Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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APR 11 2011
HOBBSOCD

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NM-02127-B

1a. Type of Well ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☑ Plug Back ☐ Diff. Resvr.,
Other:

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. LEA UNIT NM-70976B

2. Name of Operator: LEGACY RESERVES OPERATING LP

8. Lease Name and Well No. LEA UNIT #16

3. Address: P.O. BOX 10848, MIDLAND, TX 79702

3a. Phone No. (include area code): 432-689-5200

9. API Well No. 30-025-32033

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

At surface: 2180' FSL & 660' FWL, SEC 12, T20S, R34E

10. Field and Pool or Exploratory: LEA; BONE SPRING 37570

11. Sec., T., R., M., on Block and Survey or Area: SEC 12, T20S, R34E UNIT LETTER L

At top prod. interval reported below

12. County or Parish: LEA

13. State: NM

At total depth

14. Date Spudded: 08/16/2010

15. Date T.D. Reached: N/A

16. Date Completed: ☐ D & A ☑ Ready to Prod. 09/07/2010

17. Elevations (DF, RKB, RT, GL)*: 3675' KB

18. Total Depth: MD 13,400' TVD

19. Plug Back T.D.: MD 12,755' TVD

20. Depth Bridge Plug Set: MD 12,790' w/35' cmt on top TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): SEE 32 BELOW

22. Was well cored? ☐ No ☐ Yes (Submit analysis) See 30 &
Was DST run? ☐ No ☐ Yes (Submit report) 32 below
Directional Survey? ☐ No ☐ 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
17-1/2"	13-3/8"	54	0'	1854'	1496'	2200 SX H		117' - TS	
12-1/4"	9-5/8"	43.5	0'	5514'	3528'	3325 SX H		SURF-CIRC'D	
8-1/2"	5-1/2"	17 & 20	0'	13,249'	9007'	2540 SX H		5300' - TS	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	9644'							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING			9579' - 9605'		54	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
9579' - 9605'	2000 GALS 15% NEFE HCL + 5000 GALS ACID FRAC.

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
09/08/10	09/09/10	24	→	134	246	22	45.5	1.57	FLOWING

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
12/64	190#	0	→	134	246	22	1.8 MCF/BBL	PUMPING & 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
			→						

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)

ACCEPTED FOR RECORD
APR 7 2011
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

APR 12 2011

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): --SEE ATTACHED--

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 --SEE ATTACHED--

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

32. Additional remarks (include plugging procedure):

Logs run in 1993 & submitted in 1993: DLL/MSFL/GR & CNL/DEN/GR by Marathon Oil Company as stated on Form 3160-4, Line 35, Dated 12/01/93.
Same with Directional Survey.

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)* D. Patrick Darden, P.E. Title Senior Engineer

Signature D. Patrick Darden Date 09/30/10

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)

30. SUMMARY OF POROUS ZONES: (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).

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Delaware	5525	8190	Sand, shale, Dolomite - No mud log shows sidewall cores, show some oil stain.
Bone Spring first Carbonate	8420	8450	Limestone - poor mud log show DST # 1 8366-8534' recovered 182' GCM & 3753' of gas in drill pipe 10 min iFP 192-205 psi 120 min ISIP 433 psi 90 min FFP 129 -192 psi
	9486	9505	IHP -4157 FMP 4107 210 min FSIP 205 psi
Bone Spring Sand	9524	9580	Sandstone - Light wht, gray vfg, consolidated poor mud log show
Bone Spring "R" Dolomite	9580	9605	Dolomite Buff to tan - good mud log show. DST #2 9565-9625, recovered 888' oil CGW 10 min IFP 157-170 psi 88 min ISIP 2075 psi 293 minFSIP 90 min FFP 208-385 psi 1974 psi IHP - 4687 FHP - 4687
Bone Spring Second Sand	10030	10080	Sand stone - Light gray, vfg, con poor mud log show
Bone Spring "V" Dolomite	10164	10172	Dolomite - Brown to light brown no mud log show
Bone Spring 3rd Sand	10850	10880	Sandstone - Light gray, vfg, con, calc & disty, poor mud log show
Morrow	12764	12782	Sandstone - Clear, tan-light gray Fine-med grain-subrounded-sub angular no mud log show
	12853 12876 12886	12864 12872 12896	Sandstone - Clear, tan-light brown vfg-med cons w/cmt, good mud log show

31. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Delaware	5525	(-1850)
1st Bone Spring Carbonate	8190	(-4515)
1st Bone Spring Sand	9523	(-5848)
Bone Spring "R" Dolomite	9580	(-5905)
2nd Bone Spring Carbonate	9755	(-6080)
2nd Bone Spring Sand	10020	(-6345)
Bone Spring "V" Dolomite	10164	(-6489)
3rd Bone Spirng Carbonate	10483	(-6808)
3rd Bone Spring Sand	10682	(-7007)
Wolfcamp	10985	(-7310)
Strawn	11968	(-8293)
Atoka	12307	(-8632)
Morrow	12700	(-9025)

LEA UNIT #16

30. SUMMARY OF POROUS ZONES: (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).

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Morrow	13082	13102	Sandstone - Clear, tan-light brown vfg-med g, cons, with cement, good mud log show

31. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH