89	-380.15	-46.52	9.59	379.82	606552.75	688804.62	
9353.00	84.54	185.38	9110.80	-410.73	-49.70	12.15	410.37	606522.17	688801.44	
9417.00	91.82	183.28	9112.84	-474.47	-54.52	11.84	474.08	606458.43	688796.62	
9511.00	92.94	183.82	9108.93	-568.21	-60.34	1.32	567.77	606364.69	688790.80	
9606.00	91.54	184.53	9105.22	-662.88	-67.25	1.65	662.39	606270.02	688783.89	
9700.00	89.65	184.96	9104.24	-756.55	-75.02	2.06	756.00	606176.35	688776.12	



Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Bootes 15 Fed Com 2H
Well: Bootes 15 Fed Com 2H
Wellpath: 1

Date: 4/16/2013 Time: 05:33:26 Page: 2
Co-ordinate(NE) Reference: Well: Bootes 15 Fed Com 2H, Grid North
Vertical (TVD) Reference: SITE 3570.0
Section (VS) Reference: Well (0.00N,0.00E,179.60Azi)
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
9794.00	88.11	184.51	9106.08	-850.21	-82.78	1.71	849.61	606082.69	688768.36	
9889.00	89.02	184.85	9108.46	-944.86	-90.53	1.02	944.20	605988.04	688760.61	
9983.00	88.18	184.14	9110.76	-1038.54	-97.89	1.17	1037.83	605894.36	688753.25	
10078.00	89.30	183.88	9112.84	-1133.28	-104.53	1.21	1132.52	605799.62	688746.61	
10172.00	88.25	183.91	9114.85	-1227.04	-110.92	1.12	1226.24	605705.86	688740.22	
10267.00	89.37	184.09	9116.83	-1321.79	-117.54	1.19	1320.94	605611.11	688733.60	
10361.00	90.00	182.66	9117.34	-1415.62	-123.08	1.66	1414.73	605517.28	688728.06	
10456.00	89.30	181.98	9117.92	-1510.54	-126.92	1.03	1509.62	605422.36	688724.22	
10550.00	87.69	180.83	9120.39	-1604.48	-129.23	2.10	1603.53	605328.42	688721.91	
10644.00	88.53	181.03	9123.49	-1698.41	-130.75	0.92	1697.46	605234.49	688720.39	
10739.00	90.14	181.79	9124.60	-1793.37	-133.09	1.87	1792.40	605139.53	688718.05	
10833.00	88.95	181.28	9125.34	-1887.33	-135.61	1.38	1886.34	605045.57	688715.53	
10928.00	88.04	180.54	9127.84	-1982.29	-137.12	1.23	1981.28	604950.61	688714.02	
11022.00	89.23	180.75	9130.08	-2076.25	-138.17	1.29	2075.24	604856.65	688712.97	
11117.00	88.60	181.25	9131.88	-2171.22	-139.83	0.85	2170.19	604761.68	688711.31	
11211.00	89.65	181.39	9133.31	-2265.18	-142.00	1.13	2264.14	604667.72	688709.14	
11305.00	89.09	181.85	9134.34	-2359.14	-144.65	0.77	2358.07	604573.76	688706.49	
11400.00	87.69	182.54	9137.01	-2454.03	-148.29	1.64	2452.93	604478.87	688702.85	
11494.00	88.46	182.34	9140.17	-2547.89	-152.29	0.85	2546.76	604385.01	688698.85	
11588.00	89.23	182.34	9142.07	-2641.79	-156.13	0.82	2640.64	604291.11	688695.01	
11683.00	87.83	182.37	9144.50	-2736.68	-160.03	1.47	2735.49	604196.22	688691.11	
11777.00	87.55	182.54	9148.29	-2830.52	-164.05	0.35	2829.30	604102.38	688687.09	
11872.00	87.34	182.62	9152.53	-2925.32	-168.32	0.24	2924.08	604007.58	688682.82	
11966.00	89.09	181.33	9155.45	-3019.22	-171.56	2.31	3017.95	603913.68	688679.58	
12060.00	89.86	181.29	9156.32	-3113.19	-173.71	0.82	3111.90	603819.71	688677.43	
12155.00	89.86	181.96	9156.55	-3208.15	-176.40	0.71	3206.84	603724.75	688674.74	
12249.00	89.93	182.59	9156.72	-3302.07	-180.14	0.67	3300.74	603630.83	688671.00	
12344.00	90.00	182.66	9156.78	-3396.97	-184.49	0.10	3395.60	603535.93	688666.65	
12438.00	89.79	180.88	9156.95	-3490.93	-187.39	1.91	3489.53	603441.97	688663.75	
12533.00	88.81	178.79	9158.11	-3585.91	-187.12	2.43	3584.52	603346.99	688664.02	
12627.00	88.11	175.64	9160.64	-3679.75	-182.55	3.43	3678.39	603253.15	688668.59	
12721.00	88.95	173.21	9163.05	-3773.27	-173.42	2.73	3771.97	603159.63	688677.72	
12815.00	88.11	171.68	9165.46	-3866.42	-161.07	1.86	3865.20	603066.48	688690.07	
12910.00	88.32	170.47	9168.42	-3960.22	-146.34	1.29	3959.11	602972.68	688704.80	
13004.00	88.81	169.61	9170.77	-4052.78	-130.09	1.05	4051.77	602880.12	688721.05	
13098.00	90.35	169.07	9171.46	-4145.15	-112.70	1.74	4144.26	602787.75	688738.44	
13193.00	90.98	169.60	9170.36	-4238.50	-95.12	0.87	4237.73	602694.40	688756.02	
13287.00	88.46	169.30	9170.82	-4330.90	-77.91	2.70	4330.25	602602.00	688773.23	
13382.00	87.90	169.66	9173.84	-4424.26	-60.57	0.70	4423.73	602508.64	688790.57	
13476.00	87.90	170.00	9177.28	-4516.72	-43.99	0.36	4516.30	602416.18	688807.15	
13571.00	87.69	170.29	9180.94	-4610.25	-27.74	0.38	4609.94	602322.65	688823.40	
13665.00	89.44	169.72	9183.29	-4702.79	-11.43	1.96	4702.59	602230.11	688839.71	
13750.00	89.16	169.61	9184.33	-4786.40	3.82	0.35	4786.31	602146.50	688854.96	Last Wft Svy
13820.00	89.16	169.61	9185.36	-4855.25	16.44	0.00	4855.24	602077.65	688867.58	Proj. To Bit

Annotation

MD ft	TVD ft	
8495.00	8493.67	Tie On VES
8566.00	8564.66	First Wft Svy
13750.00	9184.33	Last Wft Svy
13820.00	9185.36	Proj. To Bit



Bootes 15 Fed Com 2H
Eddy Co., New Mexico

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8495.00	1.03	268.96	8493.67	38.19	-12.76	0.00	0.00	-38.28	
2	8634.35	1.03	268.96	8633.00	38.14	-15.26	0.00	0.00	-38.25	
3	9376.26	89.10	183.11	9109.71	-430.71	-49.15	12.00	-85.87	430.36	
4	12259.31	89.10	183.11	9154.78	-3309.16	-205.40	0.00	0.00	3307.65	Turn Tgt
5	12713.96	89.10	169.47	9161.94	-3761.74	-176.03	3.00	-90.13	3760.42	
6	13862.79	89.10	169.47	9180.00	-4891.06	33.98	0.00	0.00	4891.18	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Bootes 15 Fed Com 2H	0.00	0.00	606932.90	688851.14	32°40'03.307N	103°51'14.276W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
LP	9110.00	-430.74	-49.15	606502.16	688801.99	Rectangle (3000x50)
Turn Tgt	9154.78	-3309.16	-205.40	603623.74	688645.74	Point
PBHL	9180.00	-4891.06	33.98	602041.84	688885.12	Rectangle (1450x50)

LEGEND

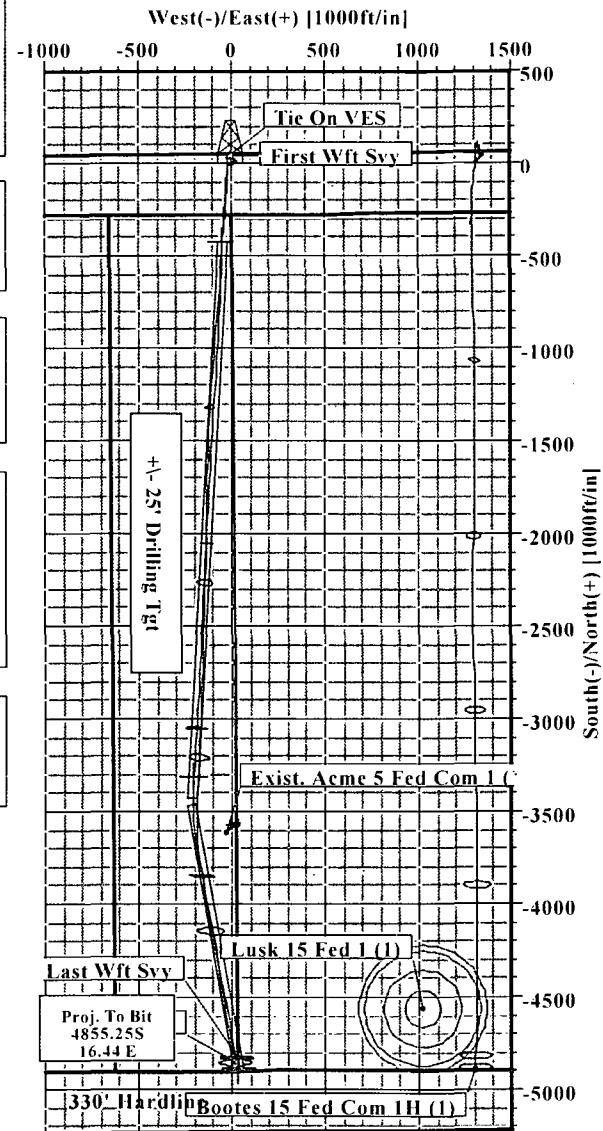
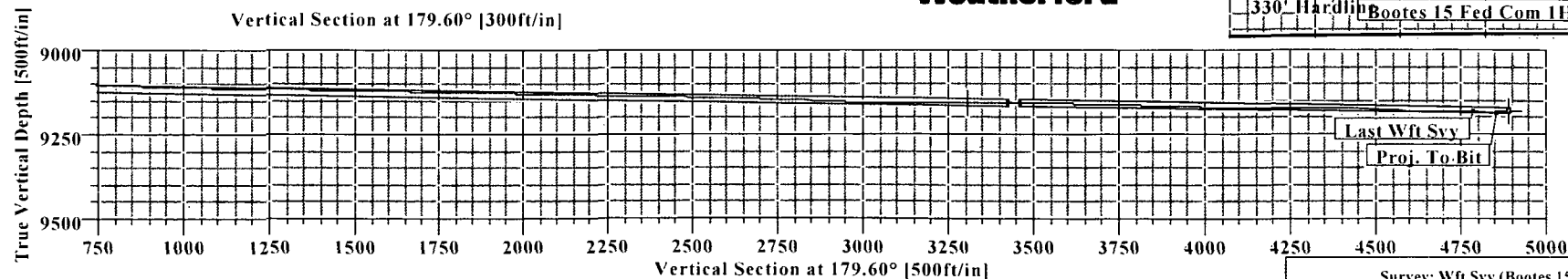
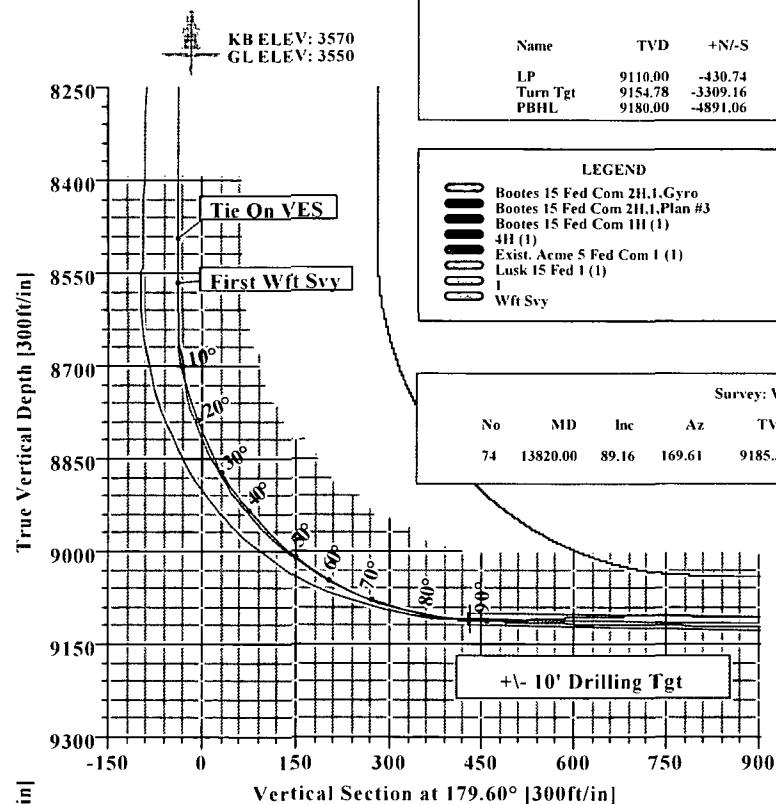
- Bootes 15 Fed Com 2H, 1 Gyro
- Bootes 15 Fed Com 2H, 1 Plan #3
- Bootes 15 Fed Com 1H (1)
- 4H (1)
- Exist. Acme 5 Fed Com 1 (1)
- Lusk 15 Fed 1 (1)
- 1
- Wft Svy

SITE DETAILS

Bootes 15 Fed Com 2H
Site Centre Northing: 606932.90
Easting: 688851.14
Ground Level: 3550.00
Positional Uncertainty: 0.00
Convergence: 0.26

Survey: Wft Svy (Bootes 15 Fed Com 2H/1)

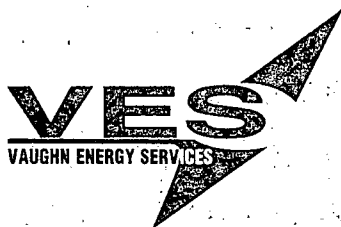
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
74	13820.00	89.16	169.61	9185.36	-4855.25	16.44	0.00	0.00	4855.24



Survey: Wft Svy (Bootes 15 Fed Com 2H/1)

Created By: Russell W. Joyner

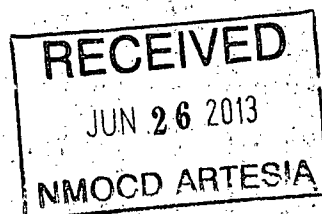
Date: 4/16/2013



A GYRO TECHNOLOGIES INC. COMPANY

PO Box 261021
Corpus Christi, Texas 78426
(361) 767-0602 • (800) 606-GYRO • Fax (361) 767-0612

April 10, 2013



Devon Energy Production Co., LP
333 West Sheridan Ave
Oklahoma City, Oklahoma 73102-5010

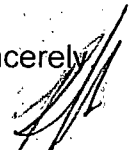
Attn: Patti Riechers

Re: **Bootes 15 Fed Com No 002H**

Please find enclosed a copy of the survey from 0' to 8,495' ran on the above referenced well.

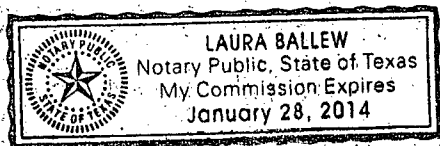
If I can be of any further service, please do not hesitate to call me at 800-606-4976.

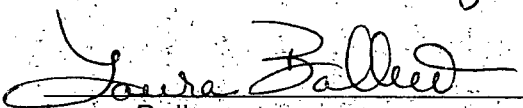
Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 10th day of April, A.D., 2013, by Keith Havelka.




Laura Ballew
Notary Public, State of Texas



Company: DEVON ENERGY PRODUCTION CO., LP

Lease/Well: BOOTES 15 FED COM/No 002H

Rig Name: MCVAY #10

State/County: NEW MEXICO/EDDY

Latitude: 32.67, Longitude: -103.85

GRID North is 0.26 Degrees East of True North

VS-Azi: 179.60 Degrees



Depth Reference : RKB=20'

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gyrobootes15fedcom#2h.ut

Minimum Curvature Method

Report Date/Time: 4/11/2013 / 08:12

Vaughn Energy Services

Conway, AR

501-730-0602

Surveyor: Michael Komarek

Bootes 15 Fed Com No 002H / API 30-015-40408

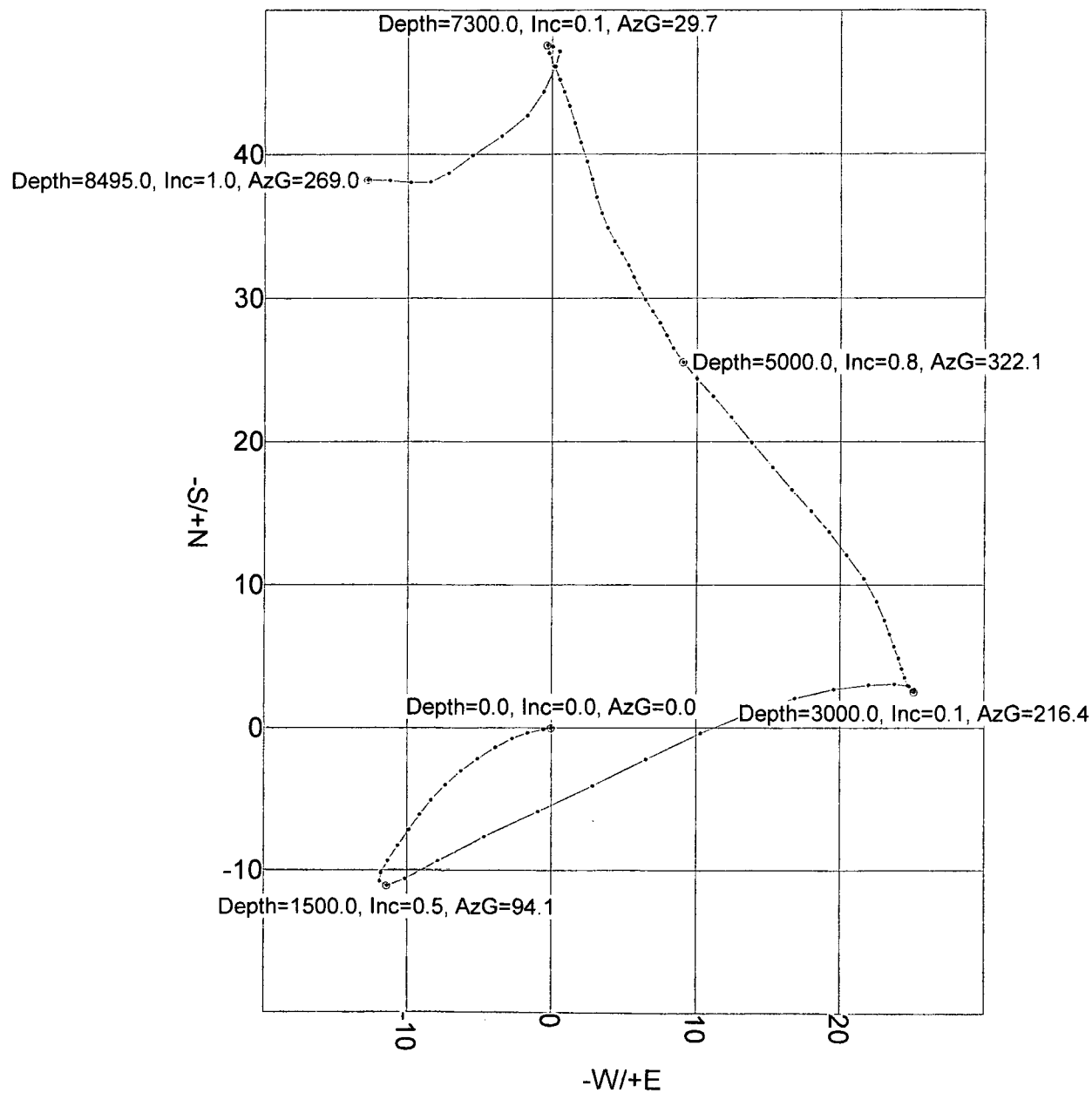


Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.62	259.18	100.00	-0.10	-0.53	0.10	0.54	259.18	0.62
200.00	0.64	253.64	199.99	-0.36	-1.61	0.35	1.65	257.29	0.07
300.00	0.66	246.96	299.99	-0.75	-2.68	0.73	2.78	254.41	0.08
400.00	0.84	236.49	399.98	-1.38	-3.83	1.35	4.07	250.16	0.23
500.00	0.86	238.38	499.97	-2.18	-5.08	2.14	5.53	246.77	0.03
600.00	0.79	230.08	599.96	-3.02	-6.25	2.97	6.94	244.22	0.14
700.00	0.89	225.69	699.94	-4.00	-7.33	3.95	8.36	241.37	0.12
800.00	0.77	219.89	799.93	-5.07	-8.32	5.01	9.75	238.67	0.15
900.00	0.72	216.12	899.93	-6.09	-9.13	6.03	10.98	236.28	0.07
1000.00	0.78	212.54	999.92	-7.17	-9.86	7.10	12.20	233.98	0.07
1100.00	0.76	216.93	1099.91	-8.28	-10.63	8.20	13.47	232.09	0.06
1200.00	0.70	208.68	1199.90	-9.35	-11.32	9.27	14.68	230.46	0.12
1300.00	0.43	208.66	1299.89	-10.21	-11.79	10.13	15.60	229.12	0.27
1400.00	0.32	162.75	1399.89	-10.80	-11.89	10.72	16.06	227.75	0.31
1500.00	0.48	94.14	1499.89	-11.10	-11.39	11.02	15.90	225.75	0.47
1600.00	1.13	60.10	1599.88	-10.64	-10.12	10.56	14.68	223.58	0.78
1700.00	1.85	60.78	1699.85	-9.36	-7.86	9.30	12.22	220.02	0.72
1800.00	2.35	63.95	1799.78	-7.67	-4.61	7.64	8.94	211.00	0.51

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5800.00	0.55	334.92	5798.94	32.24	5.28	-32.20	32.67	9.29	0.09
5900.00	0.54	325.85	5898.93	33.07	4.81	-33.03	33.41	8.27	0.09
6000.00	0.58	331.48	5998.93	33.90	4.30	-33.87	34.17	7.23	0.06
6100.00	0.62	335.13	6098.92	34.83	3.84	-34.80	35.04	6.29	0.06
6200.00	0.64	339.61	6198.92	35.84	3.42	-35.82	36.00	5.44	0.05
6300.00	0.72	345.57	6298.91	36.97	3.06	-36.95	37.10	4.74	0.11
6400.00	0.75	346.79	6398.90	38.22	2.76	-38.20	38.32	4.13	0.03
6500.00	0.73	342.16	6498.89	39.46	2.41	-39.44	39.53	3.50	0.06
6600.00	0.88	342.15	6598.88	40.79	1.98	-40.78	40.84	2.79	0.15
6700.00	0.75	344.18	6698.87	42.15	1.57	-42.14	42.18	2.14	0.14
6800.00	0.71	341.76	6798.86	43.36	1.20	-43.35	43.38	1.59	0.05
6900.00	0.47	336.89	6898.86	44.33	0.85	-44.32	44.33	1.09	0.24
7000.00	0.56	341.45	6998.85	45.17	0.53	-45.17	45.17	0.67	0.10
7100.00	0.56	335.63	7098.85	46.09	0.17	-46.08	46.09	0.21	0.06
7200.00	0.60	341.19	7198.84	47.02	-0.20	-47.02	47.03	359.76	0.06
7300.00	0.09	29.66	7298.84	47.59	-0.33	-47.59	47.59	359.61	0.54
7400.00	0.44	119.06	7398.84	47.48	0.05	-47.47	47.48	0.06	0.45
7500.00	0.23	142.52	7498.84	47.13	0.50	-47.12	47.13	0.61	0.24
7600.00	1.10	204.35	7598.83	46.09	0.23	-46.09	46.09	0.29	1.01
7700.00	1.09	204.51	7698.81	44.35	-0.56	-44.35	44.35	359.28	0.01
7800.00	1.24	222.29	7798.79	42.68	-1.68	-42.69	42.71	357.74	0.39
7900.00	1.39	238.40	7898.77	41.25	-3.44	-41.27	41.39	355.23	0.40
8000.00	1.43	234.89	7998.74	39.89	-5.49	-39.93	40.27	352.16	0.10
8100.00	0.95	232.39	8098.72	38.67	-7.17	-38.72	39.33	349.49	0.48
8200.00	0.71	258.23	8198.71	38.04	-8.43	-38.09	38.96	347.50	0.44
8300.00	0.86	277.49	8298.70	38.01	-9.78	-38.08	39.25	345.56	0.30
8400.00	0.81	274.24	8398.69	38.16	-11.24	-38.24	39.78	343.59	0.07
8495.00	1.03	268.96	8493.67	38.19	-12.76	-38.28	40.27	341.52	0.24



Vaughn Energy Services
Conway, AR
501-730-0602
Surveyor: Michael Komarek
Bootes 15 Fed Com No 002H / API 30-015-40408



VES Survey Date: 04/06/2013

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	2.39	64.30	1899.69	-5.86	-0.89	5.86	5.93	188.61	0.05
2000.00	2.36	64.29	1999.61	-4.07	2.85	4.08	4.96	144.98	0.03
2100.00	2.37	62.52	2099.52	-2.22	6.54	2.26	6.91	108.71	0.07
2200.00	2.41	65.52	2199.44	-0.39	10.29	0.46	10.30	92.16	0.13
2300.00	1.95	70.22	2299.36	1.06	13.81	-0.96	13.85	85.62	0.49
2400.00	1.73	74.04	2399.31	2.05	16.86	-1.93	16.99	83.07	0.25
2500.00	1.46	80.04	2499.27	2.68	19.56	-2.55	19.75	82.19	0.32
2600.00	1.33	86.04	2599.24	2.98	21.97	-2.83	22.18	82.27	0.19
2700.00	0.75	90.00	2699.23	3.06	23.78	-2.90	23.98	82.66	0.58
2800.00	0.44	109.71	2799.22	2.93	24.80	-2.76	24.98	83.26	0.36
2900.00	0.12	171.26	2899.22	2.69	25.18	-2.52	25.33	83.89	0.40
3000.00	0.09	216.42	2999.22	2.52	25.15	-2.35	25.28	84.27	0.09
3100.00	0.22	313.12	3099.22	2.59	24.97	-2.41	25.10	84.09	0.25
3200.00	0.31	337.97	3199.22	2.97	24.73	-2.79	24.90	83.16	0.15
3300.00	0.37	335.62	3299.22	3.51	24.49	-3.34	24.74	81.85	0.06
3400.00	0.39	345.52	3399.21	4.13	24.28	-3.96	24.63	80.35	0.07
3500.00	0.48	341.72	3499.21	4.86	24.06	-4.69	24.55	78.59	0.09
3600.00	0.55	336.43	3599.21	5.69	23.74	-5.52	24.41	76.52	0.08
3700.00	0.50	343.84	3699.20	6.54	23.43	-6.38	24.32	74.39	0.08
3800.00	0.68	338.20	3799.20	7.51	23.09	-7.35	24.28	71.98	0.19
3900.00	0.95	336.48	3899.19	8.82	22.54	-8.66	24.20	68.63	0.27
4000.00	1.16	326.24	3999.17	10.42	21.64	-10.27	24.02	64.30	0.29
4100.00	1.20	321.71	4099.15	12.08	20.43	-11.94	23.74	59.41	0.10
4200.00	1.10	323.95	4199.13	13.68	19.22	-13.55	23.59	54.55	0.10
4300.00	1.11	314.88	4299.11	15.14	17.96	-15.02	23.50	49.87	0.18
4400.00	1.18	320.14	4399.09	16.62	16.62	-16.50	23.50	45.01	0.12
4500.00	1.19	319.27	4499.07	18.19	15.29	-18.08	23.76	40.04	0.02
4600.00	1.42	320.22	4599.04	19.93	13.81	-19.83	24.25	34.73	0.23
4700.00	1.18	321.04	4699.02	21.69	12.37	-21.60	24.97	29.70	0.24
4800.00	1.02	316.61	4799.00	23.14	11.11	-23.06	25.67	25.65	0.19
4900.00	0.90	319.41	4898.99	24.37	9.99	-24.30	26.34	22.29	0.13
5000.00	0.79	322.10	4998.97	25.51	9.06	-25.45	27.07	19.55	0.11
5100.00	0.59	329.64	5098.97	26.50	8.38	-26.44	27.79	17.54	0.23
5200.00	0.57	335.94	5198.96	27.40	7.91	-27.34	28.52	16.11	0.07
5300.00	0.55	328.29	5298.96	28.26	7.46	-28.21	29.23	14.78	0.08
5400.00	0.55	326.74	5398.95	29.08	6.94	-29.03	29.89	13.42	0.01
5500.00	0.52	329.86	5498.95	29.87	6.45	-29.83	30.56	12.17	0.04
5600.00	0.52	331.92	5598.94	30.67	6.00	-30.62	31.25	11.08	0.02
5700.00	0.46	337.21	5698.94	31.43	5.64	-31.39	31.94	10.16	0.07