

OTTOM HOLE CHOKE	5/8"	SURFACE	1"	di.	CUSHION	None	ELEVATION	3639'	G.L.
TIME TOOL OPENED	9:08			RECORDER DATA					
TOOL OPEN BEFORE I.S.I.P.	30			MIN.	TYPE	AK-1	CAPACITY	8375#	
INITIAL SHUT-IN	1 HRS.	0	MIN.	TOP	13390	DEPTH	7172'		
TOOL OPEN	1 HRS.	0	MIN.	BOTTOM	13391	DEPTH	7262'		
FINAL SHUT-IN	2 HRS.	0	MIN.	CLOCK: TOP	18 Hr.	BOTTOM	24 Hr.		
SURFACE ACTION Preflow: Open with a weak to fair blow in 2½ min. Built to 10½ oz. max psi at 10 min. Blow started decreasing at 20 min. and decreased for remainder to 9½ oz. at end.									
Final Flow: Open with a weak to fair blow in 2 min. Built to 11½ oz. max psi at 5 min. Blow steadily decreased to 8 oz. at 45 min. and stabilized at 8 oz. for remainder.									
RECOVERY 260' Fluid									
All Drlg. mud, very heavy gas cut, with a slight trace of oil.									
Top Chl. 57,000 PPM Rw. .089 @ 60°									
Mid Chl. 37,000 PPM Rw. .14 @ 60°									
Bot Chl. 44,000 PPM Rw. .12 @ 60°									
SUCCESSFUL TEST yes									

COMPANY Mitchell Energy Corporation
LEASE NAME & NO. Sapphire Federal #1
INTERVAL TESTED 7189 - 7265 76'

COUNTY Lea
STATE New Mexico
FORMATION Brushy Canyon

DATE January 16, 1989
TICKET # 6785
TEST # 1

		RECORDER NO.
		13390
1	(INITIAL HYDROSTATIC PRESSURE)	3475 P.S.I.
2	(INITIAL PRE-FLOW PRESSURE)	184 P.S.I.
3	(FINAL PRE-FLOW PRESSURE) 30 MIN.	126 P.S.I.
4	(INITIAL SHUT-IN PRESSURE) 60 MIN.	238 P.S.I.
5	(INITIAL FLOW PRESSURE)	225 P.S.I.
6	(FINAL FLOW PRESSURE) 60 MIN.	162 P.S.I.
7	(FINAL SHUT-IN PRESSURE) 125 MIN.	414 P.S.I.
8	(FINAL HYDROSTATIC PRESSURE)	3471 P.S.I.

HOLE AND MUD DATA

TOTAL DEPTH	7265	MAIN HOLE	7 7/8
DEPTH OF CSG.	5230	CASING SIZE	8 5/8
MUD WT.	9.1+	VISCOSITY	39
WATER LOSS	14	CAKE	1/32
TYPE MUD	Zeogel		
CHLORIDE	67,000 PPM		
RESISTIVITY	.079	°	60 °F

TOOL DATA

NO. PACKERS		2		
SIZE PACKERS		6 3/4		
CONVENTIONAL TEST Yes				
TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.
4½ XH DP		6288	3.8	4.5
4½ XH DC		744	2.3	6.25
Cir Sub	7033	1		
4 DC		116		
Shut-in		6		
Sampler		3		
Hyd Tool		5		
Jars		6		
Recorder		5		
Safety Jt.		2		
Packer	7183	6		
Packer	7189	6		
Perf.				
2 DC				
Perf				
Recorder		76'		
ORLG. CONT.		TMBR-Sharp		RIG # 65

SAMPLER REPORT

PRESSURE IN SAMPLER	70	PSI
BHT 107 °F @	7171	F.T.
OIL:	40	CC.
WATER: Mud Filtrate	600	CC.
MUD: oil & gas cut	60	CC.
GAS:	.20	CU.FT.
RESISTIVITY .072 @	60	°F
CHLORIDE	78,000	PPM.
GRAVITY	•API •	°F
CAPACITY	1500	cc

MARKS: _____

STER Glen Hogue, Jr.

PROVED BY: Ted Gawloski

RECEIVED

AUG 16 1989

**OCD
HOBBS OFFICE**