



PERMIAN TESTERS, INC.

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

COMPANY Bell, Roy, Middlebrook, Ltd.

LEASE Middlebrook "3" WELL NO. 1

COUNTY CHAVES STATE New Mexico

INTERVAL TESTED 7400 TO 7503

FORMATION Lower ABO

ANCHOR LENGTH 103'

TEST NO. 1

RECORDER DATA

CUSHION None

DRILL STEM TEST DATA

RECORDER DATA

CAPACITY 8375

DEPTH 7383

DEPTH 7500

DEPTH 24 Hr.

Pre-Flow: Opened with a weak to fair blow in 14 minutes, increased

to 8 1/2 oz. Max. PSI at end.

Final-Flow: Opened with a weak to fair blow in 1 minute. Opened 3/4"

choke at 9 minutes with 5 1/2 lb. Gas to surface at 19 minutes with 3 1/2"

lb. on 3/4" choke (17.1 MCF/Day). Build to 6 lb. at 30 minutes (22.9 MCF/

Day) and 13 lb. at 45 minutes (35.9 MCF/Day) and 19 1/2 lb. at 60 minutes

(46.3 MCF/Day). All readings taken on 3/4" choke.

Chlorides: Top-75,000 PPM R.W., 11 at 60°

Mid-90,000 PPM R.W., .095 at 60°

Bot-89,000 PPM R.W., .096 at 60°

RECOVERY 675' Total Recovery (3.3 BBLs.)

All slightly gas cut drilling mud.

Bottom 120' Mud. Heavily oil cut

REMARKS

SUCCESSFUL TEST Yes

TESTER Glen Hogue, Jr.

B.H. TEMPERATURE 136 °F

APPROVED BY Kenneth E. Moore

RECORD NO. 13390

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PSI 3873

PSI 95

PSI 134

PSI 2327

PSI 212

PSI 265

PSI 2350

PSI 3831

TICKET NO. 6446

DATE January 19, 1987

ORDER NO.

DISTRICT

HOLE AND MUD DATA

TOTAL DEPTH	7503	MAIN HOLE	7 7/8
RAT HOLE		CASING SIZE	8 5/8
DEPTH OF CSG.	2889	TYPE MUD	ABO
MUD WT.	9.6	VISCOSITY	40
WATER LOSS	nc	CAKE	nc
CHLORIDE	70,000 PPM		
RESISTIVITY	.12		

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		6304	3.8	4.5
4 H90 DC		938	2.3	6.12
Circ. Sub	7243	1		
4 DC		117		
X-0 Sub		1		
Shut in		6		
Sampler		3		
Hyd. Tool		5		
Jars		6		
Rec.		5		
Safety Jt.		2		
Packer		6		
Packer	7400	6		
2" Perf				
X-0 Sub				
3 DC				
X-0 Sub				
5' Perf				
Sub				
Rec.		103		

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PERMIAN TESTERS, INC.

P. O. BOX 6441

ODESSA, TEXAS 79762

BOTTOM HOLE SAMPLER REPORTDate January 19, 1987 Ticket No. 6446Company Bell, Foy, Middlebrook, Ltd.Well Name & No. Middlebrook "3" #1 DST No. 1County Chaves State New MexicoSampler No. _____ Test Interval 7400 to 7503Pressure in Sampler 250 PSI BHT 136 °FTotal Volume of Sampler: 1500 cc.

Oil: _____ cc.

Water: _____ cc.

Mud: 1200 cc.Gas: .75 cu. ft.

Other: _____

ResistivityDrilling Fluid in Pits .12 @ 60 °F Chloride Content 70,000 ppm.Fluid from Sampler .096 @ 60 °F Chloride Content 89,000 ppm.

Gas/Oil Ratio _____ Gravity _____ -API @ _____ °F

Where was sample drained _____ Rig _____

Remarks: _____



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79762

TEST TICKET NO. 6446

PRESSURE BREAKDOWN

Date January 19, 1987

Company Bell, Foy, Middlebrook Ltd County Chaves

Well Name & No. Middlebrook "3" #1 State New Mexico

DST No. 1 Tool Open 15 Min. For Pre Flow Tool Closed 60 Min. For ISIP

Interval 7400 To 7503 Tool Open 60 Min. For Final Flow Tool Closed 180 Min. For FSIP

INITIAL SHUT-IN

Recorder

13390 Top 18 Hr. FINAL SHUT-IN

Time Deflection	Min.	Deflection	Pressure	Time Deflection	Min.	Deflection	Pressure
	0		134		0		265
	1		683		1		1079
	2		1025		2		1400
	3		1258		3		1563
	4		1413		4		1738
	5		1600		5		1860
	6		1688		6		1938
	7		1763		7		2017
	8		1833		8		2077
	9		1883		9		2113
	10		1917		10		2148
	12		2008		12		2206
	14		2067		14		2244
	16		2113		16		2267
	18		2150		18		2281
	20		2179		20		2292
	22		2206		22		2300
	24		2227		24		2308
	26		2244		26		2315
	28		2256		28		2321
	30		2271		30		2325
	35		2290		35		2331
	40		2304		40		2333
	45		2313		45		2335
	50		2319		50		2338
	55		2323		55		2340
	60		2327		60		2342
					70		2346
					80		2347
					90		2348
					100		2349
					110		2350
					120		2350
					150		2350
					180		2350

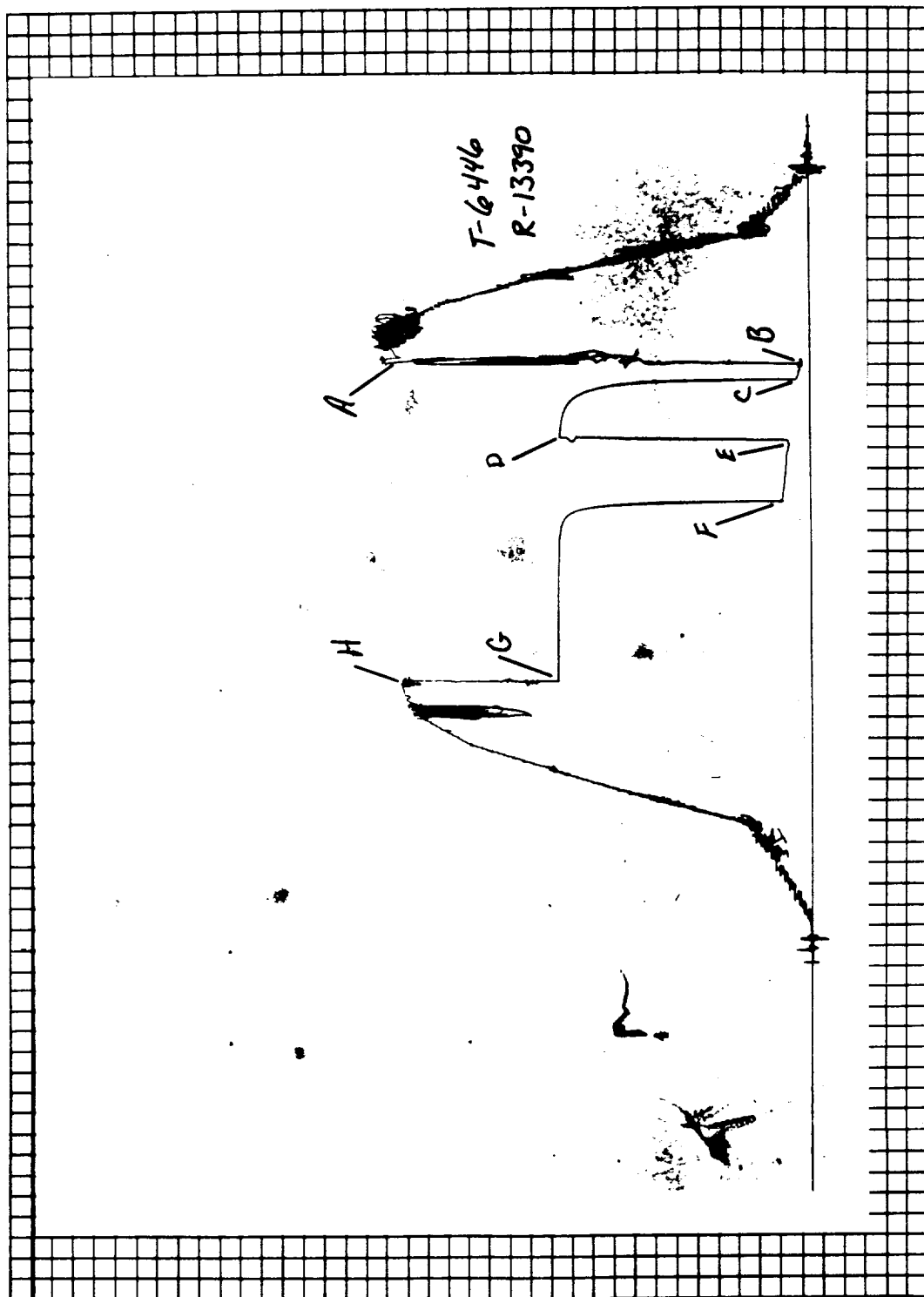
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← TIME →

← PRESSURE →



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