

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. 30-015-31293
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-7116, E-949, B-2071, 647
7. Lease Name or Unit Agreement Name Geronimo 34 State Com
8. Well Number 1Y
9. OGRID Number 246289
10. Pool name or Wildcat Travis; Upper Penn. North

**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  Gas Well  Other

2. Name of Operator RKI Exploration and Production

3. Address of Operator 210 Park Ave., Suite 900  
Oklahoma City, OK 73102

4. Well Location  
 Unit Letter E : 1,700 feet from the NORTH line and 1,038 feet from the WEST line  
 Section 34 Township 17 S Range 28 E NMPM County EDDY

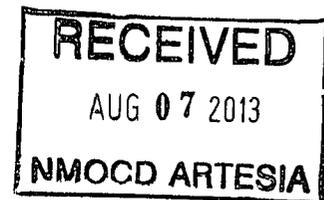
11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3,673' GL

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
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 ATTACHMENTS:  
 P & A PROPOSAL SUMMARY  
 P & A PROCEDURE  
 WELLBORE SCHEMATIC



Spud Date: 7-25-2000

Rig Release Date: 8-20-2000

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

SIGNATURE Jody Noerdlinger TITLE REGULATORY ANALYST DATE 8/7/2013

Type or print name JODY NOERDLINGER E-mail address: JNOERDLINGER@RKIXP.COM PHONE: 405-996-5774

**For State Use Only**  
 APPROVED BY: [Signature] TITLE District Supervisor DATE 8/7/13

Conditions of Approval (if any):

# RKI Exploration & Production, LLC

## Geronimo 34 State Com 1Y

### Plugging & Abandonment Procedure

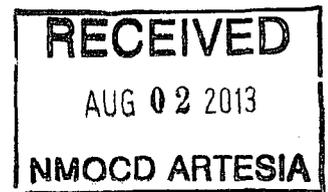
Section 34 T17S R28E  
Eddy County, New Mexico  
API # 30-015-31293

Prepared By: Jaime McAlpine, P.E.  
Email: jmc Alpine@rkixp.com

**Spud Date:** 7/20/2000  
**Comp Date:** 9/21/03

**Producing Formation:** Cisco 8,370'-8,390' OA

**KB Elev:** 3,696'  
**GL Elev:** 3,673'  
**TD:** 10,600' **PBTD:** 10,150'



#### TUBULAR SUMMARY:

Surface: 13 3/8" 48# K-55 8rd STC: 0-451' - TOC @ surface  
Intermediate: 9 5/8" 36# STC: 0' - 2,666' - TOC at surface  
Production: 5 1/2" 17# N-80/P-100: 0' - 10,591' - TOC @ 2,304' per CBL  
Tubing: None

**OBJECTIVE:** Plug and abandon per Federal BLM requirements.

**RKI REQUIRES THAT HARD HATS, STEEL TOE BOOTS, FIRE RETARDANT CLOTHING, AND SAFETY GLASSES BE WORN ON LOCATION**

**HOLD SAFETY MEETING PRIOR TO COMMENCING DAILY OPERATIONS**

**NO IGNITION SOURCES WITHIN 100 FT OF THE WELLHEAD, TANKS OR MANIFOLD.**

#### PROCEDURE:

*AR Dade Aug 2, 2013*

- 1) Test safety anchors.
- 2) MI RU Service Unit.
- 3) ND flange/tubinghead. NU BOP.
- 4) MI RU wireline. RIH w/ JB/GR to 8,370'. RIH and set CIBP @ 8,350'. Dump bail 10' cmt on plug. *35' or 25sxs LRD*
- 5) Deliver, unload and tally 8,350' 2 3/8" 4.7# J-55 EUE work string. TIH w/ tubing to 8,325'.
- 6) MI RU pump truck. Load hole with 2% KCL water. Pressure test plug to 1,000 psi. Circulate hole w/ 175 bbls. mud.
- 7) TOH w/ tubing. LD 6,000' tubing.
- 8) RIH w/ JB/GR to 6,850'. RIH and set CIBP @ 6,800'. Dump bail 10' cmt on plug. RIH w/ JB/GR to 4,050'. RIH and set CIBP @ 4,000'. Dump bail 10' cmt on plug. RIH w/ JB/GR to 2,500'. RIH and set CIBP @ 2,450'. Dump bail 10' cmt on plug. *35' or 25sxs LRD*
- 9) Weld lift sub on casing. Pull free point on 5-1/2" casing. RIH and cut-off 5-1/2" @ est 2,275'. RD MO wireline.
- 10) TOH and LD 5-1/2" casing.
- 11) TIH w/ tubing to 2,400'.

*★ SEE ATTACHED COA'S*

*35' or 25sxs LRD*

*35' or 25sxs LRD*

**CONDITIONS OF APPROVAL ATTACHED**

Approval Granted providing work is Completed by *Aug 2, 2014*

- 12) Pump 40 sx Class C, 16.4 ppg/4.3 gps and flush w/ 9 bbls. mud. SI well. WOCT. RIH and tag cmt plug.
- 13) POH w/ 10 jts. tubing. SI well. WOCT. RIH and tag cmt. plug.
- 14) POH w/ tubing to 500'. LD tubing.
- 15) Pump 40 sx Class C, 16.4 ppg/4.3 gps and flush w/ 1.5 bbls. mud. TOH w/ tubing. SI well. WOCT. RIH and tag cmt plug.
- 16) POH w/ tubing to 100'. LD tubing.
- 17) Pump 40 sx Class C, 16.4 ppg/4.3 gps. LD tubing. RD MO cementers. RD MO service unit.
- 18) Cut off casing 3' below ground level. WO cap with operator, well name/number and date. Remove all equipment, pull safety anchors and clean up surface location.

**RKI Contact List:**

<b>RKI</b>	<b>Title</b>	<b>Office</b>	<b>Cell</b>
Brent Umberham	Manager-Drlg & Prod Ops	405-996-5748	405-623-5080
Ken Fairchild	Production Manager	405-996-5764	469-693-6051
Paul Munding	Production Engineer	405-987-2140	405-820-2825
Jaime McAlpine	Engineering Consultant	405-996-5741	405-850-6685

**Emergency Contacts – New Mexico:**

Hospital: Carlsbad Medical Center (575) 887-4100  
 2430 W. Pierce St., Carlsbad, NM 88220

Sheriff's Office: Lea County Sheriff Dept (575) 396-3611  
 Eddy County Sheriff Dept (575) 887-7551

**Emergency Contacts – Texas:**

Hospital: Reeves County Hospital (432) 447-3551  
 2323 Texas St, Pecos TX 79772

Sheriff's Office: Reeves County Sheriff Dept (432) 445-4901  
 Loving County Sheriff Dept (432) 377-2411

# RKI Exploration and Production, LLC

Geronimo 34 State Com 1Y

Section 34 T17S 28E

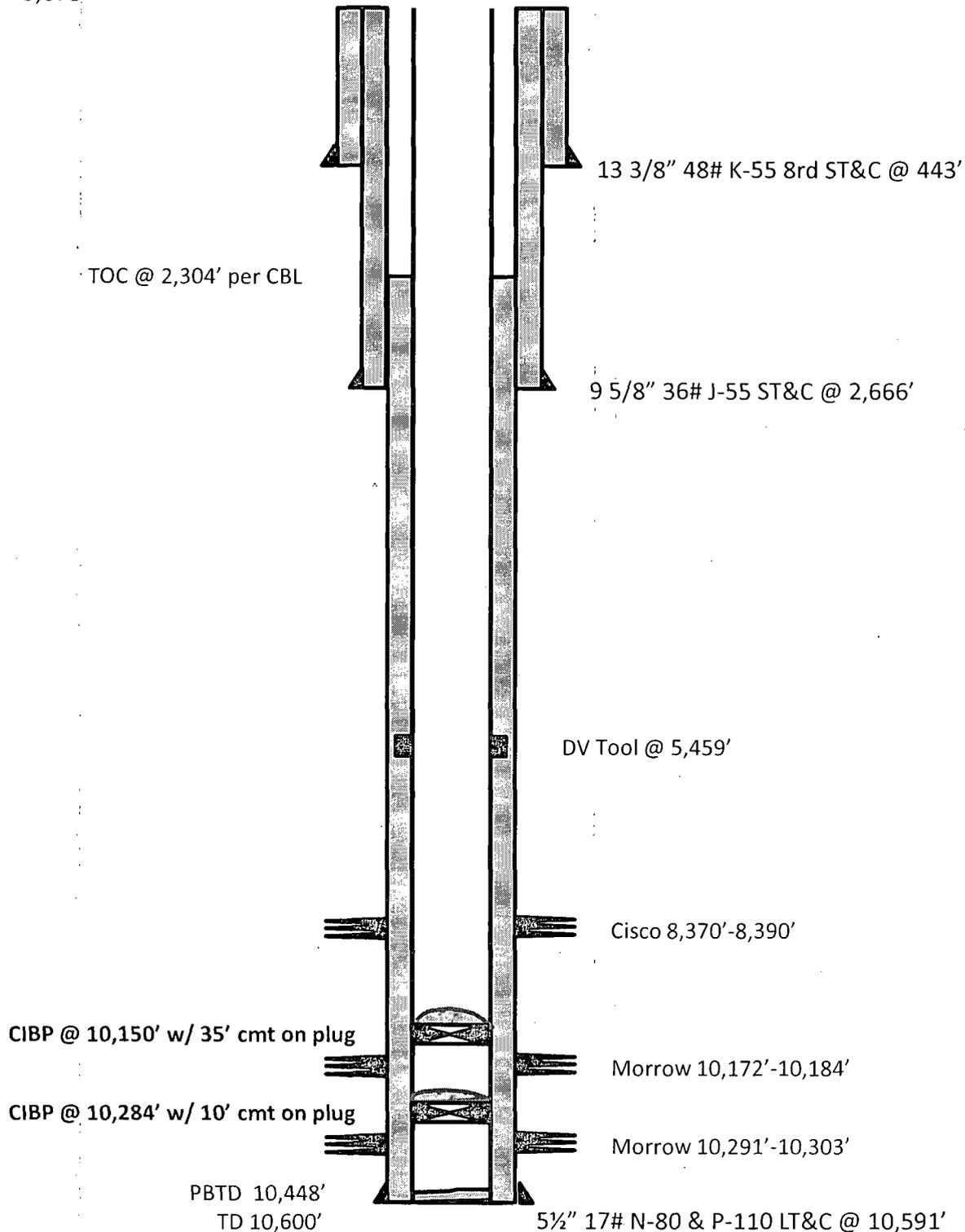
Eddy County, New Mexico

API No. 30-015-31293

KB - 3,696'

GL - 3,673'

7/9/13; JLM



# RKI Exploration and Production, LLC

Geronimo 34 State Com 1Y

Section 34 T17S 28E

Eddy County, New Mexico

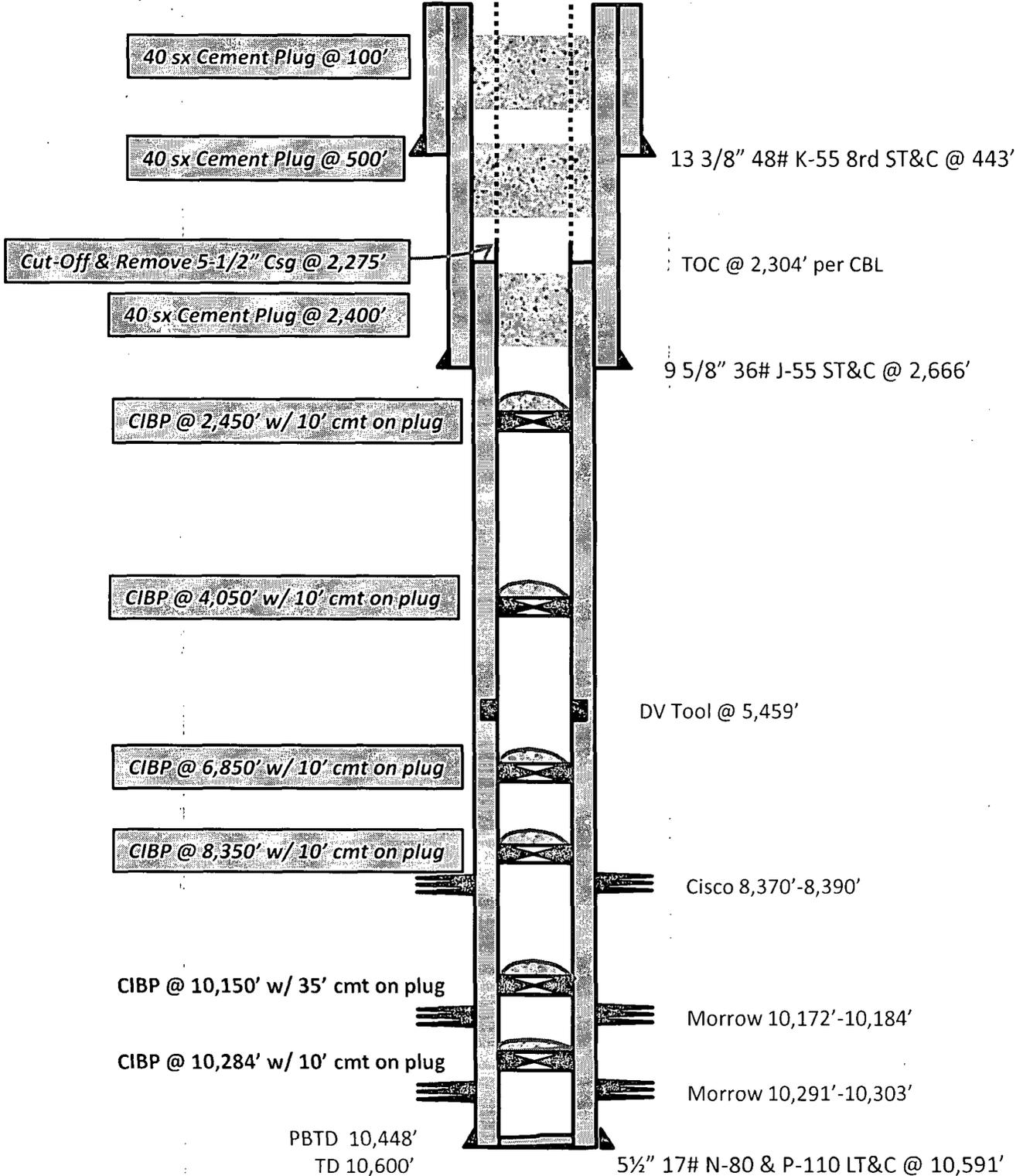
API No. 30-015-31293

**PROPOSED**

KB - 3,696'

GL - 3,673'

7/31/13; JLM



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: RKI Exploration & Production

Well Name & Number: Geronimo 34 State Com 14

API #: 30 - 015 - 31293

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.

DATE: Aug 2, 2013

APPROVED BY: *RDado*

## 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 plus 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).