



PERMIAN TESTERS, INC.

P.O. BOX 6441 • PHONE 366-0811
ODESSA, TEXAS 79767

TICKET NO. 6499
DATE June 4, 1987
ORDER NO.
DISTRICT

COMPANY	Amerind Oil Company	WELL NO.	1	TEST NO.	1	FORMATION	Drinkard	ELEVATION	3775'	GL
LEASE	Hager	STATE	New Mexico	INTERVAL TESTED	8045	TO	8216	ANCHOR LENGTH	171'	
FIELD	West Knowles Drinkard County	Lea								

DRILL STEM TEST DATA

BOTTOM HOLE CHOKE	5/8"	SURFACE	1" Adj.	CUSHION	None	
TIME TOOL OPENED	1:45 P.M.					
TOOL OPEN BEFORE ISIP	10	MIN.	TYPE	AK-1	CAPACITY	8375
INITIAL SHUT-IN	1	HRS.	TOP	13390	DEPTH	8028
TOOL OPEN	1	HRS.	BOTTOM	13391	DEPTH	8213
FINAL SHUT-IN	3	HRS.	CLOCK TOP	18 Hr.	BOTTOM	24 Hr.
SURFACE ACTION	Preflow: Open with a very weak blow, slowly increasing to 2" in water column at end.					
	Final Flow: Open with a very weak blow increasing steadily to 7 3/4" in water column at end.					

RECOVERY	390' Total Fluid	Sp. Gr. 31 @ 60° API.
	10' Free Oil on Top	
	380' Drlg Fluid, Slightly cut with formation water (Also slightly gas cut)	
Top Oil	Sp. Gr. 31 @ 60° API.	
Mid Chl.	2,000 PPM. Rw. 3.2 @ 60°	
Bot Chl.	5,000 PPM. Rw. 1.7 @ 60°	
REMARKS		
SUCCESSFUL TEST	Yes	B.H. TEMPERATURE 134 °F @ 8027'
TESTER	Glen Hogue, Jr.	APPROVED BY James E. Yeley

	RECORDER NO.	RECORDER NO.	RECORDER NO.
A	(INITIAL HYDROSTATIC PRESSURE)	13390	PSI
B	(INITIAL PRE-FLOW PRESSURE)	3451	PSI
C	(INITIAL PRE-FLOW PRESSURE)	45	PSI
D	(INITIAL SHUT-IN PRESSURE)	45	PSI
E	(INITIAL FLOW PRESSURE)	2402	PSI
F	(INITIAL FLOW PRESSURE)	86	PSI
G	(INITIAL FLOW PRESSURE)	171	PSI
H	(INITIAL SHUT-IN PRESSURE)	2342	PSI
	(INITIAL HYDROSTATIC PRESSURE)	3451	PSI

HOLE AND MUD DATA

TOTAL DEPTH	8216	MAIN HOLE	7 7/8
RAT HOLE	4207	CASING SIZE	8 5/8
DEPTH OF CSG.	8.4	TYPE MUD	F.W.
MUD WT.	N/C	VISCOSITY	28
WATER LOSS	1,000 PPM	CAKE	N/C
CHLORIDE	6.2		
RESISTIVITY			60 °F

TOOL DATA

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

TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.
4 1/2 XH DP		7390	3.8	4.5
4 1/2 XH DC		523	2.3	6.25
Cir Sub	7914	1		
3 DC		91		
Shut-in		6		
Sampler		3		
Hyd. Tool		5		
Jars		6		
Recorder		5		
Safety Jt.		2		
Packer	8039	6		
Packer	8045	6		
Perf				
5 DC				
Perf				
Recorder		171		



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PRESSURE BREAKDOWN

Date June 4, 1987

Company Amerind Oil Company County Lea

Well Name & No. Hager #1 State New Mexico

DST No. 1 Tool Open 10 Min. For Pre Flow Tool Closed 60 Min. For ISIP

Interval 8045 To 8216 Tool Open 60 Min. For Final Flow Tool Closed 180 Min. For FSIP

INITIAL SHUT-IN Rec. 13390				18 Hr.	FINAL SHUT-IN		
Time Deflection	Min.	Deflection	Pressure	Time Deflection	Min.	Deflection	Pressure
	0		45		0		171
	1		113		1		243
	2		257		2		346
	3		852		3		477
	4		1088		4		648
	5		1246		5		753
	6		1383		6		881
	7		1477		7		953
	8		1563		8		1023
	9		1638		9		1085
	10		1696		10		1133
	12		1823		12		1223
	14		1910		14		1296
	16		1988		16		1363
	18		2058		18		1423
	20		2100		20		1473
	22		2150		22		1512
	24		2185		24		1554
	26		2217		26		1596
	28		2242		28		1635
	30		2265		30		1665
	35		2308		35		1742
	40		2346		40		1810
	45		2363		45		1873
	50		2381		50		1927
	55		2396		55		1988
	60		2402		60		2031
					70		2106
					80		2165
					90		2208
					100		2242
					110		2269
					120		2290
					150		2323
					180		2342

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BOTTOM HOLE SAMPLER REPORT

Date June 4, 1987 Ticket No. 6499
Company Amerind Oil Company
Well Name & No. Hager #1 DST No. 1
County Lea State New Mexico
Sampler No. _____ Test Interval 8045 - 8216
Pressure In Sampler 0 PSI BHT 134 °F

Total Volume of Sampler: 1500 cc.
Oil: 0 cc.
Water: 0 cc.
Mud: 1500 (Cut Slightly with Formation Water) cc.
Gas: 0 cu. ft.
Other: _____

Resistivity

Drilling Fluid In Plts 6.2 @ 60 °F Chloride Content 1000 ppm.
Fluid from Sampler 1.7 @ 60 °F Chloride Content 5000 ppm.
Gas/Oil Ratio _____ Gravity _____ -API @ _____ °F
Where was sample drained _____ Rig _____

Remarks: _____

← PRESSURE →

← TIME →

