

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: October 31, 2014

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

HOBBS OCD

MAR 12 2014

RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NNNM129733							
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____		6. If Indian, Allottee or Tribe Name							
2. Name of Operator LEGACY RESERVES OPERATING LP		7. Unit or CA Agreement Name and No.							
3. Address P.O. BOX 10848 MIDLAND, TX 79702		8. Lease Name and Well No. HAMON FED COM A 3H							
3a. Phone No. (include area code) (432) 689-5200		9. API Well No. 30-025-41305							
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface SEC. 6, 474' FSL & 2004' FEL  At top prod. interval reported below SEC. 7, 331' FNL & 1801.5' FEL  At total depth SEC. 7, 336' FSL & 1832' FEL		10. Field and Pool or Exploratory TEAS EAST; BONE SPRINGS							
14. Date Spudded 08/24/2013		11. Sec., T., R., M., on Block and Survey or Area SEC. 6, T20S, R34E							
15. Date T.D. Reached 10/13/2013		12. County or Parish LEA COUNTY							
16. Date Completed 11/01/2013 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		13. State NM							
17. Elevations (DF, RKB, RT, GL)* GL 3610'									
18. Total Depth: MD 16,028' TVD 10,902'		19. Plug Back T.D.: MD 16,028' TVD 10,902'							
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL LATEROLOG/MICROLATEROLOG/GR							
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)									
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
16"	13 3/8" J-55	54.5#	0	1556'		800 sx Class C		0	Circulated 109 sx
12 1/4"	9 5/8"	40#	0	5515'		600 sx Class C		3966'	
12 1/4"	9 5/8"	40#	DV Tool @	3966'		2330 sx Class C		0	Circulated 311 sx
8 3/4"	5 1/2" P-110	17#	0	16,028'		2826 sx Class C		0	Circulated 451 sx
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
NONE									
25. Producing Intervals									
Formation	Top	Bottom	26. Perforation Record						
A) Bone Spring	11,408' MD	16,022' MD	Perforated Interval	Size	No. Holes	Perf. Status			
B)			11,408'-16,022'	0.40"	360	OPEN			
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
11,408'-16,022'	FRAC'D WITH 1,800,000# 20/40 WHITE SAND & 450,000# 20/40 OIL PLUS RESIN COATED SAND IN 20# CROSS-LINKED BORATE FLUID								
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/01/13	11/13/13	24	→	1134	924	737	39.6	0.835	FLOWING RECLAMATION DUE 5-1-14
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
26/64	N/A	1225	→	1134	924	737	815	PRODUCING	ACCEPTED FOR RECORD
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						MAR 8 2014
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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CARLSBAD FIELD OFFICE

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28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD TO TARGA

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				BELL CANYON CHERRY CANYON	5452' 6475'
				BRUSHY CANYON BONE SPRING	7399' 8343'
				1ST BONE SPRING 2ND BONE SPRING	9388' 9942'
				3RD BONE SPRING WOLFCAMP	10623' 10980'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey  
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) BLAIN LEWIS Title SENIOR ENGINEER  
 Signature *Blain Lewis* Date 02/25/2014

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 3)

(Form 3160-4, page 2)

Hydraulic Fracturing Fluid Product Component Information Disclosure

Last Fracture Date:	10/29/2013
State:	New Mexico
County:	Lea
API Number:	30-025-41305
Operator Name:	Legacy Reserves Oper
Well Name and Number:	Hamon A Federal Com 3H
Longitude:	-103.59576
Latitude:	32.59521
Long/Lat Projection:	
Production Type:	Oil
True Vertical Depth (TVD):	10,977
Total Water Volume (gal):	1,610,910

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Operator	Carrier	Water	7732-18-5	100.00%	82.69967%	
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15.00%	0.27825%	SmartCare Product
			Water	7732-18-5	85.00%	1.57676%	
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100.00%	0.00640%	SmartCare Product
GBW-15L	Baker Hughes	Breaker	Enzyme solution	Trade Secret	100.00%	0.02017%	SmartCare Product
CI-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	10.00%	0.00028%	SmartCare Product
			Methanol	67-56-1	100.00%	0.00281%	
			Olefin	Trade Secret	5.00%	0.00014%	
			Polyoxyalkylenes	Trade Secret	30.00%	0.00084%	
			Propargyl Alcohol	107-19-7	5.00%	0.00014%	
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30.00%	0.04168%	
			Sodium Hydroxide	1310-73-2	10.00%	0.01389%	
			Sodium Tetraborate Decahydrate	1303-96-4	30.00%	0.04168%	
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60.00%	0.29008%	SmartCare Product
			Petroleum Distillate Blend (1)	64742-47-8	70.00%	0.33843%	
			Petroleum Distillate Blend (3)	8042-47-5	70.00%	0.33843%	
			Petroleum Distillate Blend (2)	64742-55-8	70.00%	0.33843%	
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100.00%	0.00588%	
			Ammonium Hydroxide	1336-21-6	5.00%	0.00029%	
			Cupric Chloride	7447-39-4	5.00%	0.00029%	
NE-23, 55 gallon drum	Baker Hughes	Non-emulsifier	Isopropanol	67-63-0	30.00%	0.00159%	
Sand, White, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00%	11.09891%	
BDX93148 Oil Plus, 20/40, bulk	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100.00%	2.80262%	
ES-4	Baker Hughes	Solvent	Petroleum Distillate Blend	Trade Secret	100.00%	0.00560%	
Flo-Back 40	Baker Hughes	Surfactant	Amphoteric Surfactant	Trade Secret	40.00%	0.01660%	SmartCare Product
			Benzyl Chloride	100-44-7		0.0000529215%	
			Ethoxylated Nonylphenol	9016-45-9		0.0002646074%	
			Formaldehyde	50-00-0		0.0000281229%	
			Glycol Ether	Trade Secret		0.0002646074%	
			Hydrochloric Acid	7647-01-0		0.0000281229%	
			Modified Thiorea Polymer	68527-49-1		0.0001968601%	
			Olefin Sulfonate	Trade Secret		0.0031752888%	
			Polyester	Trade Secret		0.0007938222%	
			Quaternary Amine Compounds	Trade Secret		0.0015876444%	
			Sodium Chloride	7647-14-5		0.0124472441%	
			Water	7732-18-5		0.0612682874%	

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water  
\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(j) and Appendix D.