



PERMIAN TESTERS, INC.

P. O. BOX 6441

• PHONE 366-0811

ODESSA, TEXAS

79762

TICKET NO 4752

DATE August 9, 1982

ORDER NO

DISTRICT Odessa

COMPANY Discovery Operating, Inc.

LEASE Whitten

FIELD COUNTY Lea

TEST NO 1

STATE New Mexico

FORMATION

9900

ELEVATION 9942

GL

DRILL STEM TEST DATA

BOTTOM HOLE CHOKE 5/8" SURFACE 1" Adj.

CUSHION None

TIME TOOL OPENED 12:30 P.M.

15 MIN

TYPE

RECORDER DATA AK-I

CAPACITY 8200

TOOL OPEN BEFORE ISIP

1 HRS

0 MIN

TOP

4334

DEPTH 9886

INITIAL SHUT-IN

1 HRS

30 MIN

BOTTOM

13,257

DEPTH 9939

2L OPEN

3 HRS

0 MIN

CLOCK TOP

18 Hr.

BOTTOM 24 Hr.

SURFACE ACTION

Pre-Flow: Opened tool with a weak to fair blow in 3 mins.

Increasing slightly to the end of the preflow. Still fair blow.

Final-Flow: Opened tool with a weak to fair blow in 3 mins.

Increasing slightly throughout final flow. Still fair blow at the end of the final flow.

RECOVERY

Reversed Out

5200' Sulphur Water

Chlorides:

Top 8,000 PPM Rw 0.44 @ 78°

Middle 20,000 PPM Rw 0.23 @ 78°

Bottom 6,000 PPM Rw 0.67 @ 84°

REMARKS

SUCCESSFUL TEST

Yes

B.H. TEMPERATURE

156 °F

TESTER Steve Lewis

APPROVED BY

R. L. Shaw

RECORDER NO

RECORDER NO

A (INITIAL HYDROSTATIC PRESSURE)

4583 PSI

PSI

B (INITIAL PRE-FLOW PRESSURE)

468 PSI

PSI

C (FINAL PRE-FLOW PRESSURE)

15 MIN

831 PSI

PSI

D (INITIAL SHUT-IN PRESSURE)

60 MIN

3996 PSI

PSI

E (INITIAL FLOW PRESSURE)

1037 PSI

PSI

F (FINAL FLOW PRESSURE)

30 MIN

2683 PSI

PSI

G (FINAL SHUT-IN PRESSURE)

180 MIN

3917 PSI

PSI

H (FINAL HYDROSTATIC PRESSURE)

4579 PSI

PSI

TOOL DATA

NO PACKERS 2 STRADDLETEST

SIZE PACKERS 6 3/4 CSG TEST

CONVENTIONAL TEST Yes

TYPE TOOL DEPTH LENGTH ID OD

4 1/2 XH DP 9267 3.8 4.5

4 1/2 XH DC 561 2.3 6.5

Circ. Sub. 9829 1

1 DC 31

Shut In 6

Samp. 4

Hyd. 5

Jars 6

Rec. 5

Safety 2

Packer 6

Packer 9900 6

Perf.

1 DC

Perf.

Rec. 42

HOLE AND MUD DATA

TOTAL DEPTH 9942 MAIN HOLE 7 7/8

RAT HOLE 7 7/8 CASING SIZE 8 5/8

DEPTH OF CSG 4800 TYPE MUD Fresh/C

MUD WT. 8.7 VISCOSITY 34

WATER LOSS 15 CAKE 1/32

CHLORIDE 6,000 PPM

RESISTIVITY 0.67 @ 84 °F