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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION OF GETTY OIL  
COMPANY FOR AN EXCEPTION  
TO ORDER NO. R-111-A,  
LEA COUNTY, NEW MEXICO.

Case No. 4090

APPLICATION

Comes now Getty Oil Company, by its attorneys, and seeks an order of the New Mexico Oil Conservation Commission granting it an exception to the casing and cement requirements of Order No. R-111-A with respect to four wells to be drilled and recompleted in the Potash-Oil Area, and in support of its application states:

1. Applicant is the operator of and intends to recomplete the following wells located in Township 20 South, Range 34 East, Lea County, New Mexico:

|                              |                              |
|------------------------------|------------------------------|
| Government N Well No.2       | Located in Unit N of Sec.19. |
| Government N Well No.3       | Located in Unit M of Sec.19. |
| Richardson Federal Well No.1 | Located in Unit C of Sec.30. |
| Richardson Federal Well No.2 | Located in Unit D of Sec.30. |

2. Applicant proposes to recomplete each of the four above described wells by drilling the said wells to a total depth of approximately 3500 feet and complete them in the Yates Formation. Based upon the log of the Cities Service Government N Well No.1-Y, located 660 feet from the south line and 2084 feet from the west line of Section 19, Township 20 South, Range 34 East, Lea County, New Mexico, it may be reasonably assumed that in each of the four subject wells the top of the anhydrite will be encountered at approximately 1510 feet, the top of the salt at 1640 feet, the base of the salt at 3118 feet, the top of the Tansill formation

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at 3200 feet, and the top of the Yates formation at 3300 feet. The porosity zones in the Yates formation may be expected in intervals of 3356 to 3370 feet, 3372 to 3382 feet, and 3420 to 3440 feet.

3. Applicant proposes to drill and equip each of the four subject wells in the following manner as an exception to the requirements of Order No. R-111-A:

Drill 11" hole to 1550 feet, set 8-5/8-inch casing at 1550 feet in the anhydrite, cement the surface string of casing with 300 sacks of Class C with 4% gel (5# salt per sack) plus 200 sacks of Class C with 2# calcium chloride per sack.

Circulate cement to surface (volume of cement used is equivalent to 200% of calculated volume necessary to cement to surface).

Drill 7-7/8-inch hole to 3500 feet, set 5½" casing at 3500 feet. Cement 5½" casing string in two stages as follows: 100 sacks of Class C (2# calcium chloride per sack) circulated back to 3100 feet; through a DV tool set at 3100 feet circulated to surface 450 sacks Class C with 4% gel (33# salt per sack and 1# calcium chloride per sack).

Displace drilling mud with saturated brine.

Test surface casing at 600 PSI before and after drilling out the casing shoe and test 5½" casing at 1000 PSI.

Run R-type centralizers on bottom of surface casing and install bar centralizers and scratchers within 150 feet of the bottom of the 5½" casing string.

Rough-coat the bottom 250 feet of the 5½" casing string.

The mud program to be used in the drilling of the subject wells is as follows: spud mud (9# per gallon) from surface to 1550 feet; brine (10# per gallon) from 1550 to 3200 feet; salt gel mud (10# per gallon) from 3200 to 3500 feet.

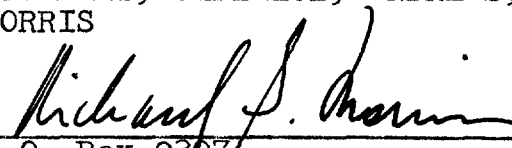
4. The proposed drilling, casing, cementing and mud programs for the subject wells will adequately protect the salt section and will ensure separation of the oil and gas production from the potash zone.

5. Approval of this application will prevent waste and protect correlative rights of both the petroleum and potash interests in the affected area.

WHEREFORE, applicant requests that the Commission set this application for hearing before the Commission or one of its Examiners and that the Commission enter its order approving this application.

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