



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office **SANTA FE**
Lease No. **SF 078212**
Unit **E/2, Sec. 9, T-30N, R-13W,**
N.M.P.M., SAN JUAN COUNTY,
NEW MEXICO.

SUNDRY NOTICES AND REPORTS ON WELLS

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|---|---|
| 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..... | |

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

OCTOBER 11, 1963

Well No. **6** ^{/McCord} is located **1810** ft. from **N** line and **1450** ft. from **E** line of sec. **9**

SW/4, NE/4 Sec. 9
(1/4 Sec. and Sec. No.)

T-30-N
(Twp.)

R-13-W
(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 **5584** ft. **UNGRADED GROUND LEVEL**

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 TO T.D. OF 6360 FT. WITH MUD.
2. RAN 200 JTS 4 1/2", 10.50#, J-55 CASING. LANED AT 6360 FT. R.K.B. SET BAKER STAGE COLLAR AT 4361 FT. R.K.B. CEMENT 1ST STAGE W/150 CU. FT. 1-1 DIAMIX W/6% GEL, 12# GILSONITE, 5# SALT AND 1% D-30, 200 CU. FT. 1-1 DIAMIX W/2% GEL, 12# GILSONITE, 5# SALT AND 0.6% D-30 AND 60 CU. FT. LATEX. PLUG DOWN 2:00 AM 8-31-63. OPENED STAGE COLLAR AND CEMENTED 2ND STAGE W/1400 CU. FT. OF 40% DIAGEL "D" W/4% C.O. AND 12# GILSONITE/SK. PLUG DOWN 6:00 AM 8-31-63.
3. CLEANED OUT TO 6329 FT. PEFT. ONE HOLE AT 6106, 6110, 6122, 6160, 6154, 6172, 6194, 6204, 6211, 6218, 6262 AND 6285

(OVER)

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

Company **SOUTHERN UNION PRODUCTION COMPANY**

Address **POST OFFICE BOX 808**
FARMINGTON, NEW MEXICO

By **D. G. MACY**
Title **PETROLEUM ENGINEER**



DETAILS OF WORK CONTINUED

4. RAN BAKER MODEL "R" PACKER AND CIRCULATE ANNULUS W/ DISTILLATE. SPOT 250 GAL. OF 15% MUD ACID.
5. RAN CORRELATION AND BOND LOGS LOG. GOOD CEMENT BOND.
6. FRAC W/60 TONS LIQUID CARBON DIOXIDE. BDR 3100 PSI. MAX TREATING PRESS. 4500 PSI. MIN TREATING PRESS. 4200 PSI. ISIP 800 PSI. 5 MIN. SHUT IN 750 PSI. 15 MIN. SHUT IN 700 PSI. AVG. INJ. RATE 11.5 BPM. DROPPED 3 BALLS, HAD PRESS. INCREASE OF 300 PSI. SHUT WELL IN 4 HOURS. OPEN WELL 11:00 AM AND FLOWED BACK CO₂. WELL STARTED BURNING AT 3:00 AM 9-28-63. WELL FLOWING 415 MCPPD AGAINST 600 PSI BACK PRESSURE AND MAKING 2 BBL. DISTILLATE PER DAY. 10-7-63.
7. KILL WELL W/1% G.G. WATER AND PULL TUBING. PERF. ADDITIONAL HOLES IN DAKOTA AT FOLLOWING DEPTHS: 6105, 6108, 6118, 6126, 6162, 6171, 6196, 6200, 6207, 6215, 6259, 6264, 6288.
8. SAND WATER AND CO₂ FRAC W/60,000# 20-40 SAND AND 69,258 GAL. OF WATER CONTAINING 310 CU. FT. OF CO₂/BBL. PUMPED IN AT 2000 PSI. MAX TREATING PRESS. 4000 PSI., MIN. TREATING PRESS. 2700 PSI. ISIP 2600 PSI. 5 MIN. SHUT IN 500 PSI. AVG INJ. RATE 37 BPM. WELL SANDED OFF. OPEN WELL UP AND FLOWED BACK WATER AND CO₂. RAN 188 JTS. 1 1/2", 2.90#, EUE TUBING AND 8 FT. PERF. JT. LANDED TUBING AT 6107 FT. R.K.B. WELL FLOWING 758 MCPPD AGAINST 600 PSI BACK PRESSURE AND MADE 10 BBL. DISTILLATE IN 24 HRS.