

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY H.L. BROWN JR WELL NAME FEDERAL 8 #1
DATE OF TEST 3-7-80 LOCATION BURTON FLATS PAGE 1 OF 1

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPC370526- 0-8,100 lb Range
TIME WELL SHUT IN 1730 - 3-6-80
TIME CLOCK STARTED 1118
DEAD WEIGHT ELEMENT ON SURFACE 3,518 LBS.
TIME ELEMENT REACHED BOTTOM 1242
DEAD WEIGHT ELEMENT ON BOTTOM 3,518 LBS.
ELEMENT SET AT 11,475 FEET

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P & PC psig	CORRECTED PRESSURE psig	PRESSURE AT MID-POINT OF PERFORATIONS psig
3-7-80	0	1242		4,472	Reached Bottom	D.W. 3,518	
	10 Min	1252		4,472			
	17 Min	1259		4,472	Opened Well to 8/64" Choke		
	20 Min	1302		4,313			
	30 Min	1312		4,064			
	32 Min	1314		4,039	D.W. 3,113 Surface		
	40 Min	1322		3,929			
	42 Min	1324		3,903	Start Surface Recorder		
	47 Min	1329		3,852	D.W. 2,921 Surface		
	50 Min	1332		3,815			
	1	1342		3,733			
	1-7 Min	1350		3,664	D.W. 2,750 Surface		
	1-17 Min	1400		3,594	D.W. 3,663 Surface		
	1-27 Min	1410		3,529			
	1-32 Min	1415		3,492	D.W. 2,580 Surface		
	1-37 Min	1420		3,468			
	1-47 Min	1430		3,423	D.W. 2,493 Surface		
Data Pt. #1	1-50 Min	1439		3,382	Change Choke to 12/64" ^{D.W. 2,447}		
	2-2 Min	1445		3,472	D.W. 2,893 Surface		
	2-17 Min	1500		2,905	D.W. 1,948 Surface		
	2-32 Min	1515		2,672	D.W. 1,713 Surface		
	2-47 Min	1530		2,550	D.W. 1,495 Surface		
Data Pt. #2	2-50 Min	1539		2,493	Change Choke to 16/64" ^{D.W. 1,400}		
	3-02 Min	1545		2,366	D.W. 1,504 Surface		
	3-05 Min	1548		2,419	Well Started Mking Water		
	3-17 Min	1600		2,179	D.W. 1,103 Surface		
	3-32 Min	1615		1,954	D.W. 913 Surface		
	3-47 Min	1630		1,816	D.W. 913 Surface		
Data Pt. #3	3-50 Min	1639		1,746	Change Choke to 20/64" ^{D.W. 813}		
	4-0 Min	1643		1,775			
	4-02 Min	1645		1,750	D.W. 850 Surface		
	4-17 Min	1700		1,524	D.W. 663 Surface		
	4-32 Min	1715		1,391	D.W. 563 Surface		
	4-47 Min	1730		1,330	D.W. 513 Surface		
Data Pt. #4	5-02 Min	1745		1,289	D.W. 463 Surface CLOSED CK		
	5-12 Min	1755		1,534	Element off Bottom		