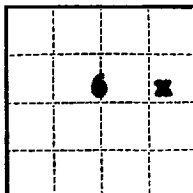


(SUBMIT IN TRIPLICATE)

Indian Agency _____

JicarillaUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYAllottee **Contract #119**

Lease No. _____



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 REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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	Completing

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

February 13, 1957

Well No. **"F" 4-6** is located **1850** ft. from **[N]** line and **1190** ft. from **[E]** line of sec. **6****SE/4 NE/4 6**
(1/4 Sec. and Sec. No.)**26N 4W**
(Range)**10WPM**
(Meridian)**Wildcat (Dakota)**
(Field)**Rio Arriba**
(County or Subdivision)**New Mexico**
(State or Territory)The elevation of the ~~surface~~ **water, grad.** above sea level is **7149** ft.

DETAILS OF WORK

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

TD 8392'. FSD 8365'. Perf 5 1/2" liner fr 8300-14, 8228-30, 8265-68, 8274-84, 8308-12, 8342-50, 8358-64, w/4 SFF. Frac Dakota w/44,400 gals wtr and 27,725# 20-40 sd. ED 2600#. IP 2700#. Max 3200#. Avg 2800#. Stdg 2200# in 5 mins. Inj 125 ball sealers. IR 33.8 RPM. Set Baker HP @ 8160' w/1 sz cement on top. Perf 8090-8132 w/4 SFF and frac Graneros w/49,700 gals wtr and 33,000# 20-40 sd and 10 gals W 1-7 surf tension agent. ED 2800#. IP 2900#. Avg 2700#. Max 3100#. Stdg 1750#. Inj 90 ball sealers. IR before inj balls 47 RPM. Overall IR 42.3 RPM. Cleaned out sand and Graneros kicked off. Set Baker HP @ 8000' and dumped 2 sz cement on top. Perf 5942-48, 5972-78, 5998-6004, 6068-72, 6102-40, 6152-58, 6176-80 w/4 SFF. Frac lower Mesaverde w/41,000 gals wtr. ED, IP, Avg, Max and Final 1400#. To vacuum. Inj 105 ball sealers w/no noticeable liner in press. IR 81 RPM. Perf 5572-80, 5586-92, 5624-36, 5644-48, 5662-68, 5688-94, 5698-94, 5820-28, 5848-54, 5902-86 w/4 SFF. Set rotar HP @ 5926' and frac upper Mesaverde w/38,400 gals wtr. ED 1300#. IP 1900#.

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

Company **NORTHWEST PRODUCTION CORPORATION**Address **520 Simon Building****Albuquerque, New Mexico**

RAY PHILLIPS

By **Ray Phillips**Title **Asst. Mgr., Prod. Op.**

Aug 14000. Max 13000. Final 13000. To vacuum in 10 mins. Inj 300 ball sealers w/no noticeable press incr. IR 50 RPM. Stable to rec BP @ 3025 w/retrieving tool. Bld BP @ 3025, 3000, and 3100' and cleaned out to 3245'. Set 3200.04' of 2-1/8" OD J-35 4.70 EMI tubing @ 3302.73' w/behav HNJ packer w/hydr hold down set at 7300' and this side-door choka w/straight thru mudrill at 6100'. Mammals and Gravel-Baketa kicked off. Released rig 4 pm 2-2-57 and shut well in for gage.

