

A GYRO TECHNOLOGIES INC. COMPANY

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

May 20, 2013

15-38608

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

Attn: Patti Riechers

Re: Cotton Draw Unit No. 125H

Please find enclosed a copy of the survey from 0.00' to 9750.00' 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

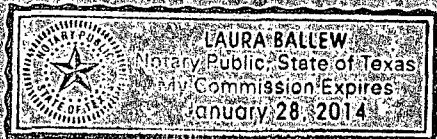
Sincerely,

Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 20th day of May, A.D. 2013, by Keith Havelka

Laura Ballew
Notary Public, State of Texas





Company: Devon Energy Production Co.
Lease/Well: Cotton Draw Unit/No. 125H
Location: S35 T24s R31e
Rig Name: Cactus 105
State/County: New Mexico/Eddy
Latitude: 32.18, Longitude: -103.74
GRID North is 0.31 Degrees East of True North
VS-Azi: 0.00 Degrees



RKB : 28 Feet

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: ...raw unit #125h gyro survey.ut

Minimum Curvature Method

Report Date/Time: 5/20/2013 / 14:16

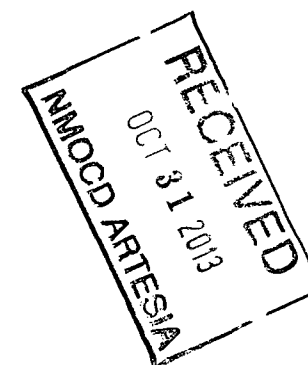
Vaughn Energy Services

Gardendale, Texas

432-563-5444

Survey Engineer: Dustin Wedel

Cotton Draw Unit No. 125H / API 30-015-38608



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	****
132.78	0.46	27.51	132.78	0.47	0.25	0.47	0.53	27.51	0.35
228.00	0.79	47.23	227.99	1.26	0.91	1.26	1.55	35.73	0.41
323.22	0.96	44.48	323.20	2.28	1.95	2.28	3.00	40.57	0.19
418.44	1.13	39.73	418.41	3.57	3.11	3.57	4.74	41.06	0.20
513.66	1.15	41.93	513.61	5.01	4.35	5.01	6.63	41.00	0.05
608.88	1.16	42.13	608.81	6.43	5.64	6.43	8.56	41.23	0.02
704.10	1.17	46.14	704.01	7.82	6.99	7.82	10.49	41.77	0.09
799.32	1.17	48.16	799.21	9.14	8.41	9.14	12.42	42.61	0.04
894.54	1.30	45.06	894.41	10.55	9.89	10.55	14.46	43.16	0.15
989.76	1.42	41.95	989.60	12.19	11.44	12.19	16.72	43.20	0.16
1084.98	1.13	43.84	1084.80	13.75	12.89	13.75	18.84	43.15	0.31
1180.20	0.84	39.73	1180.00	14.96	13.99	14.96	20.48	43.07	0.32
1275.42	0.81	56.05	1275.21	15.88	14.99	15.88	21.84	43.36	0.25
1370.64	0.79	72.36	1370.42	16.45	16.17	16.45	23.07	44.51	0.24

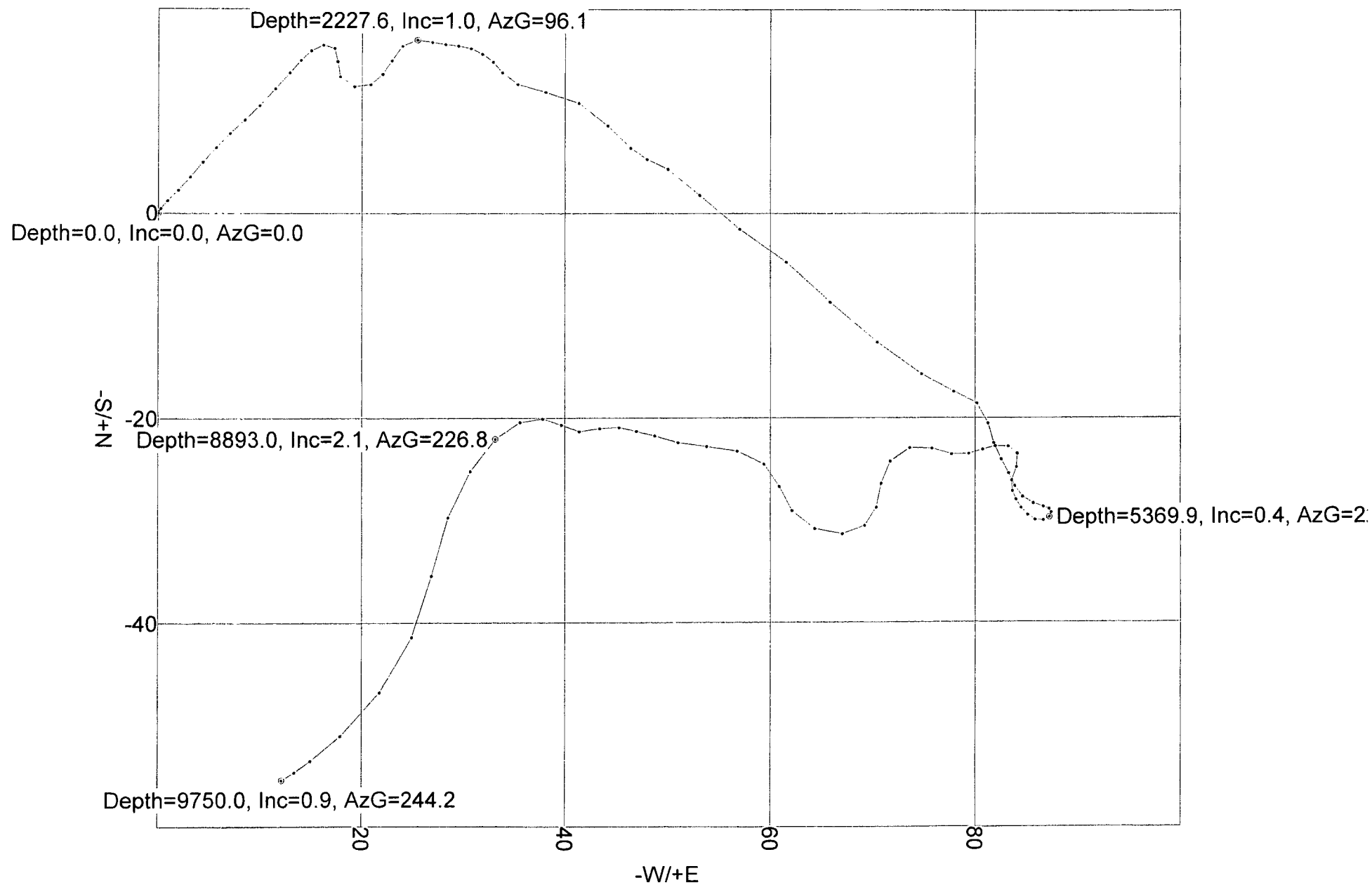
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1465.86	0.88	135.35	1465.63	16.13	17.31	16.13	23.66	47.01	0.92
1561.08	0.97	196.35	1560.84	14.85	17.59	14.85	23.02	49.84	0.98
1656.30	1.05	145.52	1656.05	13.36	17.86	13.36	22.30	53.21	0.91
1751.52	1.13	105.70	1751.26	12.38	19.26	12.38	22.90	57.26	0.78
1846.74	1.01	56.80	1846.46	12.59	20.87	12.59	24.37	58.90	0.94
1941.96	0.90	40.89	1941.67	13.61	22.06	13.61	25.92	58.32	0.30
2037.18	1.03	28.04	2036.87	14.93	22.95	14.93	27.38	56.95	0.27
2132.40	1.17	45.18	2132.08	16.37	24.04	16.37	29.09	55.74	0.37
2227.62	0.97	96.09	2227.28	16.97	25.53	16.97	30.66	56.39	0.98
2322.84	0.78	101.00	2322.49	16.76	26.98	16.76	31.76	58.15	0.22
2418.06	0.78	98.43	2417.70	16.54	28.26	16.54	32.74	59.66	0.04
2513.28	0.77	93.86	2512.91	16.40	29.54	16.40	33.79	60.95	0.07
2608.50	0.76	109.02	2608.12	16.15	30.78	16.15	34.76	62.31	0.21
2703.72	0.75	122.19	2703.34	15.61	31.91	15.61	35.52	63.93	0.18
2798.94	0.81	132.14	2798.55	14.83	32.94	14.83	36.12	65.77	0.16
2894.16	0.87	144.09	2893.76	13.78	33.86	13.78	36.56	67.85	0.19
2989.38	1.45	117.18	2988.96	12.65	35.36	12.65	37.56	70.32	0.82
3084.60	2.03	97.27	3084.13	11.88	38.11	11.88	39.92	72.68	0.87
3179.82	2.13	119.03	3179.29	10.81	41.33	10.81	42.72	75.34	0.83
3275.04	2.24	137.79	3274.45	8.57	44.12	8.57	44.95	79.00	0.76
3370.26	1.52	128.55	3369.61	6.41	46.36	6.41	46.80	82.13	0.81
3465.48	0.81	119.31	3464.81	5.29	47.94	5.29	48.23	83.70	0.77
3560.70	1.91	114.07	3560.01	4.31	49.98	4.31	50.16	85.07	1.16
3655.92	3.01	138.84	3655.14	1.78	53.07	1.78	53.10	88.08	1.58
3751.14	3.24	122.28	3750.22	-1.54	56.99	-1.54	57.01	91.54	0.97
3846.36	3.47	127.72	3845.28	-4.74	61.55	-4.74	61.73	94.40	0.41
3941.58	3.60	136.89	3940.32	-8.68	65.87	-8.68	66.44	97.51	0.61
4036.80	3.72	124.05	4035.34	-12.59	70.47	-12.59	71.58	100.13	0.87
4132.02	2.70	128.71	4130.41	-15.72	74.78	-15.72	76.42	101.87	1.10
4227.24	1.69	101.38	4225.56	-17.41	77.91	-17.41	79.83	102.59	1.50
4322.46	1.51	134.74	4320.75	-18.56	80.18	-18.56	82.30	103.04	0.98
4417.68	1.32	168.10	4415.94	-20.52	81.29	-20.52	83.84	104.16	0.87
4512.90	1.14	159.39	4511.14	-22.48	81.85	-22.48	84.88	105.36	0.27
4608.12	0.96	150.68	4606.34	-24.06	82.58	-24.06	86.01	106.25	0.25
4703.34	0.88	153.83	4701.55	-25.42	83.29	-25.42	87.09	106.97	0.10

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
4798.56	0.80	154.99	4796.76	-26.69	83.90	-26.69	88.04	107.65	0.09
4893.78	0.77	132.33	4891.97	-27.73	84.66	-27.73	89.08	108.13	0.33
4989.00	0.74	109.67	4987.18	-28.37	85.71	-28.37	90.28	108.31	0.31
5084.22	0.49	108.20	5082.40	-28.70	86.68	-28.70	91.31	108.32	0.26
5179.44	0.24	114.73	5177.62	-28.91	87.25	-28.91	91.91	108.33	0.27
5274.66	0.32	170.70	5272.83	-29.25	87.47	-29.25	92.23	108.49	0.28
5369.88	0.39	226.67	5368.05	-29.73	87.28	-29.73	92.20	108.81	0.36
5465.10	0.46	258.20	5463.27	-30.04	86.67	-30.04	91.72	109.11	0.25
5560.32	0.53	289.73	5558.49	-29.97	85.88	-29.97	90.96	109.23	0.29
5655.54	0.55	315.18	5653.70	-29.49	85.14	-29.49	90.10	109.10	0.25
5750.76	0.58	320.63	5748.92	-28.79	84.51	-28.79	89.28	108.81	0.06
5845.98	0.55	334.93	5844.13	-28.00	84.01	-28.00	88.55	108.43	0.15
5941.20	0.53	341.24	5939.35	-27.17	83.67	-27.17	87.97	107.99	0.07
6036.42	0.74	5.64	6034.56	-26.14	83.59	-26.14	87.59	107.37	0.36
6131.64	0.96	30.04	6129.77	-24.84	84.05	-24.84	87.65	106.46	0.44
6226.86	0.84	333.99	6224.98	-23.52	84.15	-23.52	87.37	105.62	0.90
6322.08	0.73	277.94	6320.20	-22.80	83.24	-22.80	86.31	105.32	0.78
6417.30	0.76	263.59	6415.41	-22.79	82.01	-22.79	85.12	105.53	0.20
6512.52	0.80	249.23	6510.62	-23.10	80.76	-23.10	84.00	105.96	0.21
6607.74	0.96	254.65	6605.83	-23.54	79.38	-23.54	82.80	106.52	0.19
6702.96	1.12	281.07	6701.03	-23.57	77.70	-23.57	81.20	106.88	0.52
6798.18	1.29	291.84	6796.23	-23.00	75.79	-23.00	79.20	106.88	0.30
6893.40	1.47	253.62	6891.43	-22.94	73.63	-22.94	77.12	107.31	0.96
6988.62	1.46	216.03	6986.62	-24.27	71.74	-24.27	75.73	108.69	0.99
7083.84	1.46	188.44	7081.81	-26.45	70.85	-26.45	75.62	110.47	0.73
7179.06	1.39	194.93	7177.00	-28.76	70.37	-28.76	76.02	112.23	0.18
7274.28	1.31	231.42	7272.19	-30.55	69.22	-30.55	75.66	113.81	0.89
7369.50	1.58	265.15	7367.39	-31.34	67.06	-31.34	74.02	115.05	0.92
7464.72	1.85	293.87	7462.56	-30.83	64.35	-30.83	71.35	115.60	0.93
7559.94	1.70	324.06	7557.74	-29.07	62.12	-29.07	68.58	115.08	0.98
7655.16	1.56	341.24	7652.92	-26.69	60.87	-26.69	66.46	113.68	0.53
7750.38	1.73	310.81	7748.11	-24.53	59.37	-24.53	64.23	112.45	0.92
7845.60	1.89	282.38	7843.28	-23.25	56.74	-23.25	61.32	112.28	0.95
7940.82	1.75	274.19	7938.45	-22.81	53.76	-22.81	58.40	112.99	0.31
8036.04	1.61	282.00	8033.63	-22.43	50.99	-22.43	55.70	113.74	0.28

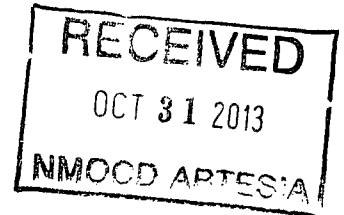
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
8131.26	1.28	290.98	8128.82	-21.77	48.68	-21.77	53.33	114.09	0.42
8226.48	0.95	275.96	8224.02	-21.30	46.90	-21.30	51.52	114.43	0.46
8321.70	1.12	288.78	8319.23	-20.92	45.24	-20.92	49.84	114.82	0.30
8416.92	1.30	247.60	8414.43	-21.03	43.36	-21.03	48.19	115.88	0.91
8512.14	1.20	276.76	8509.63	-21.32	41.37	-21.32	46.54	117.27	0.67
8607.36	1.09	305.93	8604.83	-20.67	39.65	-20.67	44.72	117.54	0.61
8702.58	1.29	274.17	8700.03	-20.06	37.85	-20.06	42.84	117.93	0.71
8797.80	1.49	249.41	8795.22	-20.42	35.62	-20.42	41.06	119.83	0.66
8893.02	2.11	226.84	8890.39	-22.06	33.18	-22.06	39.84	123.62	0.98
8988.24	2.73	211.28	8985.53	-25.20	30.72	-25.20	39.73	129.36	0.94
9083.46	3.29	201.26	9080.62	-29.69	28.55	-29.69	41.19	136.12	0.81
9178.68	3.85	191.24	9175.65	-35.38	26.93	-35.38	44.46	142.72	0.88
9273.90	3.83	204.27	9270.66	-41.42	25.00	-41.42	48.38	148.88	0.92
9369.12	3.81	217.31	9365.67	-46.83	21.77	-46.83	51.65	155.07	0.91
9464.34	3.17	228.22	9460.71	-51.11	17.89	-51.11	54.15	160.71	0.97
9559.56	1.40	235.46	9555.86	-53.52	14.97	-53.52	55.57	164.37	1.88
9654.78	0.94	232.44	9651.06	-54.65	13.40	-54.65	56.27	166.23	0.49
9750.00	0.87	244.16	9746.26	-55.44	12.13	-55.44	56.75	167.66	0.21



Vaughn Energy Services
Gardendale, Texas
432-563-5444
Survey Engineer: Dustin Wedel
Cotton Draw Unit 125H / API 30-015-38608



VES Survey Date: 05/12/2013



Survey Certification Form

State of New Mexico

Eddy County

I, Randy W. Rakowitz, certify that; I am employed by LEAM Drilling Systems LLC, that I did on the day(s) of May 23, 2013 through June 1, 2013, conduct or supervise the taking of MWD Survey from a depth of 9,852' to 14,950' MD; that the data is true, correct, complete and within the limitations of the tools as set forth by LEAM Drilling Systems LLC, that I am authorized and qualified to make this report; that this survey was conducted at the request of Devon Energy for the Cotton Draw Unit #125H in Eddy County, New Mexico; and that I reviewed this report and find that it conforms to the principals and procedures as set forth by LEAM Drilling Systems LLC.

A handwritten signature in black ink, appearing to read 'Randy W. Rakowitz', written over a horizontal line.

Randy W. Rakowitz
MWD Operations Coordinator

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 MULTI User DB

Project:	Eddy County, NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	Cotton Draw Unit				
Site Position:		Northing:	419,194.51 usft	Latitude:	32° 9' 3.901 N
From:	Map	Easting:	722,955.98 usft	Longitude:	103° 44' 47.345 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.31 °

Well	125H					
Well Position	+N-S	0.00 usft	Northing:	429,901.47 usft	Latitude:	32° 10' 49.821 N
	+E-W	0.00 usft	Easting:	723,552.16 usft	Longitude:	103° 44' 39.729 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,502.00 usft	

Wellbore:	OH				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/12/2013	7.45	60.07	48,397

Design:	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.00	0.00	0.00	180.00	

Survey Program	Date	From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
	9/19/2013	132.78	9,750.00	Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
		9,816.00	10,577.00	Survey #2 (OH)	LEAM MWD	MWD - Standard
		10,626.00	10,626.00	Survey #3 (OH)	Project	Projection

Survey	Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	132.78	0.46	27.51	132.78	0.47	0.25	-0.47	0.35	0.35	0.00
	228.00	0.79	47.23	227.99	1.26	0.90	-1.26	0.41	0.35	20.71
	323.22	0.96	44.48	323.20	2.27	1.95	-2.27	0.18	0.18	-2.89
	418.44	1.13	39.73	418.41	3.56	3.10	-3.56	0.20	0.18	-4.99
	513.66	1.15	41.93	513.61	5.00	4.34	-5.00	0.05	0.02	2.31
	608.88	1.16	42.13	608.81	6.42	5.63	-6.42	0.01	0.01	0.21
	704.10	1.17	46.14	704.01	7.81	6.98	-7.81	0.09	0.01	4.21
	799.32	1.17	48.16	799.21	9.13	8.40	-9.13	0.04	0.00	2.12

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 MULTI User DB

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
894.54	1.30	45.06	894.41	10.54	9.89	-10.54	0.15	0.14	-3.26	
989.76	1.42	41.95	989.60	12.18	11.44	-12.18	0.15	0.13	-3.27	
1,084.98	1.13	43.84	1,084.80	13.74	12.88	-13.74	0.31	-0.30	1.98	
1,180.20	0.84	39.73	1,180.00	14.95	13.98	-14.95	0.31	-0.30	-4.32	
1,275.42	0.81	56.05	1,275.21	15.87	14.98	-15.87	0.25	-0.03	17.14	
1,370.64	0.79	72.36	1,370.42	16.44	16.17	-16.44	0.24	-0.02	17.13	
1,465.86	0.88	135.35	1,465.63	16.12	17.31	-16.12	0.92	0.09	66.15	
1,561.08	0.97	196.35	1,560.84	14.83	17.59	-14.83	0.99	0.09	64.06	
1,656.30	1.05	145.52	1,656.05	13.33	17.86	-13.33	0.91	0.08	-53.38	
1,751.52	1.13	105.70	1,751.26	12.36	19.26	-12.36	0.78	0.08	-41.82	
1,846.74	1.01	56.80	1,846.46	12.57	20.86	-12.57	0.94	-0.13	-51.35	
1,941.96	0.90	40.89	1,941.67	13.59	22.06	-13.59	0.30	-0.12	-16.71	
2,037.18	1.03	28.04	2,036.87	14.91	22.95	-14.91	0.26	0.14	-13.50	
2,132.40	1.17	45.18	2,132.08	16.35	24.04	-16.35	0.37	0.15	18.00	
2,227.62	0.97	96.09	2,227.28	16.95	25.53	-16.95	0.98	-0.21	53.47	
2,322.84	0.78	101.00	2,322.49	16.74	26.97	-16.74	0.21	-0.20	5.16	
2,418.06	0.78	98.43	2,417.70	16.52	28.25	-16.52	0.04	0.00	-2.70	
2,513.28	0.77	93.86	2,512.91	16.39	29.53	-16.39	0.07	-0.01	-4.80	
2,608.50	0.76	109.02	2,608.12	16.14	30.76	-16.14	0.21	-0.01	15.92	
2,703.72	0.75	122.19	2,703.34	15.60	31.89	-15.60	0.18	-0.01	13.83	
2,798.94	0.81	132.14	2,798.55	14.82	32.91	-14.82	0.16	0.06	10.45	
2,894.16	0.87	144.09	2,893.76	13.78	33.83	-13.78	0.19	0.06	12.55	
2,989.38	1.45	117.18	2,988.96	12.64	35.33	-12.64	0.82	0.61	-28.26	
3,084.60	2.03	97.27	3,084.14	11.88	38.07	-11.88	0.87	0.61	-20.91	
3,179.82	2.13	119.03	3,179.29	10.81	41.30	-10.81	0.83	0.11	22.85	
3,275.04	2.24	137.79	3,274.45	8.57	44.09	-8.57	0.76	0.12	19.70	
3,370.26	1.52	128.55	3,369.61	6.40	46.33	-6.40	0.82	-0.76	-9.70	
3,465.48	0.81	119.31	3,464.81	5.29	47.91	-5.29	0.77	-0.75	-9.70	
3,560.70	1.91	114.07	3,560.01	4.31	49.94	-4.31	1.16	1.16	-5.50	
3,655.92	3.01	138.84	3,655.14	1.78	53.04	-1.78	1.58	1.16	26.01	
3,751.14	3.24	122.28	3,750.22	-1.54	56.96	1.54	0.97	0.24	-17.39	
3,846.36	3.47	127.72	3,845.28	-4.74	61.51	4.74	0.41	0.24	5.71	
3,941.58	3.60	136.89	3,940.32	-8.68	65.83	8.68	0.61	0.14	9.63	
4,036.80	3.72	124.05	4,035.34	-12.60	70.44	12.60	0.87	0.13	-13.48	
4,132.02	2.70	128.71	4,130.41	-15.73	74.74	15.73	1.10	-1.07	4.89	
4,227.24	1.69	101.38	4,225.56	-17.41	77.87	17.41	1.50	-1.06	-28.70	
4,322.46	1.51	134.74	4,320.75	-18.57	80.14	18.57	0.98	-0.19	35.03	
4,417.68	1.32	168.10	4,415.94	-20.52	81.26	20.52	0.87	-0.20	35.03	
4,512.90	1.14	159.39	4,511.14	-22.48	81.82	22.48	0.27	-0.19	-9.15	
4,608.12	0.96	150.68	4,606.34	-24.07	82.54	24.07	0.25	-0.19	-9.15	
4,703.34	0.88	153.83	4,701.55	-25.42	83.25	25.42	0.10	-0.08	3.31	
4,798.56	0.80	154.99	4,796.76	-26.68	83.86	26.68	0.09	-0.08	1.22	
4,893.78	0.77	132.33	4,891.97	-27.71	84.61	27.71	0.33	-0.03	-23.80	

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 MULTI User DB

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,989.00	0.74	109.67	4,987.18	-28.35	85.66	28.35	0.31	-0.03	-23.80
5,084.22	0.49	108.20	5,082.40	-28.68	86.63	28.68	0.26	-0.26	-1.54
5,179.44	0.24	114.73	5,177.62	-28.89	87.20	28.89	0.27	-0.26	6.86
5,274.66	0.32	170.70	5,272.84	-29.24	87.42	29.24	0.29	0.08	58.78
5,369.88	0.39	226.67	5,368.05	-29.72	87.23	29.72	0.36	0.07	58.78
5,465.10	0.46	258.20	5,463.27	-30.02	86.62	30.02	0.25	0.07	33.11
5,560.32	0.53	289.73	5,558.49	-29.95	85.83	29.95	0.29	0.07	33.11
5,655.54	0.55	315.18	5,653.70	-29.48	85.09	29.48	0.25	0.02	26.73
5,750.76	0.58	320.63	5,748.92	-28.78	84.46	28.78	0.06	0.03	5.72
5,845.98	0.55	334.93	5,844.14	-28.00	83.97	28.00	0.15	-0.03	15.02
5,941.20	0.53	341.24	5,939.35	-27.17	83.63	27.17	0.07	-0.02	6.63
6,036.42	0.74	5.64	6,034.57	-26.14	83.55	26.14	0.35	0.22	25.62
6,131.64	0.96	30.04	6,129.77	-24.83	84.01	24.83	0.44	0.23	25.62
6,226.86	0.84	333.99	6,224.98	-23.52	84.10	23.52	0.90	-0.13	-58.86
6,322.08	0.73	277.94	6,320.20	-22.81	83.19	22.81	0.78	-0.12	-58.86
6,417.30	0.76	263.59	6,415.41	-22.79	81.97	22.79	0.20	0.03	-15.07
6,512.52	0.80	249.23	6,510.62	-23.10	80.72	23.10	0.21	0.04	-15.08
6,607.74	0.96	254.65	6,605.83	-23.55	79.33	23.55	0.19	0.17	5.69
6,702.96	1.12	281.07	6,701.03	-23.58	77.64	23.58	0.53	0.17	27.75
6,798.18	1.29	291.84	6,796.23	-23.00	75.74	23.00	0.30	0.18	11.31
6,893.40	1.47	253.62	6,891.43	-22.95	73.57	22.95	0.97	0.19	-40.14
6,988.62	1.46	216.03	6,986.62	-24.27	71.68	24.27	0.99	-0.01	-39.48
7,083.84	1.46	188.44	7,081.81	-26.45	70.79	26.45	0.73	0.00	-28.98
7,179.06	1.39	194.93	7,177.00	-28.77	70.32	28.77	0.18	-0.07	6.82
7,274.28	1.31	231.42	7,272.19	-30.56	69.17	30.56	0.89	-0.08	38.32
7,369.50	1.58	265.15	7,367.39	-31.35	67.01	31.35	0.92	0.28	35.42
7,464.72	1.85	293.87	7,462.56	-30.84	64.30	30.84	0.93	0.28	30.16
7,559.94	1.70	324.06	7,557.74	-29.08	62.06	29.08	0.98	-0.16	31.71
7,655.16	1.56	341.24	7,652.92	-26.71	60.82	26.71	0.53	-0.15	18.04
7,750.38	1.73	310.81	7,748.11	-24.54	59.31	24.54	0.92	0.18	-31.96
7,845.60	1.89	282.38	7,843.28	-23.26	56.69	23.26	0.95	0.17	-29.86
7,940.82	1.75	274.19	7,938.45	-22.82	53.71	22.82	0.31	-0.15	-8.60
8,036.04	1.61	282.00	8,033.63	-22.44	50.95	22.44	0.28	-0.15	8.20
8,131.26	1.28	290.98	8,128.82	-21.78	48.65	21.78	0.42	-0.35	9.43
8,226.48	0.95	275.96	8,224.02	-21.31	46.87	21.31	0.46	-0.35	-15.77
8,321.70	1.12	288.78	8,319.23	-20.93	45.20	20.93	0.30	0.18	13.46
8,416.92	1.30	247.60	8,414.43	-21.04	43.32	21.04	0.91	0.19	-43.25
8,512.14	1.20	276.76	8,509.63	-21.34	41.33	21.34	0.67	-0.11	30.62
8,607.36	1.09	305.93	8,604.83	-20.69	39.61	20.69	0.62	-0.12	30.63
8,702.58	1.29	274.17	8,700.03	-20.08	37.81	20.08	0.71	0.21	-33.35
8,797.80	1.49	249.41	8,795.22	-20.44	35.58	20.44	0.66	0.21	-26.00
8,893.02	2.11	226.84	8,890.40	-22.07	33.14	22.07	0.98	0.65	-23.70
8,988.24	2.73	211.28	8,985.53	-25.21	30.68	25.21	0.94	0.65	-16.34

LEAM Drilling Systems LLC

Survey Report

Company	DEVON ENERGY	Local Co-ordinate Reference	Well 125H
Project	Eddy County, NM (NAD-83)	TVD Reference	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site	Cotton Draw Unit	MD Reference	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well	125H	North Reference	Grid
Wellbore	OH	Survey Calculation Method	Minimum Curvature
Design	OH	Database	EDM 5000.1 MULTI User DB

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,083.46	3.29	201.26	9,080.62	-29.69	28.52	29.69	0.80	0.59	-10.52	
9,178.68	3.85	191.24	9,175.66	-35.38	26.90	35.38	0.88	0.59	-10.52	
9,273.90	3.83	204.27	9,270.66	-41.41	24.97	41.41	0.91	-0.02	13.68	
9,369.12	3.81	217.31	9,365.67	-46.83	21.75	46.83	0.91	-0.02	13.69	
9,464.34	3.17	228.22	9,460.72	-51.10	17.87	51.10	0.97	-0.67	11.46	
9,559.56	1.40	235.46	9,555.86	-53.51	14.95	53.51	1.88	-1.86	7.60	
9,654.78	0.94	232.44	9,651.06	-54.65	13.37	54.65	0.49	-0.48	-3.17	
9,750.00	0.87	244.16	9,746.27	-55.44	12.10	55.44	0.21	-0.07	12.31	
9,816.00	0.53	263.24	9,812.26	-55.69	11.34	55.69	0.62	-0.52	28.91	
9,848.00	1.67	211.21	9,844.26	-56.11	10.96	56.11	4.40	3.56	-162.59	
9,880.00	5.54	200.14	9,876.19	-57.96	10.18	57.96	12.23	12.09	-34.59	
9,911.00	9.67	197.50	9,906.91	-61.85	8.88	61.85	13.37	13.32	-8.52	
9,943.00	12.93	198.38	9,938.28	-67.81	6.95	67.81	10.20	10.19	2.75	
9,975.00	16.53	198.38	9,969.23	-75.53	4.38	75.53	11.25	11.25	0.00	
10,007.00	20.49	200.49	9,999.57	-85.10	0.98	85.10	12.55	12.38	6.59	
10,039.00	24.45	200.14	10,029.13	-96.57	-3.26	96.57	12.38	12.38	-1.09	
10,070.00	28.14	198.38	10,056.92	-109.53	-7.78	109.53	12.16	11.90	-5.68	
10,102.00	31.83	196.09	10,084.63	-124.81	-12.50	124.81	12.07	11.53	-7.16	
10,133.00	35.17	194.51	10,110.48	-141.31	-17.00	141.31	11.13	10.77	-5.10	
10,164.00	38.51	193.46	10,135.28	-159.35	-21.48	159.35	10.96	10.77	-3.39	
10,196.00	41.50	192.76	10,159.79	-179.38	-26.15	179.38	9.45	9.34	-2.19	
10,228.00	43.53	192.40	10,183.38	-200.48	-30.85	200.48	6.39	6.34	-1.13	
10,259.00	44.93	192.93	10,205.59	-221.58	-35.60	221.58	4.67	4.52	1.71	
10,291.00	45.99	193.63	10,228.04	-243.78	-40.84	243.78	3.66	3.31	2.19	
10,323.00	47.31	192.05	10,250.00	-266.46	-46.00	266.46	5.47	4.13	-4.94	
10,354.00	48.80	191.70	10,270.72	-289.03	-50.75	289.03	4.88	4.81	-1.13	
10,386.00	50.30	191.17	10,291.48	-312.90	-55.57	312.90	4.85	4.69	-1.66	
10,418.00	51.53	190.29	10,311.66	-337.30	-60.20	337.30	4.40	3.84	-2.75	
10,450.00	53.38	189.77	10,331.16	-362.28	-64.61	362.28	5.92	5.78	-1.63	
10,482.00	55.57	189.77	10,349.75	-387.95	-69.03	387.95	6.84	6.84	0.00	
10,513.00	57.77	192.05	10,366.79	-413.37	-73.94	413.37	9.39	7.10	7.35	
10,545.00	59.00	193.63	10,383.56	-439.94	-80.00	439.94	5.70	3.84	4.94	
10,577.00	61.82	193.99	10,399.36	-466.96	-86.64	466.96	8.87	8.81	1.13	
10,626.00	61.82	193.99	10,422.50	-508.87	-97.08	508.87	0.00	0.00	0.00	
Projection to Bit										

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 MULTI User DB

Project:	Eddy County, NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Cotton Draw Unit			
Site Position:		Northing:	419,194.51 usft	Latitude:	32° 9' 3.901 N
From:	Map	Easting:	722,955.98 usft	Longitude:	103° 44' 47.345 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.31 °

Well	125H					
Well Position	+N/-S	0.00 usft	Northing:	429,901.47 usft	Latitude:	32° 10' 49.821 N
	+E/-W	0.00 usft	Easting:	723,552.16 usft	Longitude:	103° 44' 39.729 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,502.00 usft	

Wellbore		ST01			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/14/2013	7.43	60.07	48,379

Design:		ST01			
Audit Notes:					
Version:		1.0		Phase:	ACTUAL
				Tie On Depth:	10,070.00
Vertical Section	Depth From (TVD)		+N/-S	+E/-W	Direction
	(usft)		(usft)	(usft)	(°)
	0.00		0.00	0.00	180.00

Survey Program		Date	9/19/2013	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
132.78	9,750.00	Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
9,816.00	10,070.00	Survey #2 (OH)	LEAM MWD	MWD - Standard
10,100.00	10,702.00	Survey #1 (ST01)	LEAM MWD	MWD - Standard
10,751.00	10,751.00	Survey #2 (ST01)	Project	Projection

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
132.78	0.46	27.51	132.78	0.47	0.25	-0.47	0.35	0.35	0.00	
228.00	0.79	47.23	227.99	1.26	0.90	-1.26	0.41	0.35	20.71	
323.22	0.96	44.48	323.20	2.27	1.95	-2.27	0.18	0.18	-2.89	
418.44	1.13	39.73	418.41	3.56	3.10	-3.56	0.20	0.18	-4.99	
513.66	1.15	41.93	513.61	5.00	4.34	-5.00	0.05	0.02	2.31	
608.88	1.16	42.13	608.81	6.42	5.63	-6.42	0.01	0.01	0.21	
704.10	1.17	46.14	704.01	7.81	6.98	-7.81	0.09	0.01	4.21	

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 MULTI User DB

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
799.32	1.17	48.16	799.21	9.13	8.40	-9.13	0.04	0.00	2.12
894.54	1.30	45.06	894.41	10.54	9.89	-10.54	0.15	0.14	-3.26
989.76	1.42	41.95	989.60	12.18	11.44	-12.18	0.15	0.13	-3.27
1,084.98	1.13	43.84	1,084.80	13.74	12.88	-13.74	0.31	-0.30	1.98
1,180.20	0.84	39.73	1,180.00	14.95	13.98	-14.95	0.31	-0.30	-4.32
1,275.42	0.81	56.05	1,275.21	15.87	14.98	-15.87	0.25	-0.03	17.14
1,370.64	0.79	72.36	1,370.42	16.44	16.17	-16.44	0.24	-0.02	17.13
1,465.86	0.88	135.35	1,465.63	16.12	17.31	-16.12	0.92	0.09	66.15
1,561.08	0.97	196.35	1,560.84	14.83	17.59	-14.83	0.99	0.09	64.06
1,656.30	1.05	145.52	1,656.05	13.33	17.86	-13.33	0.91	0.08	-53.38
1,751.52	1.13	105.70	1,751.26	12.36	19.26	-12.36	0.78	0.08	-41.82
1,846.74	1.01	56.80	1,846.46	12.57	20.86	-12.57	0.94	-0.13	-51.35
1,941.96	0.90	40.89	1,941.67	13.59	22.06	-13.59	0.30	-0.12	-16.71
2,037.18	1.03	28.04	2,036.87	14.91	22.95	-14.91	0.26	0.14	-13.50
2,132.40	1.17	45.18	2,132.08	16.35	24.04	-16.35	0.37	0.15	18.00
2,227.62	0.97	96.09	2,227.28	16.95	25.53	-16.95	0.98	-0.21	53.47
2,322.84	0.78	101.00	2,322.49	16.74	26.97	-16.74	0.21	-0.20	5.16
2,418.06	0.78	98.43	2,417.70	16.52	28.25	-16.52	0.04	0.00	-2.70
2,513.28	0.77	93.86	2,512.91	16.39	29.53	-16.39	0.07	-0.01	-4.80
2,608.50	0.76	109.02	2,608.12	16.14	30.76	-16.14	0.21	-0.01	15.92
2,703.72	0.75	122.19	2,703.34	15.60	31.89	-15.60	0.18	-0.01	13.83
2,798.94	0.81	132.14	2,798.55	14.82	32.91	-14.82	0.16	0.06	10.45
2,894.16	0.87	144.09	2,893.76	13.78	33.83	-13.78	0.19	0.06	12.55
2,989.38	1.45	117.18	2,988.96	12.64	35.33	-12.64	0.82	0.61	-28.26
3,084.60	2.03	97.27	3,084.14	11.88	38.07	-11.88	0.87	0.61	-20.91
3,179.82	2.13	119.03	3,179.29	10.81	41.30	-10.81	0.83	0.11	22.85
3,275.04	2.24	137.79	3,274.45	8.57	44.09	-8.57	0.76	0.12	19.70
3,370.26	1.52	128.55	3,369.61	6.40	46.33	-6.40	0.82	-0.76	-9.70
3,465.48	0.81	119.31	3,464.81	5.29	47.91	-5.29	0.77	-0.75	-9.70
3,560.70	1.91	114.07	3,560.01	4.31	49.94	-4.31	1.16	1.16	-5.50
3,655.92	3.01	138.84	3,655.14	1.78	53.04	-1.78	1.58	1.16	26.01
3,751.14	3.24	122.28	3,750.22	-1.54	56.96	1.54	0.97	0.24	-17.39
3,846.36	3.47	127.72	3,845.28	-4.74	61.51	4.74	0.41	0.24	5.71
3,941.58	3.60	136.89	3,940.32	-8.68	65.83	8.68	0.61	0.14	9.63
4,036.80	3.72	124.05	4,035.34	-12.60	70.44	12.60	0.87	0.13	-13.48
4,132.02	2.70	128.71	4,130.41	-15.73	74.74	15.73	1.10	-1.07	4.89
4,227.24	1.69	101.38	4,225.56	-17.41	77.87	17.41	1.50	-1.06	-28.70
4,322.46	1.51	134.74	4,320.75	-18.57	80.14	18.57	0.98	-0.19	35.03
4,417.68	1.32	168.10	4,415.94	-20.52	81.26	20.52	0.87	-0.20	35.03
4,512.90	1.14	159.39	4,511.14	-22.48	81.82	22.48	0.27	-0.19	-9.15
4,608.12	0.96	150.68	4,606.34	-24.07	82.54	24.07	0.25	-0.19	-9.15
4,703.34	0.88	153.83	4,701.55	-25.42	83.25	25.42	0.10	-0.08	3.31
4,798.56	0.80	154.99	4,796.76	-26.68	83.86	26.68	0.09	-0.08	1.22

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE-2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 MULTI User DB

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,893.78	0.77	132.33	4,891.97	-27.71	84.61	27.71	0.33	-0.03	-23.80
4,989.00	0.74	109.67	4,987.18	-28.35	85.66	28.35	0.31	-0.03	-23.80
5,084.22	0.49	108.20	5,082.40	-28.68	86.63	28.68	0.26	-0.26	-1.54
5,179.44	0.24	114.73	5,177.62	-28.89	87.20	28.89	0.27	-0.26	6.86
5,274.66	0.32	170.70	5,272.84	-29.24	87.42	29.24	0.29	0.08	58.78
5,369.88	0.39	226.67	5,368.05	-29.72	87.23	29.72	0.36	0.07	58.78
5,465.10	0.46	258.20	5,463.27	-30.02	86.62	30.02	0.25	0.07	33.11
5,560.32	0.53	289.73	5,558.49	-29.95	85.83	29.95	0.29	0.07	33.11
5,655.54	0.55	315.18	5,653.70	-29.48	85.09	29.48	0.25	0.02	26.73
5,750.76	0.58	320.63	5,748.92	-28.78	84.46	28.78	0.06	0.03	5.72
5,845.98	0.55	334.93	5,844.14	-28.00	83.97	28.00	0.15	-0.03	15.02
5,941.20	0.53	341.24	5,939.35	-27.17	83.63	27.17	0.07	-0.02	6.63
6,036.42	0.74	5.64	6,034.57	-26.14	83.55	26.14	0.35	0.22	25.62
6,131.64	0.96	30.04	6,129.77	-24.83	84.01	24.83	0.44	0.23	25.62
6,226.86	0.84	333.99	6,224.98	-23.52	84.10	23.52	0.90	-0.13	-58.86
6,322.08	0.73	277.94	6,320.20	-22.81	83.19	22.81	0.78	-0.12	-58.86
6,417.30	0.76	263.59	6,415.41	-22.79	81.97	22.79	0.20	0.03	-15.07
6,512.52	0.80	249.23	6,510.62	-23.10	80.72	23.10	0.21	0.04	-15.08
6,607.74	0.96	254.65	6,605.83	-23.55	79.33	23.55	0.19	0.17	5.69
6,702.96	1.12	281.07	6,701.03	-23.58	77.64	23.58	0.53	0.17	27.75
6,798.18	1.29	291.84	6,796.23	-23.00	75.74	23.00	0.30	0.18	11.31
6,893.40	1.47	253.62	6,891.43	-22.95	73.57	22.95	0.97	0.19	-40.14
6,988.62	1.46	216.03	6,986.62	-24.27	71.68	24.27	0.99	-0.01	-39.48
7,083.84	1.46	188.44	7,081.81	-26.45	70.79	26.45	0.73	0.00	-28.98
7,179.06	1.39	194.93	7,177.00	-28.77	70.32	28.77	0.18	-0.07	6.82
7,274.28	1.31	231.42	7,272.19	-30.56	69.17	30.56	0.89	-0.08	38.32
7,369.50	1.58	265.15	7,367.39	-31.35	67.01	31.35	0.92	0.28	35.42
7,464.72	1.85	293.87	7,462.56	-30.84	64.30	30.84	0.93	0.28	30.16
7,559.94	1.70	324.06	7,557.74	-29.08	62.06	29.08	0.98	-0.16	31.71
7,655.16	1.56	341.24	7,652.92	-26.71	60.82	26.71	0.53	-0.15	18.04
7,750.38	1.73	310.81	7,748.11	-24.54	59.31	24.54	0.92	0.18	-31.96
7,845.60	1.89	282.38	7,843.28	-23.26	56.69	23.26	0.95	0.17	-29.86
7,940.82	1.75	274.19	7,938.45	-22.82	53.71	22.82	0.31	-0.15	-8.60
8,036.04	1.61	282.00	8,033.63	-22.44	50.95	22.44	0.28	-0.15	8.20
8,131.26	1.28	290.98	8,128.82	-21.78	48.65	21.78	0.42	-0.35	9.43
8,226.48	0.95	275.96	8,224.02	-21.31	46.87	21.31	0.46	-0.35	-15.77
8,321.70	1.12	288.78	8,319.23	-20.93	45.20	20.93	0.30	0.18	13.46
8,416.92	1.30	247.60	8,414.43	-21.04	43.32	21.04	0.91	0.19	-43.25
8,512.14	1.20	276.76	8,509.63	-21.34	41.33	21.34	0.67	-0.11	30.62
8,607.36	1.09	305.93	8,604.83	-20.69	39.61	20.69	0.62	-0.12	30.63
8,702.58	1.29	274.17	8,700.03	-20.08	37.81	20.08	0.71	0.21	-33.35
8,797.80	1.49	249.41	8,795.22	-20.44	35.58	20.44	0.66	0.21	-26.00
8,893.02	2.11	226.84	8,890.40	-22.07	33.14	22.07	0.98	0.65	-23.70
8,988.24	2.73	211.28	8,985.53	-25.21	30.68	25.21	0.94	0.65	-16.34

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 MULTI User DB

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,083.46	3.29	201.26	9,080.62	-29.69	28.52	29.69	0.80	0.59	-10.52
9,178.68	3.85	191.24	9,175.66	-35.38	26.90	35.38	0.88	0.59	-10.52
9,273.90	3.83	204.27	9,270.66	-41.41	24.97	41.41	0.91	-0.02	13.68
9,369.12	3.81	217.31	9,365.67	-46.83	21.75	46.83	0.91	-0.02	13.69
9,464.34	3.17	228.22	9,460.72	-51.10	17.87	51.10	0.97	-0.67	11.46
9,559.56	1.40	235.46	9,555.86	-53.51	14.95	53.51	1.88	-1.86	7.60
9,654.78	0.94	232.44	9,651.06	-54.65	13.37	54.65	0.49	-0.48	-3.17
9,750.00	0.87	244.16	9,746.27	-55.44	12.10	55.44	0.21	-0.07	12.31
9,816.00	0.53	263.24	9,812.26	-55.69	11.34	55.69	0.62	-0.52	28.91
9,848.00	1.67	211.21	9,844.26	-56.11	10.96	56.11	4.40	3.56	-162.59
9,880.00	5.54	200.14	9,876.19	-57.96	10.18	57.96	12.23	12.09	-34.59
9,911.00	9.67	197.50	9,906.91	-61.85	8.88	61.85	13.37	13.32	-8.52
9,943.00	12.93	198.38	9,938.28	-67.81	6.95	67.81	10.20	10.19	2.75
9,975.00	16.53	198.38	9,969.23	-75.53	4.38	75.53	11.25	11.25	0.00
10,007.00	20.49	200.49	9,999.57	-85.10	0.98	85.10	12.55	12.38	6.59
10,039.00	24.45	200.14	10,029.13	-96.57	-3.26	96.57	12.38	12.38	-1.09
10,070.00	28.14	198.38	10,056.92	-109.53	-7.78	109.53	12.16	11.90	-5.68
10,100.00	26.38	205.41	10,083.59	-122.27	-12.87	122.27	12.22	-5.87	23.43
10,131.00	23.65	212.97	10,111.69	-133.71	-19.21	133.71	13.55	-8.81	24.39
10,162.00	22.95	218.77	10,140.16	-143.64	-26.38	143.64	7.73	-2.26	18.71
10,194.00	25.15	214.20	10,169.39	-154.13	-34.11	154.13	9.00	6.88	-14.28
10,226.00	29.19	210.51	10,197.85	-166.49	-41.90	166.49	13.67	12.63	-11.53
10,257.00	33.94	208.22	10,224.26	-180.63	-49.83	180.63	15.80	15.32	-7.39
10,289.00	39.48	208.22	10,249.90	-197.48	-58.87	197.48	17.31	17.31	0.00
10,321.00	44.85	209.63	10,273.61	-216.27	-69.27	216.27	17.04	16.78	4.41
10,352.00	49.42	209.81	10,294.70	-236.00	-80.53	236.00	14.75	14.74	0.58
10,384.00	54.87	208.40	10,314.33	-258.07	-92.81	258.07	17.38	17.03	-4.41
10,416.00	60.06	206.47	10,331.53	-282.01	-105.22	282.01	17.00	16.22	-6.03
10,448.00	64.81	204.01	10,346.34	-307.66	-117.30	307.66	16.33	14.84	-7.69
10,480.00	69.91	201.02	10,358.65	-334.94	-128.59	334.94	18.12	15.94	-9.34
10,511.00	72.28	199.79	10,368.70	-362.42	-138.81	362.42	8.52	7.65	-3.97
10,543.00	73.25	198.20	10,378.18	-391.32	-148.76	391.32	5.63	3.03	-4.97
10,575.00	75.18	197.85	10,386.88	-420.60	-158.29	420.60	6.12	6.03	-1.09
10,607.00	77.03	198.03	10,394.57	-450.15	-167.85	450.15	5.81	5.78	0.56
10,638.00	78.96	197.33	10,401.02	-479.04	-177.06	479.04	6.61	6.23	-2.26
10,670.00	80.37	197.15	10,406.76	-509.11	-186.39	509.11	4.44	4.41	-0.56
10,702.00	82.83	196.97	10,411.43	-539.37	-195.68	539.37	7.71	7.69	-0.56
10,751.00	82.83	196.97	10,417.55	-585.87	-209.87	585.87	0.01	0.01	0.00
Projection to Bit									

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.1 MULTI User DB

Project:	Eddy County, NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	Cotton Draw Unit
Site Position:	Northing: 419,194.51 usft Latitude: 32° 9' 3.901 N
From: Map	Easting: 722,955.98 usft Longitude: 103° 44' 47.345 W
Position Uncertainty: 0.00 usft	Slot Radius: 13-3/16 " Grid Convergence: 0.31 °

Well:	125H
Well Position	+N/-S 0.00 usft Northing: 429,901.47 usft Latitude: 32° 10' 49.821 N
	+E/-W 0.00 usft Easting: 723,552.16 usft Longitude: 103° 44' 39.729 W
Position Uncertainty	0.00 usft Wellhead Elevation: usft Ground Level: 3,502.00 usft

Wellbore:	ST02
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/20/2013	7.43	60.07	48,378

Design:	ST02			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 9,750.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	180.00

Survey Program		Date	9/19/2013	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
132.78	9,750.00	Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
9,852.00	14,814.00	Survey #1 (ST02)	LEAM MWD	MWD - Standard
14,950.00	14,950.00	Survey #2 (ST02)	Project	Projection

Survey	Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	132.78	0.46	27.51	132.78	0.47	0.25	-0.47	0.35	0.35	0.00
	228.00	0.79	47.23	227.99	1.26	0.90	-1.26	0.41	0.35	20.71
	323.22	0.96	44.48	323.20	2.27	1.95	-2.27	0.18	0.18	-2.89
	418.44	1.13	39.73	418.41	3.56	3.10	-3.56	0.20	0.18	-4.99
	513.66	1.15	41.93	513.61	5.00	4.34	-5.00	0.05	0.02	2.31
	608.88	1.16	42.13	608.81	6.42	5.63	-6.42	0.01	0.01	0.21
	704.10	1.17	46.14	704.01	7.81	6.98	-7.81	0.09	0.01	4.21
	799.32	1.17	48.16	799.21	9.13	8.40	-9.13	0.04	0.00	2.12

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.1 MULTI User DB

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
894.54	1.30	45.06	894.41	10.54	9.89	-10.54	0.15	0.14	-3.26
989.76	1.42	41.95	989.60	12.18	11.44	-12.18	0.15	0.13	-3.27
1,084.98	1.13	43.84	1,084.80	13.74	12.88	-13.74	0.31	-0.30	1.98
1,180.20	0.84	39.73	1,180.00	14.95	13.98	-14.95	0.31	-0.30	-4.32
1,275.42	0.81	56.05	1,275.21	15.87	14.98	-15.87	0.25	-0.03	17.14
1,370.64	0.79	72.36	1,370.42	16.44	16.17	-16.44	0.24	-0.02	17.13
1,465.86	0.88	135.35	1,465.63	16.12	17.31	-16.12	0.92	0.09	66.15
1,561.08	0.97	196.35	1,560.84	14.83	17.59	-14.83	0.99	0.09	64.06
1,656.30	1.05	145.52	1,656.05	13.33	17.86	-13.33	0.91	0.08	-53.38
1,751.52	1.13	105.70	1,751.26	12.36	19.26	-12.36	0.78	0.08	-41.82
1,846.74	1.01	56.80	1,846.46	12.57	20.86	-12.57	0.94	-0.13	-51.35
1,941.96	0.90	40.89	1,941.67	13.59	22.06	-13.59	0.30	-0.12	-16.71
2,037.18	1.03	28.04	2,036.87	14.91	22.95	-14.91	0.26	0.14	-13.50
2,132.40	1.17	45.18	2,132.08	16.35	24.04	-16.35	0.37	0.15	18.00
2,227.62	0.97	96.09	2,227.28	16.95	25.53	-16.95	0.98	-0.21	53.47
2,322.84	0.78	101.00	2,322.49	16.74	26.97	-16.74	0.21	-0.20	5.16
2,418.06	0.78	98.43	2,417.70	16.52	28.25	-16.52	0.04	0.00	-2.70
2,513.28	0.77	93.86	2,512.91	16.39	29.53	-16.39	0.07	-0.01	-4.80
2,608.50	0.76	109.02	2,608.12	16.14	30.76	-16.14	0.21	-0.01	15.92
2,703.72	0.75	122.19	2,703.34	15.60	31.89	-15.60	0.18	-0.01	13.83
2,798.94	0.81	132.14	2,798.55	14.82	32.91	-14.82	0.16	0.06	10.45
2,894.16	0.87	144.09	2,893.76	13.78	33.83	-13.78	0.19	0.06	12.55
2,989.38	1.45	117.18	2,988.96	12.64	35.33	-12.64	0.82	0.61	-28.26
3,084.60	2.03	97.27	3,084.14	11.88	38.07	-11.88	0.87	0.61	-20.91
3,179.82	2.13	119.03	3,179.29	10.81	41.30	-10.81	0.83	0.11	22.85
3,275.04	2.24	137.79	3,274.45	8.57	44.09	-8.57	0.76	0.12	19.70
3,370.26	1.52	128.55	3,369.61	6.40	46.33	-6.40	0.82	-0.76	-9.70
3,465.48	0.81	119.31	3,464.81	5.29	47.91	-5.29	0.77	-0.75	-9.70
3,560.70	1.91	114.07	3,560.01	4.31	49.94	-4.31	1.16	1.16	-5.50
3,655.92	3.01	138.84	3,655.14	1.78	53.04	-1.78	1.58	1.16	26.01
3,751.14	3.24	122.28	3,750.22	-1.54	56.96	1.54	0.97	0.24	-17.39
3,846.36	3.47	127.72	3,845.28	-4.74	61.51	4.74	0.41	0.24	5.71
3,941.58	3.60	136.89	3,940.32	-8.68	65.83	8.68	0.61	0.14	9.63
4,036.80	3.72	124.05	4,035.34	-12.60	70.44	12.60	0.87	0.13	-13.48
4,132.02	2.70	128.71	4,130.41	-15.73	74.74	15.73	1.10	-1.07	4.89
4,227.24	1.69	101.38	4,225.56	-17.41	77.87	17.41	1.50	-1.06	-28.70
4,322.46	1.51	134.74	4,320.75	-18.57	80.14	18.57	0.98	-0.19	35.03
4,417.68	1.32	168.10	4,415.94	-20.52	81.26	20.52	0.87	-0.20	35.03
4,512.90	1.14	159.39	4,511.14	-22.48	81.82	22.48	0.27	-0.19	-9.15
4,608.12	0.96	150.68	4,606.34	-24.07	82.54	24.07	0.25	-0.19	-9.15
4,703.34	0.88	153.83	4,701.55	-25.42	83.25	25.42	0.10	-0.08	3.31
4,798.56	0.80	154.99	4,796.76	-26.68	83.86	26.68	0.09	-0.08	1.22
4,893.78	0.77	132.33	4,891.97	-27.71	84.61	27.71	0.33	-0.03	-23.80

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.1 MULTI User DB

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,989.00	0.74	109.67	4,987.18	-28.35	85.66	28.35	0.31	-0.03	-23.80
5,084.22	0.49	108.20	5,082.40	-28.68	86.63	28.68	0.26	-0.26	-1.54
5,179.44	0.24	114.73	5,177.62	-28.89	87.20	28.89	0.27	-0.26	6.86
5,274.66	0.32	170.70	5,272.84	-29.24	87.42	29.24	0.29	0.08	58.78
5,369.88	0.39	226.67	5,368.05	-29.72	87.23	29.72	0.36	0.07	58.78
5,465.10	0.46	258.20	5,463.27	-30.02	86.62	30.02	0.25	0.07	33.11
5,560.32	0.53	289.73	5,558.49	-29.95	85.83	29.95	0.29	0.07	33.11
5,655.54	0.55	315.18	5,653.70	-29.48	85.09	29.48	0.25	0.02	26.73
5,750.76	0.58	320.63	5,748.92	-28.78	84.46	28.78	0.06	0.03	5.72
5,845.98	0.55	334.93	5,844.14	-28.00	83.97	28.00	0.15	-0.03	15.02
5,941.20	0.53	341.24	5,939.35	-27.17	83.63	27.17	0.07	-0.02	6.63
6,036.42	0.74	5.64	6,034.57	-26.14	83.55	26.14	0.35	0.22	25.62
6,131.64	0.96	30.04	6,129.77	-24.83	84.01	24.83	0.44	0.23	25.62
6,226.86	0.84	333.99	6,224.98	-23.52	84.10	23.52	0.90	-0.13	-58.86
6,322.08	0.73	277.94	6,320.20	-22.81	83.19	22.81	0.78	-0.12	-58.86
6,417.30	0.76	263.59	6,415.41	-22.79	81.97	22.79	0.20	0.03	-15.07
6,512.52	0.80	249.23	6,510.62	-23.10	80.72	23.10	0.21	0.04	-15.08
6,607.74	0.96	254.65	6,605.83	-23.55	79.33	23.55	0.19	0.17	5.69
6,702.96	1.12	281.07	6,701.03	-23.58	77.64	23.58	0.53	0.17	27.75
6,798.18	1.29	291.84	6,796.23	-23.00	75.74	23.00	0.30	0.18	11.31
6,893.40	1.47	253.62	6,891.43	-22.95	73.57	22.95	0.97	0.19	-40.14
6,988.62	1.46	216.03	6,986.62	-24.27	71.68	24.27	0.99	-0.01	-39.48
7,083.84	1.46	188.44	7,081.81	-26.45	70.79	26.45	0.73	0.00	-28.98
7,179.06	1.39	194.93	7,177.00	-28.77	70.32	28.77	0.18	-0.07	6.82
7,274.28	1.31	231.42	7,272.19	-30.56	69.17	30.56	0.89	-0.08	38.32
7,369.50	1.58	265.15	7,367.39	-31.35	67.01	31.35	0.92	0.28	35.42
7,464.72	1.85	293.87	7,462.56	-30.84	64.30	30.84	0.93	0.28	30.16
7,559.94	1.70	324.06	7,557.74	-29.08	62.06	29.08	0.98	-0.16	31.71
7,655.16	1.56	341.24	7,652.92	-26.71	60.82	26.71	0.53	-0.15	18.04
7,750.38	1.73	310.81	7,748.11	-24.54	59.31	24.54	0.92	0.18	-31.96
7,845.60	1.89	282.38	7,843.28	-23.26	56.69	23.26	0.95	0.17	-29.86
7,940.82	1.75	274.19	7,938.45	-22.82	53.71	22.82	0.31	-0.15	-8.60
8,036.04	1.61	282.00	8,033.63	-22.44	50.95	22.44	0.28	-0.15	8.20
8,131.26	1.28	290.98	8,128.82	-21.78	48.65	21.78	0.42	-0.35	9.43
8,226.48	0.95	275.96	8,224.02	-21.31	46.87	21.31	0.46	-0.35	-15.77
8,321.70	1.12	288.78	8,319.23	-20.93	45.20	20.93	0.30	0.18	13.46
8,416.92	1.30	247.60	8,414.43	-21.04	43.32	21.04	0.91	0.19	-43.25
8,512.14	1.20	276.76	8,509.63	-21.34	41.33	21.34	0.67	-0.11	30.62
8,607.36	1.09	305.93	8,604.83	-20.69	39.61	20.69	0.62	-0.12	30.63
8,702.58	1.29	274.17	8,700.03	-20.08	37.81	20.08	0.71	0.21	-33.35
8,797.80	1.49	249.41	8,795.22	-20.44	35.58	20.44	0.66	0.21	-26.00
8,893.02	2.11	226.84	8,890.40	-22.07	33.14	22.07	0.98	0.65	-23.70
8,988.24	2.73	211.28	8,985.53	-25.21	30.68	25.21	0.94	0.65	-16.34

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.1 MULTI User DB

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,083.46	3.29	201.26	9,080.62	-29.69	28.52	29.69	0.80	0.59	-10.52
9,178.68	3.85	191.24	9,175.66	-35.38	26.90	35.38	0.88	0.59	-10.52
9,273.90	3.83	204.27	9,270.66	-41.41	24.97	41.41	0.91	-0.02	13.68
9,369.12	3.81	217.31	9,365.67	-46.83	21.75	46.83	0.91	-0.02	13.69
9,464.34	3.17	228.22	9,460.72	-51.10	17.87	51.10	0.97	-0.67	11.46
9,559.56	1.40	235.46	9,555.86	-53.51	14.95	53.51	1.88	-1.86	7.60
9,654.78	0.94	232.44	9,651.06	-54.65	13.37	54.65	0.49	-0.48	-3.17
9,750.00	0.87	244.16	9,746.27	-55.44	12.10	55.44	0.21	-0.07	12.31
9,852.00	10.73	227.91	9,847.62	-62.16	4.34	62.16	9.70	9.67	-15.93
9,884.00	13.98	231.95	9,878.88	-66.54	-0.92	66.54	10.50	10.16	12.63
9,915.00	17.41	230.72	9,908.72	-71.78	-7.46	71.78	11.12	11.06	-3.97
9,947.00	20.93	233.01	9,938.94	-78.25	-15.73	78.25	11.25	11.00	7.16
9,979.00	24.09	232.13	9,968.50	-85.70	-25.46	85.70	9.93	9.88	-2.75
10,011.00	26.91	232.66	9,997.38	-94.11	-36.37	94.11	8.84	8.81	1.66
10,043.00	28.75	233.36	10,025.67	-103.09	-48.31	103.09	5.84	5.75	2.19
10,074.00	30.51	233.36	10,052.62	-112.24	-60.60	112.24	5.68	5.68	0.00
10,106.00	32.27	233.18	10,079.93	-122.21	-73.96	122.21	5.51	5.50	-0.56
10,138.00	34.82	233.01	10,106.60	-132.83	-88.10	132.83	7.97	7.97	-0.53
10,168.00	37.11	232.31	10,130.88	-143.51	-102.10	143.51	7.76	7.63	-2.33
10,200.00	40.54	231.43	10,155.81	-155.90	-117.88	155.90	10.86	10.72	-2.75
10,232.00	43.97	231.08	10,179.49	-169.37	-134.66	169.37	10.74	10.72	-1.09
10,263.00	46.43	230.72	10,201.33	-183.24	-151.73	183.24	7.98	7.94	-1.16
10,295.00	49.95	230.20	10,222.66	-198.43	-170.12	198.43	11.07	11.00	-1.63
10,327.00	53.90	228.97	10,242.39	-214.76	-189.29	214.76	12.71	12.34	-3.84
10,358.00	56.98	226.51	10,259.98	-231.93	-208.17	231.93	11.89	9.94	-7.94
10,390.00	58.56	222.99	10,277.05	-251.16	-227.21	251.16	10.53	4.94	-11.00
10,422.00	60.76	220.35	10,293.21	-271.79	-245.57	271.79	9.90	6.88	-8.25
10,454.00	62.78	217.19	10,308.35	-293.77	-263.21	293.77	10.75	6.31	-9.88
10,486.00	65.16	213.85	10,322.40	-317.17	-279.91	317.17	11.97	7.44	-10.44
10,517.00	67.01	210.16	10,334.97	-341.20	-294.92	341.20	12.41	5.97	-11.90
10,549.00	68.41	206.29	10,347.11	-367.28	-308.91	367.28	12.01	4.38	-12.09
10,581.00	69.73	202.77	10,358.54	-394.47	-321.31	394.47	11.07	4.13	-11.00
10,613.00	71.58	199.08	10,369.14	-422.66	-332.09	422.66	12.32	5.78	-11.53
10,637.00	73.86	196.78	10,376.27	-444.47	-339.14	444.47	13.19	9.50	-9.58
10,669.00	76.33	193.79	10,384.51	-474.29	-347.29	474.29	11.88	7.72	-9.34
10,701.00	79.23	191.86	10,391.28	-504.78	-354.22	504.78	10.81	9.06	-6.03
10,732.00	80.90	189.04	10,396.63	-534.81	-359.76	534.81	10.45	5.39	-9.10
10,764.00	83.01	185.70	10,401.11	-566.22	-363.82	566.22	12.26	6.59	-10.44
10,796.00	84.94	182.72	10,404.47	-597.96	-366.16	597.96	11.05	6.03	-9.31
10,827.00	86.70	180.25	10,406.73	-628.86	-366.96	628.86	9.77	5.68	-7.97
10,923.00	88.90	178.15	10,410.41	-724.77	-365.62	724.77	3.17	2.29	-2.19
11,017.00	90.04	178.67	10,411.28	-818.73	-363.01	818.73	1.33	1.21	0.55
11,112.00	91.19	178.85	10,410.26	-913.70	-360.95	913.70	1.23	1.21	0.19
11,207.00	92.59	179.73	10,407.13	-1,008.63	-359.77	1,008.63	1.74	1.47	0.93

LEAM Drilling Systems LLC

Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well 125H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Site:	Cotton Draw Unit	MD Reference:	GE 2530' + KB 28' @ 3530.00usft (Permitting)
Well:	125H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.1 MULTI User DB

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,302.00	92.68	177.62	10,402.76	-1,103.50	-357.58	1,103.50	2.22	0.09	-2.22
11,396.00	90.66	177.62	10,400.02	-1,197.38	-353.68	1,197.38	2.15	-2.15	0.00
11,492.00	88.55	176.74	10,400.68	-1,293.25	-348.96	1,293.25	2.38	-2.20	-0.92
11,587.00	88.90	176.39	10,402.80	-1,388.06	-343.27	1,388.06	0.52	0.37	-0.37
11,682.00	89.69	176.39	10,403.97	-1,482.86	-337.28	1,482.86	0.83	0.83	0.00
11,777.00	90.75	176.21	10,403.60	-1,577.66	-331.15	1,577.66	1.13	1.12	-0.19
11,873.00	91.80	176.04	10,401.47	-1,673.42	-324.67	1,673.42	1.11	1.09	-0.18
11,969.00	92.77	178.32	10,397.64	-1,769.22	-319.95	1,769.22	2.58	1.01	2.38
12,062.00	92.24	179.90	10,393.57	-1,862.11	-318.51	1,862.11	1.79	-0.57	1.70
12,156.00	91.01	180.61	10,390.91	-1,956.07	-318.92	1,956.07	1.51	-1.31	0.76
12,250.00	89.52	180.78	10,390.47	-2,050.06	-320.06	2,050.06	1.60	-1.59	0.18
12,344.00	91.50	181.13	10,389.64	-2,144.04	-321.63	2,144.04	2.14	2.11	0.37
12,439.00	90.57	181.13	10,387.92	-2,239.00	-323.50	2,239.00	0.98	-0.98	0.00
12,534.00	89.43	182.19	10,387.92	-2,333.96	-326.26	2,333.96	1.64	-1.20	1.12
12,629.00	86.50	182.54	10,391.29	-2,428.81	-330.17	2,428.81	3.11	-3.08	0.37
12,724.00	87.05	182.36	10,396.64	-2,523.57	-334.23	2,523.57	0.61	0.58	-0.19
12,820.00	88.20	182.36	10,400.62	-2,619.41	-338.18	2,619.41	1.20	1.20	0.00
12,915.00	90.13	182.72	10,402.00	-2,714.30	-342.39	2,714.30	2.07	2.03	0.38
13,010.00	89.69	181.66	10,402.15	-2,809.23	-346.02	2,809.23	1.21	-0.46	-1.12
13,105.00	89.25	178.85	10,403.03	-2,904.21	-346.44	2,904.21	2.99	-0.46	-2.96
13,199.00	90.48	178.15	10,403.25	-2,998.18	-343.98	2,998.18	1.51	1.31	-0.74
13,295.00	89.60	179.55	10,403.18	-3,094.16	-342.05	3,094.16	1.72	-0.92	1.46
13,391.00	87.14	181.13	10,405.91	-3,190.10	-342.62	3,190.10	3.05	-2.56	1.65
13,486.00	86.70	181.31	10,411.02	-3,284.95	-344.64	3,284.95	0.50	-0.46	0.19
13,580.00	87.41	180.78	10,415.85	-3,378.81	-346.35	3,378.81	0.94	0.76	-0.56
13,675.00	88.20	180.61	10,419.49	-3,473.73	-347.50	3,473.73	0.85	0.83	-0.18
13,770.00	88.29	179.20	10,422.40	-3,568.68	-347.35	3,568.68	1.49	0.09	-1.48
13,865.00	89.60	179.02	10,424.14	-3,663.65	-345.87	3,663.65	1.39	1.38	-0.19
13,960.00	90.31	177.62	10,424.22	-3,758.61	-343.09	3,758.61	1.65	0.75	-1.47
14,056.00	90.40	176.04	10,423.62	-3,854.46	-337.78	3,854.46	1.65	0.09	-1.65
14,150.00	90.04	176.56	10,423.26	-3,948.26	-331.71	3,948.26	0.67	-0.38	0.55
14,246.00	91.01	177.44	10,422.38	-4,044.12	-326.69	4,044.12	1.36	1.01	0.92
14,341.00	93.03	179.90	10,419.03	-4,139.02	-324.48	4,139.02	3.35	2.13	2.59
14,435.00	92.77	182.19	10,414.28	-4,232.88	-326.20	4,232.88	2.45	-0.28	2.44
14,529.00	93.21	182.36	10,409.38	-4,326.68	-329.92	4,326.68	0.50	0.47	0.18
14,624.00	92.77	182.89	10,404.42	-4,421.45	-334.27	4,421.45	0.72	-0.46	0.56
14,720.00	91.36	182.01	10,400.96	-4,517.30	-338.37	4,517.30	1.73	-1.47	-0.92
14,814.00	91.71	181.49	10,398.44	-4,611.22	-341.24	4,611.22	0.67	0.37	-0.55
14,950.00	91.71	181.49	10,394.38	-4,747.11	-344.77	4,747.11	0.00	0.00	0.00
Projectio to Bit									