



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Farmington, N.Mex.**

Lease No. **SF-079181**

Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

| | |
|--|--|
| NOTICE OF INTENTION TO DRILL | SUBSEQUENT REPORT OF WATER SHUT-OFF |
| NOTICE OF INTENTION TO CHANGE PLANS | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | SUBSEQUENT REPORT OF ALTERING CASING |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | SUBSEQUENT REPORT OF ABANDONMENT |
| NOTICE OF INTENTION TO PULL OR ALTER CASING | SUPPLEMENTARY WELL HISTORY |
| NOTICE OF INTENTION TO ABANDON WELL | Subsequent Report of Drill Stem Tests |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 17, 19 57

Well No. **1 Federal** is located **660** ft. from **[S]** line and **1980** ft. from **[W]** line of sec. **8**

SE SW/4 of 8
(1/4 Sec. and Sec. No.)

T-19-N
(Twp.)

R-5-W
(Range)

NMPM
(Meridian)

Wildcat
(Field)

McKinley
(County or Subdivision)

New Mexico
(State or Territory)

ground

The elevation of the ~~surface~~ above sea level is **6638.9** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mud jobs, cementing points, and all other important proposed work)

DST #1 - June 16, 1957: 1538-1569 feet. Tool open 4 hours with good blow of air initially, decreasing to very weak blow in 35 minutes. Died in 1 hour 35 minutes. No flammable gas to surface. Recovered 150 feet of very heavily oil and gas cut mud. Surface pressure zero. Bottom hole pressures as follows: IFP 70 psi, FFP 105 psi, IMP 870 psi, FMP 790 psi, ISIP 105 psi, PSIP 415 psi. Tool was shut in 30 minutes. One inch top and bottom chokes were used. Test was mechanically successful.

DST #2 - June 19, 1957: 1593-1619 feet. Open for 4 hours. Strong initial blow of air decreasing to weak blow in 45 minutes and for remainder of test. No flammable gas to surface or in drill pipe. Recovered 1140 feet fresh water. The top and bottom 60 feet slightly mud cut. Surface pressure zero. Bottom hole pressures (See reverse side.)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Reynolds Mining Corporation**
Oil and Gas Division
Address **152 1/2 East Ninth Street**
Post Office Box 1328
Durango, Colorado

Telephone **Cherry 7-2060**

COPY Original Signed By **C. J. Eskridge, Jr.**

By _____
C. J. Eskridge, Jr.
Title **District Petroleum Engineer**

DST #2, Continued:

as follows: IFP 65 psi, FFP 520 psi, ISIP 520 psi, FSIP 585 psi, IMP 885 psi, FMP 875 psi. Tool was shut in for 30 minutes. One inch top and bottom chokes were used. Test was mechanically successful.

DST #3 - June 23, 1957: 2097-2110 feet. Tool open 4 hours with weak blow of air increasing to fair blow in one hour and for remainder of test. Recovered 60 feet water cut drilling mud and 720 feet of fresh water. There was no flammable gas to surface or in drill pipe. Bottom hole pressures as follows: IFP 30 psi, FFP 205 psi, FSIP 685 psi, IMP 1050 psi, FMP 1030 psi, Tool was shut in for 30 minutes. One inch top and bottom chokes were used. Test was mechanically successful.

DST #4 - July 3, 1957: 3791-3832 feet. Tool open 4 hours, weak blow for 14 minutes then died. Tool bypassed after one hour. Very weak blow for one minute then died. Recovered 60 feet of drilling mud with no show. Surface pressure zero. Bottom hole pressures as follows: IFP 105 psi, FFP 210 psi, 30 minutes SIP 210 psi, IMP 1970 psi, FMP 2120 psi. One inch top and bottom chokes were used. Test was mechanically successful.