

ODESSA, TEXAS
79762

COMPANY Hilliard Oil & Gas, Inc.

LEASE McCellan Fed. well NO 1

FIELD Wildcat COUNTY Chaves

TEST NO 2

STATE New Mexico

FORMATION

INTERVAL TESTED 9178 TO 9199

ELEVATION 21'

ANCHOR LENGTH 21'

GL

DRILL STEM TEST DATA

5/8" SURFACE 1" Adj. CUSHION None

TIME TOOL OPENED 11:43 P.M.

TOOL OPEN BEFORE ISIP 45 MIN TYPE AK-I CAPACITY 8100

11A. SHUT-IN 3 HRS 0 MIN TOP 11,092 DEPTH 9190

TOOL OPEN 3 HRS 0 MIN BOTTOM 11,093 DEPTH 9196

FINAL SHUT-IN 6 HRS 0 MIN CLOCK TOP 24 Hr. BOTTOM 24 Hr.

SURFACE ACTION Pre-Flow: Opened tool with a good blow building to 7 lbs. at the end.

Final-Flow: Opened tool with a fair blow building to 2 lbs. at 20 mins. Opened 1/2" choke at 25 mins. with 2 lbs., 12.7 MCF/Day.

Blow steadily decreased to 7" in water at 60 mins., 4.45 MCF/Day and remained stable for the remainder of the flow. Gas to surface in 1 hr. 10 mins. into initial shut in.

RECOVERY Reversed Out Approx. 3500' Fluid

400' Very Heavily Gas & Slightly Oil Cut Drlg. Mud

3100' Slightly Gas Cut Formation Water

Chlorides: Top 30,000 PPM Rw .23 @ 700

Middle 47,000 PPM Rw .12 @ 760

Bottom 47,000 PPM Rw .12 @ 760

REMARKS

SUCCESSFUL TEST Yes

TESTER Glen Hogue, Jr.

B.H. TEMPERATURE 128 °F

APPROVED BY Eugene Shores

RECORDER NO

RECORDER NO

A (INITIAL HYDROSTATIC PRESSURE) 4596 PSI PSI

B (INITIAL PRE FLOW PRESSURE) 626 PSI PSI

C (FINAL PRE FLOW PRESSURE) 45 MIN 733 PSI PSI

D (INITIAL SHUT IN PRESSURE) 180 MIN 3395 PSI PSI

E (INITIAL FLOW PRESSURE) 860 PSI PSI

F (FINAL FLOW PRESSURE) 180 MIN 1588 PSI PSI

G (FINAL SHUT IN PRESSURE) 360 MIN 3395 PSI PSI

H (FINAL HYDROSTATIC PRESSURE) 4560 PSI PSI

TICKET NO 4905
DATE December 28, 1982
ORDER NO
DISTRICT Odessa

HOLE AND MUD DATA

TOTAL DEPTH 9199 MAIN HOLE 7 7/8
RAT HOLE 3300 CASING SIZE 8 5/8
DEPTH OF CSG 9.1 TYPE MUD 38
MUD WT. 10 VISCOSITY 1/32
WATER LOSS 35,000 PPM
CHLORIDE .17 @ 62 °F
RESISTIVITY

TOOL DATA

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

TYPE TOOL	DEPTH	LENGTH	ID	OD
4 1/2 XH DP		8537	3.8	4.5
4 1/2 XH DC		512	2.3	6.5
Circ. Sub	9050			
3 DC		93		
Sub		1		
Shut In		6		
Samp.		3		
Hyd.		5		
Jars		6		
Safety		2		
Packer		6		
Packer	9178	6		
Perf.				
Rec.				
Rec.		21		

DRIG CONT Resource 23

INC.

ODESSA, TEXAS

79762

TEST TICKET NO. 4905

PRESSURE BREAKDOWN

Date December 28, 1982

Company Hilliard Oil & Gas, Inc. County Chaves

Well Name & No. McClellan Federal # 1 State New Mexico

DST No. 2 Tool Open 45 Min. For Pre Flow Tool Closed 180 Min. For ISIP

Interval 9178 To 9199 Tool Open 180 Min. For Final Flow Tool Closed 360 Min. For FSIP

INITIAL SHUT-IN

FINAL SHUT-IN

Time Deflection	Min.	Deflection	Pressure	Time Deflection	Min.	Deflection	Pressure
	0		733		0		1688
	2		1530		2		2177
	4		1858		4		2319
	6		2069		6		2375
	8		2173		8		2427
	10		2310		10		2476
	12		2371		12		2516
	18		2548		18		2613
	36		2855		36		2798
	54		3012		54		2879
	72		3121		72		2996
	90		3198		90		3060
	108		3258		108		3109
	126		3306		126		3153
	144		3343		144		3190
	162		3371		162		3222
	180		3395		180		3250
					216		3298
					252		3335
					288		3359
					324		3379
					360		3395

ODESSA, TEXAS 79701

BOTTOM HOLE SAMPLER REPORT

Date December 28, 1982 Ticket No. 4905
Company Hilliard Oil & Gas, Inc.
Well Name & No. McClellan Federal # 1 DST No. 2
County Chaves State New Mexico
Sampler No. _____ Test Interval 9178 To 9199
Pressure in Sampler 675 PSI BHT 128 °F

Total Volume of Sampler: 1500 cc.
Oil: 60 cc.
Water: 1440 cc.
Mud: _____ cc.
Gas: .4 cu. ft.
Other: _____

Resistivity

Drilling Fluid in Pits .17 @ 62 °F Chloride Content 35,000 ppm.
Fluid from Sampler .12 @ 80 °F Chloride Content 49,000 ppm.
Gas/Oil Ratio _____ Gravity _____ -API @ _____ °F
Where was sample drained Rig

Remarks: _____

