

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
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.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

LEGACY RESERVES OPERATING LP

3a. Address

P O BOX 10848
MIDLAND, TX 79702

3b. Phone No. (include area code)

432-689-5200

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 1980' FNL & 660 FEL, SEC 14, T20S, R34E
PBHL: 1980 FNL & 660 FEL, SEC 14, T20S, R34E

5. Lease Serial No.
NMNM-053434

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.
NM70976B

8. Well Name and No.
LEA UNIT #4H

9. API Well No.
30-025-02424

10. Field and Pool or Exploratory Area
LEA; BONE SPRING

11. Country or Parish, State
LEA COUNTY, NM

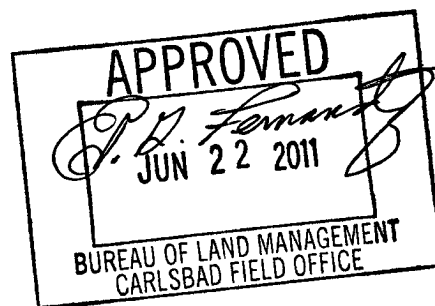
12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 Amendment to Drill
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Horizontal Lateral -
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Approved May 31, 2011

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 recompleat 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

----- PLEASE SEE ATTACHED FOR DETAIL -----

*Original COA
Still Applies*



14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

D. PATRICK DARDEN, P.E.

Title SENIOR ENGINEER

Signature

[Signature]

Date 06/09/2011

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.

(Instructions on page 2)

Amendments to Original (approved 5/31/11) Form 3160-5
Application to Drill Horizontal Lateral
(6/09/11)

LEA UNIT #4H

LEGACY RESERVES OPERATING, L.P.

SHL: Unit H, Section 11

T20S-R34E, Lea County New Mexico

Proposed Drilling Plan:

After squeezing off all existing perforations in the Bone Spring zone set a CIBP and whipstock @ ~10,671' MD. Cut window in 7", 29# csg and drill 5-7/8" or 6" curve section to ~11,075' MD. Continue drilling 5-7/8" or 6" horizontal lateral to TD @ ~16,096' MD. Set tapered liner string comprised of 10,500' new 5-1/2", 17#, Ultra-FJ pipe and new 4-1/2", 13.5#, Ultra-FJ pipe from 10,505' MD to 16,096' MD (10,873' TVD), attempting to cement to surface with DVT set @ ~10,502 in 4-1/2" pipe section. Will perforate and treat well in stages with acid and sand frac as needed. Legacy Reserves Operating, L.P. is requesting a variance on the clearance of the 5-1/2" liner it will be setting from the standard 0.422 inches per side to 0.342 inches per side, as the 7" csg already set in the well prohibits this clearance being obtained. It is necessary to run the 5-1/2" pipe in order to install the proper sized pumping equipment upon completion of the well.

Casing Design:

String	Hole size	Depth	Casing OD	Collar	Weight	Grade
Prod-Liner	7", 26# & 29# csg	0' to 10,500' MD	New 5-1/2"	Ultra-FJ	17#	N-80
Prod-Liner XO	7", 26# & 29# csg	10,500' to 10,502' MD	New 5-1/2" x 4-1/2"	Ultra-FJ	NA	NA
Prod-Liner DVT	7", 26# & 29# csg	10,502' to 10,505' MD	New 4-1/2"	NA	NA	NA
Prod-Liner	7", 26# & 29# csg	10,505' to 10,670' MD	New 4-1/2"	Ultra-FJ	13.5#	P-110
Prod-Liner	5-7/8" or 6" OH	10,670' to 16,096' MD	New 4-1/2"	Ultra-FJ	13.5#	P-110

Cementing Design:

Prod-Liner 1st Stage: 500 sxs (50:50) poz (fly ash) – Class H cmt + 0.1% CD-32 + 0.3% R-3 + 2% Bentonite + 0.5% FL-52A + 56.5% FW (14.20 ppg, 1.26 cf/sx, 5.69 gps wtr).

2nd Stage Lead: 220 sxs (50:50) poz (fly ash) – Class H cmt + 10% Bentonite + 130.4% FW (11.80 ppg, 2.29 cf/sx, 13.14 gps wtr).

2nd Stage Tail: 100 sxs – Class H cmt + 0.1% R-3 + 46.4% FW (15.60 ppg, 1.18 cf/sx, 5.23 gps wtr).





LEA UNIT #4H

LOCATION: See Below for SHL & PBHL.

Proposed Wellbore Configuration

FIELD: Lea (Bone Spring)
COUNTY: Lea
STATE: New Mexico

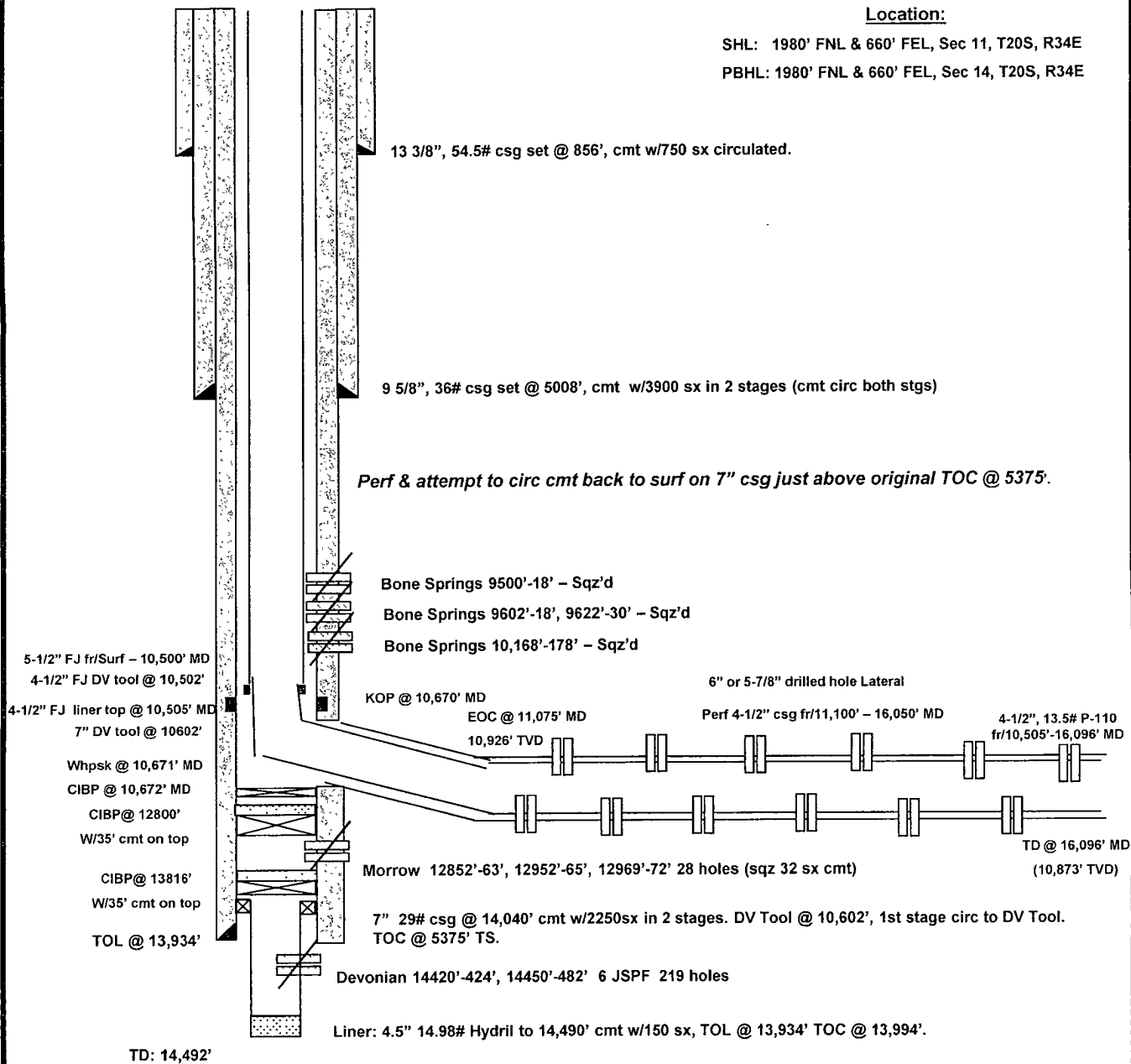
GL: 3655'
KB: 3677'
SPUD DATE: 12/06/60

LATEST UPDATE: 06/09/2011
BY: DP Darden
API No: 30-025-02424

Location:

SHL: 1980' FNL & 660' FEL, Sec 11, T20S, R34E

PBHL: 1980' FNL & 660' FEL, Sec 14, T20S, R34E



DR