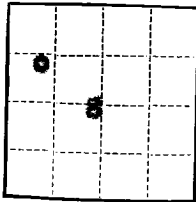


DETAILS OF WORK - CONT'D

5. DRILLED STAGE COLLAR AND CLEANED OUT TO P.B.T.D. OF 6686 N.K.B. PRESSURE TEST CASING TO 1800 PSI. HELD OK. RAN CEMENT BOND LOG. LOG SHOWED GOOD BONDS. TOP CEMENT 1ST STAGE AT 5524 N.K.B. RAN CORRELATION LOG. PERF. 1 HOLE/FT. 6662-6674. RAN BAKER FULL BONE PACKER AND SPOTTED 500 GAL. 15% ACID. BREAK DOWN FORMATION AT 3000 PSI. SHUT TUBING DOWN. SLIGHT SHOW OF GAS.
6. RE-PERF. 1 HOLE/FT. 6666-6670 AND PERF. 1 HOLE/FT. 6618-6630. SAND WATER FRAC WITH 30,000 GAL. 1% C.C. WATER WITH 7# J-2 PER 1000 GALS., USING 20,000 LB. 20-40 MESH SAND AND 10,000 LB. 10-20 MESH SAND. B.D.P. 3100 PSI. AVG. INJ. RATE 34 B.P.M. MAX. TREAT. PRESS. 3700 PSI. MIN TREAT PRESS 3400 PSI. 5 MIN. SHUT IN PRESSURE - 1600 PSI.
7. SET BRIDGE PLUG AT 6608. PERF. 1 HOLE/FT. 6604-6606, 6575-6600, 6559-6571, 6544-6554. SAND WATER FRAC WITH 33,400 GAL. 1% C.C. WATER WITH 7# J-2/1000 GAL., USING 17,000# 20-40 MESH SAND, AND 1250 GAL. 15% ACID. B.D.P. 3000 PSI. AVG. INJ. RATE 25 B.P.M. MAX. TREAT PRESS 3950 PSI. MIN. FRAC PRESS. 3500 PSI.
8. PERF. 1 HOLE/ FT. 6480-6500, 6428-6432, 6406-6412. SAND WATER FRAC W/32,000 GAL. 1% C.C. WATER WITH 7# J-2/1000 GAL. USING 20,000# 20-40 MESH AND 9,000# 10-20 MESH SAND AND 1000 GAL. 15% ACID. B.D.P. 2900 PSI. MAX. FRAC. PRESS. 3600 PSI. MIN. FRAC PRESS. 2900 PSI. AVG. INJ. RATE 35 B.P.M. I.S.I.P. 1500 PSI. 5 MIN. SHUT IN 1200 PSI.
9. DRILLED BRIDGE PLUGS AND CLEANED OUT TO P.B.T.D. OF 6686 FT. RAN 1 1/2" IJ TUBING AND LANDED AT 6602 FT. N.K.B.



(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 078384**

Unit **1/2 Sec. 8, T26N, R-8E,**
N.M.P.M., SAN JUAN COUNTY,
NEW MEXICO

SUNDRY NOTICES AND REPORTS ON WELLS

NOV 14 1963

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)

NOVEMBER 8, 1963

Well No. **7-8** is located **1780** ft. from **N** line and **790** ft. from **W** line of sec. **8**

SE/4, NW/4, Sec. 8
(1/4 Sec. and Sec. No.)

T-26-N
(Twp.)

R-8-E
(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 **6283** ft.

DETAILS OF WORK

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

1. DRILLED TO T.D. OF 6700 FT. R.K.B. WITH MUD.
2. RAN 209 JTS. 4 1/2", 10.50#, J-55 CASING. LANDED AT 6700 FT. R.K.B. SET FLOAT COLLAR AT 6686 FT. R.K.B. SET STAGE COLLAR AT 2239 FT. R.K.B.
3. CEMENTED 1ST STAGE WITH 200 CU. FT. 50-50 POZMIX WITH 4% GEL, 12 1/2# GILSONITE 5# SALT AND 1/2% T.I.C./BK. 150 CU. FT. 50-50 POZMIX WITH 2% GEL, 12 1/2# GILSONITE, 5# SALT AND 1/2% T.I.C./BK AND 100 CU. FT. LATEX CEMENT. PLUG DOWN AT 5:45 P.M. 10-29-63.
4. OPEN STAGE COLLAR AND CEMENT 2ND STAGE WITH 750 CU. FT. 40% DIACEL D WITH 12 1/2# GILSONITE AND 4% CALCIUM CHLORIDE. PLUG DOWN 7:30 P.M. 10-29-63.

(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**

