

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. 30-015-01705
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.
3. Address of Operator PO BOX 10848, MIDLAND, TX 79702		7. Lease Name or Unit Agreement Name CARPER LEVERS
4. Well Location Unit Letter <u>M</u> : <u>330</u> feet from the <u>SOUTH</u> line and <u>330</u> feet from the <u>WEST</u> line Section <u>34</u> Township <u>17S</u> Range <u>28E</u> NMPM County <u>EDDY</u>		8. Well Number <u>2</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3659' GR		9. OGRID Number 240974
		10. Pool name or Wildcat ARTESIA; QUEEN-GRYBG-SA

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input checked="" type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 proposed P&A procedure along with current and proposed wellbore diagrams.

NM OIL CONSERVATION

ARTESIA DISTRICT

FEB 01 2016

RECEIVED

Approved for plugging of well bore only.
Liability under bond is retained pending receipt
of C-103 (Subsequent Report of Well Plugging)
which may be found at OCD Web Page under
Forms: www.emand.state.nm.us/oed.

Spud Date:

Rig Release Date:

Well Bore must be Plugged by 2/2/2017

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

SIGNATURE

Kent Williams

TITLE

SENIOR OPERATIONS ENGINEER

DATE 01/28/2016

Type or print name

KENT WILLIAMS

E-mail address:

kwilliams@legacylp.com

PHONE: 432-689-5200

For State Use Only

APPROVED BY:

JDade

TITLE

Dist H Supervisor

DATE

2/2/2016

Conditions of Approval (if any):

* See Attached COA's

PLUG AND ABANDONMENT PROCEDURE-PROPOSED

Carper Levers #2

Field/Pool: Artesia (Grayburg)
Eddy Co., NM
API: 30-015-01705

Date: 1/26/16

Engineer: Kent Williams

Company: Legacy Reserves Operating, LP

Purpose Of Procedure: Plug and abandon.

Procedure:

1. MIRU plugging company. NU 2500# minimum rated BOP.
2. Plug #1 (Perforation Plug) RIH tubing to 1850'. Spot 25 sxs of Class C cement 1850'-1600' (250'). WOC 4 hrs. Tag plug. Minimum plug is 25sxs and 120'.
3. RIH w/ tubing to 1600' PBTD. Circulate hole w/ 38 bbls of 9.5 PPG mud laden fluid
4. Plug #2 (Casing Plug) Perforate 5 ½" csg at 1150'. RIH w/ pkr and tbg. Squeeze 38 sxs Class C Cement and displace cmt to 1000' leaving cmt from 1000'-1150' (150'). No tag required. Minimum plug is 110'.
5. Plug #3 (Casing Shoe Plug) Perforate 5 ½" csg at 580'. RIH w/ pkr and tbg. Squeeze 40 sxs Class C Cement and displace cmt to 430' leaving cmt from 430'-580' (150'). WOC 4 hrs. Tag plug. Minimum plug is 100'.
6. Plug #4 (Surface Plug). Perforate 5 ½" csg at 60'. Circulate 16 sxs Class C cement down 5 ½" csg, and back to surface inside 5 ½" x 8 5/8" casing annulus from 0'-60' (60'). POH. Top off cmt to surface to fillup csg.
7. Cut off well head. Weld on dry hole marker. Backfill cellar. Clean location. RDMO.

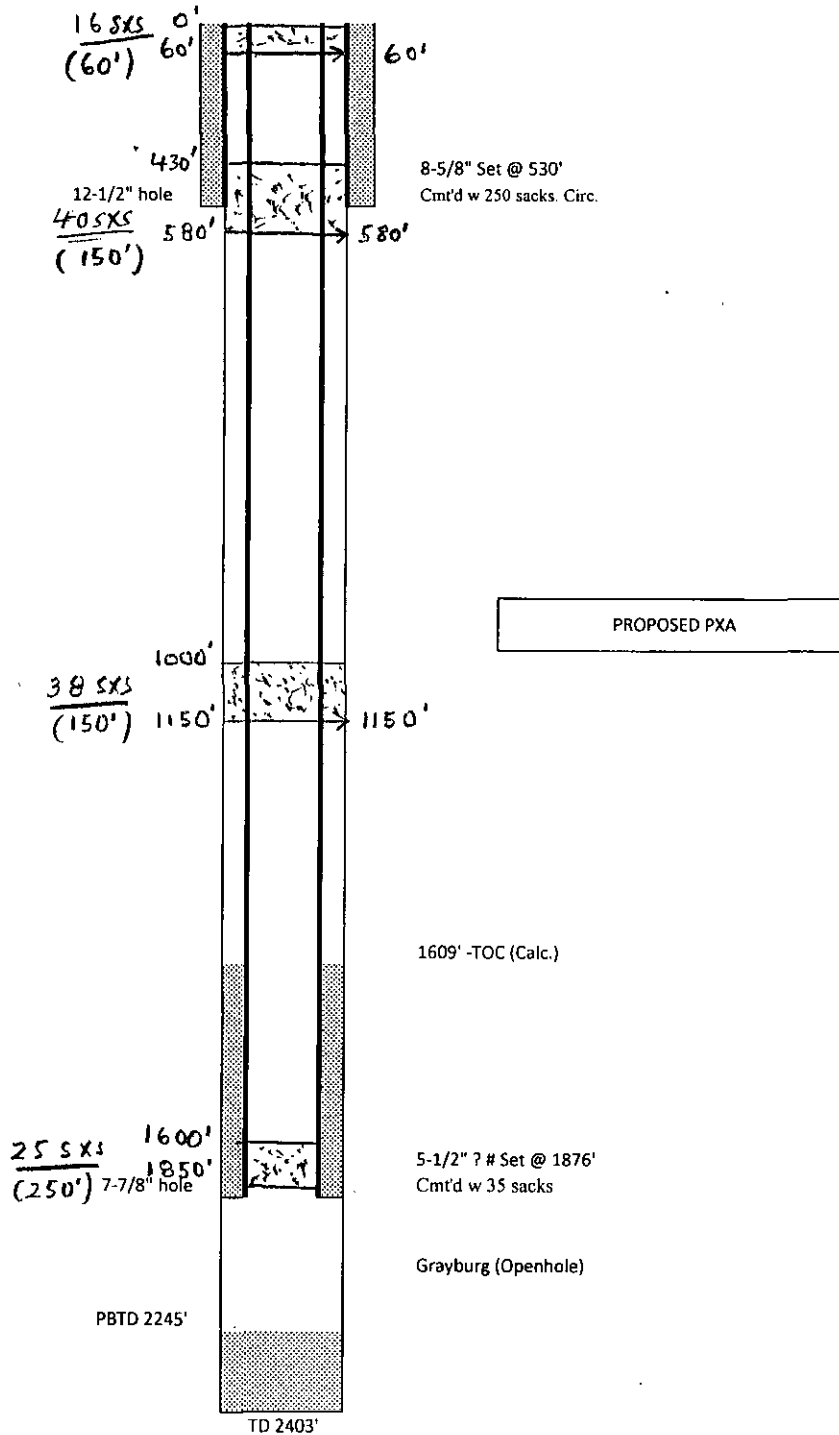
Note:

- Use Class "C" Neat Cement , 1.32 ft³/sx cmt yield
- Use 9.5 PPG mud laden fluid (25 sxs @ 50 # gel/sx in 100 bbls brine).
- WOC 4 hrs minimum on tags (Class C cmt)
- Notify NMOCD in Hobbs Office (575-393-6161) 24 hrs. prior to commencing operation.

WELLBORE SCHEMATIC

Well Name & No.: Carper Levers #2

Field:	Artesia (Queen/Grayburg/ San Andres)		
Location:	330 FSL & 330 FWL Sec. 34, T- 17-S, R-28- E		
County:	Eddy	State: NM	API #: 30-015-01705
GR Elevation:	3659.0	Spud Date:	07/04/40
KB:	NA	Original Operator:	John W. Crumley
KB Elevation:	NA	Original Lease Name:	Crumley-Levers State #2



WELLBORE SCHEMATIC

Well Name & No.: Carper Levers #2

Field: Artesia (Queen/Grayburg/ San Andres)

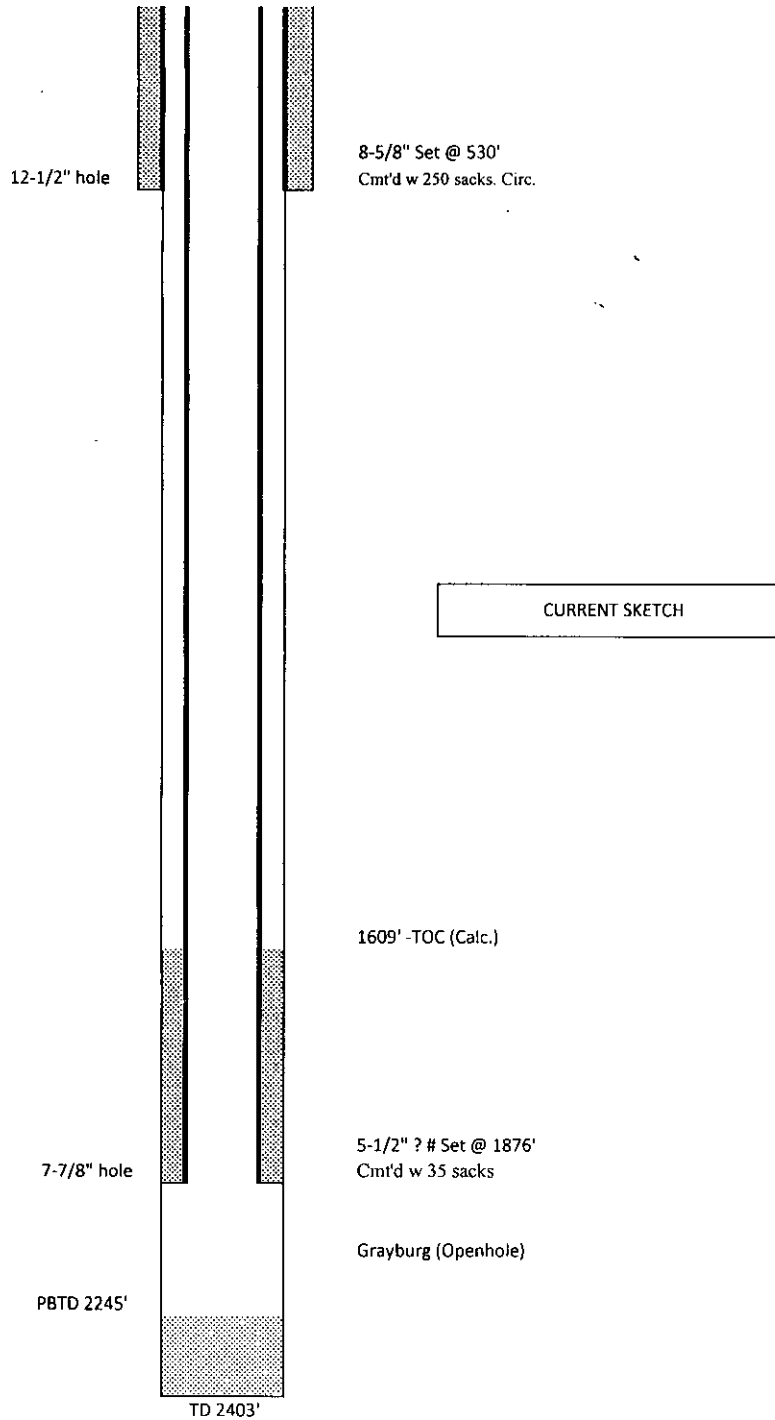
Location: 330 FSL & 330 FWL Sec. 34, T- 17-S, R-28- E

County: Eddy State: NM API #: 30-015-01705

GR Elevation: 3659.0 Spud Date: 07/04/40

KB: NA Original Operator: John W. Crumley

KB Elevation: NA Original Lease Name: Crumley-Levers State #2



NEW MEXICO OIL CONSERVATION DIVISION
DISTRICT 2 OFFICE
811 S. FIRST STREET
ARTESIA, NM 88210
(575)748-1283

CONDITIONS OF APPROVAL FOR PLUGGING & ABANDONMENT

Operator: Legacy
Well Name & Number: Casper Levers 2
API #: 30-015-01705

1. Produced water **will not** be used during any part of the plugging & abandonment operation.
2. Notify NMOCD Dist. 2 office at least 24 hrs before beginning work.
3. Closed Loop System is to be used for entire plugging operation. Upon completion, contents of steel pit are to be hauled to a permitted disposal location.
4. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator, as well as the contractor, to verify that this permit is place prior to performing work. Drivers shall produce a copy upon request of NMOCD Field Inspectors.
5. A subsequent C-103 will serve as notification that the well bore has been plugged ONLY. A C-103 FINAL shall be filed before any bonding can be released on the well. Upon receipt of the Final, an inspection will be performed to verify that the location has been satisfactorily cleaned to NMOCD standards.
6. If work has not begun within 90 days of the approval of this procedure, an extension request must be filed, stating reason that well has not been plugged.
7. Every attempt must be made to clean the well bore out to below the perms, before any plugs can be set, by whatever means possible.
8. **Cement Retainers may not be used.**
9. **Squeeze pressures are not to exceed 500 PSI, unless approval is given by NMOCD.**
10. **Plugs may be combined after consulting with and getting approval from NMOCD.**
11. **Minimum WOC time for tag plugs will be 4 Hrs.**
12. **19.15.7.16 : B.** In the case of a dry hole, a complete record of the well on form C-105 with the attachments listed in Subsection A of 19.15.7.16 NMAC shall accompany the notice of intention to plug the well, unless previously filed. The division shall not approve the plugging report or release the bond the operator has complied with 19.15.7.16 NMAC.

DATE: 2/2/2016

APPROVED BY:

ASD

N.M.O.C.D.- Guidelines For Plugging

- All cement plugs will be a minimum of 100' in length, or a minimum of 25sx. Of cement, whichever is greater.
- Mud laden fluids must be placed between all cement plugs.
- Mud laden fluids must be mixed at 25 sx. Of gel per 100 bbls. Of water.
- A cement plug is required to be set 50' below, and 50' above all casing shoes, and casing stubs. **These plugs must be tagged.**
- A CIBP with 35' of cement on top, may be set instead of 100' plug.
- A plug as indicated above, must be placed within 100' of top perforation. **This plug must be tagged.**
- Plugs set above and below all salt zones, **must be tagged.**
- No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.
- D.V. tools are required to have a 100' cement plug set 50' above, and 50' below the tool. **This plug must be tagged.**

Formations to be isolated with plugs placed at the top of each formation are:

- Fusselman
- Devonian
- Morrow
- Wolfcamp
- Bone Springs
- Delaware
- Any salt section (plug at top and bottom)
- Abo
- Glorietta
- Yates (this plug is usually at base of salt section)

If cement does not exist behind casing strings at recommended formation depths, the casing must be cut and pulled with plugs set at these depths, or casing must be perforated and squeezed behind casing at the formation depths.

In the R-111P area (Potash mine area) a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than a 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.