

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Other b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: <u>SWD</u>						5. Lease Serial No. <u>NMNM84652</u>			
2. Name of Operator <u>LEGACY RESEVES OPERATING LP</u>						8. Lease Name and Well No. <u>HAMON FED COM SWD 1</u>			
3. Address <u>PO BOX 10848, MIDLAND, TX 79702</u>				3a. Phone No. (include area code) <u>(432)689-5200</u>		9. API Well No. <u>30-025-30848</u>			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <u>660 FNL & 1980 FEL</u> At top prod. interval reported below <u>660 FNL & 1980 FEL</u> At total depth <u>660 FNL & 1980 FEL</u>						10. Field and Pool or Exploratory <u>QUAIL RIDGE, ATOKA</u> 11. Sec., T., R., M., on Block and Survey or Area <u>SEC 7, T20S, R34E</u> 12. County or Parish <u>LEA COUNTY</u>			
14. Date Spudded <u>04/28/1990</u>						15. Date T.D. Reached <u>08/08/1990</u>			
16. Date Completed <u>04/22/2016</u> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.						17. Elevations (DF, RKB, RT, GL)* <u>GL: 3610'</u>			
18. Total Depth: MD <u>13,700'</u> TVD <u>13,700'</u>		19. Plug Back T.D.: MD <u>13,140'</u> TVD <u>13,140'</u>		20. Depth Bridge Plug Set: MD <u>13,170'</u> TVD <u>13,170'</u>					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <u>ONLY NEW LOG RUN-CBL-SUBMITTAL VIA E-MAIL</u>						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 checked="" type="checkbox"/> No <input 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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375	48.0	0	418		450			
11.000	8.625			5209		1715		3370	
7.875	5.500	17.0		13700		550		8850	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 7/8"	8075'	8075'	2 7/8"x5 1/2"						
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A)ATOKA	12,524'	12,529'	12,524'-12,529'	4.000	20	CLOSED			
B)MORROW			13,222'-13,229'	2.000	14	CLOSED			
C)			13,252'-13,352'	2.000	70	CLOSED			
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
13,170' TO 13,352'	SET CIBP @ 13,170' W/30' CEMENT ON TOP								
12,416'	SET CIBP @ 12,416' w/25 SX CLASS H NEAT ON TOP TAGGED TOC @ 12,185'								
10,888'	SET CR @ 10,888' & SQZ PERFS 10,950' w/40 SX CLASS H NEAT. LEFT 5 SX ON TOP TAG TOC 9,656'								
9,600	SET BALANCED PLUG 9,356-9,656 TAG TOC 9,356'								
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
08/03/90	08/13/90	24	→	475	7789	91	51.8	0.67	FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
18	2525	2460	→	475	7789	91	16,400	FLOWING	
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
8/22/08	8/22/08	24	→	63	43	0	42	0.85	FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→	63	43	0	683	PRODUCING	

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

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

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
MORROW	13,222	13,533			
ATOKA	12,524	12,529			
WOLFCAMP	10,517				
Bone Springs	8,350				
Brushy Canyon	8,140	8,350			
DELAWARE	5,496				
YATES	3,680				

32. Additional remarks (include plugging procedure):

Item 27 Continued:

8750' SET CR @ 8,677' & SQZ'D CMT TO SURFACE W/NITROGEN AHEAD, 725 SX CLASS H, 12.5# & 530 SX CLASS H, 16.4# CMT. TAG @ 8,824'. Set balanced plug 8,117'-8,824' w/70 sx Class H Neat.
 8,824' Tag @ 8,117', witnessed by BLM. Drilled out to 8,312' approved by BLM, as 50' above top of Bone Springs.
 8,140' Perforated injection interval 8,140'-8,183', 8,198'-8,210', 8,232'-8,237' 2 JSPF

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) STEVE OWENTitle SENIOR ENGINEERING ADVISOR

Signature _____

Date 06/22/2016

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.

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