

Results of Directional Survey

API number:	30-025-40173		
OGRID:		Operator:	DEVON ENERGY PRODUCTION COMPANY, LP
		Property:	BLACK MAMBA 15 STATE COM # 2H

surface	ULSTR:	D	15	T 23S	R 33E
				150 FNL	660 FWL

BH Loc	ULSTR:	M	15	T 23S	R 33E
15853	MD	11230.1	TVD	327 FSL	331 FWL
				4953 FNL	

Top Perf/OH	ULSTR:	D	15	T 23S	R 33E
11271	MD	11177.2	TVD	418 FNL	776 FWL

Bot Perf/OH	ULSTR:	M	15	T 23S	R 33E
15768	MD	11230.9	TVD	449 FSL	341 FWL
				4831 FNL	

	MD	N/S	E/W	VD
	11248	-249.83	118.84	11163.2
TOP PERFS/OH	11271	-267.80	116.31	11177.20
	11280	-274.83	115.32	11182.68
	15727	-4579.26	-313.60	11231.25
BOT PERFS/OH	15768	-4680.54	-318.51	11230.92
	15794	-4744.77	-321.62	11230.71

NEXT TO LAST	15794	-4744.77	-321.62	11230.71
LAST READING	15853	-4803.35	-328.69	11230.07
TD	15853	-4803.35	-328.69	11230.07

Surface Location	150 FN	660 FW
Projected BHL	4953 FN	331 FW
Location of		
Top Perfs/OH	418 FN	776 FW
Bottom Perfs/OH	4831 FN	341 FW

SUMMARY of Subsurface Locations

Surface Location	D-15-23S-33E	150 FN	660 FW	Vert. Depth
Top Perfs/OH	D-15-23S-33E	418 FN	776 FW	11177.20
Bottom Perfs/OH	M-15-23S-33E	4831 FN	341 FW	11230.92
Projected TD	M-15-23S-33E	4953 FN	331 FW	11230.07

APR 11 2013



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

HOBBS OCD

MAR 01 2013

RECEIVED

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

Date: October 30, 2012

Attention: Kurtis Schmitz

Re: Devon Energy
Well: Black Mamba 15 State Com #2H
Lea County, New Mexico

SUR: D-15-23s-33e, 150/N & 660/W
BHL: M-15-23s-33e, 4953/N & 331/W
API # 30-025-40173

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>
Dave Latch MWD Supervisor	1H Pilot	9806' MD 12075' MD	10/8/2012 10/17/2012	Measurement While Drilling
Dave Latch MWD Supervisor	1H Lateral	10723' MD 15794' MD	10/17/2012 10/29/2012	Measurement While Drilling

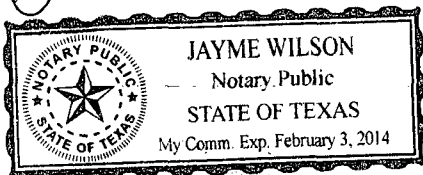
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesse Aguilar
MWD Ops. Coordinator

On this, the 30th day of October, 2012, 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





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WFT Survey Report X & Y's



Company: Devon Energy	Date: 10/11/2012	Time: 06:59:40	Page: 1
Field: Lea County, New Mexico (NAD 83)	Co-ordinate(NE) Reference: Well: BM 15 State Com #2H, Grid North		
Site: Black Mamba 15 State Com #2H	Vertical (TVD) Reference: SITE 3724.2		
Well: BM 15 State Com #2H	Section (VS) Reference: Well (0.00N,0.00E,183.68Azi)		
Wellpath: Pilot	Survey Calculation Method: Minimum Curvature		Db: Sybase

Survey: Wft Svy	Start Date: 10/10/2012
Company: Weatherford	Engineer: Russell W. Joyner
Tool: MWD;MWD - Standard	Tied-to: User Defined

Field: Lea County, New Mexico (NAD 83)	
Map System: JS State Plane Coordinate System 1983	Map Zone: New Mexico, Eastern Zone
Geo Datum: GRS 1980	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: Black Mamba 15 State Com #2H			
Site Position:	Northing: 477931.91 ft	Latitude: 32 18 41.675 N	
From: Map	Easting: 778196.67 ft	Longitude: 103 33 59.951 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 3699.20 ft		Grid Convergence: 0.41 deg	

Well: BM 15 State Com #2H	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 477931.91 ft
+E/-W 0.00 ft	Easting: 778196.67 ft
Position Uncertainty: 0.00 ft	Latitude: 32 18 41.675 N
	Longitude: 103 33 59.951 W

Wellpath: Pilot	Drilled From: Lateral
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 10/8/2012	Above System Datum: Mean Sea Level
Field Strength: 48564 nT	Declination: 7.43 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.24 deg
ft	+N/-S
	+E/-W
	Direction
	deg
0.00	0.00
0.00	0.00
0.00	183.68

Survey											
MD	Incl	Azim	TVD	N/S	E/W	DLS	VS	MapN	MapE	Comment	
ft	deg	deg	ft	ft	ft	deg/100ft	ft	ft	ft		
9725.00	2.80	234.50	9713.74	17.49	174.07	0.00	-28.63	477949.40	778370.74	Tie On	
9806.00	2.33	248.23	9794.66	15.73	170.93	0.95	-26.67	477947.64	778367.60	First Wft Svy	
9900.00	1.89	253.94	9888.60	14.60	167.67	0.52	-25.33	477946.51	778364.34		
10090.00	1.89	261.51	10078.50	13.27	161.56	0.13	-23.61	477945.18	778358.23		
10279.00	2.54	261.40	10267.36	12.18	154.34	0.34	-22.06	477944.09	778351.01		
10467.00	2.22	251.93	10455.19	10.43	146.75	0.27	-19.83	477942.34	778343.42		
10656.00	1.95	241.69	10644.07	7.77	140.44	0.24	-16.77	477939.68	778337.11		
10845.00	1.89	227.78	10832.96	4.15	135.30	0.25	-12.82	477936.06	778331.97		
11036.00	2.46	250.97	11023.83	0.69	129.10	0.54	-8.98	477932.60	778325.77		
11226.00	3.43	250.85	11213.58	-2.50	119.87	0.51	-5.20	477929.41	778316.54		
11408.00	3.43	236.97	11395.25	-7.25	110.16	0.46	0.17	477924.66	778306.83		
11593.00	3.81	238.99	11579.88	-13.44	100.26	0.22	6.97	477918.47	778296.93		
11791.00	5.06	253.00	11777.29	-19.38	86.27	0.83	13.80	477912.53	778282.94		
11883.00	5.26	255.50	11868.92	-21.62	78.31	0.33	16.55	477910.29	778274.98		
11978.00	5.59	257.01	11963.49	-23.75	69.58	0.38	19.24	477908.16	778266.25		
12075.00	6.40	251.48	12059.96	-26.53	59.85	1.02	22.63	477905.38	778256.52	Last Wft Svy	

Annotation		
MD	TVD	
ft	ft	
9725.00	9713.74	Tie On
9806.00	9794.66	First Wft Svy
12075.00	12059.96	Last Wft Svy



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WFT Survey Report X & Y's



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Company: Devon Energy Field: Lea County, New Mexico (NAD 83) Site: Black Mamba 15 State Com #2H Well: BM 15 State Com #2H Wellpath: (Lateral)	Date: 10/29/2012 Time: 06:05:00 Page: 1 Co-ordinate(NE) Reference: Well: BM 15 State Com #2H, Grid North Vertical (TVD) Reference: SITE 3724.2 Section (VS) Reference: Well (0.00N,0.00E,183.68Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey: Wft SvY	Start Date: 10/18/2012
Company: Weatherford	Engineer: Russell W. Joyner
Tool: MWD;MWD - Standard	Tied-to: User Defined

Field: Lea County, New Mexico (NAD 83)	
Map System: JS State Plane Coordinate System 1983	Map Zone: New Mexico, Eastern Zone
Geo Datum: GRS 1980	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: Black Mamba 15 State Com #2H	
Site Position:	Northing: 477931.91 ft Latitude: 32 18 41.675 N
From: Map	Easting: 778196.67 ft Longitude: 103 33 59.951 W
Position Uncertainty: 0.00 ft	North Reference: Grid
Ground Level: 3699.20 ft	Grid Convergence: 0.41 deg

Well: BM 15 State Com #2H	Slot Name:
Well Position: +N/-S 0.00 ft Northing: 477931.91 ft Latitude: 32 18 41.675 N	Longitude: 103 33 59.951 W
+E/-W 0.00 ft Easting: 778196.67 ft	
Position Uncertainty: 0.00 ft	

Wellpath: Lateral	Drilled From: Pilot
Current Datum: SITE	Tie-on Depth: 12605.00 ft
Magnetic Data: 10/8/2012	Above System Datum: Mean Sea Level
Field Strength: 48564 nT	Declination: 7.43 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.24 deg
ft	+N/-S +E/-W Direction
	ft ft deg
0.00	0.00 0.00 183.68

Survey											
MD	Incl	Azim	TVD	N/S	E/W	DLS	VS	MapN	MapE	Comment	
ft	deg	deg	ft	ft	ft	deg/100ft	ft	ft	ft		
9725.00	2.80	234.50	9713.74	17.49	174.07	0.00	-28.63	477949.40	778370.74	Tie On Gyro Dat	
10656.00	1.95	241.69	10644.07	7.77	140.44	0.10	-16.77	477939.68	778337.11	Tie On Wft	
10723.00	12.29	180.51	10710.50	0.07	139.37	17.13	-9.02	477931.98	778336.04	First Wft SvY	
10745.00	14.57	178.94	10731.90	-5.04	139.40	10.49	-3.92	477926.87	778336.07		
10776.00	18.19	181.24	10761.64	-13.78	139.37	11.86	4.80	477918.13	778336.04		
10807.00	20.57	183.60	10790.88	-24.05	138.92	8.08	15.09	477907.86	778335.59		
10839.00	22.81	185.52	10820.61	-35.84	137.97	7.34	26.91	477896.07	778334.64		
10870.00	23.91	184.18	10849.07	-48.09	136.94	3.94	39.20	477883.82	778333.61		
10902.00	24.08	184.00	10878.31	-61.07	136.01	0.58	52.21	477870.84	778332.68		
10933.00	24.20	183.15	10906.60	-73.72	135.22	1.19	64.89	477858.19	778331.89		
10964.00	25.88	183.17	10934.68	-86.82	134.50	5.42	78.01	477845.09	778331.17		
10996.00	26.16	183.63	10963.44	-100.83	133.66	1.08	92.04	477831.08	778330.33		
11028.00	26.34	186.01	10992.14	-114.93	132.47	3.34	106.19	477816.98	778329.14		
11059.00	29.54	185.66	11019.52	-129.38	131.00	10.34	120.71	477802.53	778327.67		
11091.00	32.74	185.05	11046.91	-145.85	129.46	10.05	137.24	477786.06	778326.13		
11122.00	36.67	184.58	11072.39	-163.44	127.98	12.71	154.89	477768.47	778324.65		
11154.00	40.22	185.89	11097.45	-183.25	126.16	11.38	174.77	477748.66	778322.83		
11185.00	43.74	185.70	11120.49	-203.87	124.07	11.36	195.49	477728.04	778320.74		
11217.00	47.41	186.09	11142.88	-226.60	121.72	11.50	218.32	477705.31	778318.39		
11248.00	50.68	187.96	11163.20	-249.83	118.84	11.49	241.69	477682.08	778315.51		
11280.00	54.30	188.01	11182.68	-274.96	115.32	11.31	267.00	477656.95	778311.99		
11311.00	57.84	188.53	11199.98	-300.41	111.62	11.50	292.63	477631.50	778308.29		
11343.00	61.76	188.55	11216.08	-327.76	107.51	12.25	320.18	477604.15	778304.18		
11374.00	65.44	188.21	11229.86	-355.22	103.47	11.91	347.85	477576.69	778300.14		



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WFT Survey Report X & Y's



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Company: Devon Energy	Date: 10/29/2012	Time: 06:05:00	Page: 2
Field: Lea County, New Mexico (NAD 83)	Co-ordinate(NE) Reference: Well: BM 15 State Com #2H; Grid North		
Site: Black Mamba 15 State Com #2H	Vertical (TVD) Reference: SITE 3724.2		
Well: BM 15 State Com #2H	Section (VS) Reference: Well (0.00N,0.00E,183.68Azi)		
Wellpath: (Lateral)	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
11406.00	69.76	187.97	11242.05	-384.51	99.31	13.52	377.34	477547.40	778295.98	
11437.00	74.18	187.88	11251.64	-413.70	95.24	14.26	406.73	477518.21	778291.91	
11469.00	78.73	187.50	11259.13	-444.52	91.08	14.27	437.76	477487.39	778287.75	
11500.00	82.63	187.43	11264.15	-474.85	87.11	12.58	468.28	477457.06	778283.78	
11532.00	83.90	188.15	11267.91	-506.33	82.80	4.55	499.97	477425.58	778279.47	
11563.00	84.18	188.44	11271.12	-536.84	78.35	1.30	530.70	477395.07	778275.02	
11595.00	85.38	188.32	11274.04	-568.37	73.71	3.77	562.46	477363.54	778270.38	
11627.00	85.94	188.47	11276.46	-599.93	69.05	1.81	594.26	477331.98	778265.72	
11658.00	86.22	188.37	11278.58	-630.53	64.52	0.96	625.09	477301.38	778261.19	
11690.00	86.92	188.32	11280.49	-662.13	59.88	2.19	656.92	477269.78	778256.55	
11721.00	88.53	187.74	11281.72	-692.80	55.56	5.52	687.81	477239.11	778252.23	
11753.00	90.91	187.03	11281.88	-724.53	51.45	7.76	719.74	477207.38	778248.12	
11784.00	92.38	187.20	11280.99	-755.28	47.61	4.77	750.67	477176.63	778244.28	
11879.00	93.15	186.81	11276.41	-849.46	36.03	0.91	845.40	477082.45	778232.70	
11974.00	95.05	185.52	11269.61	-943.66	25.86	2.42	940.06	476988.25	778222.53	
12037.00	94.77	185.38	11264.22	-1006.15	19.90	0.50	1002.80	476925.76	778216.57	
12132.00	94.13	185.30	11256.85	-1100.45	11.08	0.68	1097.47	476831.46	778207.75	
12226.00	95.47	185.05	11248.98	-1193.74	2.63	1.45	1191.11	476738.17	778199.30	
12321.00	96.45	184.82	11239.12	-1287.87	-5.50	1.06	1285.57	476644.04	778191.17	
12416.00	94.97	184.92	11229.67	-1382.06	-13.52	1.56	1380.08	476549.85	778183.15	
12510.00	93.99	184.73	11222.33	-1475.44	-21.40	1.06	1473.77	476456.47	778175.27	
12605.00	92.45	185.00	11216.99	-1569.94	-29.45	1.65	1568.60	476361.97	778167.22	
12700.00	91.61	184.75	11213.63	-1664.54	-37.51	0.92	1663.51	476267.37	778159.16	
12794.00	91.05	184.74	11211.44	-1758.19	-45.29	0.60	1757.47	476173.72	778151.38	
12889.00	90.14	184.61	11210.46	-1852.87	-53.03	0.97	1852.45	476079.04	778143.64	
12984.00	89.88	184.72	11210.44	-1947.55	-60.76	0.30	1947.44	475984.36	778135.91	
13078.00	90.00	185.00	11210.54	-2041.22	-68.72	0.32	2041.42	475890.69	778127.95	
13173.00	89.58	185.39	11210.89	-2135.82	-77.32	0.60	2136.38	475796.09	778119.35	
13268.00	88.95	185.38	11212.11	-2230.40	-86.24	0.66	2231.33	475701.51	778110.43	
13362.00	88.39	185.48	11214.29	-2323.95	-95.13	0.61	2325.26	475607.96	778101.54	
13457.00	88.88	185.09	11216.55	-2418.52	-103.88	0.66	2420.20	475513.39	778092.79	
13552.00	88.88	184.25	11218.41	-2513.18	-111.61	0.88	2515.17	475418.73	778085.06	
13646.00	90.21	184.29	11219.15	-2606.92	-118.61	1.42	2609.16	475324.99	778078.06	
13741.00	90.42	184.33	11218.63	-2701.65	-125.75	0.23	2704.15	475230.26	778070.92	
13835.00	90.56	184.48	11217.83	-2795.37	-132.97	0.22	2798.14	475136.54	778063.70	
13930.00	90.70	183.47	11216.78	-2890.13	-139.55	1.07	2893.13	475041.78	778057.12	
14025.00	89.65	185.08	11216.49	-2984.86	-146.63	2.02	2988.12	474947.05	778050.04	
14119.00	89.65	184.88	11217.07	-3078.51	-154.79	0.21	3082.09	474853.40	778041.88	
14214.00	90.07	184.49	11217.30	-3173.19	-162.55	0.60	3177.08	474758.72	778034.12	
14309.00	89.30	184.51	11217.82	-3267.89	-170.01	0.81	3272.07	474664.02	778026.66	
14403.00	88.74	184.62	11219.43	-3361.58	-177.49	0.61	3366.04	474570.33	778019.18	
14498.00	88.74	184.21	11221.52	-3456.27	-184.80	0.43	3461.01	474475.64	778011.87	
14592.00	89.44	184.52	11223.01	-3549.99	-191.95	0.81	3554.99	474381.92	778004.72	
14687.00	89.44	185.01	11223.94	-3644.66	-199.84	0.52	3649.97	474287.25	777996.83	
14781.00	88.67	185.06	11225.49	-3738.28	-208.09	0.82	3743.93	474193.63	777988.58	
14876.00	88.95	185.34	11227.46	-3832.87	-216.70	0.42	3838.87	474099.04	777979.97	
14971.00	89.37	185.63	11228.86	-3927.42	-225.78	0.54	3933.82	474004.49	777970.89	
15065.00	89.37	186.44	11229.89	-4020.90	-235.66	0.86	4027.73	473911.01	777961.01	
15160.00	89.02	186.62	11231.22	-4115.27	-246.46	0.41	4122.60	473816.64	777950.21	
15255.00	89.16	186.68	11232.73	-4209.62	-257.46	0.16	4217.46	473722.29	777939.21	
15349.00	90.20	186.64	11233.26	-4302.98	-268.37	1.11	4311.33	473628.93	777928.30	
15444.00	90.14	186.71	11232.98	-4397.34	-279.41	0.10	4406.20	473534.57	777917.26	



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WFT Survey Report X & Y's



Company: Devon Energy	Date: 10/29/2012	Time: 06:05:00	Page: 3
Field: Lea County, New Mexico (NAD 83)	Co-ordinate(NE) Reference: Well: BM 15 State Com #2H, Grid North		
Site: Black Mamba 15 State Com #2H	Vertical (TVD) Reference: SITE 3724.2		
Well: BM 15 State Com #2H	Section (VS) Reference: Well (0.00N,0.00E,183.68Azi)		
Wellpath: (Lateral)	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
15538.00	90.56	186.99	11232.40	-4490.66	-290.62	0.54	4500.06	473441.25	777906.05	
15633.00	90.28	187.04	11231.71	-4584.95	-302.22	0.30	4594.89	473346.96	777894.45	
15727.00	90.28	186.87	11231.25	-4678.26	-313.60	0.18	4688.74	473253.65	777883.07	
15794.00	90.63	186.88	11230.71	-4744.77	-321.62	0.52	4755.63	473187.14	777875.05	Last Wft Svy
15853.00	90.63	186.88	11230.07	-4803.35	-328.69	0.00	4814.54	473128.56	777867.98	Proj. To Bit

Annotation

MD ft	TVD ft	
9725.00	9713.74	Tie On Gyro Data
10656.00	10644.07	Tie On Wft
10723.00	10710.50	First Wft Svy
15794.00	11230.71	Last Wft Svy
15853.00	11230.07	Proj. To Bit



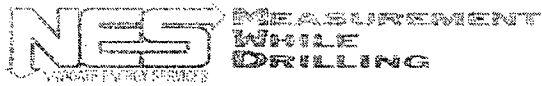
State of New Mexico
County of Lea

SUR: D-15-23s-33e, 150/N & 660/W
BHL: M-15-23s-33e, 4953/N & 331/W
API # 30-025-40173

I, **Hunter Arcement**, certify that; I am employed by Navigate Energy Services, LLC.; that I did on the day(s) of **09/29** through **10/08/2012** conduct or supervise the taking of a **MWD** survey from a depth of **1,525** feet to a depth of **4,557** feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Navigate Energy Services, LLC.; that I am authorized and qualified to make this report; that the survey was conducted at the request of **Devon**. for the **Black Mamba 15 State Com 2H** Well API No. **30-025-40173** in **Lea County, New Mexico**; and that I have reviewed this report and find it conforms to the principles and procedures as set forth by Navigate Energy Services, LLC.

A handwritten signature in black ink, appearing to read "Hunter Arcement", is written over a horizontal line.

Hunter Arcement
Operations Manager- Houston



MWD SURVEY REPORT

Job Number : WNM-1932-5
 Report Date : 02/10/12 14:26:37
 Operator : DEVON ENERGY
 Lease / Well : BLACK MAMBA 15 S
 Location : EDDY
 Field :
 Contractor / Rig : H P 416
 Directional Company :
 MWD Field Rep. : MATT/JASON
 Tie In Survey Reference : 0
 Calculation Method : Minimum Curvature
 API Number : 30-025-40173

Target +N / -S = 0.0
 Target +E / -W = 0.0
 Target TVD = 7352.0
 Magnetic Declination +E / -W = 7.5
 Grid Convergence +E / -W = 0.4
 Total Correction +E / -W = 7.0
 North Reference = GRID
 RKB Height = 25.00
 Ground Level Elevation = 3699.00
 Vertical Section Azimuth = 0.00

Comments :

Srv. No.	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (deg/100')
							+N / -S (ft)	+E / -W (ft)	Distance (ft)	Azimuth (deg)	
T	0.00	0.0	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
1	1525.80	0.8	328.8	1525.8	1525.74	9.50	9.5	-5.8	11.1	-31.2	0.1
2	1620.40	0.9	337.6	1620.4	1620.38	10.80	10.8	-6.4	12.5	-30.7	0.2
3	1809.20	0.7	342.3	188.7	1809.08	13.30	13.3	-7.3	15.2	-28.8	0.1
4	1997.70	1.0	340.6	188.5	1997.59	16.00	16.0	-8.2	17.9	-27.3	0.1
5	2189.40	1.0	337.8	191.7	2189.25	19.00	19.0	-9.4	21.2	-26.3	0.0
6	2470.50	1.2	349.1	281.1	2470.33	24.20	24.2	-10.9	26.5	-24.2	0.1
7	2472.00	1.3	342.9	1.5	2471.83	24.20	24.2	-10.9	26.6	-24.2	10.6
8	2567.00	1.3	345.2	95.0	2566.78	26.30	26.3	-11.5	28.7	-23.6	0.1
9	2661.20	1.3	3.1	94.2	2660.97	28.40	28.4	-11.7	30.7	-22.4	0.4
10	2755.40	1.8	18.4	94.2	2755.15	30.90	30.9	-11.2	32.8	-19.9	0.6
11	3037.90	2.5	27.5	282.4	3037.40	40.40	40.4	-7.0	41.0	-9.9	0.3
12	3133.10	2.8	26.2	95.2	3132.54	44.20	44.3	-5.1	44.5	-6.5	0.3
13	3226.80	3.0	28.4	93.7	3226.13	48.50	48.5	-2.9	48.5	-3.4	0.3
14	3321.60	3.1	30.6	94.8	3320.79	52.90	52.9	-0.4	52.9	-0.4	0.2
15	3416.50	3.0	36.1	94.9	3415.58	57.10	57.1	2.4	57.2	2.4	0.3
16	3796.30	4.5	45.1	379.8	3794.56	75.70	75.7	18.9	78.0	14.0	0.4
17	3890.90	4.7	45.5	94.6	3888.83	81.00	81.1	24.2	84.6	16.7	0.2
18	3986.10	3.6	56.0	95.2	3983.81	85.40	85.4	29.5	90.4	19.0	1.4
19	4082.40	2.9	57.2	96.3	4079.93	88.40	88.4	34.0	94.7	21.0	0.7
20	4271.80	3.2	74.4	189.4	4269.09	92.40	92.5	43.1	102.0	25.0	0.5
21	4462.30	7.2	92.0	190.5	4458.75	93.50	93.5	60.1	111.1	32.8	2.2
22	4557.00	6.6	87.8	94.7	4552.71	93.50	93.5	71.5	117.7	37.4	0.8



Devon Energy Corporation
333 W. Sheridan Avenue
Oklahoma City, OK 73102-5010
Tel: 405-235-3611

HOBBS OCD
MAR 01 2013
RECEIVED

Date: October 15, 2012


Attention: Survey Processing

Re: Devon Energy Corp.
Black Mamba 15 State Com 2H
Lea County, New Mexico
API No. 30-025-40173

Enclosed, please find the original and one copy of the survey performed on the referenced well by Navigate Energy Services, LLC (NES). Other information required by your office is as follows:

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Original Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Jason Yao Service Technician	Original Hole	1,525 to 4,557 ft	09/29 – 10/08/2012	Steering Tool (MWD)

If any other information is required please contact the undersigned at the letterhead address and phone number.



 Hunter Arcement
 Operations Manager- Houston