

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

WELL API NO. 30-015-00675
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name SOUTH RED LAKE II UNIT
8. Well Number 50
9. OGRID Number 240974
10. Pool name or Wildcat RED LAKE;QUEEN-GRAYBURG-SA

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.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator LEGACY RESERVES OPERATING LP	
3. Address of Operator PO BOX 10848, MIDLAND, TX 79702	
4. Well Location Unit Letter <u>L</u> : <u>1650</u> feet from the <u>SOUTH</u> line and <u>990</u> feet from the <u>WEST</u> line Section <u>36</u> Township <u>17S</u> Range <u>27E</u> NMPM County <u>EDDY</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3608' GR	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☒
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

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.

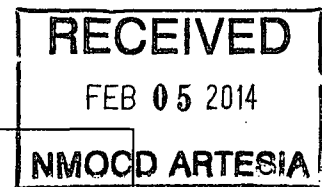
ESTIMATED START DATE: 03/15/2014

---SEE ATTACHED P&A PROCEDURE ALONG WITH CURRENT & PROPOSED WELLBORE DIAGRAMS---

CONDITIONS OF APPROVAL ATTACHED

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.emnrd.state.nm.us/oed.

Approval Granted providing work is Completed by Feb 6th 2015



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 Craig Sparkman TITLE OPERATIONS ENGINEER DATE 02/03/2014

Type or print name CRAIG SPARKMAN E-mail address: PHONE: 432-689-5200

For State Use Only

APPROVED BY: [Signature] TITLE Dis. H. Spaword DATE Feb 6th 2014

Conditions of Approval (if any):

See Attached COA's Not for Artesia OCD



South Red Lake II Unit #50 – P&A Procedure

Estimated start date: 3/15/2014

1. MIRU plugging company. NU 3000# min. BOP.
2. Plug 1 (in 5-1/2" csg): Place 35' of cmt (class C from 1,650'-1,615') on top of CIBP @ 1,650'.
3. Circ hole w/plugging mud.
4. Plug 2 (in 5-1/2" csg): Set 60' cmt plug (class C) fr/60'-surf.
5. Cut off well head. Weld on dry hole marker. Clean location.

-Notify appropriate agency 48 hrs. prior to commencing operation.
(BLM-Carlsbad (575- 234-5972) or NMOCD-Hobbs (505-393-6161))

ARTESIA 575-748-1283

Craig Sparkman
Petr. Eng.



South Red Lake II Unit #50

LOCATION: See Below for SHL & BHL

FIELD: Empire
COUNTY: Eddy
STATE: New Mexico

GR: 3608'
KB: 3620'
SPUD DATE: 04/18/62

LATEST UPDATE: 01/27/2014
BY: MAL
API No: 30-015-00675

Location:

SHL: 1650' FSL & 990' FWL, Sec 36, T 17-S, R 27-E

11" Hole

CIBP set @
1650'

TOC @ 2000'

40 sx cmt plug
@ 2050'

25 sx cmt plug
@ 3150'

CIBP set @
5400'

30 sx cmt plug
@ 5418'

7-7/8" Hole

8-5/8" 24# csg set @ 1500',
cmt'd w/ 750 sx, TOC @
surf.

Perf @ 1692-710', 1727-33'
Grayburg

5-1/2" 14# csg set @ 1811',
cmt'd w/ 400 sx

Perfs @ 5612-28'

Perfs @ 5688-704'

Perf @ 5800-15'

4-1/2" 9.5# J-55 csg set @ 5844',
cmt'd w/ 810 sx, TOC @ surf.

TD 5850'

PBTD 1650'

05/07/62

Perf @ 5612-28' w/ 2 SPF. Acidized w/ 3000
gals LSTNE acid

06/19/62

Frac well w/ 30,000 gals containing 1-2#
sd/gal

05/07/64

Perf @ 5688-704 w/ 2 SPF. Acidized w/
5000 gals acid. Frac w/ 40,000 gals oil,
32,000# sd, 4000# glass beads. Treat 5800-
12' w/ 1000 gals emulsion breakers

08/10/90

Cut/pull 4-1/2" csg @ 2000'. RIH 2000' 5-
1/2" csg. Perf Grayburg @ 1692-710', 1727-
33' w/ 4 JSPF. Acidized w/ 500 gals 10%
MCA. Frac w/ 20,000# 20/40 sd

03/13/07

CIBP set @ 1650', circ. w/ packer fluid,
pressure tested to 500# for 30 min. Well is
TA until 03/13/12



South Red Lake II Unit #50

LOCATION: See Below for SHL & BHL

PROPOSED

FIELD: Empire
COUNTY: Eddy
STATE: New Mexico

GR: 3608'
KB: 3620'
SPUD DATE: 04/18/62

LATEST UPDATE: 01/31/2014
BY: MAL
API No: 30-015-00675

Location:

SHL: 1650' FSL & 990' FWL, Sec 36, T 17-S, R 27-E

11" Hole

Plug 2: 60' cmt. @ surface

8-5/8" 24# csg set @ 1500',
cmt'd w/ 750 sx, TOC @
surf.

CIBP set @
1650'

Plug 1: 35' cmt. on top of CIBP @ 1650' to 1615'

TOC @ 2000'

Perf @ 1692-710', 1727-33'
Grayburg

40 sx cmt plug
@ 2050'

5-1/2" 14# csg set @ 1811',
cmt'd w/ 400 sx

25 sx cmt plug
@ 3150'

CIBP set @
5400'

30 sx cmt plug
@ 5418'

Perfs @ 5612-28'

Perfs @ 5688-704'

7-7/8" Hole

Perf @ 5800-15'

TD 5850'

PBTD 1650'

4-1/2" 9.5# J-55 csg set @ 5844',
cmt'd w/ 810 sx, TOC @ surf.

05/07/62

Perf @ 5612-28' w/ 2 SPF. Acidized w/ 3000
gals LSTNE acid

06/19/62

Frac well w/ 30,000 gals containing 1-2#
sd/gal

05/07/64

Perf @ 5688-704 w/ 2 SPF. Acidized w/
5000 gals acid. Frac w/ 40,000 gals oil,
32,000# sd, 4000# glass beads. Treat 5800-
12' w/ 1000 gals emulsion breakers

08/10/90

Cut/pull 4-1/2" csg @ 2000'. RIH 2000' 5-
1/2" csg. Perf Grayburg @ 1692-710', 1727-
33' w/ 4 JSPF. Acidized w/ 500 gals 10%
MCA. Frac.w/ 20,000# 20/40 sd

03/13/07

CIBP set @ 1650', circ. w/ packer fluid,
pressure tested to 500# for 30 min. Well is
TA until 03/13/12

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 Reserves Op
Well Name & Number: South Red Lake HP Unit #50
API #: 30-015-00675

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 perfs, 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.

DATE:

FEB 6, 2014

APPROVED BY:

JR Sado

GUIDELINES FOR PLUGGING AND ABANDONMENT

DISTRICT II / ARTESIA

- All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater.
- Mud laden fluids must be placed between all cement plugs.
- Mud laden fluids must be mixed at 25 sacks 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 stub plugs. These plugs must be tagged.
- A CIBP with 35' of cement on top may be set in lieu of 100' cement plug.
- A plug as indicated above must be placed within 100' of top perforation. This plug must be tagged.
- Plugs set below and above salt zones must be tagged.
- No more than 2000' is to be allowed between cement plugs in open hole and no more than 3000' in cased hole.
- DV tools are required to have a 100' cement plug set 50' above and below the tool and must be tagged.
- Formations to be isolated with plugs placed at the top of each formation are:
 - Fusselman
 - Devonian
 - Morrow
 - Wolfcamp
 - Bone Spring
 - Delaware
 - Any Salt Section (Plug at top and bottom)
 - Abo
 - Glorieta
 - 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 cement squeezed behind casing at the formation depths.
- In the R-111-P 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 (50' below and 50' above).