

14-2

OCB Hobbs

UNORTHODOX  
LOCATION

Form 3160-3  
(March 2009)

HOBBS OCB

JAN 24 2014

RECEIVED

R-111-POTASH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires October 31, 2014

5. Lease Serial No.  
NM-13276, NM-129733, NM-84651

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No. **302795**  
HAMON FED COM A #2H

9. API Well No.

**30-025-41630**

10. Field and Pool, or Exploratory  
TEAS EAST; BONE SPRING

11. Sec., T. R. M. or Blk. and Survey or Area  
SHL: SECTION 18, T. 20 S., R. 34 E.  
BHL: SECTION 7, T. 20 S., R. 34 E.

12. County or Parish  
LEA

13. State  
NM

a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator LEGACY RESERVES OPERATING, L. P.

3a. Address P. O. BOX 10848  
MIDLAND, TEXAS 79702

3b. Phone No. (include area code)  
432-689-5200 (BLAIN LEWIS)

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface 200 FNL & 910 FWL, SECTION 18, T. 20 S., R. 34 E.

At proposed prod. zone 330 FNL & 660 FWL, SECTION 7, T. 20 S., R. 34 E.

14. Distance in miles and direction from nearest town or post office\*  
28 MILES SOUTHWEST OF HOBBS, NM

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
SHL: 200'  
BHL: 330'  
(Also to nearest drig. unit line, if any)

16. No. of acres in lease  
1671.51

17. Spacing Unit dedicated to this well  
160.44

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.  
SHL: 100'  
BHL: 1320'

19. Proposed Depth  
TVD: 11,100' PILOT HOLE  
MD: 15,884.3'

20. BLM/BIA Bond No. on file  
NMB001014 & NMB001015

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
3610' GL

22. Approximate date work will start\*

23. Estimated duration  
60 DAYS UNTIL COMPLETION

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature

*Barry W. Hunt*

Name (Printed/Typed)  
BARRY W. HUNT

Date

11/12/13

Title

PERMIT AGENT FOR LEGACY RESERVES OPERATING, L.P.

Approved by (Signature)

*Aden L. Seidlitz*

Name (Printed/Typed)

Date

JAN 14 2014

Title

STATE DIRECTOR

Office

NM STATE OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

Capitan Controlled Water Basin

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

K2  
01/27/14

Approval Subject to General Requirements  
& Special Stipulations Attached

JAN 28 2014

APPLICATION TO DRILL  
**HAMON FED COM A #2H**  
 LEGACY RESERVES OPERATING LP  
 SHL: Unit D, Section 18  
 T20S-R34E, Lea County, New Mexico

To satisfy requirements of Onshore Oil and Gas Order No. 1, Legacy Reserves Operating LP submits the following for your consideration:

1. **Location:** SHL: 200' FNL & 910' FWL, Sec. 18, T20S-R34E  
 BHL: 330' FNL & 660' FWL, Sec. 7, T20S-R34E
2. **Elevations:** 3,610' GL  
 3,636' KB
3. **Geological Name of Surface Formation:** Quaternary alluvium deposits
4. **Drilling Tools and Associated Equipment:** Rotary drilling rig using fluid as a means for removal of solid cuttings from the well.
5. **Proposed Drilling Depth:** 15,884.3' MD 10,878' TVD
6. **Estimated Tops of Geological Markers:**

|                                  |        |                               |         |
|----------------------------------|--------|-------------------------------|---------|
| Rustler                          | 1,499' | Queen                         | 4,750'  |
| Top Salt                         | 1,960' | Delaware/Base of Capitan Reef | 5,436'  |
| Bottom Salt                      | 3,500' | Bone Spring                   | 8,368'  |
| Yates                            | 3,600' | Wolfcamp                      | 10,910' |
| Seven Rivers/Top of Capitan Reef | 3,793' | Pilot Hole                    | 11,100' |
7. **Possible mineral bearing formations:**  
 Primary: Bone Spring (oil); Secondary: Wolfcamp (oil), Delaware (oil), Queen (oil), Seven Rivers (oil), Yates (oil or gas); fresh water (~125')
8. **Proposed Mud System:**

| Depth              | Mud Wt.   | Visc  | Fluid Loss     | Type Mud                                                 |
|--------------------|-----------|-------|----------------|----------------------------------------------------------|
| 0' to 1600'        | 8.4-8.6   | 30-32 | May lose circ. | Fresh water gel spud mud                                 |
| 1600' to 5500'     | 10.0-10.1 | 28-29 | May lose circ. | Brine water                                              |
| 5500' to 11,100'   | 8.7-8.8   | 28-29 | No control     | Fresh water/brine, use hi-viscosity sweeps to clean hole |
| 10,400' to 15,884' | 8.7-8.8   | 28-29 | 10-12          | Fresh water/brine                                        |

Sufficient mud materials will be kept on location at all times in order to combat lost circulation or unexpected kicks. Visual mud monitoring equipment will be in place to detect pit volume changes indicating loss or gain of circulating mud fluids. In order to effectively run open hole logs and casing, the mud viscosity and fluid loss properties may be adjusted.

See  
COM

9. **Proposed Drilling Plan:**

Set surface and intermediate casing and cement to surface. Drill 8-3/4" pilot hole to ~11,100' and log well. Plug back pilot hole to ~10,400' w/360 sxs class H cmt + 0.2% R-3 (16.5 ppg, 1.05 cfps, 4.25 gps wtr - 30% excess), set whipstock and drill 8-3/4" hole to TD of ~15,884'. Set 5-1/2" casing from surface to TD (~15,884'). Cement 5-1/2" production casing back to surface.

10. **Casing Information:**

See CoA

| String       | Hole size | Depth             | Casing OD   | Collar | Weight | Grade |
|--------------|-----------|-------------------|-------------|--------|--------|-------|
| Surface      | 17-1/2"   | 0' to 1600' MD    | New 13-3/8" | STC    | 54.5#  | J-55  |
| Intermediate | 12-1/4"   | 4000' to 5500' MD | New 9-5/8"  | LTC    | 40#    | N-80  |
| Intermediate | 12-1/4"   | 0' to 4000' MD    | New 9-5/8"  | LTC    | 40#    | J-55  |
| Production   | 8-3/4"    | 0' to 15,884' MD  | New 5-1/2"  | LTC    | 17#    | P-110 |

5-1/2", P-110:

Collapse Factor: 1.450  
Burst Factor: 1.405  
Tension Factor: 1.617

9-5/8", J-55

Collapse Factor: 1.301  
Burst Factor: 2.000  
Tension Factor: 2.055

9-5/8, N-80

Collapse Factor: 1.138  
Burst Factor: 2.117  
Tension Factor: 12.283

13-3/8, J-55

Collapse Factor: 1.444  
Burst Factor: 3.490  
Tension Factor: 5.389

11. **Cementing Information:**

**Surface Casing (100% excess on lead & 100% excess on tail to design for cement top at surface):**

Lead: 1100 sxs class C cement + 4% bentonite + 0.25 pps celloflakes + 0.005 gps FP-6L + 2% calcium chloride (13.50 ppg, 1.75 cfps, 9.16 gps wtr).

Tail: 400 sxs class C cement + 0.005 gps FP-6L + 0.5% calcium chloride (14.80 ppg, 1.33 cfps, 6.33 gps wtr).

**Intermediate Casing (50% excess on lead & 50% excess on tail to design for cement top at surface):**

Lead: 900 sxs (50:50) poz (fly ash) class C cement + 10% bentonite + 5% sodium chloride + 0.25 pps cello flakes + 0.1% FL-52A + 0.005 gps FP-6L (11.90 ppg, 2.37 cf/sx, 13.52 gps wtr).

Tail: 325 sxs class C cement + 0.2% R-3 + 0.005 gps FP-6L (14.80 ppg, 1.33 cfps, 6.31 gps wtr).

**Production Casing (25% excess on lead & 25% excess on tail to design for cement top at surface):**

Lead: 1000 sxs (50:50) poz (fly ash) class H cement + 6% bentonite + 5% sodium chloride + 5 pps LCM-1 + 0.7% sodium metasilicate + 0.5% R-21 + 0.45% FL-52A + 0.005 gps FP-6L (11.90 ppg, 2.31 cf/sx, 12.60 gps wtr).

Tail: 1300 sxs (15:61:11) poz (fly ash) class C cement CSE-2 + 4% sodium chloride + 3 pps LCM-1 + 0.6% FL-25 + 0.6 FL-52A + 0.2% sodium metasilicate + 0.15% R-21 + 0.005 gps FP-6L (13.20 ppg, 1.63 cf/sx, 7.98 gps wtr).

See CoA



Salaz, Robert &lt;rsalaz@blm.gov&gt;

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## Hamon Fed Com A #'s 1H, 2H and 4H APD's

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**Blain Lewis** <blewis@legacylp.com>

Tue, Dec 10, 2013 at 9:39 AM

To: Zeke Salaz &lt;rsalaz@blm.gov&gt;

Cc: Barry Hunt &lt;specialtpermitting@gmail.com&gt;

Following is a short summary of the 9-5/8" intermediate casing cement plan:

Stage 1: 400 sx 35:65 Poz:Class "C" cement plus additives at 12.5 ppg, 2.13 CF/sx and water 11.16 gals/sx and 200 sx Class "C" cement at 14.8 ppg, 1.33 CF/sx and water 6.31 gals/sx.

*See call*

Stage 2 (DV tool at 3963'): 1,675 sx 35:65 Poz:Class "C" cement plus additives at 12.5 ppg, 2.13 CF/sx and water 11.16 gals/sx and 665 sx Class "C" cement at 14.8 ppg, 1.33 CF/sx and water 6.31 gals/sx.

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**From:** Blain Lewis**Sent:** Tuesday, December 10, 2013 10:13 AM**To:** Zeke Salaz**Cc:** Barry Hunt**Subject:** Hamon Fed Com A #'s 1H, 2H and 4H APD's

[Quoted text hidden]

See COA

In the event that circulation is lost while drilling the 12-1/4" intermediate hole in the Capitan Reef at  $\approx$  4000', we will plan to install a DV tool and external casing packer within 200' of the top depth where lost circulation occurred and will pump a two-stage cement job using the same lead and tail cement slurries as <sup>NB</sup> specified in the single stage cement job. The cement volumes for the two-stage job will be calculated using 100% excess above normal hole volume.

see previous page (e-mail)

There will be lead and tail slurries for each of the two stages of the 2-stage cementing jobs on the 9 5/8" intermediate casing. Legacy only plans to pump a 2-stage cementing procedure on the 9 5/8" intermediate casing if we lose circulation in the Capitan Reef. If there is no lost circulation a single stage cementing procedure will be followed. Legacy plans to cement to surface regardless of whether a single stage or 2-stage procedure.

12. Pressure Control Eqpt/BOP:

Legacy Reserves plans to use a 13-5/8" 5000-psi working pressure BOP system consisting of a double ram BOP with one ram being pipe and one ram being blind, a 5000-psi annular type preventer, a 5000-psi choke manifold and 80 gallon accumulator with floor, five remote operating stations and an auxiliary power system. A rotating head will be utilized as needed. A drill string safety valve in the open position will be available on the rig floor. A mud gas separator will be available for use if needed.

The BOP unit will be hydraulically operated. The BOP will be operated at least once per day while drilling and the blind rams will be operated when out of hole during trips. No abnormal pressure or temperature is expected while drilling. From the base of the 13-3/8" surface casing through the running of production casing, the well will be equipped with a 5000 psi BOP system.

The BOPs will be tested by an independent service company to 250 psi low and 5000 psi high.

13. Testing, Logging, and Coring Program:

- A. Mud logging program: 2 man unit from approximately 200' above the top of the Delaware to TD (5200' – 15,884').
- B. Open hole logging is planned from TD of the pilot hole (11,100') to the top of the Delaware (est. 5436').
- C. No DST's or cores are planned.

14. Potential Hazards

No abnormal pressures or temperatures are expected during the drilling of this well. If H2S is encountered the operator will comply with provisions of Onshore Order 6. Since there will be an H2S Safety package on location, attached is an "H2S Drilling Operations Plan". Adequate flare lines will be installed on the mud/gas separator so gas may be flared safely. All personnel will be familiar with all aspects of safe operations of equipment being used. Lost circulation may occur and a cement contingency plan is included in this plan along with mud materials to be kept on location at all times in order to combat lost circulation or unexpected kicks. Estimated BHP: 4786 psi, estimated BHT: 170°F.

See COA

15. **Road and Location**

Road and location construction will begin after BLM approval of the APD. The anticipated spud date is May 25, 2014. Drilling is expected to take 30-35 days and an additional 10 days for the completion.

16. **Additional Requirements of Project:**

Completion: The targeted Bone Spring pay zone will be perforated and stimulated in multiple stages using acid and hydraulic fracturing treatments. Fresh water used in the drilling and completion of this well will be transferred from off-site via temporary flowlines and stored in frac tanks on the location.

..... Vertically/directionally drilled; not perf'd

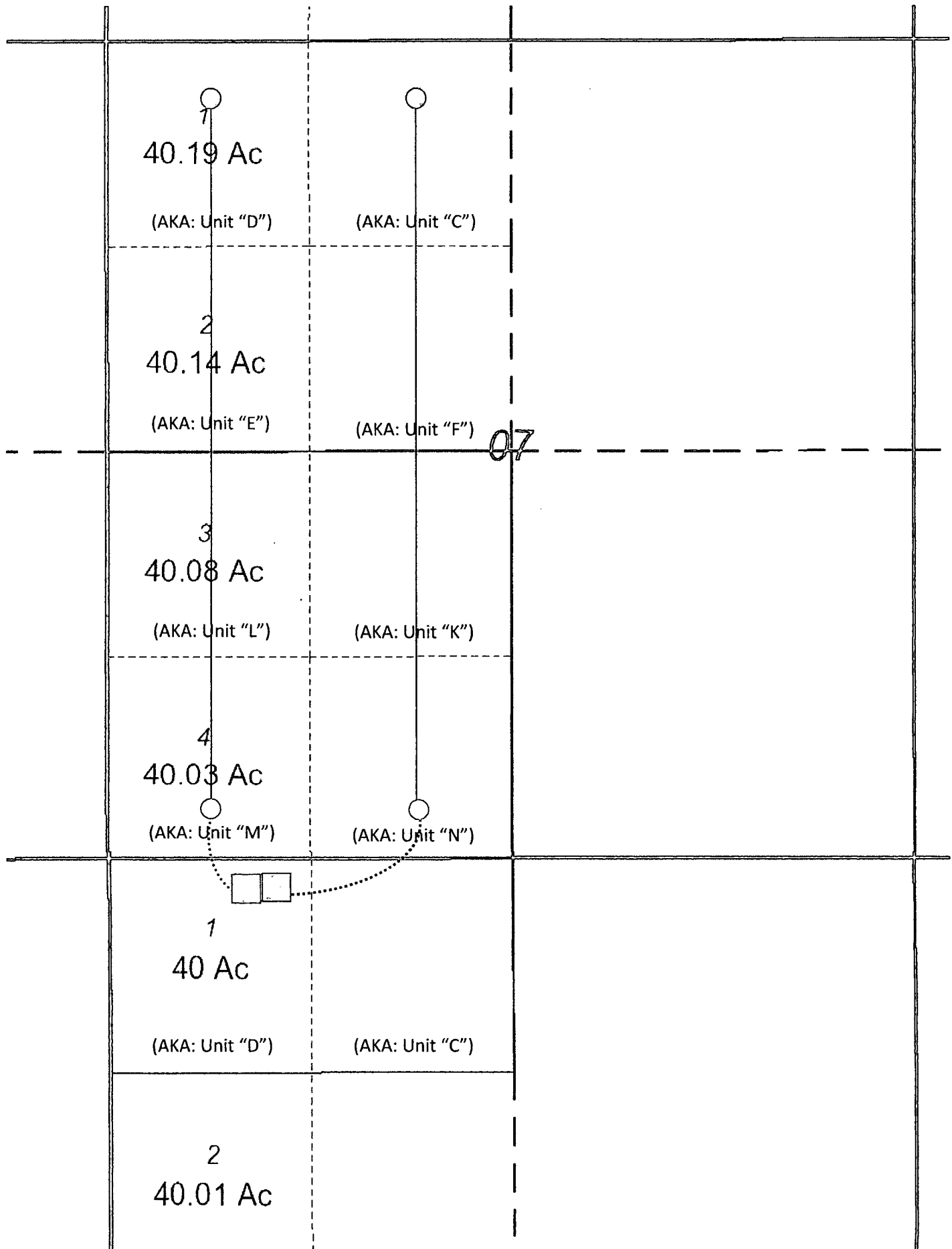
————— Horizontally drilled; perf'd

○ First Perf; Upper Perf Point

○ Last Perf; Lower Perf Point

□ Hamon Fed Com A 2H

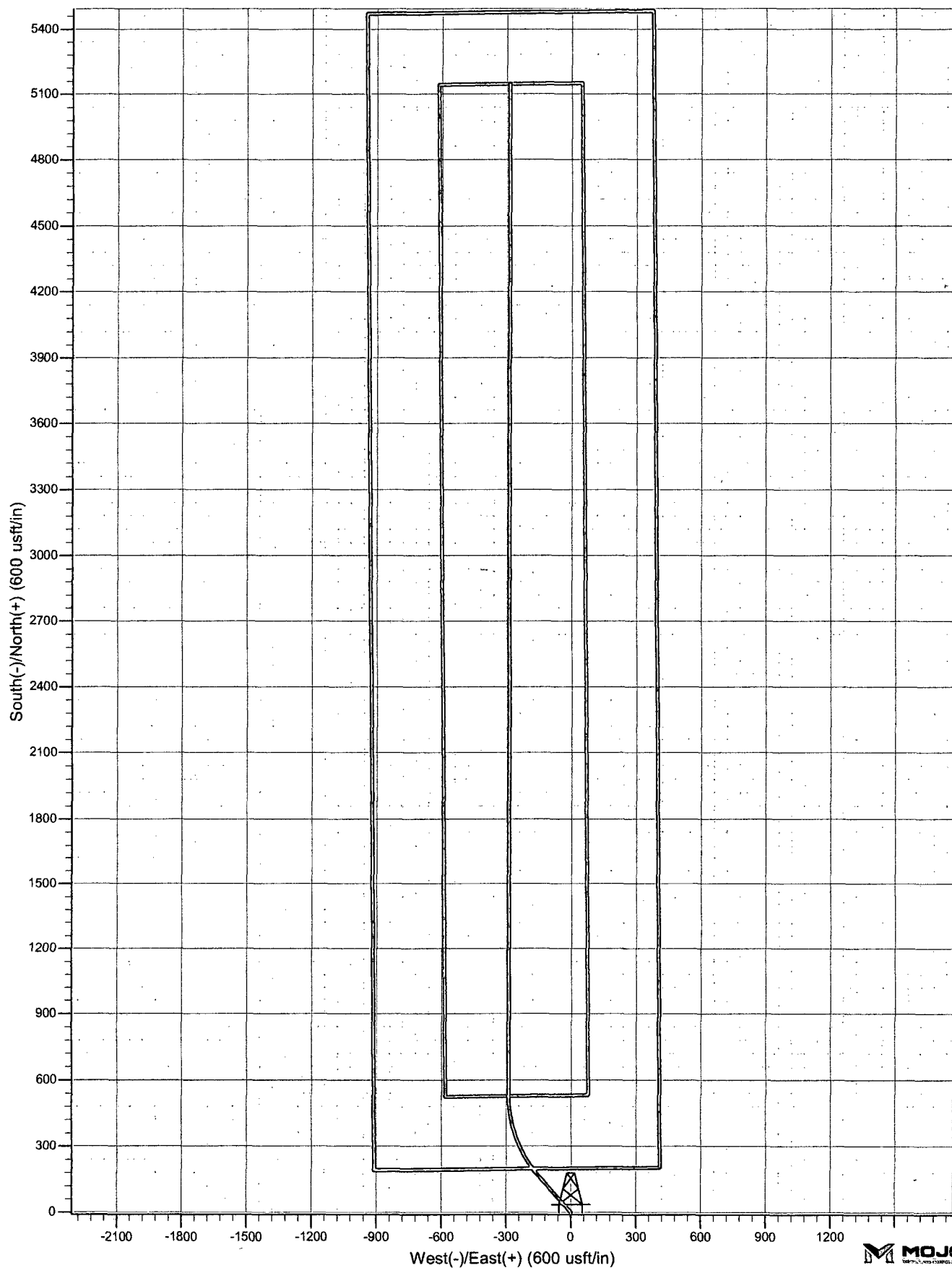
□ Hamon Fed Com A 1H



Project: Hamon  
Site: Hamon Fed Com A 2H  
Well: Hamon Fed Com A 2H  
Wellbore: 130430 Hamon Fed Com 2H  
Design: 130430 Hamon Fed Com 2H



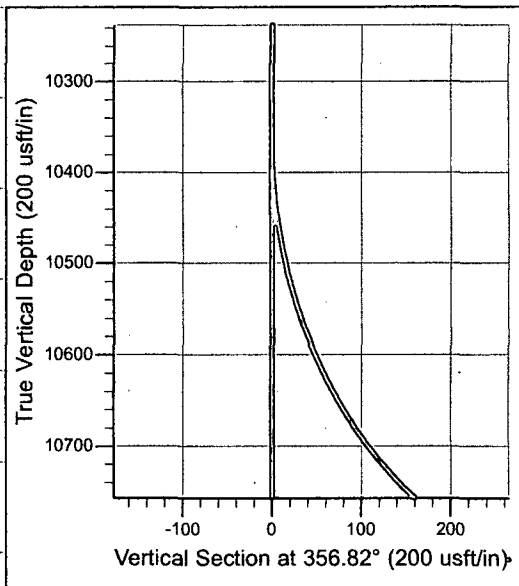
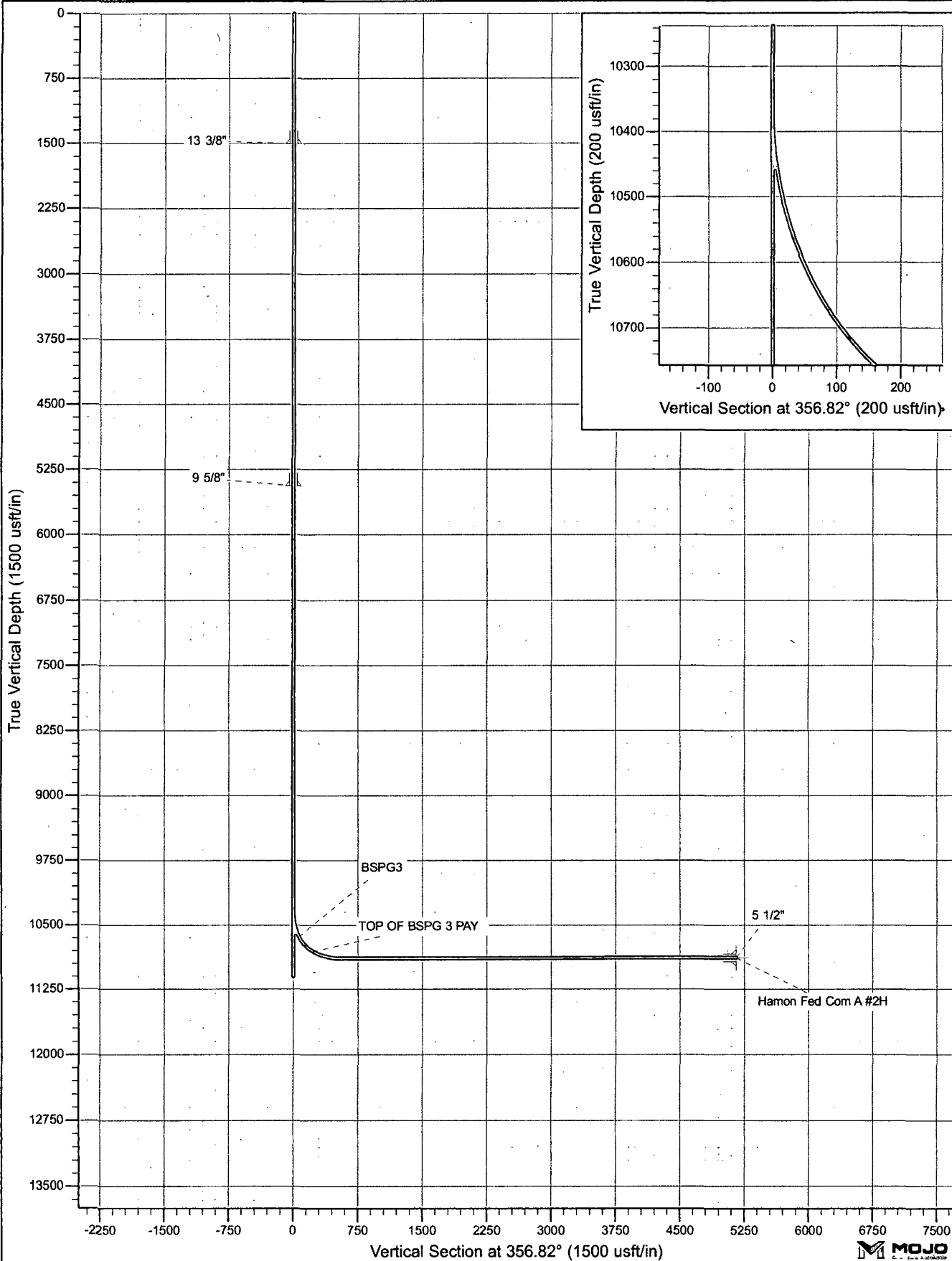
Azimuths to Grid North:  
True North: -0.39°  
Magnetic North: 7.00°  
Magnetic Field:  
Strength: 48680.2nT  
Dip Angle: 60.49°  
Date: 01/05/2013  
Model: IGRF200510



Project: Hamon  
 Site: Hamon Fed Com A 2H  
 Well: Hamon Fed Com A 2H  
 Wellbore: 130430 Hamon Fed Com 2H  
 Design: 130430 Hamon Fed Com 2H



Azimuths to Grid North  
 True North: -0.39°  
 Magnetic North: 7.00°  
 Magnetic Field  
 Strength: 48680.2nT  
 Dip Angle: 60.49°  
 Date: 01/05/2013  
 Model: IGRF200510



# **Legacy Reserves LP**

**Hamon**

**Hamon Fed Com A 2H**

**130430 Hamon Fed Com 2H**

**Plan: 130430 Hamon Fed A Com 2H**

## **MOJO Standard Survey**



**MOJO**  
DIRECTIONAL CORPORATION

## MOJO Standard Survey



|                  |                         |  |  |                                     |                                        |
|------------------|-------------------------|--|--|-------------------------------------|----------------------------------------|
| <b>Company:</b>  | Legacy Reserves LP      |  |  | <b>Local Co-ordinate Reference:</b> | Site Hamon Fed Com A 2H                |
| <b>Project:</b>  | Hamon                   |  |  | <b>TVD Reference:</b>               | WELL @ 3636.0usft (Original Well Elev) |
| <b>Site:</b>     | Hamon Fed Com A 2H      |  |  | <b>MD Reference:</b>                | WELL @ 3636.0usft (Original Well Elev) |
| <b>Well:</b>     | Hamon Fed Com A 2H      |  |  | <b>North Reference:</b>             | Grid                                   |
| <b>Wellbore:</b> | 130430 Hamon Fed Com 2H |  |  | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | 130430 Hamon Fed Com 2H |  |  | <b>Database:</b>                    | EDM 5000.1 Single User Db              |

|                    |                                      |  |                      |                |  |
|--------------------|--------------------------------------|--|----------------------|----------------|--|
| <b>Project</b>     | Hamon                                |  |                      |                |  |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) |  | <b>System Datum:</b> | Mean Sea Level |  |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |  |                      |                |  |
| <b>Map Zone:</b>   | New Mexico East 3001                 |  |                      |                |  |

|                              |                    |                     |                 |                          |                   |
|------------------------------|--------------------|---------------------|-----------------|--------------------------|-------------------|
| <b>Site</b>                  | Hamon Fed Com A 2H |                     |                 |                          |                   |
| <b>Site Position:</b>        |                    | <b>Northing:</b>    | 575,376.00 usft | <b>Latitude:</b>         | 32° 34' 46.929 N  |
| <b>From:</b>                 | Map                | <b>Easting:</b>     | 724,428.80 usft | <b>Longitude:</b>        | 103° 36' 17.079 W |
| <b>Position Uncertainty:</b> | 0.0 usft           | <b>Slot Radius:</b> | 13-3/16 "       | <b>Grid Convergence:</b> | 0.39 °            |

|                             |                    |          |                            |                 |                      |                   |
|-----------------------------|--------------------|----------|----------------------------|-----------------|----------------------|-------------------|
| <b>Well</b>                 | Hamon Fed Com A 2H |          |                            |                 |                      |                   |
| <b>Well Position</b>        | +N/-S              | 0.0 usft | <b>Northing:</b>           | 575,376.00 usft | <b>Latitude:</b>     | 32° 34' 46.929 N  |
|                             | +E/-W              | 0.0 usft | <b>Easting:</b>            | 724,428.80 usft | <b>Longitude:</b>    | 103° 36' 17.079 W |
| <b>Position Uncertainty</b> |                    | 0.0 usft | <b>Wellhead Elevation:</b> | usft            | <b>Ground Level:</b> | 3,610.0 usft      |

|                  |                           |                    |                           |                         |                               |
|------------------|---------------------------|--------------------|---------------------------|-------------------------|-------------------------------|
| <b>Wellbore</b>  | 130430 Hamon Fed A Com 2H |                    |                           |                         |                               |
| <b>Magnetics</b> | <b>Model Name</b>         | <b>Sample Date</b> | <b>Declination</b><br>(°) | <b>Dip Angle</b><br>(°) | <b>Field Strength</b><br>(nT) |
|                  | IGRF200510                | 01/05/2013         | 7.39                      | 60.49                   | 48,680                        |

|                          |                                   |                        |                        |                         |  |
|--------------------------|-----------------------------------|------------------------|------------------------|-------------------------|--|
| <b>Design</b>            | 130430 Hamon Fed A Com 2H         |                        |                        |                         |  |
| <b>Audit Notes:</b>      |                                   |                        |                        |                         |  |
| <b>Version:</b>          | <b>Phase:</b>                     | PLAN                   | <b>Tie On Depth:</b>   | 10,365.0                |  |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b><br>(usft) | <b>+N/-S</b><br>(usft) | <b>+E/-W</b><br>(usft) | <b>Direction</b><br>(°) |  |
|                          | 0.0                               | 0.0                    | 0.0                    | 356.82                  |  |

## MOJO Standard Survey



|                  |                           |                                     |                                        |
|------------------|---------------------------|-------------------------------------|----------------------------------------|
| <b>Company:</b>  | Legacy Reserves LP        | <b>Local Co-ordinate Reference:</b> | Site Hamon Fed Com A 2H                |
| <b>Project:</b>  | Hamon                     | <b>TVD Reference:</b>               | WELL @ 3636.0usft (Original Well Elev) |
| <b>Site:</b>     | Hamon Fed Com A 2H        | <b>MD Reference:</b>                | WELL @ 3636.0usft (Original Well Elev) |
| <b>Well:</b>     | Hamon Fed Com A 2H        | <b>North Reference:</b>             | Grid                                   |
| <b>Wellbore:</b> | 130430 Hamon Fed A Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | 130430 Hamon Fed A Com 2H | <b>Database:</b>                    | EDM 5000.1 Single User Db              |

| Survey Tool Program |              | Date                      | 01/05/2013 |             |  |
|---------------------|--------------|---------------------------|------------|-------------|--|
| From<br>(usft)      | To<br>(usft) | Survey (Wellbore)         | Tool Name  | Description |  |
| 0.0                 | 10,365.0     | 130430 Hamon Fed A 2H MH  |            |             |  |
| 10,365.0            | 15,884.3     | 130430 Hamon Fed A Com 2H |            |             |  |

| <b>Planned Survey</b> |         |                   |            |              |            |            |               |                  |                 |                |  |
|-----------------------|---------|-------------------|------------|--------------|------------|------------|---------------|------------------|-----------------|----------------|--|
| 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              | 0.0        | -3,636.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 100.0                 | 0.00    | 0.00              | 100.0      | -3,536.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 200.0                 | 0.00    | 0.00              | 200.0      | -3,436.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 300.0                 | 0.00    | 0.00              | 300.0      | -3,336.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 400.0                 | 0.00    | 0.00              | 400.0      | -3,236.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 500.0                 | 0.00    | 0.00              | 500.0      | -3,136.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 600.0                 | 0.00    | 0.00              | 600.0      | -3,036.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 700.0                 | 0.00    | 0.00              | 700.0      | -2,936.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 800.0                 | 0.00    | 0.00              | 800.0      | -2,836.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 900.0                 | 0.00    | 0.00              | 900.0      | -2,736.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 1,000.0               | 0.00    | 0.00              | 1,000.0    | -2,636.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 1,100.0               | 0.00    | 0.00              | 1,100.0    | -2,536.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 1,200.0               | 0.00    | 0.00              | 1,200.0    | -2,436.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 1,300.0               | 0.00    | 0.00              | 1,300.0    | -2,336.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 1,400.0               | 0.00    | 0.00              | 1,400.0    | -2,236.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 1,499.0               | 0.00    | 0.00              | 1,499.0    | -2,137.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 13 3/8"               |         |                   |            |              |            |            |               |                  |                 |                |  |
| 1,500.0               | 0.00    | 0.00              | 1,500.0    | -2,136.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 1,600.0               | 0.00    | 0.00              | 1,600.0    | -2,036.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 1,700.0               | 0.00    | 0.00              | 1,700.0    | -1,936.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |
| 1,800.0               | 0.00    | 0.00              | 1,800.0    | -1,836.0     | 0.0        | 0.0        | 0.0           | 0.00             | 575,376.00      | 724,428.80     |  |

MOJO Standard Survey



|                  |                           |                                     |                                        |
|------------------|---------------------------|-------------------------------------|----------------------------------------|
| <b>Company:</b>  | Legacy Reserves LP        | <b>Local Co-ordinate Reference:</b> | Site Hamon Fed Com A 2H                |
| <b>Project:</b>  | Hamon                     | <b>TVD Reference:</b>               | WELL @ 3636.0usft (Original Well Elev) |
| <b>Site:</b>     | Hamon Fed Com A 2H        | <b>MD Reference:</b>                | WELL @ 3636.0usft (Original Well Elev) |
| <b>Well:</b>     | Hamon Fed Com A 2H        | <b>North Reference:</b>             | Grid                                   |
| <b>Wellbore:</b> | 130430 Hamon Fed A Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | 130430 Hamon Fed A Com 2H | <b>Database:</b>                    | EDM 5000.1 Single User Db              |

| Planned Survey |            |                      |               |                 |               |               |                  |                     |                    |                   |  |
|----------------|------------|----------------------|---------------|-----------------|---------------|---------------|------------------|---------------------|--------------------|-------------------|--|
| MD<br>(usft)   | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | TVDSS<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) | Northing<br>(usft) | Easting<br>(usft) |  |
| 1,900.0        | 0.00       | 0.00                 | 1,900.0       | -1,736.0        | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 2,000.0        | 0.00       | 0.00                 | 2,000.0       | -1,636.0        | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 2,100.0        | 0.00       | 0.00                 | 2,100.0       | -1,536.0        | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 2,200.0        | 0.00       | 0.00                 | 2,200.0       | -1,436.0        | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 2,300.0        | 0.00       | 0.00                 | 2,300.0       | -1,336.0        | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 2,400.0        | 0.00       | 0.00                 | 2,400.0       | -1,236.0        | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 2,500.0        | 0.00       | 0.00                 | 2,500.0       | -1,136.0        | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 2,600.0        | 0.00       | 0.00                 | 2,600.0       | -1,036.0        | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 2,700.0        | 0.00       | 0.00                 | 2,700.0       | -936.0          | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 2,800.0        | 0.00       | 0.00                 | 2,800.0       | -836.0          | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 2,900.0        | 0.00       | 0.00                 | 2,900.0       | -736.0          | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 3,000.0        | 0.00       | 0.00                 | 3,000.0       | -636.0          | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 3,100.0        | 0.00       | 0.00                 | 3,100.0       | -536.0          | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 3,200.0        | 0.00       | 0.00                 | 3,200.0       | -436.0          | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 3,300.0        | 0.00       | 0.00                 | 3,300.0       | -336.0          | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 3,400.0        | 0.00       | 0.00                 | 3,400.0       | -236.0          | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 3,500.0        | 0.00       | 0.00                 | 3,500.0       | -136.0          | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 3,600.0        | 0.00       | 0.00                 | 3,600.0       | -36.0           | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 3,700.0        | 0.00       | 0.00                 | 3,700.0       | 64.0            | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 3,800.0        | 0.00       | 0.00                 | 3,800.0       | 164.0           | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 3,900.0        | 0.00       | 0.00                 | 3,900.0       | 264.0           | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 4,000.0        | 0.00       | 0.00                 | 4,000.0       | 364.0           | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 4,100.0        | 0.00       | 0.00                 | 4,100.0       | 464.0           | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 4,200.0        | 0.00       | 0.00                 | 4,200.0       | 564.0           | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 4,300.0        | 0.00       | 0.00                 | 4,300.0       | 664.0           | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 4,400.0        | 0.00       | 0.00                 | 4,400.0       | 764.0           | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 4,500.0        | 0.00       | 0.00                 | 4,500.0       | 864.0           | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |

## MOJO Standard Survey



|                  |                           |                                     |                                        |
|------------------|---------------------------|-------------------------------------|----------------------------------------|
| <b>Company:</b>  | Legacy Reserves LP        | <b>Local Co-ordinate Reference:</b> | Site Hamon Fed Com A 2H                |
| <b>Project:</b>  | Hamon                     | <b>TVD Reference:</b>               | WELL @ 3636.0usft (Original Well Elev) |
| <b>Site:</b>     | Hamon Fed Com A 2H        | <b>MD Reference:</b>                | WELL @ 3636.0usft (Original Well Elev) |
| <b>Well:</b>     | Hamon Fed Com A 2H        | <b>North Reference:</b>             | Grid                                   |
| <b>Wellbore:</b> | 130430 Hamon Fed A Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | 130430 Hamon Fed A Com 2H | <b>Database:</b>                    | EDM 5000.1 Single User Db              |

| Planned Survey |            |                      |               |                 |               |               |                  |                     |                    |                   |  |
|----------------|------------|----------------------|---------------|-----------------|---------------|---------------|------------------|---------------------|--------------------|-------------------|--|
| MD<br>(usft)   | Inc<br>(") | Azi (azimuth)<br>(") | TVD<br>(usft) | TVDSS<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | V. Sec<br>(usft) | DLeg<br>("/100usft) | Northing<br>(usft) | Easting<br>(usft) |  |
| 4,600.0        | 0.00       | 0.00                 | 4,600.0       | 964.0           | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 4,700.0        | 0.00       | 0.00                 | 4,700.0       | 1,064.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 4,800.0        | 0.00       | 0.00                 | 4,800.0       | 1,164.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 4,900.0        | 0.00       | 0.00                 | 4,900.0       | 1,264.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 5,000.0        | 0.00       | 0.00                 | 5,000.0       | 1,364.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 5,100.0        | 0.00       | 0.00                 | 5,100.0       | 1,464.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 5,200.0        | 0.00       | 0.00                 | 5,200.0       | 1,564.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 5,300.0        | 0.00       | 0.00                 | 5,300.0       | 1,664.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 5,400.0        | 0.00       | 0.00                 | 5,400.0       | 1,764.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 5,436.0        | 0.00       | 0.00                 | 5,436.0       | 1,800.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 9 5/8"         |            |                      |               |                 |               |               |                  |                     |                    |                   |  |
| 5,500.0        | 0.00       | 0.00                 | 5,500.0       | 1,864.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 5,600.0        | 0.00       | 0.00                 | 5,600.0       | 1,964.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 5,700.0        | 0.00       | 0.00                 | 5,700.0       | 2,064.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 5,800.0        | 0.00       | 0.00                 | 5,800.0       | 2,164.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 5,900.0        | 0.00       | 0.00                 | 5,900.0       | 2,264.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 6,000.0        | 0.00       | 0.00                 | 6,000.0       | 2,364.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 6,100.0        | 0.00       | 0.00                 | 6,100.0       | 2,464.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 6,200.0        | 0.00       | 0.00                 | 6,200.0       | 2,564.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 6,300.0        | 0.00       | 0.00                 | 6,300.0       | 2,664.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 6,400.0        | 0.00       | 0.00                 | 6,400.0       | 2,764.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 6,500.0        | 0.00       | 0.00                 | 6,500.0       | 2,864.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 6,600.0        | 0.00       | 0.00                 | 6,600.0       | 2,964.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 6,700.0        | 0.00       | 0.00                 | 6,700.0       | 3,064.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 6,800.0        | 0.00       | 0.00                 | 6,800.0       | 3,164.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 6,900.0        | 0.00       | 0.00                 | 6,900.0       | 3,264.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |
| 7,000.0        | 0.00       | 0.00                 | 7,000.0       | 3,364.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |  |

## MOJO Standard Survey



**Company:** Legacy Reserves LP  
**Project:** Hamon  
**Site:** Hamon Fed Com A 2H  
**Well:** Hamon Fed Com A 2H  
**Wellbore:** 130430 Hamon Fed A Com 2H  
**Design:** 130430 Hamon Fed A Com 2H

**Local Co-ordinate Reference:**  
**TVD Reference:**  
**MD Reference:**  
**North Reference:**  
**Survey Calculation Method:**  
**Database:**

**Site Hamon Fed Com A 2H**  
**WELL @ 3636.0usft (Original Well Elev)**  
**WELL @ 3636.0usft (Original Well Elev)**  
**Grid**  
**Minimum Curvature**  
**EDM 5000.1 Single User Db**

## Planned Survey

| MD<br>(usft)    | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | TVDSS<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) | Northing<br>(usft) | Easting<br>(usft) |
|-----------------|------------|----------------------|---------------|-----------------|---------------|---------------|------------------|---------------------|--------------------|-------------------|
| 7,100.0         | 0.00       | 0.00                 | 7,100.0       | 3,464.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 7,200.0         | 0.00       | 0.00                 | 7,200.0       | 3,564.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 7,300.0         | 0.00       | 0.00                 | 7,300.0       | 3,664.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 7,400.0         | 0.00       | 0.00                 | 7,400.0       | 3,764.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 7,500.0         | 0.00       | 0.00                 | 7,500.0       | 3,864.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 7,600.0         | 0.00       | 0.00                 | 7,600.0       | 3,964.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 7,700.0         | 0.00       | 0.00                 | 7,700.0       | 4,064.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 7,800.0         | 0.00       | 0.00                 | 7,800.0       | 4,164.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 7,900.0         | 0.00       | 0.00                 | 7,900.0       | 4,264.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 8,000.0         | 0.00       | 0.00                 | 8,000.0       | 4,364.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 8,100.0         | 0.00       | 0.00                 | 8,100.0       | 4,464.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 8,200.0         | 0.00       | 0.00                 | 8,200.0       | 4,564.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 8,300.0         | 0.00       | 0.00                 | 8,300.0       | 4,664.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 8,400.0         | 0.00       | 0.00                 | 8,400.0       | 4,764.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 8,500.0         | 0.00       | 0.00                 | 8,500.0       | 4,864.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 8,600.0         | 0.00       | 0.00                 | 8,600.0       | 4,964.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 8,700.0         | 0.00       | 0.00                 | 8,700.0       | 5,064.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 8,800.0         | 0.00       | 0.00                 | 8,800.0       | 5,164.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 8,900.0         | 0.00       | 0.00                 | 8,900.0       | 5,264.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 9,000.0         | 0.00       | 0.00                 | 9,000.0       | 5,364.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 9,100.0         | 0.00       | 0.00                 | 9,100.0       | 5,464.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 9,200.0         | 0.00       | 0.00                 | 9,200.0       | 5,564.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 9,300.0         | 0.00       | 0.00                 | 9,300.0       | 5,664.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 9,392.0         | 0.00       | 0.00                 | 9,392.0       | 5,756.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| <b>BSPG 1SS</b> |            |                      |               |                 |               |               |                  |                     |                    |                   |
| 9,400.0         | 0.00       | 0.00                 | 9,400.0       | 5,764.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |
| 9,500.0         | 0.00       | 0.00                 | 9,500.0       | 5,864.0         | 0.0           | 0.0           | 0.0              | 0.00                | 575,376.00         | 724,428.80        |

## MOJO Standard Survey



|                                            |                   |                             |                                     |                        |                      |                      |                         |                                            |                           |                          |                                        |  |  |
|--------------------------------------------|-------------------|-----------------------------|-------------------------------------|------------------------|----------------------|----------------------|-------------------------|--------------------------------------------|---------------------------|--------------------------|----------------------------------------|--|--|
| <b>Company:</b> Legacy Reserves LP         |                   |                             | <b>Local Co-ordinate Reference:</b> |                        |                      |                      |                         | <b>Site</b> Hamon Fed Com A 2H             |                           |                          |                                        |  |  |
| <b>Project:</b> Hamon                      |                   |                             |                                     |                        |                      |                      |                         | <b>TVD Reference:</b>                      |                           |                          | WELL @ 3636.0usft (Original Well Elev) |  |  |
| <b>Site:</b> Hamon Fed Com A 2H            |                   |                             |                                     |                        |                      |                      |                         | <b>MD Reference:</b>                       |                           |                          | WELL @ 3636.0usft (Original Well Elev) |  |  |
| <b>Well:</b> Hamon Fed Com A 2H            |                   |                             |                                     |                        |                      |                      |                         | <b>North Reference:</b>                    |                           |                          | Grid                                   |  |  |
| <b>Wellbore:</b> 130430 Hamon Fed A Com 2H |                   |                             |                                     |                        |                      |                      |                         | <b>Survey Calculation Method:</b>          |                           |                          | Minimum Curvature                      |  |  |
| <b>Design:</b> 130430 Hamon Fed A Com 2H   |                   |                             |                                     |                        |                      |                      |                         | <b>Database:</b> EDM 5000.1 Single User Db |                           |                          |                                        |  |  |
| <b>Planned Survey</b>                      |                   |                             |                                     |                        |                      |                      |                         |                                            |                           |                          |                                        |  |  |
| <b>MD</b><br>(usft)                        | <b>Inc</b><br>(°) | <b>Azi</b> (azimuth)<br>(°) | <b>TVD</b><br>(usft)                | <b>TVDSS</b><br>(usft) | <b>N/S</b><br>(usft) | <b>E/W</b><br>(usft) | <b>V. Sec</b><br>(usft) | <b>DLeg</b><br>(°/100usft)                 | <b>Northing</b><br>(usft) | <b>Easting</b><br>(usft) |                                        |  |  |
| 9,600.0                                    | 0.00              | 0.00                        | 9,600.0                             | 5,964.0                | 0.0                  | 0.0                  | 0.0                     | 0.00                                       | 575,376.00                | 724,428.80               |                                        |  |  |
| 9,700.0                                    | 0.00              | 0.00                        | 9,700.0                             | 6,064.0                | 0.0                  | 0.0                  | 0.0                     | 0.00                                       | 575,376.00                | 724,428.80               |                                        |  |  |
| 9,800.0                                    | 0.00              | 0.00                        | 9,800.0                             | 6,164.0                | 0.0                  | 0.0                  | 0.0                     | 0.00                                       | 575,376.00                | 724,428.80               |                                        |  |  |
| 9,900.0                                    | 0.00              | 0.00                        | 9,900.0                             | 6,264.0                | 0.0                  | 0.0                  | 0.0                     | 0.00                                       | 575,376.00                | 724,428.80               |                                        |  |  |
| 9,943.0                                    | 0.00              | 0.00                        | 9,943.0                             | 6,307.0                | 0.0                  | 0.0                  | 0.0                     | 0.00                                       | 575,376.00                | 724,428.80               |                                        |  |  |
| <b>BSPG 2SS</b>                            |                   |                             |                                     |                        |                      |                      |                         |                                            |                           |                          |                                        |  |  |
| 10,000.0                                   | 0.00              | 0.00                        | 10,000.0                            | 6,364.0                | 0.0                  | 0.0                  | 0.0                     | 0.00                                       | 575,376.00                | 724,428.80               |                                        |  |  |
| 10,100.0                                   | 0.00              | 0.00                        | 10,100.0                            | 6,464.0                | 0.0                  | 0.0                  | 0.0                     | 0.00                                       | 575,376.00                | 724,428.80               |                                        |  |  |
| 10,200.0                                   | 0.00              | 0.00                        | 10,200.0                            | 6,564.0                | 0.0                  | 0.0                  | 0.0                     | 0.00                                       | 575,376.00                | 724,428.80               |                                        |  |  |
| 10,300.0                                   | 0.00              | 0.00                        | 10,300.0                            | 6,664.0                | 0.0                  | 0.0                  | 0.0                     | 0.00                                       | 575,376.00                | 724,428.80               |                                        |  |  |
| 10,322.0                                   | 0.00              | 0.00                        | 10,322.0                            | 6,686.0                | 0.0                  | 0.0                  | 0.0                     | 0.00                                       | 575,376.00                | 724,428.80               |                                        |  |  |
| <b>BSPG 2D SS</b>                          |                   |                             |                                     |                        |                      |                      |                         |                                            |                           |                          |                                        |  |  |
| 10,365.0                                   | 0.00              | 0.00                        | 10,365.0                            | 6,729.0                | 0.0                  | 0.0                  | 0.0                     | 0.00                                       | 575,376.00                | 724,428.80               |                                        |  |  |
| 10,375.0                                   | 1.20              | 318.00                      | 10,375.0                            | 6,739.0                | 0.1                  | -0.1                 | 0.1                     | 12.00                                      | 575,376.08                | 724,428.73               |                                        |  |  |
| 10,400.0                                   | 4.20              | 318.00                      | 10,400.0                            | 6,764.0                | 1.0                  | -0.9                 | 1.0                     | 12.00                                      | 575,376.95                | 724,427.94               |                                        |  |  |
| 10,425.0                                   | 7.20              | 318.00                      | 10,424.8                            | 6,788.8                | 2.8                  | -2.5                 | 2.9                     | 12.00                                      | 575,378.80                | 724,426.28               |                                        |  |  |
| 10,450.0                                   | 10.20             | 318.00                      | 10,449.6                            | 6,813.6                | 5.6                  | -5.0                 | 5.9                     | 12.00                                      | 575,381.61                | 724,423.75               |                                        |  |  |
| 10,475.0                                   | 13.20             | 318.00                      | 10,474.0                            | 6,838.0                | 9.4                  | -8.4                 | 9.8                     | 12.00                                      | 575,385.37                | 724,420.36               |                                        |  |  |
| 10,500.0                                   | 16.20             | 318.00                      | 10,498.2                            | 6,862.2                | 14.1                 | -12.7                | 14.8                    | 12.00                                      | 575,390.09                | 724,416.11               |                                        |  |  |
| 10,525.0                                   | 19.20             | 318.00                      | 10,522.0                            | 6,886.0                | 19.7                 | -17.8                | 20.7                    | 12.00                                      | 575,395.74                | 724,411.03               |                                        |  |  |
| 10,550.0                                   | 22.20             | 318.00                      | 10,545.4                            | 6,909.4                | 26.3                 | -23.7                | 27.6                    | 12.00                                      | 575,402.30                | 724,405.12               |                                        |  |  |
| 10,575.0                                   | 25.20             | 318.00                      | 10,568.3                            | 6,932.3                | 33.8                 | -30.4                | 35.4                    | 12.00                                      | 575,409.77                | 724,398.39               |                                        |  |  |
| 10,600.0                                   | 28.20             | 318.00                      | 10,590.6                            | 6,954.6                | 42.1                 | -37.9                | 44.2                    | 12.00                                      | 575,418.12                | 724,390.88               |                                        |  |  |
| 10,625.0                                   | 31.20             | 318.00                      | 10,612.3                            | 6,976.3                | 51.3                 | -46.2                | 53.8                    | 12.00                                      | 575,427.32                | 724,382.59               |                                        |  |  |
| 10,647.1                                   | 33.86             | 318.00                      | 10,631.0                            | 6,995.0                | 60.2                 | -54.2                | 63.1                    | 12.00                                      | 575,436.16                | 724,374.63               |                                        |  |  |
| <b>BSPG3</b>                               |                   |                             |                                     |                        |                      |                      |                         |                                            |                           |                          |                                        |  |  |
| 10,650.0                                   | 34.20             | 318.00                      | 10,633.4                            | 6,997.4                | 61.4                 | -55.2                | 64.3                    | 12.00                                      | 575,437.36                | 724,373.55               |                                        |  |  |

## MOJO Standard Survey



|                  |                           |                                     |                                        |
|------------------|---------------------------|-------------------------------------|----------------------------------------|
| <b>Company:</b>  | Legacy Reserves LP        | <b>Local Co-ordinate Reference:</b> | Site Hamon Fed Com A 2H                |
| <b>Project:</b>  | Hamon                     | <b>TVD Reference:</b>               | WELL @ 3636.0usft (Original Well Elev) |
| <b>Site:</b>     | Hamon Fed Com A 2H        | <b>MD Reference:</b>                | WELL @ 3636.0usft (Original Well Elev) |
| <b>Well:</b>     | Hamon Fed Com A 2H        | <b>North Reference:</b>             | Grid                                   |
| <b>Wellbore:</b> | 130430 Hamon Fed A Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | 130430 Hamon Fed A Com 2H | <b>Database:</b>                    | EDM 5000.1 Single User Db              |

| Planned Survey    |            |                      |               |                 |               |               |                  |                     |                    |                   |  |
|-------------------|------------|----------------------|---------------|-----------------|---------------|---------------|------------------|---------------------|--------------------|-------------------|--|
| MD<br>(usft)      | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | TVDSS<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) | Northing<br>(usft) | Easting<br>(usft) |  |
| 10,675.0          | 37.20      | 318.00               | 10,653.7      | 7,017.7         | 72.2          | -65.0         | 75.7             | 12.00               | 575,448.20         | 724,363.79        |  |
| 10,700.0          | 40.20      | 318.00               | 10,673.2      | 7,037.2         | 83.8          | -75.5         | 87.9             | 12.00               | 575,459.81         | 724,353.34        |  |
| 10,725.0          | 43.20      | 318.00               | 10,691.8      | 7,055.8         | 96.2          | -86.6         | 100.8            | 12.00               | 575,472.17         | 724,342.21        |  |
| 10,750.0          | 46.20      | 318.00               | 10,709.6      | 7,073.6         | 109.2         | -98.4         | 114.5            | 12.00               | 575,485.24         | 724,330.44        |  |
| 10,775.0          | 49.20      | 318.00               | 10,726.4      | 7,090.4         | 123.0         | -110.7        | 128.9            | 12.00               | 575,498.98         | 724,318.07        |  |
| 10,800.0          | 52.20      | 318.00               | 10,742.3      | 7,106.3         | 137.4         | -123.7        | 144.0            | 12.00               | 575,513.35         | 724,305.13        |  |
| 10,825.0          | 55.20      | 318.00               | 10,757.1      | 7,121.1         | 152.3         | -137.2        | 159.7            | 12.00               | 575,528.32         | 724,291.65        |  |
| 10,850.0          | 58.20      | 318.00               | 10,770.8      | 7,134.8         | 167.8         | -151.1        | 176.0            | 12.00               | 575,543.85         | 724,277.67        |  |
| 10,865.0          | 60.00      | 318.00               | 10,778.5      | 7,142.5         | 177.4         | -159.7        | 186.0            | 12.00               | 575,553.41         | 724,269.06        |  |
| 10,875.0          | 60.59      | 319.20               | 10,783.5      | 7,147.5         | 183.9         | -165.5        | 192.8            | 12.00               | 575,559.93         | 724,263.31        |  |
| 10,900.0          | 62.10      | 322.15               | 10,795.4      | 7,159.4         | 200.9         | -179.4        | 210.6            | 12.00               | 575,576.90         | 724,249.42        |  |
| 10,925.0          | 63.68      | 325.02               | 10,806.8      | 7,170.8         | 218.8         | -192.6        | 229.2            | 12.00               | 575,594.81         | 724,236.21        |  |
| 10,925.4          | 63.71      | 325.06               | 10,807.0      | 7,171.0         | 219.1         | -192.8        | 229.4            | 12.00               | 575,595.08         | 724,236.02        |  |
| TOP OF BSPG 3 PAY |            |                      |               |                 |               |               |                  |                     |                    |                   |  |
| 10,950.0          | 65.31      | 327.81               | 10,817.6      | 7,181.6         | 237.6         | -205.1        | 248.6            | 12.00               | 575,613.60         | 724,223.74        |  |
| 10,975.0          | 67.00      | 330.53               | 10,827.7      | 7,191.7         | 257.2         | -216.8        | 268.9            | 12.00               | 575,633.24         | 724,212.02        |  |
| 11,000.0          | 68.72      | 333.17               | 10,837.1      | 7,201.1         | 277.7         | -227.7        | 289.9            | 12.00               | 575,653.65         | 724,201.10        |  |
| 11,025.0          | 70.49      | 335.76               | 10,845.8      | 7,209.8         | 298.8         | -237.8        | 311.5            | 12.00               | 575,674.80         | 724,191.01        |  |
| 11,050.0          | 72.30      | 338.29               | 10,853.8      | 7,217.8         | 320.6         | -247.0        | 333.8            | 12.00               | 575,696.61         | 724,181.76        |  |
| 11,075.0          | 74.13      | 340.77               | 10,861.0      | 7,225.0         | 343.0         | -255.4        | 356.7            | 12.00               | 575,719.03         | 724,173.39        |  |
| 11,100.0          | 76.00      | 343.20               | 10,867.5      | 7,231.5         | 366.0         | -262.9        | 380.0            | 12.00               | 575,742.00         | 724,165.93        |  |
| 11,125.0          | 77.88      | 345.59               | 10,873.1      | 7,237.1         | 389.5         | -269.4        | 403.8            | 12.00               | 575,765.45         | 724,159.38        |  |
| 11,150.0          | 79.79      | 347.95               | 10,878.0      | 7,242.0         | 413.3         | -275.0        | 428.0            | 12.00               | 575,789.33         | 724,153.77        |  |
| 11,175.0          | 81.72      | 350.29               | 10,882.0      | 7,246.0         | 437.6         | -279.7        | 452.4            | 12.00               | 575,813.55         | 724,149.11        |  |
| 11,200.0          | 83.65      | 352.59               | 10,885.2      | 7,249.2         | 462.1         | -283.4        | 477.1            | 12.00               | 575,838.07         | 724,145.42        |  |
| 11,225.0          | 85.60      | 354.89               | 10,887.5      | 7,251.5         | 486.8         | -286.1        | 501.9            | 12.00               | 575,862.81         | 724,142.71        |  |
| 11,250.0          | 87.56      | 357.17               | 10,889.0      | 7,253.0         | 511.7         | -287.8        | 526.9            | 12.00               | 575,887.70         | 724,140.98        |  |

## MOJO Standard Survey



|                  |                           |                                     |                                        |
|------------------|---------------------------|-------------------------------------|----------------------------------------|
| <b>Company:</b>  | Legacy Reserves LP        | <b>Local Co-ordinate Reference:</b> | Site Hamon Fed Com A 2H                |
| <b>Project:</b>  | Hamon                     | <b>TVD Reference:</b>               | WELL @ 3636.0usft (Original Well Elev) |
| <b>Site:</b>     | Hamon Fed Com A 2H        | <b>MD Reference:</b>                | WELL @ 3636.0usft (Original Well Elev) |
| <b>Well:</b>     | Hamon Fed Com A 2H        | <b>North Reference:</b>             | Grid                                   |
| <b>Wellbore:</b> | 130430 Hamon Fed A Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | 130430 Hamon Fed A Com 2H | <b>Database:</b>                    | EDM 5000.1 Single User Db              |

## Planned Survey

| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | TVDSS<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) | Northing<br>(usft) | Eastings<br>(usft) |
|--------------|------------|----------------------|---------------|-----------------|---------------|---------------|------------------|---------------------|--------------------|--------------------|
| 11,275.0     | 89.52      | 359.44               | 10,889.6      | 7,253.6         | 536.7         | -288.6        | 551.9            | 12.00               | 575,912.68         | 724,140.24         |
| 11,281.2     | 90.00      | 0.00                 | 10,889.7      | 7,253.7         | 542.9         | -288.6        | 558.0            | 12.00               | 575,918.85         | 724,140.21         |
| 11,300.0     | 90.00      | 0.00                 | 10,889.7      | 7,253.7         | 561.7         | -288.6        | 576.8            | 0.01                | 575,937.68         | 724,140.21         |
| 11,400.0     | 90.02      | 0.00                 | 10,889.7      | 7,253.7         | 661.7         | -288.6        | 676.7            | 0.01                | 576,037.68         | 724,140.22         |
| 11,500.0     | 90.03      | 0.01                 | 10,889.6      | 7,253.6         | 761.7         | -288.6        | 776.5            | 0.01                | 576,137.68         | 724,140.22         |
| 11,600.0     | 90.04      | 0.01                 | 10,889.6      | 7,253.6         | 861.7         | -288.6        | 876.4            | 0.01                | 576,237.68         | 724,140.24         |
| 11,700.0     | 90.05      | 0.01                 | 10,889.5      | 7,253.5         | 961.7         | -288.5        | 976.2            | 0.01                | 576,337.68         | 724,140.25         |
| 11,800.0     | 90.07      | 0.01                 | 10,889.4      | 7,253.4         | 1,061.7       | -288.5        | 1,076.1          | 0.01                | 576,437.68         | 724,140.27         |
| 11,900.0     | 90.08      | 0.02                 | 10,889.2      | 7,253.2         | 1,161.7       | -288.5        | 1,175.9          | 0.01                | 576,537.68         | 724,140.30         |
| 12,000.0     | 90.09      | 0.02                 | 10,889.1      | 7,253.1         | 1,261.7       | -288.5        | 1,275.8          | 0.01                | 576,637.68         | 724,140.33         |
| 12,100.0     | 90.10      | 0.02                 | 10,888.9      | 7,252.9         | 1,361.7       | -288.4        | 1,375.6          | 0.01                | 576,737.68         | 724,140.36         |
| 12,200.0     | 90.12      | 0.02                 | 10,888.7      | 7,252.7         | 1,461.7       | -288.4        | 1,475.4          | 0.01                | 576,837.68         | 724,140.40         |
| 12,300.0     | 90.13      | 0.03                 | 10,888.5      | 7,252.5         | 1,561.7       | -288.4        | 1,575.3          | 0.01                | 576,937.68         | 724,140.45         |
| 12,400.0     | 90.14      | 0.03                 | 10,888.3      | 7,252.3         | 1,661.7       | -288.3        | 1,675.1          | 0.01                | 577,037.68         | 724,140.50         |
| 12,500.0     | 90.15      | 0.03                 | 10,888.0      | 7,252.0         | 1,761.7       | -288.3        | 1,775.0          | 0.01                | 577,137.68         | 724,140.55         |
| 12,600.0     | 90.17      | 0.03                 | 10,887.7      | 7,251.7         | 1,861.7       | -288.2        | 1,874.8          | 0.01                | 577,237.68         | 724,140.61         |
| 12,620.8     | 90.17      | 0.03                 | 10,887.7      | 7,251.7         | 1,882.4       | -288.2        | 1,895.5          | 0.01                | 577,258.45         | 724,140.62         |
| 12,700.0     | 90.17      | 0.03                 | 10,887.4      | 7,251.4         | 1,961.7       | -288.1        | 1,974.7          | 0.00                | 577,337.68         | 724,140.67         |
| 12,800.0     | 90.17      | 0.03                 | 10,887.1      | 7,251.1         | 2,061.7       | -288.1        | 2,074.5          | 0.00                | 577,437.68         | 724,140.73         |
| 12,900.0     | 90.17      | 0.03                 | 10,886.9      | 7,250.9         | 2,161.7       | -288.0        | 2,174.3          | 0.00                | 577,537.68         | 724,140.79         |
| 13,000.0     | 90.17      | 0.03                 | 10,886.6      | 7,250.6         | 2,261.7       | -288.0        | 2,274.2          | 0.00                | 577,637.68         | 724,140.85         |
| 13,100.0     | 90.17      | 0.03                 | 10,886.3      | 7,250.3         | 2,361.7       | -287.9        | 2,374.0          | 0.00                | 577,737.68         | 724,140.91         |
| 13,200.0     | 90.17      | 0.03                 | 10,886.0      | 7,250.0         | 2,461.7       | -287.8        | 2,473.9          | 0.00                | 577,837.68         | 724,140.97         |
| 13,300.0     | 90.17      | 0.03                 | 10,885.7      | 7,249.7         | 2,561.7       | -287.8        | 2,573.7          | 0.00                | 577,937.68         | 724,141.03         |
| 13,400.0     | 90.17      | 0.03                 | 10,885.4      | 7,249.4         | 2,661.7       | -287.7        | 2,673.5          | 0.00                | 578,037.68         | 724,141.09         |
| 13,500.0     | 90.17      | 0.03                 | 10,885.1      | 7,249.1         | 2,761.7       | -287.6        | 2,773.4          | 0.00                | 578,137.68         | 724,141.15         |
| 13,600.0     | 90.17      | 0.03                 | 10,884.8      | 7,248.8         | 2,861.7       | -287.6        | 2,873.2          | 0.00                | 578,237.68         | 724,141.21         |

## MOJO Standard Survey



|                  |                           |                                     |                                        |
|------------------|---------------------------|-------------------------------------|----------------------------------------|
| <b>Company:</b>  | Legacy Reserves LP        | <b>Local Co-ordinate Reference:</b> | Site Hamon Fed Com A 2H                |
| <b>Project:</b>  | Hamon                     | <b>TVD Reference:</b>               | WELL @ 3636.0usft (Original Well Elev) |
| <b>Site:</b>     | Hamon Fed Com A 2H        | <b>MD Reference:</b>                | WELL @ 3636.0usft (Original Well Elev) |
| <b>Well:</b>     | Hamon Fed Com A 2H        | <b>North Reference:</b>             | Grid                                   |
| <b>Wellbore:</b> | 130430 Hamon Fed A Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | 130430 Hamon Fed A Com 2H | <b>Database:</b>                    | EDM 5000.1 Single User Db              |

## Planned Survey

| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | TVDSS<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) | Northing<br>(usft) | Easting<br>(usft) |
|--------------|------------|----------------------|---------------|-----------------|---------------|---------------|------------------|---------------------|--------------------|-------------------|
| 13,700.0     | 90.17      | 0.03                 | 10,884.5      | 7,248.5         | 2,961.7       | -287.5        | 2,973.1          | 0.00                | 578,337.68         | 724,141.27        |
| 13,800.0     | 90.17      | 0.03                 | 10,884.2      | 7,248.2         | 3,061.7       | -287.5        | 3,072.9          | 0.00                | 578,437.67         | 724,141.34        |
| 13,900.0     | 90.17      | 0.03                 | 10,883.9      | 7,247.9         | 3,161.7       | -287.4        | 3,172.8          | 0.00                | 578,537.67         | 724,141.40        |
| 14,000.0     | 90.17      | 0.03                 | 10,883.6      | 7,247.6         | 3,261.7       | -287.3        | 3,272.6          | 0.00                | 578,637.67         | 724,141.46        |
| 14,100.0     | 90.17      | 0.03                 | 10,883.3      | 7,247.3         | 3,361.7       | -287.3        | 3,372.4          | 0.00                | 578,737.67         | 724,141.52        |
| 14,200.0     | 90.17      | 0.03                 | 10,883.0      | 7,247.0         | 3,461.7       | -287.2        | 3,472.3          | 0.00                | 578,837.67         | 724,141.58        |
| 14,300.0     | 90.17      | 0.03                 | 10,882.7      | 7,246.7         | 3,561.7       | -287.2        | 3,572.1          | 0.00                | 578,937.67         | 724,141.64        |
| 14,400.0     | 90.17      | 0.03                 | 10,882.4      | 7,246.4         | 3,661.7       | -287.1        | 3,672.0          | 0.00                | 579,037.67         | 724,141.70        |
| 14,500.0     | 90.17      | 0.03                 | 10,882.1      | 7,246.1         | 3,761.7       | -287.0        | 3,771.8          | 0.00                | 579,137.67         | 724,141.76        |
| 14,600.0     | 90.17      | 0.03                 | 10,881.8      | 7,245.8         | 3,861.7       | -287.0        | 3,871.6          | 0.00                | 579,237.67         | 724,141.82        |
| 14,700.0     | 90.17      | 0.03                 | 10,881.5      | 7,245.5         | 3,961.7       | -286.9        | 3,971.5          | 0.00                | 579,337.67         | 724,141.88        |
| 14,800.0     | 90.17      | 0.03                 | 10,881.2      | 7,245.2         | 4,061.7       | -286.9        | 4,071.3          | 0.00                | 579,437.67         | 724,141.94        |
| 14,900.0     | 90.17      | 0.03                 | 10,880.9      | 7,244.9         | 4,161.7       | -286.8        | 4,171.2          | 0.00                | 579,537.67         | 724,142.00        |
| 15,000.0     | 90.17      | 0.03                 | 10,880.6      | 7,244.6         | 4,261.7       | -286.7        | 4,271.0          | 0.00                | 579,637.67         | 724,142.06        |
| 15,100.0     | 90.17      | 0.03                 | 10,880.3      | 7,244.3         | 4,361.7       | -286.7        | 4,370.9          | 0.00                | 579,737.67         | 724,142.13        |
| 15,200.0     | 90.17      | 0.03                 | 10,880.0      | 7,244.0         | 4,461.7       | -286.6        | 4,470.7          | 0.00                | 579,837.67         | 724,142.19        |
| 15,300.0     | 90.17      | 0.03                 | 10,879.7      | 7,243.7         | 4,561.7       | -286.6        | 4,570.5          | 0.00                | 579,937.67         | 724,142.25        |
| 15,400.0     | 90.17      | 0.03                 | 10,879.4      | 7,243.4         | 4,661.7       | -286.5        | 4,670.4          | 0.00                | 580,037.67         | 724,142.31        |
| 15,500.0     | 90.17      | 0.03                 | 10,879.1      | 7,243.1         | 4,761.7       | -286.4        | 4,770.2          | 0.00                | 580,137.67         | 724,142.37        |
| 15,600.0     | 90.17      | 0.03                 | 10,878.8      | 7,242.8         | 4,861.7       | -286.4        | 4,870.1          | 0.00                | 580,237.67         | 724,142.43        |
| 15,700.0     | 90.17      | 0.03                 | 10,878.5      | 7,242.5         | 4,961.7       | -286.3        | 4,969.9          | 0.00                | 580,337.67         | 724,142.49        |
| 15,800.0     | 90.17      | 0.03                 | 10,878.3      | 7,242.3         | 5,061.7       | -286.2        | 5,069.8          | 0.00                | 580,437.67         | 724,142.55        |
| 15,847.2     | 90.17      | 0.03                 | 10,878.1      | 7,242.1         | 5,108.9       | -286.2        | 5,116.9          | 0.00                | 580,484.88         | 724,142.58        |
| 15,884.3     | 90.17      | 0.03                 | 10,878.0      | 7,242.0         | 5,146.0       | -286.2        | 5,153.9          | 0.01                | 580,521.97         | 724,142.60        |
| 5 1/2"       |            |                      |               |                 |               |               |                  |                     |                    |                   |

|                  |                           |                                     |                                        |
|------------------|---------------------------|-------------------------------------|----------------------------------------|
| <b>Company:</b>  | Legacy Reserves LP        | <b>Local Co-ordinate Reference:</b> | Site Hamon Fed Com A 2H                |
| <b>Project:</b>  | Hamon                     | <b>TVD Reference:</b>               | WELL @ 3636.0usft (Original Well Elev) |
| <b>Site:</b>     | Hamon Fed Com A 2H        | <b>MD Reference:</b>                | WELL @ 3636.0usft (Original Well Elev) |
| <b>Well:</b>     | Hamon Fed Com A 2H        | <b>North Reference:</b>             | Grid                                   |
| <b>Wellbore:</b> | 130430 Hamon Fed A Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | 130430 Hamon Fed A Com 2H | <b>Database:</b>                    | EDM 5000.1 Single User Db              |

| Casing Points         |                       |         |                     |                   |  |
|-----------------------|-----------------------|---------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name    | Casing Diameter (") | Hole Diameter (") |  |
| 1,499.0               | 1,499.0               | 13 3/8" | 13-3/8              | 16                |  |
| 5,436.0               | 5,436.0               | 9 5/8"  | 9-5/8               | 12-1/4            |  |
| 15,884.3              | 10,878.0              | 5 1/2"  | 5-1/2               | 6                 |  |

| Formations            |                       |                   |         |
|-----------------------|-----------------------|-------------------|---------|
| Measured Depth (usft) | Vertical Depth (usft) | Name              | Dip (°) |
| 8,368.0               | 8,368.0               | BSPG1 LM          | 0.00    |
| 10,925.4              | 10,807.0              | TOP OF BSPG 3 PAY | 0.00    |
| 9,943.0               | 9,943.0               | BSPG 2SS          | 0.00    |
| 3,793.0               | 3,793.0               | CPTN              | 0.00    |
| 5,436.0               | 5,436.0               | DLWR              | 0.00    |
| 8,042.0               | 8,042.0               | BRSL MKR          | 0.00    |
| 10,322.0              | 10,322.0              | BSPG 2D SS        | 0.00    |
| 9,392.0               | 9,392.0               | BSPG 1SS          | 0.00    |
| 1,499.0               | 1,499.0               | RSLR              | 0.00    |
| 10,647.1              | 10,631.0              | BSPG3             | 0.00    |

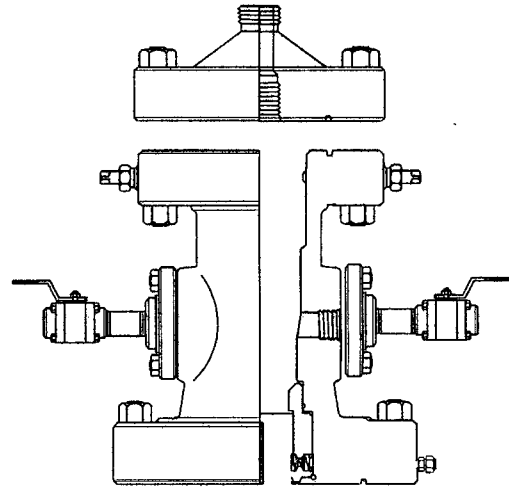
|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|

# LEGACY RESERVES

Hamon Fed Com A #2H

## TUBING HEAD

11"5K X 7 1/16"5K TCM  
BG BTM PREP 9" X 5 1/2" IT40  
W/2-2 1/16"5K SSO  
B-1 ADPT 7 1/16"3K X 2 7/8"8RD



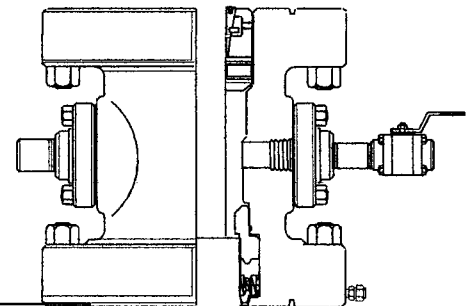
TOTAL HEIGHT: 24"

SWI-22 11" X 5 1/2"



## CASING SPOOL

13 5/8"3K X 11"5K SWI-22  
BG BTM PREP 10 3/4" X 9 5/8"PE  
W/2-2 1/16"5K SSO



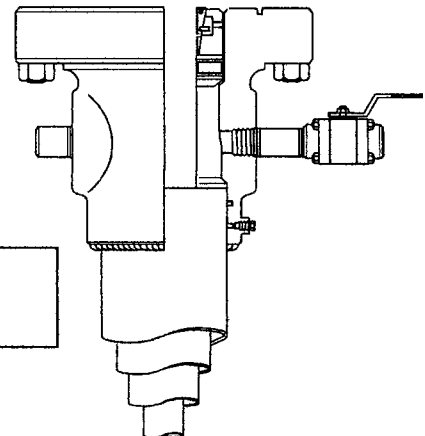
TOTAL HEIGHT: 20 1/4"

SWI-22 13 5/8" X 9 5/8"



## CASING HEAD ASSEMBLY

13 5/8"3K X 13 3/8"SOW  
SWI-22 W/2-2"LPO



TOTAL HEIGHT: 16 1/4"  
SLIP IN : 4 1/8"

## **RIG INVENTORY**

### **PATRIOT DRILLING, LLC RIG #5 INVENTORY DEPTH CAPACITY 16,200'**

|                                |                                                                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DRAWWORKS<br/>1,200HP</b>   | National 80-BM drawworks Unitized w/1 ¼" grooving, Parmac 342 hydromatic brake, with 2 – C-18 Caterpillar engines (650 HP) with 195 -80 torque converters.                          |
| <b>SUB &amp; DERRICK</b>       | 25' H. Box on box sub Lee C. Moore 142' cantilever mast rated @ 750,000 #S.H.L. 23' 6" kb.                                                                                          |
| <b>GENERATOR<br/>HOUSE</b>     | 2 C-15 320 KW generator sets.                                                                                                                                                       |
| <b>PUMPS</b>                   | 2 CE FB1300 (1,300 HP) triplex powered by 2 - CAT 3512, (1,300 HP) engines                                                                                                          |
| <b>WATER TANKS</b>             | 2-500 bbl round water tanks                                                                                                                                                         |
| <b>MUD PITTS</b>               | 2-mud pits 8'H. X 10' W. X 50' L. with 2 LM shale shakers<br><br>1-8' W. X 40' L. C-crimped mud house                                                                               |
| <b>TRAVELING<br/>EQUIPMENT</b> | 1- 500 ton blocks Brewster<br>1- 400 ton swivel<br>1- 27 ½" rotary table with master bushing                                                                                        |
| <b>BLOW OUT<br/>PREVENTORS</b> | 13 3/8" - 5,000 # annular - Shaffer Type<br>13 3/8" – 5,000 # double BOP with 4 ½" rams - Shaffer LWS Type<br>1-5 station 80 gallon accumulator<br>1-2" X 3" 5,000 # choke manifold |
| <b>DRILL COLLARS</b>           | 30 6 1/2" x 2 ¼" 30' long slick drill collars                                                                                                                                       |
| <b>DRILL PIPE</b>              | 11,800' 4 1/2" 16.6# grade G & X drill pipe                                                                                                                                         |