



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

ELEVATION 9900

DRILL STEM TEST DATA

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

CUSHION None

TIME TOOL OPENED 12:30 P.M.

15 MIN.

RECORDER DATA

AK-I

CAPACITY 8200

TOOL OPEN BEFORE IS.I.P.

1 HRS

0 MIN.

TOP

4334

DEPTH

9886

INITIAL SHUT-IN

1 HRS

30 MIN.

BOTTOM

13,257

DEPTH

9939

FINAL SHUT-IN

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.

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 70
MUD WT.	8.7	VISCOSITY	34
WATER LOSS	15	CAKE	1/32
CHLORIDE	6,000 PPM		
RESISTIVITY	0.67		@ 84

TOOL DATA

NO PACKERS	2	STRADDLE TEST
SIZE PACKERS	6 3/4	CSG TEST
CONVENTIONAL TEST		Yes

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. J. 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

Perf.	1 DC	
Perf.		
Rec.		42

Packer	9900	6
Packer		
Safety		2
Rec.		5
Jars		6
Hyd.		5
Samp.		4
Shut In		6
1 DC		31
Circ. Sub.	9829	1
4 1/2 XH DC		561 2.3 6.5
4 1/2 XH DP		9267 3.8 4.5
TYPE TOOL		DEPTH
LENGTH		I.D.
O.D.		