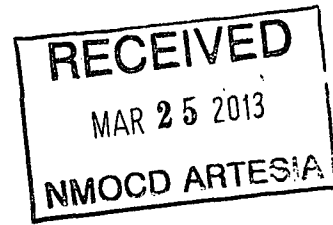




PHOENIX
TECHNOLOGY SERVICES

March 20, 2013



Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

Dear District 2 - Artesia

Re: Legend Natural Gas
Full Choke Com 2H
Eddy Co., NM
API #30-015-40906
Job No. 1310197

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Eric W. Blandin	2H	2,561	12,641	03/02/2013	03/10/2013	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Kelly Jo Walter

Kelly Jo Walter
Operations Administrator

Certified mail receipt _____

Phoenix Technology Services
SURVEY DATA CERTIFICATION

RECEIVED

MAR 25 2013

NMOCD ARTESIA



PHOENIX
TECHNOLOGY SERVICES

PHOENIX JOB NUMBER 1310197

OPERATOR Legend Natural Gas

WELL NAME Full Choke Com 2H

COUNTY & STATE

Eddy County, New Mexico

API WELL NUMBER 30-015-40906

PROPOSED DIRECTION 359.86

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
2,485 ft	2,479.53 ft	7.2 ft	50.3 ft	76.12 ft	92.39 ft	Multi-Shot Gyro

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
2-Mar-13	2,561 ft	7.2	66.2

SURVEY INSTRUMENT

TYPE

Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
10-Mar-13	12,641 ft	90.6	1.8

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED	PROJECTED		
TD SURVEY	TD SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
10-Mar-13	12,696 ft	90.6	1.8

Eric W Blandin

PRINT YOUR NAME ABOVE

Eric W Blandin

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	
7.53	
DECLINATION OR GRID	GRID

3-10-13

TODAY'S DATE

MWD SUPERVISOR 1

Eric Blandin

DIRECTIONAL DRILLER 1

Vinn Adams

MWD SUPERVISOR 2

Justin Riley

DIRECTIONAL DRILLER 2

Fernando Cano

1805 Brittmore Road

Houston, Texas 77043

(713)3370609 (Voice), (713)337-0599 (Fax)



Legend Natural Gas iV, LP

Eddy County, NM (Nad83)

Section 32 T24S R28E

Full Choke Com 2H

Job#: 1310197

Design: Rig: Pat 444

Survey Report

11 March, 2013

Survey Report

Company:	Legend Natural Gas IV LP	Local Co-ordinate Reference:	Well Full Choke Com 2H
Project:	Eddy County, NM (Nad83)	TVD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Site:	Section 32 T24S R28E	MD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Well:	Full Choke Com 2H	North Reference:	Grid
Wellbore:	Job# 1310197	Survey Calculation Method:	Minimum Curvature
Design:	Rig Pat 444	Database:	GCR DB v5000

Project: Eddy County, NM (Nad83)			
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Section 32 T24S R28E			
Site Position:		Northing:	424,718.28 usft	Latitude:	32° 10' 2.797129 N
From:	Map	Easting:	608,279.72 usft	Longitude:	104° 7' 1.158566 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.12 °

Well		Full Choke Com 2H				
Well Position	+N/-S	0.00 usft	Northing:	424,718.28 usft	Latitude:	32° 10' 2.797129 N
	+E/-W	0.00 usft	Easting:	608,279.72 usft	Longitude:	104° 7' 1.158566 W
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	3,020.00 usft

Wellbore		Job# 1310197			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	12/06/12	7.65	60.00	48,377

Design:		Rig: Pat 444			
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	359.86

Survey Report

Company:	Legend Natural Gas IV, LP	Local Co-ordinate Reference:	Well Full Choke Com 2H
Project:	Eddy County, NM (Nad83)	TVD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Site:	Section 32 T24S R28E	MD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Well:	Full Choke Com 2H	North Reference:	Grid
Wellbore:	Job#: 1310197	Survey Calculation Method:	Minimum Curvature
Design:	Rig: Pat 444	Database:	GCR DB v5000

Survey Program		Date 03/11/13		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
200.00	2,485.00	Gyro Surveys (Job#: 1310197)	MWD	MWD - Standard
2,561.00	12,696.00	Phoenix MWD Surveys (Job#: 1310197)	MWD	MWD - Standard

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	-3,043.00	0.00	0.00	0.00	0.00	0.00	424,718.28	608,279.72
200.00	1.36	23.85	-2,843.02	199.98	2.17	0.96	2.17	0.68	424,720.45	608,280.68
400.00	1.13	31.23	-2,643.07	399.93	6.03	2.94	6.02	0.14	424,724.30	608,282.67
600.00	0.55	103.58	-2,443.08	599.92	7.49	4.90	7.48	0.55	424,725.76	608,284.62
800.00	0.99	78.94	-2,243.10	799.90	7.59	7.53	7.58	0.27	424,725.87	608,287.25
1,000.00	0.96	2.30	-2,043.12	999.88	9.60	9.29	9.58	0.60	424,727.88	608,289.01
1,200.00	1.32	48.77	-1,843.16	1,199.84	12.79	11.09	12.77	0.48	424,731.07	608,290.81
1,400.00	1.82	40.15	-1,643.23	1,399.77	16.74	14.87	16.70	0.28	424,735.01	608,294.59
1,600.00	2.25	40.09	-1,443.36	1,599.64	22.17	19.45	22.12	0.22	424,740.45	608,299.17
1,800.00	3.87	58.54	-1,243.65	1,799.35	28.70	27.73	28.63	0.94	424,746.97	608,307.46
2,000.00	7.00	58.04	-1,044.57	1,998.43	38.67	43.83	38.57	1.57	424,756.95	608,323.56
2,200.00	7.43	51.08	-846.15	2,196.85	53.25	64.23	53.09	0.49	424,771.52	608,343.96
2,400.00	7.27	50.97	-647.80	2,395.20	69.34	84.12	69.13	0.08	424,787.62	608,363.85
2,485.00	7.18	50.32	-563.47	2,479.53	76.12	92.39	75.89	0.14	424,794.39	608,372.12
Tie In, 2485'										
2,561.00	7.20	66.20	-488.06	2,554.94	81.07	100.40	80.83	2.61	424,799.35	608,380.13
2,655.00	8.10	69.60	-394.90	2,648.10	85.76	112.00	85.49	1.07	424,804.04	608,391.73
2,750.00	8.20	75.50	-300.86	2,742.14	89.79	124.83	89.48	0.89	424,808.06	608,404.56
2,843.00	7.00	83.60	-208.67	2,834.33	92.08	136.89	91.75	1.73	424,810.36	608,416.61
2,939.00	6.20	87.40	-113.31	2,929.69	92.97	147.88	92.61	0.95	424,811.24	608,427.60
3,034.00	5.50	97.60	-18.80	3,024.20	92.60	157.52	92.21	1.32	424,810.87	608,437.24

Survey Report

Company:	Legend Natural Gas IV, LP	Local Co-ordinate Reference:	Well Full Choke Com 2H
Project:	Eddy County, NM (Nad83)	TVD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Site:	Section 32 T24S R28E	MD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Well:	Full Choke Com 2H	North Reference:	Grid
Wellbore:	Job# 1310197	Survey Calculation Method:	Minimum Curvature
Design:	Rig: Pat 444	Database:	GCR DB v5000

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
3,127.00	5.40	120.30	73.79	3,116.79	89.80	165.71	89.40	2.31	424,808.08	608,445.44	
3,222.00	4.40	136.90	168.45	3,211.45	84.89	172.06	84.46	1.82	424,803.16	608,451.79	
3,316.00	3.00	160.50	262.25	3,305.25	79.93	175.35	79.50	2.17	424,798.21	608,455.07	
3,411.00	1.80	200.40	357.17	3,400.17	76.19	175.66	75.76	2.09	424,794.47	608,455.38	
3,506.00	1.30	267.90	452.15	3,495.15	74.75	174.06	74.33	1.86	424,793.03	608,453.79	
3,600.00	1.00	352.90	546.13	3,589.13	75.53	172.90	75.11	1.67	424,793.80	608,452.62	
3,696.00	0.50	173.40	642.13	3,685.13	75.94	172.84	75.52	1.56	424,794.22	608,452.56	
3,791.00	2.60	190.80	737.09	3,780.09	73.41	172.48	72.99	2.24	424,791.69	608,452.21	
3,885.00	5.10	201.00	830.87	3,873.87	67.42	170.59	67.00	2.75	424,785.69	608,450.31	
3,980.00	6.20	206.90	925.41	3,968.41	58.90	166.75	58.49	1.31	424,777.18	608,446.48	
4,074.00	6.90	210.20	1,018.79	4,061.79	49.49	161.62	49.10	0.85	424,767.77	608,441.34	
4,168.00	7.40	210.20	1,112.06	4,155.06	39.38	155.73	39.00	0.53	424,757.66	608,435.45	
4,263.00	6.90	213.40	1,206.32	4,249.32	29.33	149.51	28.97	0.67	424,747.61	608,429.24	
4,357.00	6.90	213.50	1,299.64	4,342.64	19.91	143.29	19.56	0.01	424,738.18	608,423.01	
4,451.00	6.80	212.70	1,392.97	4,435.97	10.52	137.16	10.18	0.15	424,728.79	608,416.89	
4,545.00	6.80	212.10	1,486.31	4,529.31	1.12	131.20	0.80	0.08	424,719.40	608,410.92	
4,639.00	6.50	210.40	1,579.68	4,622.68	-8.18	125.55	-8.49	0.38	424,710.09	608,405.27	
4,734.00	6.30	209.20	1,674.09	4,717.09	-17.37	120.29	-17.67	0.25	424,700.90	608,400.01	
4,828.00	6.00	209.30	1,767.55	4,810.55	-26.16	115.37	-26.44	0.32	424,692.12	608,395.09	
4,921.00	7.30	204.80	1,859.92	4,902.92	-35.76	110.51	-36.03	1.50	424,682.51	608,390.23	
5,015.00	8.00	203.10	1,953.08	4,996.08	-47.20	105.44	-47.46	0.78	424,671.08	608,385.16	
5,110.00	8.50	204.40	2,047.10	5,090.10	-59.67	99.94	-59.92	0.56	424,658.60	608,379.67	
5,204.00	8.80	204.40	2,140.03	5,183.03	-72.55	94.10	-72.78	0.32	424,645.73	608,373.83	
5,299.00	8.10	211.30	2,234.00	5,277.00	-84.89	87.62	-85.10	1.30	424,633.39	608,367.35	
5,393.00	8.40	207.80	2,327.03	5,370.03	-96.62	80.98	-96.81	0.62	424,621.66	608,360.71	
5,488.00	7.20	205.10	2,421.15	5,464.15	-108.15	75.22	-108.33	1.32	424,610.13	608,354.94	
5,583.00	6.80	203.90	2,515.44	5,558.44	-118.68	70.42	-118.85	0.45	424,599.60	608,350.14	

Survey Report

Company:	Legend Natural Gas IV LP	Local Co-ordinate Reference:	Well Full Choke Com 2H
Project:	Eddy County, NM (Nad83)	TVD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Site:	Section 32, T24S R28E	MD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Well:	Full Choke Com 2H	North Reference:	Grid
Wellbore:	Job# 1310197	Survey Calculation Method:	Minimum Curvature
Design:	Rig Pat 444	Database:	GCR DB v5000

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
5,677.00	6.60	204.10	2,608.80	5,651.80	-128.70	65.95	-128.86	0.21	424,589.58	608,345.68	
5,771.00	6.60	203.70	2,702.17	5,745.17	-138.58	61.58	-138.73	0.05	424,579.70	608,341.30	
5,865.00	6.50	202.10	2,795.56	5,838.56	-148.45	57.40	-148.59	0.22	424,569.82	608,337.13	
5,959.00	7.70	198.30	2,888.84	5,931.84	-159.36	53.43	-159.49	1.37	424,558.91	608,333.15	
6,054.00	9.40	204.80	2,982.78	6,025.78	-172.45	48.17	-172.57	2.06	424,545.83	608,327.90	
6,148.00	10.00	205.30	3,075.44	6,118.44	-186.80	41.46	-186.90	0.64	424,531.48	608,321.19	
6,242.00	8.30	207.50	3,168.24	6,211.24	-200.19	34.84	-200.28	1.85	424,518.08	608,314.57	
6,336.00	5.80	206.40	3,261.52	6,304.52	-210.47	29.60	-210.54	2.66	424,507.81	608,309.32	
6,430.00	4.20	204.80	3,355.16	6,398.16	-217.85	26.04	-217.91	1.71	424,500.43	608,305.77	
6,524.00	4.70	186.60	3,448.88	6,491.88	-224.80	24.16	-224.86	1.59	424,493.48	608,303.88	
6,619.00	6.20	179.90	3,543.45	6,586.45	-233.79	23.72	-233.85	1.71	424,484.48	608,303.44	
6,713.00	6.70	197.00	3,636.86	6,679.86	-244.12	22.12	-244.17	2.10	424,474.16	608,301.85	
6,808.00	5.40	219.80	3,731.34	6,774.34	-252.85	17.64	-252.89	2.85	424,465.42	608,297.36	
6,902.00	4.80	227.00	3,824.97	6,867.97	-258.93	11.93	-258.96	0.93	424,459.34	608,291.66	
6,996.00	3.00	186.60	3,918.77	6,961.77	-264.06	8.77	-264.08	3.38	424,454.22	608,288.50	
7,091.00	2.80	164.90	4,013.65	7,056.65	-268.77	9.09	-268.79	1.17	424,449.51	608,288.82	
7,185.00	1.70	180.30	4,107.58	7,150.58	-272.38	9.68	-272.40	1.33	424,445.90	608,289.41	
7,279.00	1.10	278.00	4,201.56	7,244.56	-273.65	8.78	-273.67	2.28	424,444.63	608,288.51	
7,311.00	1.30	294.00	4,233.55	7,276.55	-273.46	8.15	-273.48	1.21	424,444.82	608,287.87	
7,343.00	1.00	311.20	4,265.54	7,308.54	-273.13	7.60	-273.14	1.42	424,445.15	608,287.33	
7,374.00	1.70	345.80	4,296.54	7,339.54	-272.50	7.29	-272.52	3.37	424,445.77	608,287.01	
7,406.00	4.30	1.10	4,328.49	7,371.49	-270.84	7.19	-270.86	8.43	424,447.43	608,286.92	
7,437.00	6.50	357.10	4,359.35	7,402.35	-267.93	7.13	-267.94	7.20	424,450.35	608,286.85	
7,468.00	9.40	358.00	4,390.05	7,433.05	-263.64	6.95	-263.66	9.36	424,454.63	608,286.67	
7,500.00	12.70	358.60	4,421.45	7,464.45	-257.51	6.77	-257.53	10.32	424,460.76	608,286.50	
7,532.00	15.80	359.00	4,452.46	7,495.46	-249.64	6.61	-249.66	9.69	424,468.64	608,286.33	
7,564.00	19.10	358.60	4,482.99	7,525.99	-240.05	6.41	-240.06	10.32	424,478.23	608,286.13	

Survey Report

Company:	Legend Natural Gas IV LP	Local Co-ordinate Reference:	Well Full Choke Com 2H
Project:	Eddy County NM (Nad83)	TVD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Site:	Section 32 T24S R28E	MD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Well:	Full Choke Com 2H	North Reference:	Grid
Wellbore:	Job# 1310197	Survey Calculation Method:	Minimum Curvature
Design:	Rig Pat 444	Database:	GCR DB v5000

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
7,595.00	22.20	359.00	4,511.99	7,554.99	-229.12	6.18	-229.13	10.01	424,489.16	608,285.90
7,627.00	25.00	359.40	4,541.31	7,584.31	-216.31	6.00	-216.32	8.76	424,501.97	608,285.73
7,658.00	27.50	1.20	4,569.11	7,612.11	-202.60	6.09	-202.62	8.46	424,515.67	608,285.81
7,690.00	29.90	2.60	4,597.18	7,640.18	-187.25	6.60	-187.26	7.79	424,531.03	608,286.33
7,722.00	32.60	3.70	4,624.53	7,667.53	-170.67	7.52	-170.69	8.62	424,547.60	608,287.24
7,753.00	35.50	4.10	4,650.22	7,693.22	-153.36	8.70	-153.38	9.38	424,564.92	608,288.43
7,784.00	38.80	4.80	4,674.92	7,717.92	-134.70	10.16	-134.72	10.73	424,583.58	608,289.88
7,816.00	41.60	4.90	4,699.36	7,742.36	-114.12	11.91	-114.15	8.75	424,604.16	608,291.63
7,847.00	44.00	4.30	4,722.11	7,765.11	-93.12	13.59	-93.16	7.85	424,625.15	608,293.32
7,878.00	47.50	3.40	4,743.73	7,786.73	-70.97	15.08	-71.01	11.48	424,647.30	608,294.80
7,910.00	50.60	1.70	4,764.70	7,807.70	-46.83	16.15	-46.87	10.48	424,671.44	608,295.87
7,942.00	53.60	0.20	4,784.36	7,827.36	-21.59	16.56	-21.63	10.08	424,696.69	608,296.28
7,973.00	55.80	358.60	4,802.27	7,845.27	3.71	16.29	3.67	8.25	424,721.98	608,296.01
8,004.00	57.30	358.40	4,819.36	7,862.36	29.56	15.61	29.52	4.87	424,747.84	608,295.33
8,036.00	59.60	357.50	4,836.10	7,879.10	56.81	14.63	56.78	7.58	424,775.09	608,294.36
8,067.00	62.80	356.50	4,851.04	7,894.04	83.94	13.21	83.90	10.70	424,802.21	608,292.93
8,098.00	65.50	356.00	4,864.55	7,907.55	111.77	11.38	111.74	8.83	424,830.05	608,291.11
8,130.00	68.80	356.20	4,876.98	7,919.98	141.19	9.38	141.17	10.33	424,859.46	608,289.10
8,161.00	72.30	357.00	4,887.30	7,930.30	170.36	7.65	170.34	11.55	424,888.64	608,287.37
8,192.00	76.50	357.30	4,895.63	7,938.63	200.18	6.16	200.16	13.58	424,918.45	608,285.89
8,223.00	79.60	357.70	4,902.05	7,945.05	230.47	4.84	230.46	10.08	424,948.75	608,284.56
8,255.00	81.40	358.50	4,907.33	7,950.33	262.02	3.79	262.01	6.14	424,980.29	608,283.52
8,287.00	83.30	359.50	4,911.59	7,954.59	293.72	3.24	293.72	6.70	425,012.00	608,282.96
8,318.00	86.60	359.80	4,914.32	7,957.32	324.60	3.05	324.59	10.69	425,042.88	608,282.78
8,415.00	89.60	359.20	4,917.53	7,960.53	421.53	2.21	421.52	3.15	425,139.81	608,281.93
8,511.00	87.80	0.90	4,919.71	7,962.71	517.50	2.29	517.49	2.58	425,235.77	608,282.01
8,604.00	88.20	1.50	4,922.96	7,965.96	610.42	4.24	610.41	0.78	425,328.70	608,283.96

Survey Report

Company:	Legend Natural Gas IV LP	Local Co-ordinate Reference:	Well Full Choke Com 2H
Project:	Eddy County NM (Nad83)	TVD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Site:	Section 32 T24S R28E	MD Reference:	Well @ 3043.00usft (Original Well Elev + 23' KB)
Well:	Full Choke Com 2H	North Reference:	Grid
Wellbore:	Job#: 1310197	Survey Calculation Method:	Minimum Curvature
Design:	Rig Pat 444	Database:	GCR DB v5000

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
8,698.00	88.40	1.50	4,925.75	7,968.75	704.35	6.70	704.33	0.21	425,422.62	608,286.42
8,792.00	88.30	0.80	4,928.45	7,971.45	798.29	8.58	798.27	0.75	425,516.56	608,288.31
8,886.00	88.40	0.80	4,931.16	7,974.16	892.24	9.89	892.21	0.11	425,610.52	608,289.62
8,979.00	91.30	1.20	4,931.40	7,974.40	985.22	11.52	985.19	3.15	425,703.49	608,291.24
9,072.00	91.30	0.50	4,929.29	7,972.29	1,078.18	12.90	1,078.15	0.75	425,796.46	608,292.62
9,166.00	91.90	0.40	4,926.67	7,969.67	1,172.14	13.63	1,172.10	0.65	425,890.42	608,293.36
9,261.00	89.50	0.50	4,925.51	7,968.51	1,267.12	14.38	1,267.09	2.53	425,985.40	608,294.10
9,357.00	88.20	358.10	4,927.44	7,970.44	1,363.09	13.21	1,363.05	2.84	426,081.36	608,292.93
9,450.00	88.20	357.90	4,930.36	7,973.36	1,455.99	9.96	1,455.96	0.21	426,174.26	608,289.69
9,545.00	90.20	359.50	4,931.68	7,974.68	1,550.94	7.81	1,550.92	2.70	426,269.22	608,287.53
9,639.00	91.50	359.90	4,930.29	7,973.29	1,644.93	7.32	1,644.91	1.45	426,363.21	608,287.04
9,734.00	92.30	0.50	4,927.14	7,970.14	1,739.88	7.65	1,739.85	1.05	426,458.15	608,287.37
9,828.00	90.00	0.00	4,925.25	7,968.25	1,833.85	8.06	1,833.83	2.50	426,552.13	608,287.78
9,922.00	91.50	0.90	4,924.02	7,967.02	1,927.84	8.80	1,927.81	1.86	426,646.11	608,288.52
10,017.00	91.50	1.40	4,921.54	7,964.54	2,022.78	10.70	2,022.75	0.53	426,741.06	608,290.43
10,111.00	90.40	1.60	4,919.98	7,962.98	2,116.74	13.16	2,116.70	1.19	426,835.01	608,292.89
10,205.00	90.70	1.10	4,919.07	7,962.07	2,210.71	15.38	2,210.66	0.62	426,928.98	608,295.10
10,299.00	90.00	1.10	4,918.50	7,961.50	2,304.69	17.18	2,304.64	0.74	427,022.96	608,296.91
10,387.00	90.30	0.20	4,918.27	7,961.27	2,392.68	18.18	2,392.63	1.08	427,110.96	608,297.90
10,482.00	86.50	357.20	4,920.92	7,963.92	2,487.59	16.03	2,487.54	5.10	427,205.87	608,295.75
10,576.00	87.20	356.80	4,926.09	7,969.09	2,581.32	11.12	2,581.28	0.86	427,299.59	608,290.84
10,671.00	88.40	357.40	4,929.73	7,972.73	2,676.12	6.31	2,676.10	1.41	427,394.40	608,286.04
10,765.00	90.10	358.00	4,930.97	7,973.97	2,770.04	2.54	2,770.02	1.92	427,488.31	608,282.27
10,859.00	90.50	358.80	4,930.47	7,973.47	2,864.00	-0.08	2,863.99	0.95	427,582.27	608,279.64
10,954.00	90.70	358.60	4,929.48	7,972.48	2,958.97	-2.24	2,958.97	0.30	427,677.24	608,277.49
11,048.00	90.70	358.60	4,928.33	7,971.33	3,052.93	-4.53	3,052.94	0.00	427,771.21	608,275.19
11,141.00	90.70	357.70	4,927.19	7,970.19	3,145.88	-7.54	3,145.89	0.97	427,864.15	608,272.19

Survey Report

Company: Legend Natural Gas IV, LP
Project: Eddy County, NM (Nad83)
Site: Section 32 T24S R28E
Well: Full Choke Com 2H
Wellbore: Job#: 1310197
Design: Rig: Pat 444

Local Co-ordinate Reference: Well: Full Choke Com 2H
TVD Reference: Well @ 3043.00usft (Original Well Elev + 23' KB)
MD Reference: Well @ 3043.00usft (Original Well Elev + 23' KB)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
11,234.00	91.00	358.00	4,925.81	7,968.81	3,238.80	-11.03	3,238.82	0.46	427,957.08	608,268.70
11,329.00	90.50	357.40	4,924.57	7,967.57	3,333.72	-14.84	3,333.74	0.82	428,051.99	608,264.89
11,423.00	90.30	357.60	4,923.91	7,966.91	3,427.62	-18.94	3,427.66	0.30	428,145.90	608,260.79
11,516.00	90.50	359.10	4,923.27	7,966.27	3,520.58	-21.62	3,520.62	1.63	428,238.86	608,258.11
11,610.00	91.60	1.50	4,921.54	7,964.54	3,614.56	-21.12	3,614.60	2.81	428,332.83	608,258.60
11,706.00	89.50	1.30	4,920.62	7,963.62	3,710.52	-18.78	3,710.55	2.20	428,428.79	608,260.95
11,799.00	90.50	1.90	4,920.62	7,963.62	3,803.48	-16.18	3,803.51	1.25	428,521.75	608,263.54
11,894.00	88.90	2.20	4,921.12	7,964.12	3,898.41	-12.78	3,898.43	1.71	428,616.69	608,266.94
11,989.00	88.50	2.30	4,923.27	7,966.27	3,993.32	-9.06	3,993.33	0.43	428,711.59	608,270.67
12,083.00	88.90	2.70	4,925.41	7,968.41	4,087.20	-4.96	4,087.20	0.60	428,805.48	608,274.77
12,176.00	88.00	1.20	4,927.92	7,970.92	4,180.11	-1.79	4,180.10	1.88	428,898.39	608,277.93
12,270.00	89.10	359.70	4,930.30	7,973.30	4,274.07	-1.05	4,274.06	1.98	428,992.35	608,278.67
12,364.00	89.70	0.50	4,931.28	7,974.28	4,368.07	-0.89	4,368.06	1.06	429,086.34	608,278.83
12,458.00	90.20	1.00	4,931.37	7,974.37	4,462.06	0.34	4,462.04	0.75	429,180.33	608,280.06
12,552.00	90.40	1.50	4,930.87	7,973.87	4,556.03	2.39	4,556.01	0.57	429,274.31	608,282.11
12,641.00	90.60	1.80	4,930.10	7,973.10	4,644.99	4.95	4,644.97	0.41	429,363.27	608,284.68
12,696.00	90.60	1.80	4,929.52	7,972.52	4,699.96	6.68	4,699.93	0.00	429,418.24	608,286.40

Projection to TD, 12696'

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,485.00	2,479.53	76.12	92.39	Tie In, 2485'
12,696.00	7,972.52	4,699.96	6.68	Projection to TD, 12696'