

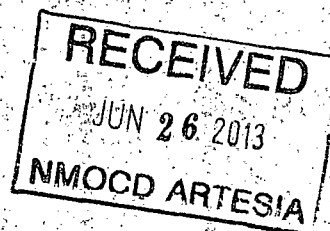


A GYRO TECHNOLOGIES INC. COMPANY

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

30-015-40407

March 12, 2013



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

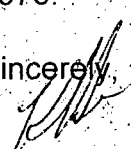
Attn: Patti Riechers

Re: **Bootes 15 Fed Com No 001H**

Please find enclosed a copy of the survey from 0' to 8,494' ran on the above referenced well.

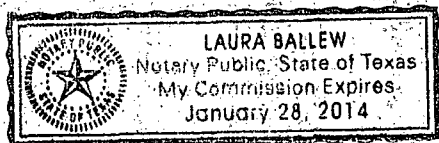
If I can be of any further service, please do not hesitate to call me at 800-606-4976.

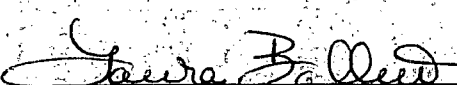
Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 12th day of March
A.D., 2013, by Keith Havelka.




Laura Ballew
Notary Public, State of Texas

**McVAY DRILLING COMPANY**

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



Well Name and Num: Bootes 15 Fed Com 1H
Location: Sec. 15, T19S, R31E
Operator: Devon
Drilling Contractor: McVay Drilling Company

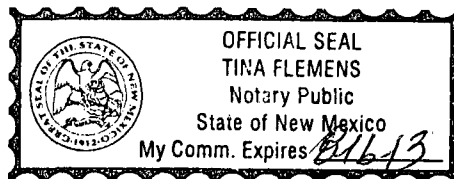
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
0.31	322	1.20	7580	89.08	13467		
2.00	525	1.30	7713	88.20	13656		
0.33	907	0.90	8087				
2.32	1690	1.80	8514				
2.27	1940	10.21	8681				
2.31	2130	31.36	8901				
1.23	2325	70.61	9216				
1.34	2510	84.68	9373				
1.59	2630	88.39	9500				
0.80	2966	89.86	9878				
0.20	3248	88.04	10444				
0.30	3636	87.90	11199				
0.40	3887	88.04	11577				
0.40	4100	89.30	11860				
1.00	4749	88.88	12332				
1.40	6259	90.35	12805				
1.20	6641	89.58	13278				

By: Hunter Crain

Subscribed and sworn to before me this 18th day of March, 2013

Tina Flemens
Notary Public, Lea County, New Mexico





Weatherford®

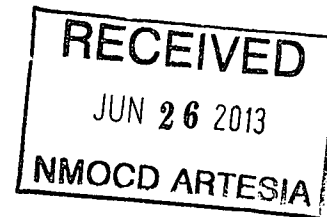
Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

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

Date: March 14, 2013

Attention: Spencer Stuart

Re: Devon Energy
Well: Bootes 15 Fed Com 1H
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:

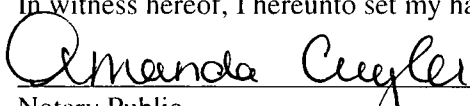
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Justin Nguyen MWD Supervisor	1H	8533' MD 13817' MD	3/3/2013 3/13/2013	Measurement While Drilling

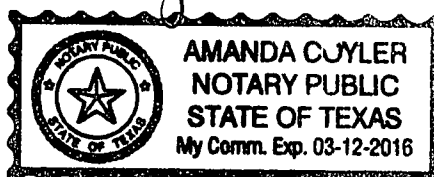
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jesse Aguilar
MWD Coordinator

On this, the 18th day of March, 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.


Notary Public





Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy	Date: 3/13/2013	Time: 08:51:09	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: Bootes 15 Fed Com 1H, Grid North		
Site: Bootes 15 Fed Com 1H	Vertical (TVD) Reference: SITE 3569.0		
Well: Bootes 15 Fed Com 1H	Section (VS) Reference: Well (0.00N,0.00E,179.60Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 3/7/2013
Company: Weatherford	Engineer: Russell W. Joyner
Tool: MWD;MWD - Standard	Tied-to: User Defined

Site: Bootes 15 Fed Com 1H

Site Position:	Northing: 606941.15 ft	Latitude: 32 40 3.330 N
From: Map	Easting: 690160.83 ft	Longitude: 103 50 58.954 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3549.00 ft		Grid Convergence: 0.26 deg

Well: Bootes 15 Fed Com 1H	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 32 40 3.330 N
+E/-W 0.00 ft	Longitude: 103 50 58.954 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 2/20/2013	Above System Datum: Mean Sea Level		
Field Strength: 48710 nT	Declination: 7.54 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.51 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
8494.00	1.51	6.40	8492.32	95.01	6.21	0.00	-94.96	607036.16	690167.04	Tie On VES First Wft Svy
8533.00	1.44	5.27	8531.31	96.01	6.32	0.19	-95.96	607037.16	690167.15	
8586.00	0.82	20.48	8584.30	97.03	6.51	1.29	-96.98	607038.18	690167.34	
8618.00	2.19	178.62	8616.29	96.63	6.60	9.27	-96.58	607037.78	690167.43	
8650.00	6.16	181.19	8648.20	94.30	6.58	12.42	-94.25	607035.45	690167.41	
8681.00	10.21	182.26	8678.88	89.89	6.44	13.07	-89.84	607031.04	690167.27	
8713.00	13.66	181.59	8710.18	83.28	6.22	10.79	-83.23	607024.43	690167.05	
8744.00	16.84	182.08	8740.09	75.13	5.96	10.27	-75.09	607016.28	690166.79	
8776.00	19.63	182.25	8770.48	65.12	5.58	8.72	-65.08	607006.27	690166.41	
8807.00	22.19	182.42	8799.43	54.07	5.13	8.26	-54.03	606995.22	690165.96	
8838.00	24.86	183.61	8827.86	41.72	4.47	8.75	-41.68	606982.87	690165.30	
8870.00	27.96	184.00	8856.51	27.52	3.52	9.70	-27.49	606968.67	690164.35	
8901.00	31.86	183.90	8883.38	12.10	2.46	12.58	-12.08	606953.25	690163.29	
8933.00	36.02	184.36	8909.92	-5.72	1.17	13.02	5.73	606935.43	690162.00	
8964.00	39.99	185.29	8934.34	-24.73	-0.44	12.94	24.73	606916.42	690160.39	
8996.00	43.83	185.95	8958.15	-46.00	-2.54	12.08	45.98	606895.15	690158.29	
9027.00	47.46	186.81	8979.82	-68.02	-5.01	11.88	67.99	606873.13	690155.82	
9058.00	51.32	186.62	9000.00	-91.39	-7.76	12.46	91.34	606849.76	690153.07	
9090.00	55.40	187.13	9019.09	-116.88	-10.83	12.81	116.80	606824.27	690150.00	
9121.00	59.64	186.07	9035.73	-142.85	-13.83	13.98	142.75	606798.30	690147.00	
9153.00	63.83	184.72	9050.88	-170.90	-16.48	13.61	170.78	606770.25	690144.35	
9184.00	67.83	184.36	9063.57	-199.09	-18.71	12.95	198.96	606742.06	690142.12	
9216.00	70.61	183.94	9074.92	-228.93	-20.88	8.77	228.78	606712.22	690139.95	
9247.00	73.71	182.40	9084.42	-258.39	-22.51	11.06	258.22	606682.76	690138.32	
9279.00	76.81	180.07	9092.56	-289.32	-23.17	11.98	289.15	606651.83	690137.66	
9310.00	79.44	178.69	9098.94	-319.65	-22.84	9.54	319.49	606621.50	690137.99	
9342.00	82.07	178.67	9104.08	-351.23	-22.11	8.22	351.06	606589.92	690138.72	
9373.00	84.68	178.70	9107.66	-382.01	-21.40	8.42	381.85	606559.14	690139.43	
9406.00	86.99	179.17	9110.06	-414.91	-20.79	7.14	414.76	606526.24	690140.04	
9500.00	88.39	179.03	9113.84	-508.82	-19.32	1.50	508.68	606432.33	690141.51	



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

Date: 3/13/2013 Time: 08:51:09 Page: 2
Co-ordinate(NE) Reference: Well: Bootes 15 Fed Com 1H, Grid North
Vertical (TVD) Reference: SITE 3569.0
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
9594.00	88.74	178.84	9116.20	-602.78	-17.57	0.42	602.64	606338.37	690143.26	
9689.00	88.95	178.92	9118.11	-697.74	-15.71	0.24	697.61	606243.41	690145.12	
9784.00	89.30	179.09	9119.56	-792.71	-14.06	0.41	792.60	606148.44	690146.77	
9878.00	89.86	178.52	9120.25	-886.69	-12.10	0.85	886.58	606054.46	690148.73	
9972.00	90.56	178.54	9119.91	-980.66	-9.69	0.74	980.57	605960.49	690151.14	
10067.00	88.95	178.91	9120.31	-1075.63	-7.58	1.74	1075.55	605865.52	690153.25	
10161.00	89.44	178.83	9121.64	-1169.60	-5.72	0.53	1169.53	605771.55	690155.11	
10255.00	89.86	178.94	9122.21	-1263.58	-3.90	0.46	1263.52	605677.57	690156.93	
10350.00	87.69	179.74	9124.24	-1358.55	-2.80	2.43	1358.50	605582.60	690158.03	
10444.00	88.04	179.87	9127.74	-1452.48	-2.48	0.40	1452.43	605488.67	690158.35	
10538.00	88.60	180.42	9130.50	-1546.44	-2.72	0.83	1546.38	605394.71	690158.11	
10633.00	88.88	180.92	9132.59	-1641.41	-3.83	0.60	1641.34	605299.74	690157.00	
10727.00	89.72	181.15	9133.74	-1735.39	-5.53	0.93	1735.31	605205.76	690155.30	
10821.00	90.21	181.24	9133.79	-1829.37	-7.49	0.53	1829.27	605111.78	690153.34	
10916.00	91.19	181.55	9132.63	-1924.33	-9.80	1.08	1924.21	605016.82	690151.03	
11010.00	89.58	181.25	9132.00	-2018.30	-12.10	1.74	2018.16	604922.85	690148.73	
11105.00	89.72	181.28	9132.58	-2113.27	-14.19	0.15	2113.12	604827.88	690146.64	
11199.00	87.90	181.03	9134.53	-2207.23	-16.09	1.95	2207.06	604733.92	690144.74	
11293.00	87.34	179.38	9138.44	-2301.14	-16.43	1.85	2300.97	604640.01	690144.40	
11388.00	88.11	179.75	9142.21	-2396.06	-15.70	0.90	2395.90	604545.09	690145.13	
11482.00	89.16	180.47	9144.45	-2490.04	-15.89	1.35	2489.86	604451.11	690144.94	
11577.00	88.04	179.21	9146.77	-2585.00	-15.62	1.77	2584.83	604356.15	690145.21	
11671.00	88.18	178.91	9149.87	-2678.94	-14.08	0.35	2678.78	604262.21	690146.75	
11765.00	88.67	179.06	9152.45	-2772.89	-12.41	0.55	2772.73	604168.26	690148.42	
11860.00	89.30	178.97	9154.14	-2867.86	-10.78	0.67	2867.71	604073.29	690150.05	
11954.00	88.04	179.21	9156.32	-2961.82	-9.29	1.36	2961.68	603979.33	690151.54	
12048.00	88.18	179.00	9159.42	-3055.76	-7.82	0.27	3055.63	603885.39	690153.01	
12143.00	88.04	179.15	9162.55	-3150.69	-6.29	0.22	3150.57	603790.46	690154.54	
12238.00	88.32	179.11	9165.57	-3245.63	-4.85	0.30	3245.52	603695.52	690155.98	
12332.00	88.88	179.35	9167.86	-3339.60	-3.58	0.65	3339.49	603601.55	690157.25	
12427.00	88.95	179.14	9169.66	-3434.57	-2.33	0.23	3434.47	603506.58	690158.50	
12522.00	89.09	179.26	9171.29	-3529.55	-1.01	0.19	3529.46	603411.60	690159.82	
12616.00	89.30	179.47	9172.61	-3623.53	0.04	0.32	3623.45	603317.62	690160.87	
12710.00	89.79	179.25	9173.35	-3717.52	1.09	0.57	3717.44	603223.63	690161.92	
12805.00	90.35	178.96	9173.24	-3812.51	2.57	0.66	3812.44	603128.64	690163.40	
12899.00	90.63	178.80	9172.43	-3906.49	4.41	0.34	3906.43	603034.66	690165.24	
12994.00	90.98	179.29	9171.10	-4001.47	5.99	0.63	4001.41	602939.68	690166.82	
13089.00	91.40	179.68	9169.13	-4096.44	6.84	0.60	4096.39	602844.71	690167.67	
13183.00	89.58	180.48	9168.32	-4190.44	6.71	2.11	4190.38	602750.71	690167.54	
13278.00	89.79	180.80	9168.85	-4285.43	5.65	0.40	4285.36	602655.72	690166.48	
13372.00	88.60	180.72	9170.17	-4379.41	4.40	1.27	4379.33	602561.74	690165.23	
13467.00	89.09	180.64	9172.08	-4474.38	3.28	0.52	4474.30	602466.77	690164.11	
13561.00	90.00	180.96	9172.83	-4568.37	1.96	1.03	4568.27	602372.78	690162.79	
13656.00	88.25	180.89	9174.28	-4663.34	0.43	1.84	4663.23	602277.81	690161.26	
13750.00	88.60	181.35	9176.86	-4757.29	-1.41	0.61	4757.16	602183.86	690159.42	
13817.00	88.88	182.02	9178.34	-4824.24	-3.38	1.08	4824.10	602116.91	690157.45	Last Wft Svy
13884.00	88.88	182.02	9179.64	-4891.19	-5.74	0.00	4891.03	602049.96	690155.09	Proj. To Bit



Weatherford

WFT Survey Report X & Y's



Weatherford

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

Date: 3/13/2013 Time: 08:51:09 Page: 3
Co-ordinate(NE) Reference: Well: Bootes 15 Fed Com 1H, Grid North
Vertical (TVD) Reference: SITE 3569.0'
Section (VS) Reference: Well (0.00N,0.00E,179.60Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

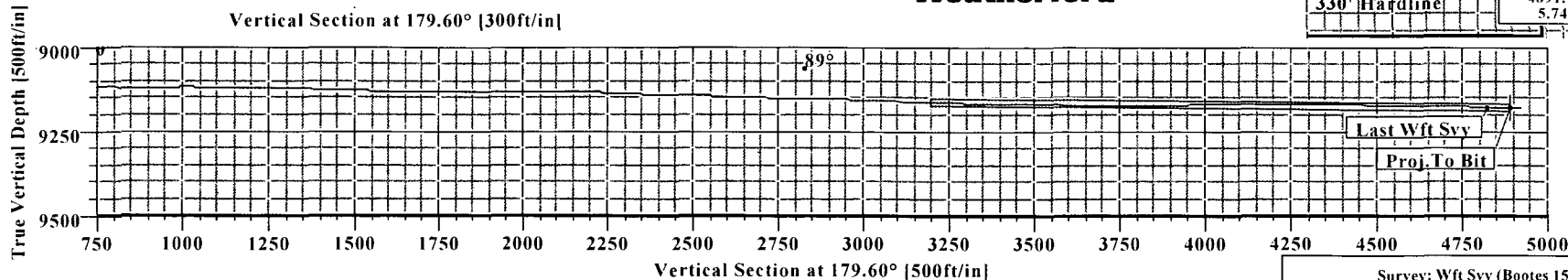
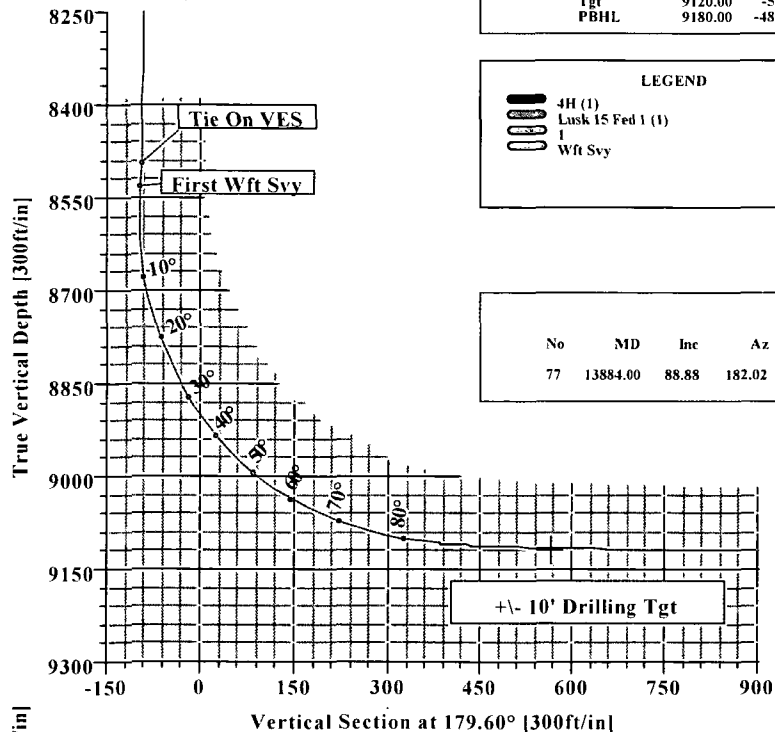
Annotation

MD ft	TVD ft	
8494.00	8492.32	Tie On VES
8533.00	8531.31	First Wft Svy
13817.00	9178.34	Last Wft Svy
13884.00	9179.64	Proj.To Bit



Bootes 15 Fed Com 1H Eddy Co., New Mexico

KB ELEV: 3569
GL ELEV: 3549



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	12143.00	88.04	179.15	9162.55	-3150.69	-6.29	0.00	0.00	3150.57	
2	12192.70	89.45	178.65	9163.64	-3200.37	-5.34	3.00	-19.45	3200.25	
3	13884.41	89.45	178.65	9180.00	-4891.54	34.41	0.00	0.00	4891.66	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Bootes 15 Fed Com 1H	0.00	0.00	606941.15	690160.83	32°40'03.330N	103°50'58.954W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Tgt	9120.00	-565.93	3.98	606375.22	690164.81	Point
PBHL	9180.00	-4891.54	34.41	602049.61	690195.24	Rectangle (1692x40)

LEGEND

4H (1)
Lusk 15 Fed 1 (1)
Wft Svy

SITE DETAILS

Bootes 15 Fed Com 1H
Site Centre Northing: 606941.15
Easting: 690160.83
Ground Level: 3549.00
Positional Uncertainty: 0.00
Convergence: 0.26

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

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
77	13884.00	88.88	182.02	9179.64	-4891.19	-5.74	0.00	0.00	4891.03

