



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office SANTA FE

Lease No. SF 077972

Unit S/2, SEC. 11, T-27-N, R-13-W
N.M.P.M., SAN JUAN CTY, N.MEX.

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.....	XX
NOTICE OF INTENTION TO ABANDON WELL.....		

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

SEPTEMBER 10, 1963



/RICHARDSON

Well No. 2 is located 890 ft. from N line and 990 ft. from E line of sec. 11

SE/4, SE/4 SEC. 11
($\frac{1}{4}$ Sec. and Sec. No.)

T-27-N R-13-W
(Twp.) (Range)

N.M.P.M.
(Meridian)

BASIN DAKOTA
(Field)

SAN JUAN COUNTY
(County or Subdivision)

NEW MEXICO
(State or Territory)

The elevation of the derrick floor above sea level is 5884 ft.

DETAILS OF WORK

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

- 1) DRILLED 7 7/8" HOLE W/MUD TO T.D. OF 6175 FT. R.K.B.
- 2) RAN 196 JTS. 4 L/2", 10.50#, J-55 CASING. LANDED AT 6168 FT. R.K.B. BAKER STAGE COLLARS AT 4169 FT. R.K.B. AND 1634 FT. R.K.B. CEMENT 1ST STAGE W/320 CU. FT. 20% DIACEL "D" CLASS "C" CEMENT CONTAINING 12 1/2# GILSONITE/SK AND 95 CU. FT. OF REGULAR CEMENT CONTAINING 2% CALCIUM CHLORIDE. CEMENTED 2ND STAGE THROUGH STAGE COLLAR AT 4169 FT. W/740 CU. FT. OF 20% DIACEL "D" CLASS "C" CEMENT CONTAINING 12 1/2# GILSONITE/SK AND 2% CALCIUM CHLORIDE. CEMENTED 3RD STAGE THROUGH STAGE COLLAR AT 1634 FT. W/585 CU. FT. OF 40% DIACEL "D" CLASS "C" CEMENT CONTAINING 12 1/2# GILSONITE/SK AND 4% CALCIUM CHLORIDE. PLUG DOWN ON 3RD STAGE 2:30 PM 8-27-63. CEMENT CIRCULATED TO SURFACE ON 3RD STAGE.

- 3) DRILLED OUT STAGE COLLARS AND CLEANED OUT TO P.B.T.D. 6139 FT. ON SEPTEMBER 3, 1963. PRESSURE TEST CASING TO 3000 PSI FOR 15 MINUTES. TEST OK. RAN CORRELATION LOG AND CEMENTBOND LOGS. TOP OF CEMENT ON 1ST STAGE AT 4850 FT.

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

(OVER)

Company SOUTHERN UNION PRODUCTION COMPANY

Address POST OFFICE BOX 808

FARMINGTON, NEW MEXICO

By Gilbert D. Noland Jr.
GILBERT D. NOLAND, JR.
Title DRILLING SUPERINTENDENT

SUPPLEMENTARY WELL HISTORY CONT'D

- 4) PERFORATED 2 SHOTS/FT. FROM 6072 FT. TO 6104 FT. WITH JET CHARGES. SAND WATER FRAC PERFORATIONS W/20,000# 20-40 SAND AND 40,000 GALLONS WATER CONTAINING 1½ CALCIUM CHLORIDE AND 7# J-114/1000 GALLONS. SET BAKER 4 1/2" MAGNESIUM BRIDGE PLUG AT 6030 FT. PERFORATED 2 SHOTS/FT. FROM 5924 FT. TO 5928 FT., 5933 FT. TO 5938 FT., 5954 FT. TO 5960 FT., 5967 FT., TO 5971 FT., 5974 FT. TO 6002 FT. WITH JET CHARGES. SAND WATER FRAC PERFORATIONS W/ 61,740 GALLONS OF WATER CONTAINING 1½ CALCIUM CHLORIDE AND 7# J-114/1000 GALLONS AND 10,000# 40-60 MESH SAND AND 50,000 # 20-40 MESH SAND ON SEPT. 4, 1963.
- 5) RAN TUBING AND DRILLED BRIDGE PLUG AT 6030 FT. AND CLEANED OUT TO P.B.T.D. 6139 FT.
- 6) RAN 2" E.U.E. ,4.70#, J-55 TUBING AND PERF. JOINT. LINED AT 6026 FT. R.K.B. SWABBED WELL IN. COMPLETED WELL SEPTEMBER 6, 1963.