

PERMIAN TESTERS, INC.

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ODESSA, TEXAS

79767

TICKET NO. 6175
DATE April 30, 1986
ORDER NO.
DISTRICT

COMPANY Mitchell Energy Corporation

LEASE Baer WELL NO. 1 TEST NO. 4 FORMATION New Mexico INTERVAL TESTED 11496 TO 11595 ELEVATION 4003 GL
FIELD Wildcat COUNTY Lea STATE New Mexico INTERVAL TESTED 11496 TO 11595 ELEVATION 4003 GL

DRILL-STEM TEST DATA

BOTTOM HOLE CHOKE		SURFACE		1" Adj.		CUSHION		1046'	
TIME TOOL OPENED		1:46 P.M.							
TOOL OPEN BEFORE L&P.		15 MIN.		TYPE		CAPACITY		8000	
INITIAL SHUT-IN		1 MRS.		TOP		13479		DEPTH	
TOOL OPEN		1 MRS.		BOTTOM		13478		DEPTH	
FINAL SHUT-IN		2 MRS.		CLOCK TOP		18 Hr.		BOTTOM	
SURFACE ACTION		Pre-Flow: Opened tool with a weak blow increasing quickly to 7 PSI at 7 minutes-opened 1/2" choke, continued increasing to 100 PSI at 14 minutes with gas to surface. (147.28 MCF/Day); 150 PSI (220.92 MCF/Day) at 15 minutes. Final flow: Opened tool on 1/2" choke with 80 PSI, blow increased to 140 PSI (206.2 MCF/Day) at 15 minutes; 220 PSI (324 MCF/Day) at 40 minutes with fluid to surface. Choke plugged when fluid reached surface. Choke closed approximately 10 minutes while changing valve on flowline to tank. Choke opened with 600 PSI and increased to 750 PSI at 60 minutes.							
Recovery		Flowed Approximately: 11.7 BBLs. Heavy Oil and Gas Cut Water Cushion 14.8 BBLs. Heavy Oil and Gas Cut Drlg. Mud							
		40 BBLs. Heavy Gas Cut Oil							
		Reversed Out: 19.67 BBLs. Heavy Gas Cut Oil							
		7.4 BBLs. Heavy Oil and Gas Cut Drlg. Mud							
		Chlorides: Top-15,000 PPM Rw 0.46 at 60° Middle-Sp. Gr. 45° at 60° Bottom-15,000 PPM Rw 0.46 at 60°							
SUCCESSFUL TEST		Yes		B.H. TEMPERATURE		168 °F			
TESTER		Wayne Anderson		APPROVED BY		Tom Carrens			

RECORDED NO.		RECORDED NO.	
13479		5328	
INITIAL HYDROSTATIC PRESSURE		1598	
INITIAL PRE-FLOW PRESSURE		1715	
FINAL PRE-FLOW PRESSURE		4339	
INITIAL SHUT-IN PRESSURE		1715	
INITIAL FLOW PRESSURE		3012	
FINAL FLOW PRESSURE		4204	
INITIAL SHUT-IN PRESSURE		5020	
FINAL HYDROSTATIC PRESSURE			

HOLE AND MUD DATA	
TOTAL DEPTH	11595
MAIN HOLE	7 7/8
RAT HOLE	CASING SIZE 8 5/8
DEPTH OF CPG	3806
TYPE MUD	FW Gel
MUD WT.	8.8+
VISCOSITY	43
WATER LOSS	10.4
CAKE	1/-
CHLORIDE	15,000 PPM
RESISTIVITY	0.46
TOOL DATA	

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

TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.
4½ XH DP		10788	3.8	4.5
5"H90 DC		548	2.3	6.25
Circ. Sub	11338	2		
5" H90 DC		120		
Shut-in		5		
Sampler		3		
Hyd. Tool		5		
Jars		6		
Rec.		5		
Safety Jt.		2		
Packer		6		
Packer	11496	6		
Perf				