

BOTTOM HOLE CHOKE		5/8" SURFACE		Adj.		CUSHION		none		ELE		ON		3639'		G.L.					
ME TOOL OPENED				8:45 A.M.				RECORDER DATA													
JOL OPEN BEFORE I.S.I.P.				30		MIN.		TYPE				AK-1		CAPACITY				8375#			
INITIAL SHUT-IN				1		HRS.		0		MIN.		TOP				13390		DEPTH		11,305	
JOL OPEN				1		HRS.		0		MIN.		BOTTOM				13391		DEPTH		11,344	
NAL SHUT-IN				3		HRS.		0		MIN.		CLOCK: TOP				24 Hr.		BOTTOM		24 Hr.	
SURFACE ACTION				Preflow: Open with a weak to fair blow in 13 min. Built steadily to 9 oz. @ 15 min. and 15 oz. @ 30 min. Final Flow: Open with a fair blow. Built to 32 oz. @ 1 min. Increased to 37 oz. @ 15 min. and 39 oz. @ 30 min. and 39½ oz. @ 50 min. and remain same for remainder.																	
RECOVERY				Reversed out, approx. 200' fluid (1.34 bbls) All drlg. mud & mud filtrate, slightly oil & slightly gas cut. 5413' gas in drill string																	
				Top Chl. 112,000 PPM Rm. .055 @ 60° Mid Chl. 110,000 PPM Rm. .056 @ 60° Bot Chl. 111,000 PPM Rm. .056 @ 60°																	
SUCCESSFUL TEST				Yes																	

COMPANY Mitchell Energy Corp.
LEASE NAME & NO. Sapphire Federal #1
INTERVAL TESTED 11,322 - 11,347 25'

COUNTY	Lea
STATE	New Mexico
FORMATION	Wolfcamp

DATE January 30, 1989
TICKET # 6791
TEST # 4

			RECORDER NO.
			13390
(INITIAL HYDROSTATIC PRESSURE)			5859 P.S.I.
(INITIAL PRE-FLOW PRESSURE)			103 P.S.I.
(FINAL PRE-FLOW PRESSURE)	30	MIN.	47 P.S.I.
(INITIAL SHUT-IN PRESSURE)	60	MIN.	3975 P.S.I.
(INITIAL FLOW PRESSURE)			90 P.S.I.
(FINAL FLOW PRESSURE)	60	MIN.	49 P.S.I.
(FINAL SHUT-IN PRESSURE)	180	MIN.	3956 P.S.I.
(FINAL HYDROSTATIC PRESSURE)			5859 P.S.I.

HOLE AND MUD DATA

TOTAL DEPTH	11,347	MAIN HOLE	7 7/8
DEPTH OF CSG.	5230	CASING SIZE	8 5/8
MUD WT.	9.9+	VISCOSITY	31
WATER LOSS	12.0	CAKE	1/32
TYPE MUD	Aquagel		
CHLORIDE	148,000 PPM		
RESISTIVITY	.050	@	60 °F

SAMPLER REPORT

PRESSURE IN SAMPLER	0	PSI
BHT 142 °F @	11,304	F.T.
OIL:	660	CC.
Water Mud filtrate	140	CC.
MUD:	200	CC.
GAS:	.02	CU.FT.
RESISTIVITY Rmf .050 •	60	°F
CHLORIDE	139.000	PPM.
GRAVITY 40 •API @	60	°F
CAPACITY	1500	

TOOL DATA

NO. PACKERS 2				
SIZE PACKERS 6 3/4				
CONVENTIONAL TEST yes				
TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.
4 1/2 XH DP		10392	3.8	4.5
4 1/2 XH DC		774	2.3	6.25
Cir Sub	11167	1		
4 DC		115		
Shut-in		6		
Sampler		3		
Hyd Tool		5		
Jars		6		
Recorder		5		
Safety Jt.		2		
Packer	11316	6		
Packer	11322	6		
Perf				
Recorder		25'		
DRLG. CONT.		TMRR/Sharp		RIG # 65

MARKS: _____

TER Glen Hogue, Jr.

APPROVED BY: Ted Gawloski

DRLG. CONT. TMBR/Sharp RIG # 65

RECEIVED

AUG 16 1989

OCB
HARRIS OFFICE