

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010



**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

HOBBS OGD

5. Lease Serial No.  
NMNM84651

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

JUN 01 2015

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

RECEIVED

8. Well Name and No.  
HAMON FEDERAL COM A 1H

9. API Well No.  
30-025-41616

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

11. County or Parish, and State  
LEA COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
LEGACY RESERVES OPERATING LP  
Contact: STEVE OWEN  
E-Mail: sowen@legacylp.com

3a. Address  
PO BOX 10848  
MIDLAND, TX 79702  
3b. Phone No. (include area code)  
Ph: 432-689-5200 Ext: 5287

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 18 T20S R34E NWNW 200FNL 1010FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

HORIZONTAL LATERAL COMPLETION. SEE ATTACHED PROCEDURE.

*Accepted for Record Only*  
*MJB/ocd*  
*3/28/2016*

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #303260 verified by the BLM Well Information System  
For LEGACY RESERVES OPERATING LP, sent to the Hobbs

Name (Printed/Typed) STEVE OWEN

Title OPERATIONS ENGINEER

Signature (Electronic Submission)

Date 05/28/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By \_\_\_\_\_

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

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.

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

MAR 28 2016

*dm*

# Hamon A Federal Com # 1H

LEA Co., NM

## Subsequent Report for Form 3160-5

### Horizontal Lateral Completion

Zone: Bone Spring Field: TEAS EAST

Jan 7, 2015 Wednesday (Day 1)

MIRU Crain Acidizing pump truck, RU on csg valve, pumped 8.2 bbls at 2 bbls/min pressured to 8,000# and held, increased pressure to 8,500# held steady, released pressure, RDMO pump truck.

Jan 8, 2015 Thursday (Day 2)

MIRU Cudd coil tbg and equipment, RU flow back, SDFN.

Jan 9, 2015 Friday (Day 3)

RIH w/ 2" coil tbg and perforating tools, tagged @ 14,442' (without 22'KB) perforated w/abrasive tool, 4-3' clusters 3 shots/ft total 295'

14,414'-14,417' 9 holes

14,312'-14,315' 9 holes

14,217'-14,220' 9 holes

14,122'-14,125' 9 holes

established rate 2 bbls/min @ 3,800# POH w/coil tbg and tools, RDMO Cudd.

Jan 18, 2015 Sunday (Day 4)

MIRU Baker-Hughes Frac Equipment and API wireline.

Jan 19, 2015 Monday (Day 5)

**STAGE ONE:** Frac perfs 14,122'-14,417', 32 holes NOTE, AT 137 BBL AND INCREASING RATE, PRESSURE SPIKED TO 9200#. BLED PRESSURE OFF, Restart pumping increase rate to 10 bpm at 6084# 3000gal ACID PUMPED IN FORMATION AT 14 BPM AT 5255#, INCREASE RATE TO 27 bpm AT 8253#, PUMP 590 BBL PAD, PUMP SECOND 3000 gal 7 1/2% ACID, ACID IN FORMATION AT 26 BPM AT 8080#, Pump 288 BBL PAD, SHUT DOWN. RIG UP WIRELINE, PUMP DOWN PERORATING GUN, GUN STOPPED MOVING AT 14,247', PERFORATE 9 HOLES AT 14,242'-245', 18 HOLES AT 14,182'-14,288', 9 HOLES AT 14,122'-125'. Pump 3000 gal 15% acid on formation at 26 bpm at 5696#, work rate up to 66 bpm at 8020# increasing to 8190# Nolte and pressure climbing, pumped total 1771 bbls pad w/0.5 to 1.5 FR. Shut down ISIP 4023#. Load to recover 3576 bbl.

**STAGE TWO:**, set Globe Flow thru plug at 14,077', Perforate 13,682'-85' 9 holes, 13,798'-801' 9 holes, 13,914'-17' 9 holes, 14,029'-32 9 holes, Total 36 holes. SDFN

Jan 20, 2015 Tuesday (Day 6)

Frac Stage TWO Perfs 13,682'-14,032' 36 holes w/3000 gal 7.5% acid w/FR Slickwater w/.25#, .5#, 1#, 1.25#,1.5# 40/70 Ottawa sand and 1.25#, 1.5#, 2# Oil Plus sand at avg rate 80.3 BPM at avg pressure 7621#, ISIP 2680#, Load 7170 BBL, Sand pumped 147,945# 40/70 Ottawa and 104,103# 40/70 Oil Plus.

**STAGE THREE:** set Globe Flo-Thru plug at 13,637', Perforate 13,242'-45' 9 holes, 13,358'-61' 9 holes, 13,474'-77' 9 holes, 13,589'-92' 9 holes, total 36 holes, Frac w/3000 gal 7.5% acid, FR Slickwater w/.25#, .5#, 1#, 1.25#, 1.5# 40/70 Ottawa and 1.25#, 1.5#, 2# 40/70 oil Plus at avg rate 85.5 BPM at avg pressure 7161#, ISIP 2698, Load 9393 BBL, Sand 145,747# 40/70 Ottawa, 103,537# 40/70 Oil Plus.

**STAGE FOUR:** set Globe flow thru plug at 13,197', Perforate 12,802'-05' 9 holes, 12,918'-21' 9 holes, 13,034'-37' 9 holes, 13,149'-52' 9 holes Total 36 holes, Frac w/3000 gal 7 1/2% acid w/FR Slickwater w/.25#, .5#, 1#, 1.25#, 1.5# 40/70 Ottawa sand w/ 1.25#, 1.5#, 2# 40/70 Oil Plus sand at avg rate 84.3 BPM at avg pressure 7800#, ISIP 2974#, Load 6817 BBL, Sand 149,896# BBL 40/70 Ottawa, 100,477# 40/70 Oil Plus.

**STAGE Five;** set Globe Flow thru plug at 12,757', Perforate 12,362'-65' 9 holes, 12,478'-81' 9 holes, 12,594'-97' 9 holes, 12,709'-12' 9 holes, Frac w/3000 gal 7.5% acid w/ FR Slickwater w/.25#, .5#, 1#, 1.25#, 1.5# 40/70 Ottawa sand w/ 1.25#, 1.5#, 2# 40/70 Oil Plus at avg rate 87.5 BPM at avg pressure 5502#, ISIP 1490#, Load 7105 BBL, Sand 150,783# 40/70

Ottawa, 105,635# 40/70 oil plus.

NOTE ON STAGE FIVE WHEN 1.5# OIL PLUS HIT FORMATION AT RATE AT 90 bpm AT 7574# PRESURE INSTANTLY DROPPED TO 4678# FALLEN TO 3320#. RUN IN w/PLUG AND GUNS FOR STAGE SIX, COULD NOT PUMP GUNS BELOW 9570 ON TWO ATTEMPTS AT 18 BPM AT 1400#. Shut down Frac. will Flow back. Turn well over to production. Load to recover 34,561 BBL

Jan 26, 2015 Monday (Day 8)

Rig up Basic pump truck and pump 60 BBL down casing. Rig up Capitan wireline. Set Odessa packers wireline set RBP at 8500'. Rig up pump truck, load casing w/35 BBL pump total 230 BBL 2% KCL at 3.8 BPM at 700#. Casing capacity 197 BBL to RBP. SDFN

Jan 27, 2015 Tuesday (Day 9)

Run Capitan wireline 40 Arm Multi Sensor Caliper Magnetic Thickness tool GR CCL log from 8447' to surface. SDFN

Jan 28, 2015 Wednesday (Day 10)

Waiting on orders

Jan 29, 2015 Thursday (Day 11)

MIRU Basic #1620, waited on hand tools for pulling unit, 10,124.52' (330 jts) 2 7/8 P110 work string delivered/racked tallied, ND frac head, NU BOP, worked on pulling unit, MU packer and plug on work string, PU RIH w/ 30 jts 2 7/8" work string, secured well, SDFN.

Jan 30, 2015 Friday (Day 12)

Finish RIH w/RBP, CCL, packer and tbg, tagged previous RBP @8,496' (W.L. set @ 8,500') w/276 jts 2 7/8" work string, POH standing back 11 jts, set RBP @ 8,174' pulled 1 jt, set packer @ 8,132' (collar @ 8,152') RU kill truck w/iron, pumped down tbg, 3 bbls 2% KCL to load/test to 3000#, held pressure, moved RBP to 8,132' set packer @ 8,069' pumped 3 bbls 2% KCL to test, held (collar @ 8110') pulled 10 stands to get above 7504, secured well, SDFN.

Jan 31, 2015 Saturday (Day 13)

Resume hunting csg leak, set RBP @ 8,069' packer @ 8,008' test collar @ 8032' load w/3 bbls tested to 3000# held, moved RBP to 7,964- set packer 7,884' test collar 7,914' load w/3 bbls, tested to 3000# held, set RBP 7,854' packer 7,793' test collar 7,830' load w/3 bbls, tested to 3000# held, moved RBP 7,793' packer 7,732' test collar 7,749' load w/2.7 bbls, tested to 3000# held, left RBP @ 7,793' packer @ 7,640' test collar 7,667' at 5 bbls went on vacuum, established rate 1.5 bbls/min @ 260#, Loaded backside w/ 7.7 bbls tested to 2000# held pressure, moved RBP to 7,682' Packer @ 7,640' 3/10 bbl to load, tested to 3000# held, moved RBP 7,697' packer @ 7,640' pumped 4 bbls on vacuum same rate as prior. Released packer, latch on to RBP, released POH standing back tbg, secured well, SD.

Feb 2, 2015 Monday (Day 14)

Open well, no pressure, finish POH w/ tbg and plug, RBIH w/ retrieving tool on tbg, load hole w/brine water, latch on and release RBP set by W.L. POH standing back tbg, RBIH w/ 20 jts kill string, secured well, SDFN.

Feb 3, 2015 Tuesday (Day 15)

Open well, 700# on csg, pumped 110 bbls total to kill well, POH w/ kill string, RU Capitan W.L. RIH w/ 5 1/2" composite plug, GR/CCL correlated w/ original log dated 1/18/2015, set plug @ 8,500' POH w/ W.L. MU cmt retaining on W.L. RIH set retainer @ 7,616' POH w/ W.L. RD Capitan, RU pump truck on backside, pumped 24 bbls water to load/test, pressured to 500# held pressure, RIH w/ 96 jts tbg, secured well SDFN. Prepare to cmt sqz in the morning, 2 frac tanks set and filled, 1 blow down pit set.

Feb 4, 2015 Wednesday (Day 16)

Started to finish RIH w/tbg, tbg tongs broke on Basic pulling unit, waited 1 1/2 hrs. for new tongs, resumed RIH, tagged retainer @ 7,616' pulled up hole, circulated hole clean, stung into retainer, pumped 50 bbls water, RU Cement Specialists, pumped 600 sks class C cmt and 70 bbls fresh water, on vacuum, circulated lines clean to pit, secured well, SDFN.

water, 0.25# 40/70 Ottawa, 8000 gal FR slickwater sweep, 0.5#, 1# 40/70 Ottawa, 1.25# 40/70 Oil Plus, 8000 gal FR slickwater sweep, 1#, 1.25# 40/70 Ottawa, 1.5# 40/70 Oil Plus, 8000 gal FR slickwater sweep, 1.25#, 1.5# 40/70 Ottawa, 2# 40/70 Oil plus at avg rate 80.8 BPM at avg pressure 6229#, Max pressure 7665#, ISIP 2740#, Load 6096 BBL, Sand 154,313# 40/70 Ottawa, 154,313# 40/70 Oilplus, Total 258,414#.

**Stage TEN:** Set Flow Thru CBP at 10,557', Perforate 10,162'-65', 10,278'-81', 10,394'-97',  
**DAILY OPERATIONS REPORT - (All Days)** 10,509'-12' w/9 holes per set total 36 holes, Frac w/3000 gal 7.5% acid, FR slick water, 0.25# 40/70 Ottawa, 8000 gal FR slickwater sweep, 0.5#, 1# 40/70 Ottawa, 1.25# 40/70 Oilplus, 8000 gal FR slickwater sweep, 1#, 1.25# 40/70 Ottawa, 1.5# 40/70 Oilplus, 8000 gal FR slickwater sweep, 1.25#, 1.5# 40/70 Ottawa, 2# 40/70 Oilplus at avg rate 90.8 BPM at avg pressure 5427#, Max pressure 7097#, ISIP 3080#, Load 6070 BBL, Sand 149,927# 40/70 Ottawa, 100,338# 40/70 Oilplus Total 250,265#.

**Stage ELEVEN:** Set Flow Thru CBP at 10,117', Perforate 9714'-17', 9832'-35', 9950'-53'; 10,069'-72' w/9 shots per set Total 36 Holes, Frac w/3000 gal 7.5% acid, FR Slickwater, 0.25# 40/70 Ottawa, 8000 gal Fr Slickwater sweep, 0.5#, 1# 40/70 Ottawa, 1.25# 40/70 Oil Plus, 8000 gal FR slickwater sweep, 1#, 1.25# 40/70 Ottawa, 1.5# 40/70 Oil Plus, 8000 gal FR slickwater sweep At avg Rate 86.6 BPM at avg pressure 5382#, Max Pressure 7397#, ISIP 2901#, Load 5001 BBL, Sand 90,389# 40/70 Ottawa, 64,049# 40/70 Oil Plus Total 154,438#.  
NOTE BAKER HUGHES WAS 100,000# SHORT ON OTTAWA AND OIL PLUS, ON STAGE ELEVEN, DID NOT PUMP 1.25#, 1.5# OTTAWA, 2# OILPLUS. Set Cap plug

LOAD TO RECOVER 37,969 BBL FROM Stage 6, 7, 8, 9, 10, 11.

Mar 4, 2015 Wednesday (Day 39)

Finish RDMO Baker frac equipment, MIRU Cudd CT unit and flow back equipment, RIH w/ mill on 2" coli tbg, tag cap plug @ 8,740' drilled through, cont. RIH tag CBP @ 10,117' drilled through, continue RIH tag next CBP @ 10,557'

Mar 5, 2015 Thursday (Day 40)

Continue drillout through Comp plug @ 10,557, tag next Comp plug @ 10,997, made short trip, PU above casing patch 7,648' circulated brine, SI SD at 3:00 a.m. MST due to prairie chicken mating season.

Start milling w/ coil tbg at 9:00 a.m. RIH tag plug @ 10,997, through plug, tag next plug @ 11,437' through plug, tag next plug @ 11,877' through plug, tag next plug @ 12,317, PU start making short trip to get above csg patch, started pulling heavy @ 9,158' worked CT, stuck, Left stacked out SD for Prairie Chicken.

Mar 6, 2015 Friday (Day 41)

Worked to free CT, stuck, sheared tools off CT @ 9,361', POH w/CT, RDMO Cudd, MIRU Basic pulling unit, 491 jts P110 2 3/8" work string delivered/racked/tallied, set reverse unit/pump and swivel prepare to fish tools, secured well, SDFN.

Mar 7, 2015 Saturday (Day 42)

Open well, 850# on csg, RU to blow down to frac tank, csg stayed on 450# flowing 65 to 80 bbls/hr, RU flow back, continued flowing to frac tanks, turned over to prod dept.

Mar 9, 2015 Monday (Day 43)

RU Capitan W.L. RIH w/gauge ring, POH, PU RIH w/RBP, set @ 7,484' POH RD Capitan, SD due to storm.

Note: Basic covering cost for today

Mar 10, 2015 Tuesday (Day 44)

Replaced 2" flange/nipple and valve on csg that was broken by Basic pulling unit, PU RIH w/238 jts 2 3/8" P110 work string and retrieving tool, stopped above RBP, SD due to storm.

Note: Basic covering cost for today

Mar 11, 2015 Wednesday (Day 45)

Circulated well w/ 150 bbls brine water, Finish RIH w/tbg, tagged RBP, latched on and released plug, well dead, POH w/tbg standing back, MU fishing tools on work string, RIH to 7,500' secured well, SDFN.

Mar 12, 2015 Thursday (Day 46)

Well had slight blow on tbg and csg, pumped brine water to kill, Finished RIH w/tbg,

tagged fish w/ 318 jts @ 9,854' turned tools on fish, POH, nothing in grapple, scars in side overshot, PU new overshot and grapple, start RBIH, stop above csg patch, SDFN.

Mar 13, 2015 Friday (Day 47)

No pressure on well, Resume RIH w/tbg and fishing tools, tagged fish @ 10,878' RU swivel, PU tbg, push fish down to plug @ 12,317', turned w/swivel and pumped brine, pressuring up to 2,500 psi, started POH w/ tbg, pulled heavy @ 10,063' at the 90 deg, pulled 20 over, back to string weight, finished POH, no fish in overshot, scars inside tool and grapple cracked in 4 places, caught fish and lost in the 90 deg section, RIH w/ 10 stands for kill string, left well open to flow back manifold, SDFN

Mar 14, 2015 Saturday (Day 48)

No pressure on well, RIH w/ new overshot, tagged fish @ 10,241' RU swivel, rotate on fish, making no hole, pumped water w/ reverse unit, tbg pressured up to 2,500 psi w/4 bbls, could not pump into, POH w/ tbg, nothing in overshot, scars and gouges on inside of o.s. RIH w/ kill string SDFN.

Mar 15, 2015 Sunday (Day 49)

MU 4 1/4" shoe on work string, RIH tagged fish @ 10,423', RU swivel, rotated on fish pushing down hole, fish bottomed out on plug @ 12,279', continued rotating w/ swivel, washed over 7' POH w/ tbg tools, dragging out until in the vertical, Recovered fish w/shoe, PU RIH w/ kill string SDFN, prepare to drill plugs in the a.m.

Mar 16, 2015 Monday (Day 50)

MU 4 1/4" mill/motor on 2 3/8" work string, RIH to CBP @ 12,279' RU swivel, could not get circulation, milled through plug, Pushed plug to 14,077' Pull up hole w/tbg and tools above the curve @ 8,983', left well open to flow back manifold. SDFN. Finish POH in the a.m.

Mar 17, 2015 Tuesday (Day 51)

Finished POH w/tbg and tools, secured well, SD

Mar 18, 2015 Wednesday (Day 52)

Released work string, Prod tbg delivered/racked/tallied, ND frac valve, install Larkin flange, NU BOP, MU Halliburton ESP on 39 jts 2 3/8" L80 tbg and 229 jts 2 7/8" L80 tbg, RIH w/ pump/tbg, landed pump, installed seaboard head, ND BOP, flanged up well head, intake @ 8,708.63' end of BHA @ 8,784.78' secured well, SD. Released to prod dept.