





WELL BORE INFO.

LEASE NAME

Empire Abo Ut. "L"

WELL #

152

API #

30-015-21825

COUNTY

Eddy

11" hole

8 5/8" 24# @ 1003'  
w/ 350 sx to surf

7 7/8" hole

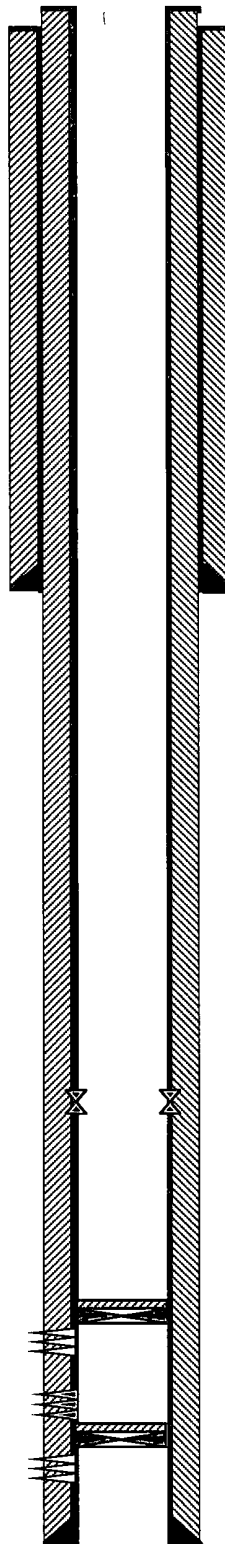
DVT @ 4332'

CIBP @ 5840' w/ 35' cmt  
Abo perms @ 5916'-6002'

Abo perms @ 6037'-6050' sqzd w/ 75 sx cmt

CIBP @ 6115' w/ 3 sx cmt  
Abo perms @ 6130'-6150'

5 1/2" 15.5# @ 6335'  
w/ 1590 sx to surf



PBTD @ 5805'  
TD @ 6335'



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## PROPOSED PROCEDURE

11" hole

8 5/8" 24# @ 1003'  
w/ 350 sx to surf

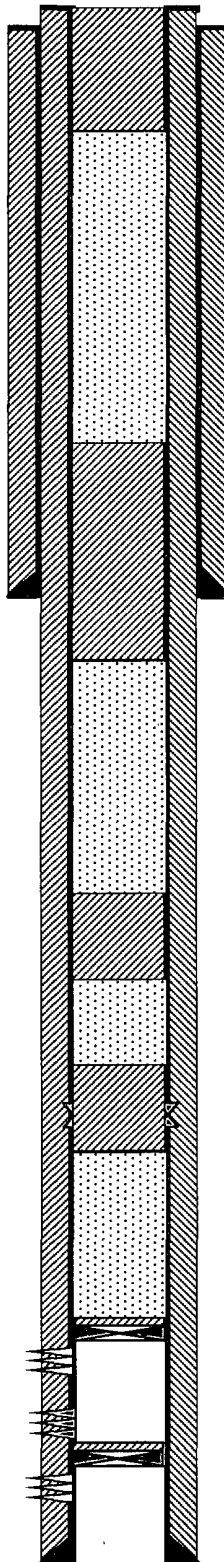
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PBTD @ 5805'  
TD @ 6335'

5. PUH & spot 30 sx Class "C" cmt from 250' to surf. (7 Rvrs & Water Board)

4. PUH & spot 90 sx Class "C" cmt from 1607'-780' WOC/TAG (San Andres, Shoe, & Queen)

3. PUH & spot 25 sx Class "C" cmt from 3189'-2939' (Glorieta)

2. PUH & spot 25 sx Class "C" cmt from 4382'-4132' (DVT)

1. MIRU, RIH w/tbg & verify CIBP @ 5840', CIRC w/ MLF.

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: Apache Corp.

Well Name & Number: Empire Abo UT 1" #152

API #: 30-015-21825

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.

DG

Date: 9/12/2011