

BOTTOM-HOLE PRESSURE REPORT

DEC-859-C

WELL		FEDERAL 25 #1		COMPANY		SPENCE ENERGY		OPERATOR		MIKE LIVINGSTON		MSO#		DATE		7-19-22/85		PAGE		OF	
LEASE				FIELD				COUNTY/PARISH		LEA		STATE		NEW MEXICO		DATUM		REF. ELEV.		1 2	
PERFORATION INTERVAL (FT)				MAX TEMP		MIN TBG ID		PACKER DEPTH		END OF TBG		GAUGE		CALIBRATION		TECHNIQUE					
		° F		INS		FT		FT				☐ LEAST SQUARES		☐ MODULUS CURVE		☐ OTHER					

PRESS. ELE. NO	23882	PRESS. ELE. RANGE	6400	PSI	INNER HOUSING NO.		CHART TIME RANGE		CALIBRATION DATE		CALIBRATION MODULUS		CALIBRATION 1-1/2"		DEPTH SET	
----------------	-------	-------------------	------	-----	-------------------	--	------------------	--	------------------	--	---------------------	--	--------------------	--	-----------	--

PRESS. ELE. NO	34911	PRESS. ELE. RANGE	6000	PSI	INNER HOUSING NO.		CHART TIME RANGE		CALIBRATION DATE		CALIBRATION MODULUS		CALIBRATION 1-1/2"		DEPTH SET	
----------------	-------	-------------------	------	-----	-------------------	--	------------------	--	------------------	--	---------------------	--	--------------------	--	-----------	--

		UPPER GAUGE				LOWER GAUGE				SURFACE CONDITIONS			
TIME	FLOW OR SHUT-IN DURATION (HOURS)	DEFLECTION (INCHES)	PRESSURE DEFLECTION (INCHES)	NON-LINEAR CORRECTION, CL MODULUS	BOTTOM-HOLE PRESSURE ** P=KY+2+R+CL	TIME DEFLECTION (INCHES)	PRESSURE DEFLECTION (INCHES)	NON-LINEAR CORRECTION, CL MODULUS	BOTTOM-HOLE PRESSURE ** P=KY+2+R+CL	WELLHEAD PRESSURE (PSIG)	WH TEMP (° F)	CHOKE SIZE (1/8 INCH)	REMARKS
7-19-85 am													BEGAN FLOW ON 24/64 CHOKE
9:35	0.00		.579		1863		.619		1867				
10:05	0.00		.414		1330		.442		1334				FLOWLINE FROOZE
10:15	0.00		0		0		0		0				BLEED OFF
10:45	0.00		.610		1963		.652		1967				OPENED BACK UP
11:00	0.00		0		0		0		0				STARTED DOWN HOLE
11:20	0.00		.487		1565		.520		1569				STOPPED FLOW
11:25	0.00		.632		2032		.675		2036				OPEN FLOW
11:30	0.00		.742		2389		.793		2393				ON BOTTOM
11:45	0.00		.662		2130		.708		2136				CLOSED WELL IN
12:00	0.15		.847		2729		.906		2734				
12:15	0.30		.923		2975		.987		2979				
12:30	0.45		.943		3039		1.009		3045				
1:00	1.15		.951		3065		1.017		3069				
1:30	1.45		.953		3071		1.019		3075				
2:00	2.15		.955		3078		1.022		3084				

* NON-LINEAR CORRECTION FACTOR WHEN LEAST SQUARES CALIBRATION USED: MODULUS WHEN MODULUS CURVE CALIBRATION USED.