

Results of Directional Survey

API number:	30-025-41305		
OGRID:		Operator:	LEGACY RESERVES OPERATING, LP
		Property:	HAMON A FEDERAL COM # 3H

surface	ULSTR:	O	06	T	20S	R	34E
				474	FSL	2004	FEL

BH Loc	ULSTR:	O	07	T	20S	R	34E
16028	MD	10902.3	TVD	336	FSL	1832	FEL
				4944	FNL		

Top Perf/OH	ULSTR:	O	06	T	20S	R	34E
11408	MD	10833.2	TVD	330	FNL	1799	FEL

Bot Perf/OH	ULSTR:	O	07	T	20S	R	34E
16022	MD	10902.6	TVD	345	FSL	1833	FEL
				4935	FNL		

	MD	N/S	E/W	VD
	11379	-775.50	200.30	10833.4
TOP PERFS/OH	11408	-804.05	205.19	10833.17
	11443	-838.50	211.10	10832.90
	15976	-5336.50	168.00	10904.50
BOT PERFS/OH	16022	-5408.86	171.18	10902.55
	16028	-5418.30	171.60	10902.30

NEXT TO LAST	15976	-5336.50	168.00	10904.50
LAST READING	16028	-5418.30	171.60	10902.30
TD	16028	-5418.30	171.60	10902.30

Surface Location	474	FS	2004	FE
Projected BHL	4944	FN	1832	FE
Location of				
Top Perfs/OH	330	FN	1799	FE
Bottom Perfs/OH	4935	FN	1833	FE

SUMMARY of Subsurface Locations

Surface Location	O-06-20S-34E	474	FS	2004	FE	Vert. Depth
Top Perfs/OH	O-06-20S-34E	330	FN	1799	FE	10833.17
Bottom Perfs/OH	O-07-20S-34E	4935	FN	1833	FE	10902.55
Projected TD	O-07-20S-34E	4944	FN	1832	FE	10902.30

DEC 02 2013

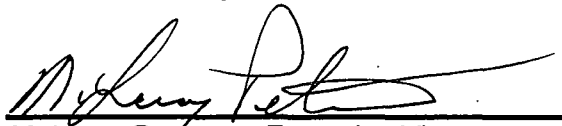
OPERATOR: Legacy Reserves Operating, LP
WELL/LEASE: Hamon Federal Com # 3 H
COUNTY: Lea Co., New Mexico
Sec. 13, T20S, R24E

STATE OF NEW MEXICO
DEVIATION REPORT

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
226	3/4	5,468	1/2
466	1 1/4	5,760	1/2
714	2 1/2	6,046	3/4
842	2 1/2	6,332	1/2
936	2 1/4	6,618	3/4
1,031	2 1/4	6,905	1/2
1,094	1 3/4	7,191	3/4
1,284	3/4	7,476	1/2
1,506	3/4	7,793	1/2
1,747	3/4	8,078	1 1/4
1,778	3/4	8,334	3/4
2,031	1/2	8,620	1 1/2
2,317	1/2	8,904	1 3/4
2,792	2	9,160	1 1/2
3,045	2 1/4	9,420	2
3,266	1	9,666	2
3,521	1 1/2	9,952	1
3,738	1	10,204	2
4,029	1	10,467	2
4,527	3/4	10,721	1
4,968	1/2	11,190	3/4
		11,630	1

HOBBS OCD
NOV 21 2013
RECEIVED

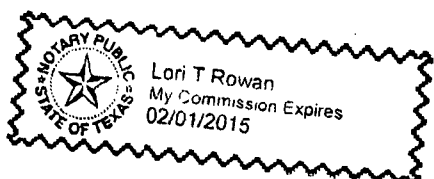
Patriot Drilling, LLC


M. Leroy Peterson, Executive Vice-
President



The foregoing instrument was acknowledged before me on this 9th day of October, 2013 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 02/01/2015




Lori T. Rowan
Notary Public for Ector Co., Texas

DEC 02 2013



MOJO
DIRECTIONAL CORPORATION

HOBBS OCD

NOV 21 2013

RECEIVED

Legacy Reserves LP

Hamon

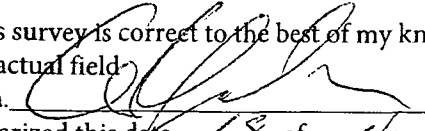
Hamon Fed Com A 3H

Survey: Hamon Fed Com A 3H

MOJO Standard Survey

18 November, 2013

This survey is correct to the best of my knowledge and is supported
by actual field data.

 (Signature)

Notarized this date 18 of November

2013. _____ Notary

Signature County of Collin State of Texas



MOJO
DIRECTIONAL CORPORATION

Company: Legacy Reserves LP Project: Hamon Site: Hamon Fed Com A 3H Well: Hamon Fed Com A 3H Wellbore: Hamon Fed Com A 3H Design: Hamon Fed Com A 3H	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:	Site Hamon Fed Com A 3H WELL @ 3636.0usft (Original Well Elev) WELL @ 3636.0usft (Original Well Elev) Grid Minimum Curvature EDM 5000.1 Single User Db
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Project	Hamon
Map System: US State Plane 1927 (Exact solution) Geo Datum: NAD 1927 (NADCON CONUS) Map Zone: New Mexico East 3001	System Datum: Mean Sea Level

Site	Hamon Fed Com A 3H	
Site Position: From: Map Position Uncertainty: 0.0 usft	Northing: 581,348.80 usft Easting: 726,770.90 usft Slot Radius: 13-3/16 "	Latitude: 32° 35' 45.871 N Longitude: 103° 35' 49.226 W Grid Convergence: 0.40 °

Well	Hamon Fed Com A 3H	
Well Position +N/-S 0.0 usft +E/-W 0.0 usft Position Uncertainty 0.0 usft	Northing: 581,348.80 usft Easting: 726,770.90 usft Wellhead Elevation: usft	Latitude: 32° 35' 45.871 N Longitude: 103° 35' 49.226 W Ground Level: 3,610.0 usft

Wellbore	Hamon Fed Com A 3H										
Magnetics	<table border="1"> <thead> <tr> <th>Model Name</th> <th>Sample Date</th> <th>Declination (°)</th> <th>Dip Angle (°)</th> <th>Field Strength (nT)</th> </tr> </thead> <tbody> <tr> <td>IGRF200510</td> <td>01/05/2013</td> <td>7.39</td> <td>60.51</td> <td>48,691</td> </tr> </tbody> </table>	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	IGRF200510	01/05/2013	7.39	60.51	48,691
Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)							
IGRF200510	01/05/2013	7.39	60.51	48,691							

Design	Hamon Fed Com A 3H		
Audit Notes:			
Version: 1.0 Phase: ACTUAL Tie On Depth: 0.0			
Vertical Section: Depth From (TVD) (usft) 0.0	+N/-S (usft) 0.0	+E/-W (usft) 0.0	Direction (°) 178.45

Survey Program	Date 18/11/2013										
<table border="1"> <thead> <tr> <th>From (usft)</th> <th>To (usft)</th> <th>Survey (Wellbore)</th> <th>Tool Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>100.0</td> <td>16,028.0</td> <td>Hamon Fed Com A 3H (Hamon Fed Com A</td> <td>MWD</td> <td>MWD - Standard</td> </tr> </tbody> </table>	From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	100.0	16,028.0	Hamon Fed Com A 3H (Hamon Fed Com A	MWD	MWD - Standard	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description							
100.0	16,028.0	Hamon Fed Com A 3H (Hamon Fed Com A	MWD	MWD - Standard							

Company:	Legacy Reserves LP	Local Co-ordinate Reference:	Site Hamon Fed Com A 3H
Project:	Hamon	TVD Reference:	WELL @ 3636.0usft (Original Well Elev)
Site:	Hamon Fed Com A 3H	MD Reference:	WELL @ 3636.0usft (Original Well Elev)
Well:	Hamon Fed Com A 3H	North Reference:	Grid
Wellbore:	Hamon Fed Com A 3H	Survey Calculation Method:	Minimum Curvature
Design:	Hamon Fed Com A 3H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.00	0.0	-3,636.0	0.0	0.0	0.0	0.00	581,348.80	726,770.90
100.0	0.39	64.42		100.0	-3,536.0	0.1	0.3	-0.1	0.39	581,348.95	726,771.21
200.0	0.78	64.42		200.0	-3,436.0	0.6	1.2	-0.6	0.39	581,349.39	726,772.13
300.0	0.96	51.92		300.0	-3,336.0	1.4	2.5	-1.3	0.26	581,350.20	726,773.40
400.0	1.18	43.70		400.0	-3,236.0	2.7	3.9	-2.6	0.26	581,351.46	726,774.78
500.0	1.76	49.39		499.9	-3,136.1	4.4	5.8	-4.3	0.60	581,353.21	726,776.66
600.0	2.35	52.24		599.9	-3,036.1	6.7	8.5	-6.4	0.60	581,355.47	726,779.44
700.0	2.40	51.02		699.8	-2,936.2	9.2	11.8	-8.9	0.07	581,358.04	726,782.69
800.0	2.45	49.85		799.7	-2,836.3	11.9	15.1	-11.5	0.07	581,360.73	726,785.95
900.0	2.30	49.20		899.6	-2,736.4	14.6	18.2	-14.1	0.15	581,363.42	726,789.11
1,000.0	2.15	48.45		999.5	-2,636.5	17.2	21.1	-16.6	0.15	581,365.98	726,792.03
1,100.0	1.58	48.30		1,099.5	-2,536.5	19.3	23.6	-18.7	0.57	581,368.14	726,794.46
1,200.0	1.02	47.98		1,199.5	-2,436.5	20.9	25.3	-20.2	0.57	581,369.66	726,796.16
1,300.0	0.64	38.31		1,299.4	-2,336.6	21.9	26.3	-21.2	0.41	581,370.69	726,797.16
1,400.0	0.32	5.94		1,399.4	-2,236.6	22.6	26.6	-21.9	0.41	581,371.40	726,797.54
1,499.6	0.33	3.21		1,499.0	-2,137.0	23.2	26.7	-22.4	0.02	581,371.96	726,797.58
1,500.0	0.33	3.28		1,499.4	-2,136.6	23.2	26.7	-22.4	0.09	581,371.96	726,797.58
1,556.0	0.33	1.82		1,555.4	-2,080.6	23.5	26.7	-22.8	0.02	581,372.28	726,797.60
13 3/8"											
1,600.0	0.33	0.70		1,599.4	-2,036.6	23.7	26.7	-23.0	0.02	581,372.54	726,797.60
1,700.0	0.41	13.79		1,699.4	-1,936.6	24.4	26.8	-23.6	0.12	581,373.17	726,797.69
1,800.0	0.51	22.22		1,799.4	-1,836.6	25.1	27.0	-24.4	0.12	581,373.94	726,797.95
1,900.0	0.51	24.17		1,899.4	-1,736.6	26.0	27.4	-25.2	0.02	581,374.75	726,798.30
2,000.0	0.51	26.12		1,999.4	-1,636.6	26.8	27.8	-26.0	0.02	581,375.56	726,798.68
2,100.0	0.37	24.48		2,099.4	-1,536.6	27.5	28.1	-26.7	0.14	581,376.26	726,799.01
2,200.0	0.24	20.98		2,199.4	-1,436.6	28.0	28.3	-27.2	0.14	581,376.75	726,799.22
2,300.0	0.18	68.07		2,299.4	-1,336.6	28.2	28.5	-27.4	0.18	581,377.01	726,799.44

Company:	Legacy Reserves LP	Local Co-ordinate Reference:	Site Hamon Fed Com A 3H
Project:	Hamon	TVD Reference:	WELL @ 3636.0usft (Original Well Elev)
Site:	Hamon Fed Com A 3H	MD Reference:	WELL @ 3636.0usft (Original Well Elev)
Well:	Hamon Fed Com A 3H	North Reference:	Grid
Wellbore:	Hamon Fed Com A 3H	Survey Calculation Method:	Minimum Curvature
Design:	Hamon Fed Com A 3H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
2,400.0	0.27	108.69	2,399.4	-1,236.6	28.2	28.9	-27.4	0.18	581,376.99	726,799.81	
2,500.0	0.61	74.01	2,499.4	-1,136.6	28.3	29.7	-27.5	0.42	581,377.06	726,800.55	
2,600.0	1.02	65.35	2,599.4	-1,036.6	28.8	31.0	-27.9	0.42	581,377.58	726,801.88	
2,700.0	1.43	65.35	2,699.4	-936.6	29.7	32.9	-28.8	0.40	581,378.47	726,803.82	
2,800.0	1.83	65.35	2,799.3	-836.7	30.9	35.5	-29.9	0.40	581,379.66	726,806.40	
2,900.0	1.93	63.89	2,899.3	-736.7	32.3	38.5	-31.2	0.11	581,381.06	726,809.36	
3,000.0	2.03	62.58	2,999.2	-636.8	33.8	41.5	-32.7	0.11	581,382.62	726,812.44	
3,100.0	1.65	57.99	3,099.2	-536.8	35.4	44.3	-34.2	0.41	581,384.20	726,815.24	
3,200.0	1.29	50.76	3,199.1	-436.9	36.9	46.4	-35.6	0.41	581,385.67	726,817.33	
3,300.0	1.13	47.46	3,299.1	-336.9	38.3	48.0	-36.9	0.17	581,387.06	726,818.93	
3,400.0	0.98	43.12	3,399.1	-236.9	39.5	49.3	-38.2	0.17	581,388.35	726,820.25	
3,500.0	1.04	44.87	3,499.1	-136.9	40.8	50.6	-39.4	0.07	581,389.62	726,821.47	
3,600.0	1.10	46.42	3,599.1	-36.9	42.1	51.9	-40.7	0.07	581,390.92	726,822.81	
3,700.0	0.87	62.41	3,699.1	63.1	43.1	53.3	-41.7	0.36	581,391.93	726,824.18	
3,794.0	0.75	84.61	3,793.0	157.0	43.5	54.5	-42.0	0.36	581,392.32	726,825.42	
3,800.0	0.75	86.23	3,799.0	163.0	43.5	54.6	-42.0	0.36	581,392.33	726,825.50	
3,900.0	0.67	79.95	3,899.0	263.0	43.7	55.8	-42.1	0.11	581,392.47	726,826.73	
4,000.0	0.59	71.96	3,999.0	363.0	43.9	56.9	-42.4	0.12	581,392.74	726,827.79	
4,100.0	0.42	67.08	4,099.0	463.0	44.2	57.7	-42.7	0.18	581,393.04	726,828.61	
4,200.0	0.25	55.50	4,199.0	563.0	44.5	58.2	-42.9	0.18	581,393.30	726,829.13	
4,300.0	0.21	35.24	4,299.0	663.0	44.8	58.5	-43.2	0.09	581,393.57	726,829.41	
4,400.0	0.20	9.60	4,399.0	763.0	45.1	58.6	-43.5	0.09	581,393.89	726,829.54	
4,500.0	0.25	18.98	4,499.0	863.0	45.5	58.7	-43.9	0.06	581,394.27	726,829.64	
4,600.0	0.31	25.02	4,599.0	963.0	45.9	58.9	-44.3	0.06	581,394.73	726,829.83	
4,700.0	0.33	28.76	4,699.0	1,063.0	46.4	59.2	-44.8	0.03	581,395.22	726,830.08	
4,800.0	0.35	32.07	4,799.0	1,163.0	46.9	59.5	-45.3	0.03	581,395.73	726,830.38	
4,900.0	0.39	6.21	4,899.0	1,263.0	47.5	59.7	-45.9	0.17	581,396.33	726,830.58	

Company: Legacy Reserves LP		Local Co-ordinate Reference:						Site Hamon Fed Com A 3H WELL @ 3636.0usft (Original Well Elev) WELL @ 3636.0usft (Original Well Elev) Grid Minimum Curvature EDM 5000.1 Single User Db			
Project: Hamon											
Site: Hamon Fed Com A 3H											
Well: Hamon Fed Com A 3H											
Wellbore: Hamon Fed Com A 3H											
Design: Hamon Fed Com A 3H		TVD Reference:									
		MD Reference:									
		North Reference:									
		Survey Calculation Method:									
		Database:									
Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
5,000.0	0.49	348.05	4,999.0	1,363.0	48.3	59.6	-46.7	0.17	581,397.09	726,830.53	
5,100.0	0.26	337.67	5,099.0	1,463.0	48.9	59.5	-47.3	0.24	581,397.72	726,830.36	
5,200.0	0.10	275.67	5,199.0	1,563.0	49.1	59.3	-47.5	0.23	581,397.94	726,830.18	
5,300.0	0.03	302.94	5,299.0	1,663.0	49.2	59.2	-47.5	0.07	581,397.97	726,830.07	
5,400.0	0.05	56.54	5,399.0	1,763.0	49.2	59.2	-47.6	0.07	581,398.01	726,830.08	
5,437.0	0.05	48.71	5,436.0	1,800.0	49.2	59.2	-47.6	0.02	581,398.03	726,830.11	
5,452.8	0.08	352.83	5,451.8	1,815.8	49.2	59.2	-47.6	0.44	581,398.04	726,830.11	
Bell Canyon											
5,500.0	0.05	44.79	5,499.0	1,863.0	49.3	59.2	-47.6	0.14	581,398.06	726,830.15	
5,515.0	0.05	44.79	5,514.0	1,878.0	49.3	59.3	-47.7	0.00	581,398.07	726,830.15	
9 5/8"											
5,600.0	0.05	33.04	5,599.0	1,963.0	49.3	59.3	-47.7	0.01	581,398.13	726,830.20	
5,700.0	0.32	331.45	5,699.0	2,063.0	49.6	59.2	-48.0	0.30	581,398.41	726,830.09	
5,800.0	0.61	327.32	5,799.0	2,163.0	50.3	58.8	-48.7	0.30	581,399.10	726,829.67	
5,900.0	0.76	320.89	5,899.0	2,263.0	51.3	58.1	-49.7	0.17	581,400.06	726,828.97	
6,000.0	0.91	316.58	5,999.0	2,363.0	52.3	57.1	-50.8	0.17	581,401.15	726,828.01	
6,100.0	0.79	317.19	6,099.0	2,463.0	53.4	56.1	-51.9	0.13	581,402.23	726,826.99	
6,200.0	0.66	318.03	6,199.0	2,563.0	54.4	55.2	-52.8	0.13	581,403.16	726,826.14	
6,300.0	0.58	317.00	6,299.0	2,663.0	55.2	54.5	-53.7	0.08	581,403.96	726,825.41	
6,400.0	0.50	315.64	6,399.0	2,763.0	55.8	53.9	-54.4	0.08	581,404.64	726,824.76	
6,475.6	0.48	310.04	6,474.6	2,838.6	56.3	53.4	-54.8	0.07	581,405.08	726,824.29	
Cherry Canyon											
6,500.0	0.47	308.13	6,499.0	2,863.0	56.4	53.2	-54.9	0.07	581,405.20	726,824.14	
6,600.0	0.45	299.78	6,599.0	2,963.0	56.9	52.6	-55.4	0.07	581,405.65	726,823.47	
6,700.0	0.39	285.35	6,698.9	3,062.9	57.1	51.9	-55.7	0.12	581,405.94	726,822.80	
6,800.0	0.36	267.20	6,798.9	3,162.9	57.2	51.3	-55.8	0.12	581,406.01	726,822.16	
6,900.0	0.49	264.07	6,898.9	3,262.9	57.2	50.5	-55.8	0.14	581,405.95	726,821.42	

Company:		Legacy Reserves LP				Local Co-ordinate Reference:			Site Hamon Fed Com A 3H		
Project:		Hamon				TVD Reference:			WELL @ 3636.0usft (Original Well Elev)		
Site:		Hamon Fed Com A 3H				MD Reference:			WELL @ 3636.0usft (Original Well Elev)		
Well:		Hamon Fed Com A 3H				North Reference:			Grid		
Wellbore:		Hamon Fed Com A 3H				Survey Calculation Method:			Minimum Curvature		
Design:		Hamon Fed Com A 3H				Database:			EDM 5000.1 Single User Db		

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
7,000.0	0.63	262.29	6,998.9	3,362.9	57.0	49.5	-55.7	0.14	581,405.83	726,820.45	
7,100.0	0.64	260.10	7,098.9	3,462.9	56.9	48.5	-55.5	0.03	581,405.66	726,819.35	
7,200.0	0.65	257.97	7,198.9	3,562.9	56.6	47.3	-55.3	0.03	581,405.45	726,818.25	
7,300.0	0.62	263.90	7,298.9	3,662.9	56.5	46.3	-55.2	0.07	581,405.27	726,817.16	
7,399.7	0.59	270.41	7,398.6	3,762.6	56.4	45.2	-55.2	0.07	581,405.22	726,816.11	
Brushy Canyon											
7,400.0	0.59	270.43	7,398.9	3,762.9	56.4	45.2	-55.2	0.07	581,405.22	726,816.11	
7,500.0	0.56	254.59	7,498.9	3,862.9	56.3	44.2	-55.1	0.16	581,405.09	726,815.12	
7,600.0	0.58	238.48	7,598.9	3,962.9	55.9	43.3	-54.7	0.16	581,404.70	726,814.21	
7,700.0	0.49	239.26	7,698.9	4,062.9	55.4	42.5	-54.2	0.09	581,404.21	726,813.42	
7,800.0	0.40	240.39	7,798.9	4,162.9	55.0	41.8	-53.9	0.09	581,403.82	726,812.74	
7,900.0	0.39	233.51	7,898.9	4,262.9	54.6	41.3	-53.5	0.05	581,403.45	726,812.17	
8,000.0	0.39	226.46	7,998.9	4,362.9	54.2	40.7	-53.1	0.05	581,403.01	726,811.64	
8,043.1	0.41	220.16	8,042.0	4,406.0	54.0	40.5	-52.9	0.11	581,402.79	726,811.44	
8,100.0	0.44	212.88	8,098.9	4,462.9	53.6	40.3	-52.5	0.11	581,402.45	726,811.19	
8,200.0	0.52	202.74	8,198.9	4,562.9	52.9	39.9	-51.8	0.11	581,401.70	726,810.80	
8,300.0	0.63	205.05	8,298.9	4,662.9	52.0	39.5	-50.9	0.11	581,400.79	726,810.39	
8,344.1	0.68	205.84	8,343.0	4,707.0	51.5	39.3	-50.5	0.11	581,400.33	726,810.18	
Bone Spring											
8,369.1	0.71	206.23	8,368.0	4,732.0	51.3	39.1	-50.2	0.11	581,400.06	726,810.04	
8,400.0	0.74	206.68	8,398.9	4,762.9	50.9	39.0	-49.8	0.11	581,399.71	726,809.87	
8,500.0	0.81	180.53	8,498.9	4,862.9	49.6	38.7	-48.6	0.36	581,398.43	726,809.57	
8,600.0	1.01	161.70	8,598.9	4,962.9	48.1	38.9	-47.0	0.36	581,396.89	726,809.84	
8,700.0	1.13	147.94	8,698.8	5,062.8	46.4	39.7	-45.3	0.28	581,395.21	726,810.65	
8,800.0	1.31	137.37	8,798.8	5,162.8	44.7	41.0	-43.6	0.29	581,393.53	726,811.94	
8,900.0	1.35	134.36	8,898.8	5,262.8	43.1	42.7	-41.9	0.08	581,391.86	726,813.56	
9,000.0	1.40	131.54	8,998.8	5,362.8	41.4	44.4	-40.2	0.08	581,390.23	726,815.32	

Company: Legacy Reserves LP						Local Co-ordinate Reference:			Site Hamon Fed Com A 3H		
Project: Hamon						TVD Reference:			WELL @ 3636.0usft (Original Well Elev)		
Site: Hamon Fed Com A 3H						MD Reference:			WELL @ 3636.0usft (Original Well Elev)		
Well: Hamon Fed Com A 3H						North Reference:			Grid		
Wellbore: Hamon Fed Com A 3H						Survey Calculation Method:			Minimum Curvature		
Design: Hamon Fed Com A 3H						Database:			EDM 5000.1 Single User Db		

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
9,100.0	1.48	142.03	9,098.7	5,462.7	39.6	46.1	-38.3	0.27	581,388.40	726,817.03	
9,200.0	1.60	151.20	9,198.7	5,562.7	37.4	47.6	-36.1	0.27	581,386.16	726,818.50	
9,300.0	1.37	187.65	9,298.7	5,662.7	35.0	48.1	-33.6	0.95	581,383.76	726,819.01	
9,389.6	1.67	218.31	9,388.2	5,752.2	32.9	47.2	-31.6	0.95	581,381.67	726,818.06	
1st Bone Spring											
9,393.4	1.69	219.31	9,392.0	5,756.0	32.8	47.1	-31.5	0.95	581,381.59	726,817.99	
9,400.0	1.73	220.99	9,398.6	5,762.6	32.6	47.0	-31.4	0.95	581,381.44	726,817.86	
9,500.0	1.75	218.36	9,498.6	5,862.6	30.3	45.0	-29.1	0.08	581,379.10	726,815.92	
9,600.0	1.77	215.79	9,598.5	5,962.5	27.9	43.2	-26.7	0.08	581,376.65	726,814.07	
9,700.0	1.59	213.86	9,698.5	6,062.5	25.4	41.5	-24.3	0.18	581,374.24	726,812.40	
9,800.0	1.42	211.45	9,798.5	6,162.5	23.2	40.1	-22.1	0.19	581,372.03	726,810.97	
9,900.0	1.30	201.34	9,898.4	6,262.4	21.1	39.0	-20.1	0.27	581,369.92	726,809.91	
9,944.0	1.26	196.36	9,942.4	6,306.4	20.2	38.7	-19.1	0.27	581,368.99	726,809.60	
2nd Bone Spring											
9,944.6	1.26	196.29	9,943.0	6,307.0	20.2	38.7	-19.1	0.27	581,368.97	726,809.59	
10,000.0	1.23	189.65	9,998.4	6,362.4	19.0	38.4	-18.0	0.27	581,367.80	726,809.32	
10,100.0	1.10	181.57	10,098.4	6,462.4	17.0	38.2	-15.9	0.21	581,365.78	726,809.12	
10,200.0	1.00	171.62	10,198.4	6,562.4	15.2	38.3	-14.1	0.21	581,363.96	726,809.22	
10,207.0	1.10	185.90	10,205.4	6,569.4	15.0	38.3	-14.0	3.99	581,363.83	726,809.22	
10,302.0	8.10	178.10	10,300.0	6,664.0	7.4	38.4	-6.4	7.38	581,356.23	726,809.35	
10,334.0	10.50	179.10	10,331.6	6,695.6	2.3	38.6	-1.2	7.52	581,351.06	726,809.47	
10,366.0	13.20	181.70	10,362.9	6,726.9	-4.3	38.5	5.4	8.60	581,344.49	726,809.40	
10,400.0	15.80	176.80	10,395.8	6,759.8	-12.8	38.6	13.9	8.45	581,335.99	726,809.55	
10,431.0	17.80	174.70	10,425.5	6,789.5	-21.7	39.3	22.8	6.74	581,327.05	726,810.22	
10,462.0	19.40	172.40	10,454.9	6,818.9	-31.6	40.4	32.7	5.68	581,317.23	726,811.34	
10,494.0	21.40	169.10	10,484.9	6,848.9	-42.6	42.2	43.7	7.21	581,306.23	726,813.15	
10,526.0	22.70	168.70	10,514.5	6,878.5	-54.4	44.6	55.5	4.09	581,294.44	726,815.46	

Company:	Legacy Reserves LP	Local Co-ordinate Reference:	Site Hamon Fed Com A 3H
Project:	Hamon	TVD Reference:	WELL @ 3636.0usft (Original Well Elev)
Site:	Hamon Fed Com A 3H	MD Reference:	WELL @ 3636.0usft (Original Well Elev)
Well:	Hamon Fed Com A 3H	North Reference:	Grid
Wellbore:	Hamon Fed Com A 3H	Survey Calculation Method:	Minimum Curvature
Design:	Hamon Fed Com A 3H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
10,557.0	26.40	169.60	10,542.7	6,906.7	-67.0	47.0	68.3	12.00	581,281.79	726,817.88	
10,589.0	31.10	170.10	10,570.8	6,934.8	-82.2	49.7	83.5	14.71	581,266.64	726,820.58	
10,621.0	36.00	169.20	10,597.4	6,961.4	-99.5	52.9	100.9	15.39	581,249.25	726,823.77	
10,653.0	39.60	168.90	10,622.7	6,986.7	-118.8	56.6	120.3	11.26	581,230.00	726,827.50	
10,653.1	39.60	168.90	10,622.8	6,986.8	-118.9	56.6	120.4	0.00	581,229.92	726,827.51	
3rd Bone Spring											
10,684.0	43.30	167.40	10,645.9	7,009.9	-138.9	60.8	140.5	12.41	581,209.93	726,831.72	
10,716.0	48.10	167.00	10,668.3	7,032.3	-161.2	65.9	162.9	15.03	581,187.60	726,836.79	
10,748.0	51.70	164.60	10,688.9	7,052.9	-184.9	71.9	186.8	12.63	581,163.88	726,842.81	
10,780.0	56.60	164.20	10,707.6	7,071.6	-209.9	78.9	212.0	15.35	581,138.91	726,849.79	
10,811.0	61.00	164.10	10,723.7	7,087.7	-235.4	86.1	237.6	14.20	581,113.41	726,857.03	
10,839.0	64.30	166.90	10,736.5	7,100.5	-259.5	92.3	261.9	14.76	581,089.33	726,863.24	
10,870.0	67.60	167.10	10,749.2	7,113.2	-287.0	98.7	289.6	10.66	581,061.75	726,869.61	
10,902.0	70.80	166.40	10,760.5	7,124.5	-316.2	105.6	318.9	10.21	581,032.64	726,876.47	
10,934.0	72.80	165.60	10,770.5	7,134.5	-345.7	112.9	348.6	6.69	581,003.14	726,883.82	
10,966.0	74.10	166.10	10,779.6	7,143.6	-375.4	120.4	378.5	4.33	580,973.40	726,891.32	
10,998.0	75.20	166.80	10,788.1	7,152.1	-405.4	127.6	408.7	4.03	580,943.40	726,898.55	
11,030.0	76.60	167.20	10,795.9	7,159.9	-435.6	134.6	439.1	4.54	580,913.16	726,905.53	
11,062.0	78.00	167.60	10,802.9	7,166.9	-466.1	141.4	469.8	4.54	580,882.70	726,912.34	
11,093.0	79.30	168.40	10,809.0	7,173.0	-495.8	147.8	499.6	4.90	580,852.97	726,918.66	
11,125.0	80.90	169.40	10,814.5	7,178.5	-526.8	153.8	530.7	5.87	580,822.04	726,924.73	
11,157.0	82.40	168.90	10,819.2	7,183.2	-557.9	159.8	562.0	4.94	580,790.94	726,930.69	
11,189.0	83.50	168.90	10,823.1	7,187.1	-589.0	165.9	593.3	3.44	580,759.78	726,936.80	
11,220.0	84.30	169.20	10,826.4	7,190.4	-619.3	171.8	623.7	2.75	580,729.52	726,942.66	
11,252.0	85.80	169.30	10,829.2	7,193.2	-650.6	177.7	655.2	4.70	580,698.20	726,948.60	
11,284.0	86.90	169.60	10,831.2	7,195.2	-682.0	183.5	686.7	3.56	580,666.80	726,954.45	
11,316.0	88.00	169.60	10,832.6	7,196.6	-713.4	189.3	718.3	3.44	580,635.36	726,960.22	

Company: Legacy Reserves LP			Local Co-ordinate Reference:					Site Hamon Fed Com A 3H WELL @ 3636.0usft (Original Well Elev) WELL @ 3636.0usft (Original Well Elev) Grid Minimum Curvature EDM 5000.1 Single User Db		
Project: Hamon										
Site: Hamon Fed Com A 3H										
Well: Hamon Fed Com A 3H										
Wellbore: Hamon Fed Com A 3H										
Design: Hamon Fed Com A 3H										
Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
11,347.0	89.50	170.00	10,833.3	7,197.3	-743.9	194.8	748.9	5.01	580,604.86	726,965.71
11,379.0	90.20	170.20	10,833.4	7,197.4	-775.5	200.3	780.6	2.28	580,573.33	726,971.21
11,443.0	90.60	170.30	10,832.9	7,196.9	-838.5	211.1	843.9	0.64	580,510.26	726,982.05
11,506.0	90.90	171.30	10,832.1	7,196.1	-900.7	221.2	906.4	1.66	580,448.08	726,992.12
11,570.0	88.70	174.40	10,832.3	7,196.3	-964.2	229.2	970.1	5.94	580,384.59	727,000.08
11,633.0	88.30	176.20	10,834.0	7,198.0	-1,027.0	234.3	1,032.9	2.93	580,321.82	727,005.24
11,697.0	88.60	180.40	10,835.7	7,199.7	-1,090.9	236.2	1,096.9	6.58	580,257.89	727,007.14
11,729.0	89.10	180.90	10,836.4	7,200.4	-1,122.9	235.9	1,128.9	2.21	580,225.90	727,006.78
11,760.0	89.10	181.20	10,836.9	7,200.9	-1,153.9	235.3	1,159.8	0.97	580,194.91	727,006.21
11,824.0	89.70	180.70	10,837.5	7,201.5	-1,217.9	234.2	1,223.8	1.22	580,130.92	727,005.15
11,888.0	88.00	180.00	10,838.8	7,202.8	-1,281.9	233.9	1,287.7	2.87	580,066.94	727,004.76
11,920.0	87.90	180.00	10,840.0	7,204.0	-1,313.8	233.9	1,319.7	0.31	580,034.96	727,004.76
11,983.0	88.30	179.90	10,842.0	7,206.0	-1,376.8	233.9	1,382.6	0.65	579,971.99	727,004.81
12,015.0	88.80	179.30	10,842.9	7,206.9	-1,408.8	234.1	1,414.6	2.44	579,940.00	727,005.04
12,047.0	89.00	180.40	10,843.5	7,207.5	-1,440.8	234.2	1,446.6	3.49	579,908.01	727,005.12
12,110.0	87.80	181.80	10,845.2	7,209.2	-1,503.8	233.0	1,509.5	2.93	579,845.05	727,003.91
12,142.0	88.00	181.80	10,846.4	7,210.4	-1,535.7	232.0	1,541.4	0.62	579,813.09	727,002.91
12,206.0	88.80	182.00	10,848.2	7,212.2	-1,599.7	229.9	1,605.3	1.29	579,749.15	727,000.79
12,269.0	89.80	181.20	10,849.0	7,213.0	-1,662.6	228.1	1,668.2	2.03	579,686.18	726,999.03
12,301.0	90.40	180.90	10,848.9	7,212.9	-1,694.6	227.5	1,700.2	2.10	579,654.18	726,998.44
12,333.0	89.00	181.30	10,849.1	7,213.1	-1,726.6	226.9	1,732.1	4.55	579,622.19	726,997.83
12,397.0	86.70	181.50	10,851.5	7,215.5	-1,790.5	225.4	1,796.0	3.61	579,558.26	726,996.26
12,493.0	87.70	180.20	10,856.2	7,220.2	-1,886.4	223.9	1,891.8	1.71	579,462.39	726,994.84
12,588.0	89.10	178.80	10,858.8	7,222.8	-1,981.4	224.8	1,986.7	2.08	579,367.43	726,995.67
12,683.0	89.40	178.90	10,860.1	7,224.1	-2,076.3	226.7	2,081.7	0.33	579,272.46	726,997.58
12,779.0	89.50	179.60	10,861.0	7,225.0	-2,172.3	227.9	2,177.7	0.74	579,176.47	726,998.83
12,874.0	89.60	181.60	10,861.7	7,225.7	-2,267.3	226.9	2,272.6	2.11	579,081.49	726,997.84

Company: Legacy Reserves LP		Local Co-ordinate Reference: Site Hamon Fed Com A 3H	
Project: Hamon		TVD Reference: WELL @ 3636.0usft (Original Well Elev)	
Site: Hamon Fed Com A 3H		MD Reference: WELL @ 3636.0usft (Original Well Elev)	
Well: Hamon Fed Com A 3H		North Reference: Grid	
Wellbore: Hamon Fed Com A 3H		Survey Calculation Method: Minimum Curvature	
Design: Hamon Fed Com A 3H		Database: EDM 5000.1 Single User Db	

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
12,969.0	90.40	181.80	10,861.7	7,225.7	-2,362.3	224.1	2,367.5	0.87	578,986.53	726,995.02	
13,064.0	88.80	182.00	10,862.4	7,226.4	-2,457.2	221.0	2,462.3	1.70	578,891.59	726,991.87	
13,159.0	87.60	181.10	10,865.4	7,229.4	-2,552.1	218.4	2,557.1	1.58	578,796.67	726,989.30	
13,254.0	87.80	180.20	10,869.2	7,233.2	-2,647.0	217.3	2,652.0	0.97	578,701.75	726,988.23	
13,350.0	88.90	181.10	10,871.9	7,235.9	-2,743.0	216.2	2,747.8	1.48	578,605.80	726,987.14	
13,445.0	88.00	181.10	10,874.5	7,238.5	-2,837.9	214.4	2,842.7	0.95	578,510.86	726,985.31	
13,541.0	88.20	180.30	10,877.7	7,241.7	-2,933.9	213.2	2,938.6	0.86	578,414.92	726,984.14	
13,636.0	88.40	182.10	10,880.5	7,244.5	-3,028.8	211.3	3,033.4	1.91	578,319.98	726,982.15	
13,731.0	89.30	181.40	10,882.4	7,246.4	-3,123.8	208.4	3,128.2	1.20	578,225.05	726,979.25	
13,827.0	88.90	182.20	10,883.9	7,247.9	-3,219.7	205.3	3,224.1	0.93	578,129.11	726,976.24	
13,922.0	89.30	180.70	10,885.4	7,249.4	-3,314.6	202.9	3,318.9	1.63	578,034.15	726,973.83	
14,017.0	87.90	181.60	10,887.7	7,251.7	-3,409.6	201.0	3,413.8	1.75	577,939.20	726,971.93	
14,112.0	88.80	180.30	10,890.5	7,254.5	-3,504.5	199.5	3,508.7	1.66	577,844.26	726,970.35	
14,207.0	88.20	181.40	10,893.0	7,257.0	-3,599.5	198.0	3,603.5	1.32	577,749.30	726,968.95	
14,303.0	89.30	181.10	10,895.1	7,259.1	-3,695.4	196.0	3,699.4	1.19	577,653.35	726,966.85	
14,398.0	90.40	180.50	10,895.3	7,259.3	-3,790.4	194.6	3,794.3	1.32	577,558.36	726,965.53	
14,492.0	90.00	180.90	10,895.0	7,259.0	-3,884.4	193.5	3,888.2	0.60	577,464.37	726,964.38	
14,587.0	90.80	182.90	10,894.3	7,258.3	-3,979.4	190.3	3,983.1	2.27	577,369.43	726,961.23	
14,682.0	89.10	183.40	10,894.4	7,258.4	-4,074.2	185.1	4,077.7	1.87	577,274.58	726,956.01	
14,778.0	89.80	182.90	10,895.3	7,259.3	-4,170.1	179.8	4,173.4	0.90	577,178.73	726,950.73	
14,873.0	88.80	183.40	10,896.5	7,260.5	-4,264.9	174.6	4,268.1	1.18	577,083.88	726,945.51	
14,968.0	91.00	183.20	10,896.6	7,260.6	-4,359.8	169.1	4,362.7	2.33	576,989.04	726,940.05	
15,063.0	90.40	183.70	10,895.5	7,259.5	-4,454.6	163.4	4,457.4	0.82	576,894.22	726,934.33	
15,159.0	88.90	183.40	10,896.1	7,260.1	-4,550.4	157.5	4,553.0	1.59	576,798.41	726,928.38	
15,254.0	87.70	182.60	10,898.9	7,262.9	-4,645.2	152.5	4,647.6	1.52	576,703.59	726,923.42	
15,349.0	88.20	180.40	10,902.3	7,266.3	-4,740.1	150.0	4,742.4	2.37	576,608.69	726,920.93	
15,444.0	88.90	179.90	10,904.7	7,268.7	-4,835.1	149.8	4,837.4	0.91	576,513.72	726,920.68	

Company:	Legacy Reserves LP	Local Co-ordinate Reference:	Site Hamon Fed Com A 3H
Project:	Hamon	TVD Reference:	WELL @ 3636.0usft (Original Well Elev)
Site:	Hamon Fed Com A 3H	MD Reference:	WELL @ 3636.0usft (Original Well Elev)
Well:	Hamon Fed Com A 3H	North Reference:	Grid
Wellbore:	Hamon Fed Com A 3H	Survey Calculation Method:	Minimum Curvature
Design:	Hamon Fed Com A 3H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
15,540.0	88.40	179.80	10,907.0	7,271.0	-4,931.1	150.0	4,933.3	0.53	576,417.75	726,920.93	
15,635.0	89.20	178.60	10,908.9	7,272.9	-5,026.0	151.4	5,028.3	1.52	576,322.78	726,922.26	
15,730.0	90.00	177.40	10,909.6	7,273.6	-5,121.0	154.7	5,123.3	1.52	576,227.84	726,925.57	
15,826.0	90.90	177.30	10,908.9	7,272.9	-5,216.9	159.1	5,219.2	0.94	576,131.95	726,930.01	
15,921.0	91.90	176.40	10,906.5	7,270.5	-5,311.7	164.3	5,314.2	1.42	576,037.12	726,935.23	
15,976.0	92.40	176.00	10,904.5	7,268.5	-5,366.5	168.0	5,369.1	1.16	575,982.28	726,938.87	
16,028.0	92.40	176.00	10,902.3	7,266.3	-5,418.3	171.6	5,421.0	0.00	575,930.45	726,942.50	
5 1/2"											

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,556.0	1,555.4	13 3/8"	13-3/8	16	
5,515.0	5,514.0	9 5/8"	9-5/8	12-1/4	
16,028.0	10,902.3	5 1/2"	5-1/2	8-3/4	

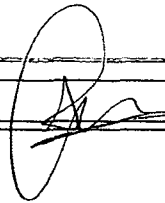
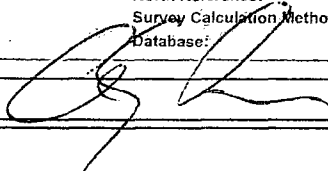
Formations			
Measured Depth (usft)	Vertical Depth (usft)	Name	Dip (°)
7,399.7	7,398.6	Brushy Canyon	0.00
10,653.1	10,622.8	3rd Bone Spring	0.00
6,475.6	6,474.6	Cherry Canyon	0.00
8,344.1	8,343.0	Bone Spring	0.00
9,389.6	9,388.2	1st Bone Spring	0.00
9,944.0	9,942.4	2nd Bone Spring	0.00
5,452.8	5,451.8	Bell Canyon	0.00



MOJO Standard Survey



Company:	Legacy Reserves LP	Local Co-ordinate Reference:	Site Hamon Fed Com A 3H
Project:	Hamon	TVD Reference:	WELL @ 3636.0usft (Original Well Elev)
Site:	Hamon Fed Com A 3H	MD Reference:	WELL @ 3636.0usft (Original Well Elev)
Well:	Hamon Fed Com A 3H	North Reference:	Grid
Wellbore:	Hamon Fed Com A 3H	Survey Calculation Method:	Minimum Curvature
Design:	Hamon Fed Com A 3H	Database:	EDM 5000.1 Single User Db

Checked By: Adolfo Cruz  Approved By:  Date: Nov 18/2013



6308 WindCrest Drive Suite 1526
Plano, TEXAS 75024 USA
1-877-446-6656

Surveyor Certification Form

Survey Company: MOJO Directional LLC
Surveyors Name: ARLEN YAKIMCHUK
Survey Job Type: MWD
Customer: LEGACY RESERVES
Well: Hamon Fed Com A 3H
API: 30-025-41305
Surveyed from: 0.00ft TO 15976.00ft
Projected TD: 16028.00 ft.
Survey Run Date: 21/09/2013-13/10/2013
Location: LEA COUNTY / NEW MEXICO
Surface Location: 581348.80 N, 726770.90 E
Bottom Hole Location: 575930.45 N, 726942.50 E

HOBBS OCD

NOV 21 2013

RECEIVED

I certify that the data is true, correct, and complete and within the limitations of the tool set forth by MOJO Directional LLC; that I am authorized and qualified to make this report; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by MOJO Directional LLC.

Signature

Arlen Yakimchuk

Date

Nov. 18 / 2013