

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-32846
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator LEGACY RESERVES OPERATING LP		6. State Oil & Gas Lease No. E-3003
3. Address of Operator PO BOX 10848, MIDLAND, TX 79702		7. Lease Name or Unit Agreement Name MOBIL STATE
4. Well Location Unit Letter <u>C</u> : <u>330</u> feet from the <u>NORTH</u> line and <u>2298</u> feet from the <u>WEST</u> line Section <u>2</u> Township <u>16S</u> Range <u>35E</u> NMPM County <u>LEA</u>		8. Well Number <u>1</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3994' GL		9. OGRID Number 240974
		10. Pool name or Wildcat BIG DOG; STRAWN, SOUTH

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>		E-PERMITTING <SWD INJECTION> CONVERSION _____ RBDMS _____ RETURN TO _____ TA _____ CSNG _____ ENVIRO _____ CHG LOC _____ INT TO P&A NR _____ P&A R _____ OTHER: _____
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

---See attached P&A procedure along with current and proposed wellbore diagrams---

**The Oil Conservation Division  
 MUST BE NOTIFIED 24 Hours  
 Prior to the beginning of operations**

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kent Williams TITLE SENIOR ENGINEER DATE 09/11/2015

Type or print name KENT WILLIAMS E-mail address: kwilliams@legacylp.com PHONE: 432-689-5200

**For State Use Only**

APPROVED BY: Mary Brown TITLE Dist Supervisor DATE 9/16/2015  
 Conditions of Approval (if any)

SEP 16 2015

*Handwritten initials*

## PLUG AND ABANDONMENT PROCEDURE-PROPOSED

### Mobil State #1

Field/Pool: Big Dog South (Strawn)  
Lea Co., NM  
API: 30-025-32846

Date: 9/9/15

Engineer: Kent Williams  
Company: Legacy Reserves Operating, LP

Purpose Of Procedure: Plug and abandon. Plug #1 (CIBP and 35' cement cap) was set during an unsuccessful attempt to recomplete the well in August 2015. However, no cement was found when the CIBP was tagged later in the operation with tubing. The CIBP apparently leaking.

### Procedure:

1. MIRU plugging company. NU 2000# minimum rated BOP.
2. Plug #1 (Perforation Plug). RIH w/ tubing and tag CIBP at +/- 11475' (16' KB). Circulate hole w/ 266 bbls of 9.5 PPG mud laden fluid. Spot 25 sxs of Class H cement on top of CIBP. WOC. Tag plug.  
(Note: Plug #1 was set on 9/18/15. A 5 1/2" CIBP was set at 11475' w/ 35' cmt on top to 11440'. The cmt cap on top of the plug was not found later in the operation upon an attempt to tag with tbg).
3. Plug #2 (Casing Plug). Perforate 5 1/2" csg at 9000'. RIH w/ pkr and tbg. Squeeze 70 sxs Class H cement from 8800'-9000' (200'). No tag required.
4. Plug #3 (Casing Plug). Perforate 5 1/2" csg at 7000'. RIH w/ pkr and tbg. Squeeze 45 sxs Class C cement from 6850'-7000' (150'). ~~NO~~ tag required.
5. Plug #4 (Casing Shoe Plug). Perforate 5 1/2" csg at 4800'. RIH w/ pkr and tbg. Squeeze 45 sxs Class C cmt from 4650'-4800' (150)'. WOC. Tag plug.
6. Plug #5 (Casing Plug). Perforate 5 1/2" csg at ~~2300'~~ 2300'. RIH w/ pkr and tbg. Squeeze 55 sxs Class C cement from ~~2200'-2300'~~ 2200'-2300' (100)'. TAG required 2900'. BASE OF SALT.  
2800' - 2900' PERF ? SQZ 25 SXS CMT @ 1850'. WOC ? TAG.
7. Plug #6 (Surface Plug). Perforate 5 1/2" and 8 5/8" csg at 60'. Pump and circulate 40 sxs Class C cmt down 5 1/2" csg and back to surface inside 5 1/2" x 8 5/8" intermediate annulus and 8 5/8" x 12 3/4" surface annulus.
8. POH. Top off cmt to surface to fillup csg as necessary.
9. Cut off well head. Weld on dry hole marker. Backfill cellar. Clean location. RDMO.

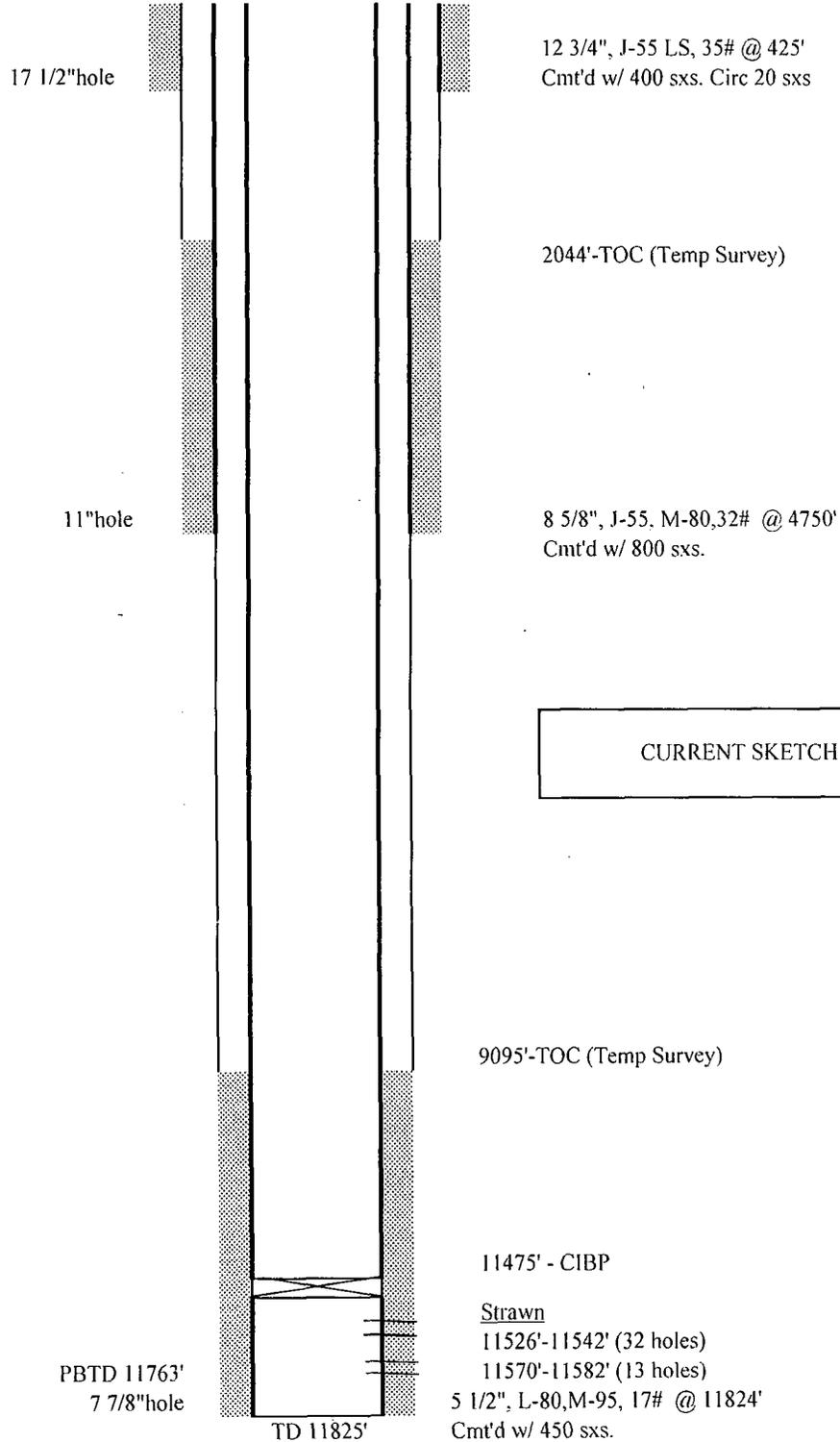
### Note:

- Use Class "C" Neat Cement, 1.32 ft<sup>3</sup>/sx cmt yield (Plugs #2-6)
- And Class "H" Neat Cement, 1.06 ft<sup>3</sup>/sx cmt yield (Plugs #1 and 2)
- Use 9.5 PPG mud laden fluid (25 sxs @ 50 # gel/sx in 100 bbls brine).
- Notify NMOCD in Hobbs Office (575-393-6161) 24 hrs. prior to commencing operation.

Perf @ 475'. SQZ 25 SXS minimum. WOC & TAG. (SHOE)

## WELLBORE SCHEMATIC

<b>Well Name &amp; No.:</b>	<u>Mobil State #1</u>		
<b>Field:</b>	<u>Big Dog South (Strawn) Field</u>		
<b>Location:</b>	<u>330' FNL, 2298' FWL, Sec. 2, T-16-S, R-35-E</u>		
<b>County:</b>	<u>Lea</u>	<b>State:</b>	<u>NM</u> <b>API #:</b> <u>30-025-32846</u>
<b>GR Elev:</b>	<u>3994.0</u>	<b>Spud Date:</b>	<u>02/26/95</u>
<b>KB:</b>	<u>16.0</u>	<b>Original Operator:</b>	<u>Amerind Oil Co. LP</u>
<b>GR Elev:</b>	<u>4010.0</u>	<b>Original Lease Name:</b>	<u>Same</u>



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