

D. S. T. REPORT

Well Name	Phillips	Test No.	3		
Well Number	7-11-1X	Zone Tested	III		
Company	Phillips Petroleum Company	Interval	9770 - 9800		
Comp. Rep.	J. Fetters	Tester	H. Price	Date	June 6, 1968





DRILL-STEM TEST DATA

Well Name	Phillips	Test No.	3
Well Number	7-11-1X	Zone Tested	III
Company	Phillips Petroleum Company	Interval	9770 - 9800
Comp. Rep.	J. Feters	Tester	H. Price
		Date	June 6, 1968

Type of Test Casing Hook Wall RFS Tool No. _____

Preflow 25 mins. ISI 135 mins. Flow 685 mins. FSI _____ mins.

Specify Inside or Outside	Ins.	REC. No.	2758	Outs.	REC. No.	2759		
	10600	RANGE	72	HR. CLOCK	10650	RANGE	72	HR. CLOCK
DEPTH		9779			9784			
Initial Hydro Mud Press		6395			6401			
Initial Shut-In Press		5633			5636			
Initial Flow Press		1227			1232			
Final Flow Press		916			1160			
Final Shut-In Press		5245						
Final Hydro Mud Press								

Mud Drop Nil Fluid Loss 13.0 Mud Weight 12.6#
 Viscosity 43 Temperature °F 247 Net Pay Tested 30'
 Top Packer Depth - Bottom Packer Depth 9744 Total Depth _____
 Drill Pipe Size 3 1/2" E.U.E. Wt. 9.3# Drill Collar I.D. 2 1/2" Ft. Run 279.52
 Surface Choke Size Adj. 1 1/2" ID Bottom Choke Size 2" ID Bumper sub Main Hole Size 9 5/8" X 47# casing
 Anchor Size 3 1/2" E.U.E. Rat Hole Size - Feet of Rat Hole _____
 Cushion Amount 9770 Type Diesel Oil Rubber Size 8 3/8"
7.2# per gal.

Fluid Recovery Total Feet No recovery - fluid and gas pumped back into formation
 Recovered _____ Feet of _____
 Recovered _____ Feet of _____
 Recovered _____ Feet of _____
 Recovered _____ Feet of _____
 Recovered _____ Feet of _____

Gas Recovery How Measured _____ Riser size: _____
 _____ mins. Temp. °F Press Rdg. _____ psi Orifice Size _____ = _____ MCF/Day
 _____ mins. Temp. °F Press Rdg. _____ psi Orifice Size _____ = _____ MCF/Day
 _____ mins. Temp. °F Press Rdg. _____ psi Orifice Size _____ = _____ MCF/Day
 _____ mins. Temp. °F Press Rdg. _____ psi Orifice Size _____ = _____ MCF/Day
 _____ mins. Temp. °F Press Rdg. _____ psi Orifice Size _____ = _____ MCF/Day
 _____ mins. Temp. °F Press Rdg. _____ psi Orifice Size _____ = _____ MCF/Day

Bleed Off Time for Drill Pipe _____

REMARKS: See attached sheet - as per Mr. J. Feters.

Did not receive any attached sheet in Calgary, Canada.

Core Lab Gas Cont. No. _____ Chem - Geo. Lab Gas Cont. No. _____



BAKER TEST HEAD

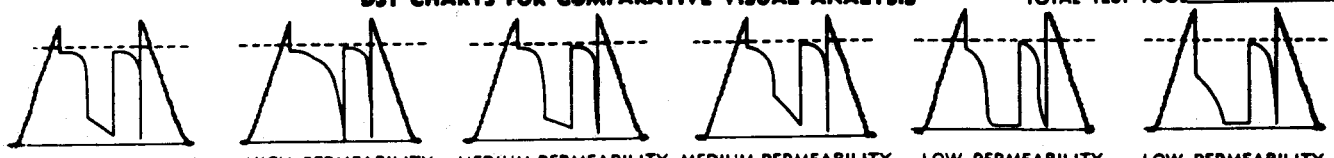
TEST NO. 3

TESTING REPORT



	4S LANDING SUB		
	4S CHAMBER		
	4S TOOL OR P.O. SUB		
	CO SUB		
	XXXXXXXX X-Over Sub		
	XXXXXX 4 Jts. Drill Pipe		
	XXXXXX Pup Jt. (7')	185.80	
	XXXXXXXX X-Over Sub	.80	
	XXXX P.B. Bumper Sub	22.31 (Closed)	
	XXXXXXXX X-Over Sub	.80	DEPTH _____
	RECORDER No. _____		DEPTH _____
	XXXXXXXX 2 Jts. Drill Pipe	88.79	
	XXXXXXXX X-Over Sub	.74	
1. PACKER DEPTH _____	XXXXXX Otis Test Tree	22.48	
	X-Over Sub	.74	
2. PACKER DEPTH _____	XXXXXX 295 Jts. Tubing	9076.60	TOTAL TOOL ABOVE INTERVAL _____
	ANCHOR—SPECIFY _____		
	X-Over Sub	1.76	
	P.B. Bumper Sub (Closed)	21.73	
	BLANK OFF OR BY PASS SUB _____		
	RECORDER No. _____		DEPTH _____
	X-Over Sub	.85	
	9 Drill Collars	279.52	
3. PACKER DEPTH _____	XXXXXX X-Over Sub	1.62	TOTAL INTERVAL _____
4. PACKER DEPTH <u>9744</u>	PACKER	8.35	
	ANCHOR—SPECIFY _____		
	1 Jt. Perf. Tubing	31.57	
	X-Over Sub	1.60	
	RECORDER No. <u>2758 (Inside)</u>	5.00	DEPTH <u>9779</u>
	Rec. Hanger Sub <u>2759 (outs.)</u>	1.00	Depth <u>9784</u>
	1' Perf.	1.00	
	Rec. Case	4.00	
TOTAL DEPTH <u>9790</u>	BULLNOSE	2.45	TOTAL TAIL PIPE _____
			TOTAL TEST TOOL _____

DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS



B HIGH PERMEABILITY STRONG DAMAGE EFFECT HIGH PERMEABILITY NO DAMAGE EFFECT MEDIUM PERMEABILITY STRONG DAMAGE EFFECT MEDIUM PERMEABILITY NO DAMAGE EFFECT LOW PERMEABILITY STRONG DAMAGE EFFECT LOW PERMEABILITY NO DAMAGE EFFECT



5 Min. DST PRESSURE INCREMENTS OF PREFLOW

Test # 3

POINT A TO B (25 Mins.)

Recorder No. 2759

Depth 9784

Points	INITIAL CIP			FINAL CIP				
	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG
1		Point A		6894				
2				6177				
3				5667				
4				5064				
5				4416				
6		Point B		3967				
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								



5 Mins. DST PRESSURE INCREMENTS OF INITIAL SHUT-IN

Test # 3

POINT B TO C (135 Mins.)

Recorder No. 2759

Depth 9784

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG
1	0	Point B		3967	120			5629
2	5			4286	125			5632
3	10			5226	130			5636
4	15			5321	135	Point C		5636
5	20			5380				
6	25			5410				
7	30			5434				
8	35			5462				
9	40			5483				
10	45			5508				
11	50			5526				
12	55			5546				
13	60			5556				
14	65			5570				
15	70			5583				
16	75			5594				
17	80			5600				
18	85			5608				
19	90			5613				
20	95			5616				
21	100			5619				
22	105			5621				
23	110			5624				
24	115			5627				



DST PRESSURE INCREMENTS ACID SQUEEZE

Test # 3

POINT C TO D (33 Mins.)

Recorder No. 2759

Depth 9784

Points	INITIAL CIP			FINAL CIP				
	Time Def.	T+0	$\frac{T+0}{0}$	PSIG	Time Def.	T+0	$\frac{T+0}{0}$	PSIG
1		Point C		5635				
2				8919				
3		Point D		8304				
4								
5								
6								
7								
8								
9								
10								
11								
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14								
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16								
17								
18								
19								
20								
21								
22								
23								
24								



DST PRESSURE INCREMENTS BLEED OFF

Test # 3

POINT D TO E (148 Mins.)

Recorder No. 2759

Depth 9784

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T+Θ	$\frac{T+\Theta}{\Theta}$	PSIG	Time Defl. "	T+Θ	$\frac{T+\Theta}{\Theta}$	PSIG
1		Point D		8304				
2				6704				
3				3755				
4		Point E		1232				
5								
6								
7								
8								
9								
10								
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16								
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19								
20								
21								
22								
23								
24								



DST PRESSURE INCREMENTS FLOW E TO F (685 Mins.)

Test # 3

Recorder No. 2759

Depth 9784

Points	INITIAL CIP			FINAL CIP				
	Time Defl. "	T+Θ	$\frac{T+\Theta}{\Theta}$	PSIG	Time Defl. "	T+Θ	$\frac{T+\Theta}{\Theta}$	PSIG
1	0	Point E		1232	410			1352
2	22	# 1		1030	415			1346
3	46	# 2		931	420			1352
4	71	# 3		1044	425			1640
5	84	# 4		1108	430			1521
6	103	# 5		745	435			1490
7	137	# 6		1241	440			1548
8	167	# 7		803	445			1368
9	217	# 8		1122	450			1371
10	232	# 9		1088	455			1360
11	254	# 10		989	460			1352
12	319	# 11		897	465			1454
13	350	# 12		1357	470			1310
14	355			1529	475			1324
15	360			1396	480			1332
16	365			1404	485			1327
17	370			1429	490			1321
18	375			1396	495			1319
19	380			1385	500			1319
20	385			1376	505			1346
21	390			1368	510			1391
22	395			1365	515			1343
23	400			1363	520			1365
24	405			1357	525			1352



DST PRESSURE INCREMENTS FLOW E TO F (685 Mins.)

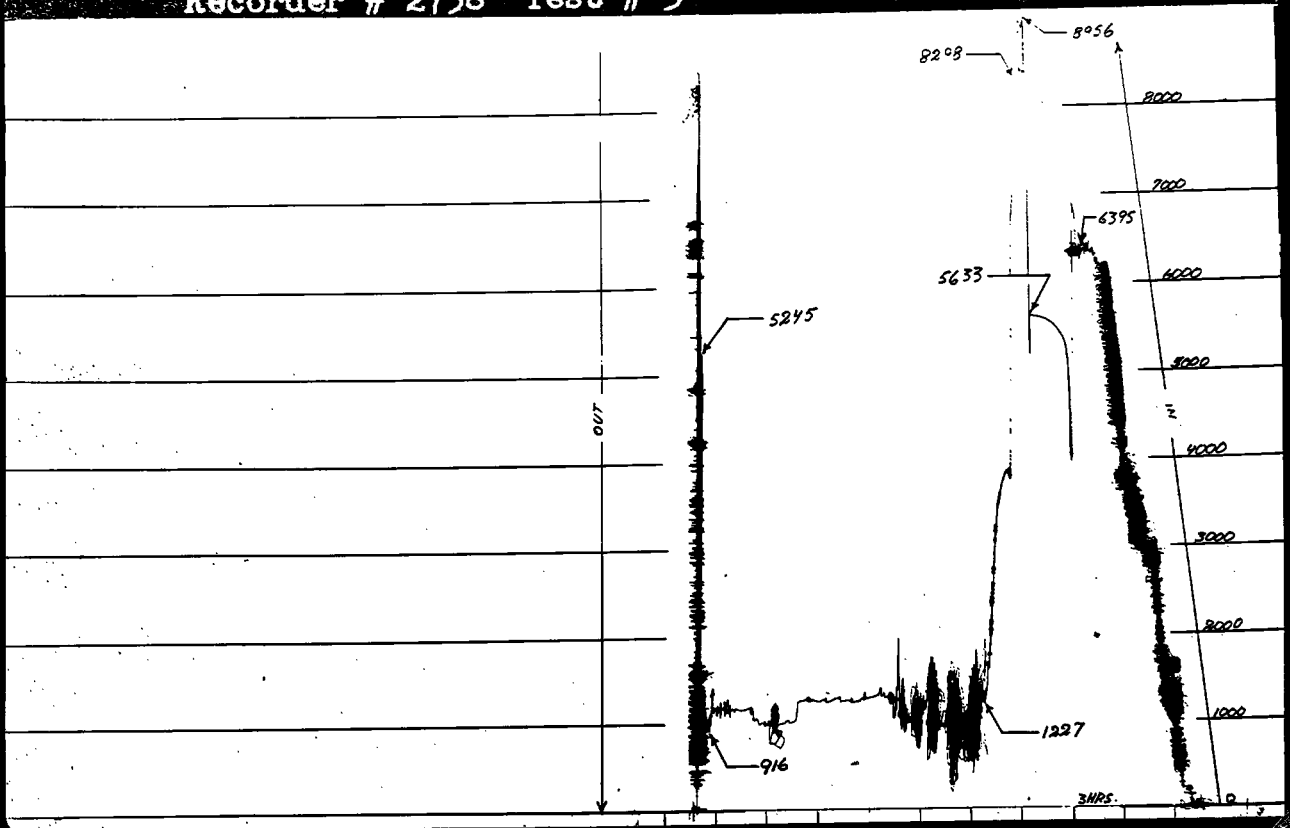
Test # 3

Recorder No. 2759

Depth 9784

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG
1	530			1332	650			648
2	535			1324	655			834
3	540			1321	660			1357
4	545			1307	665			1282
5	550			1299	670			1421
6	555			1293	675			1443
7	560			1307	680			1368
8	565			1346	685	Point F		1160
9	570			1319				
10	575			1307				
11	580			1330				
12	585			1315				
13	590			1324				
14	595			1327				
15	600			1338				
16	605			1330				
17	610			1332				
18	615			1294				
19	620			1299				
20	625			1396				
21	630			1376				
22	635			1338				
23	640			1363				
24	645			881				

Phillips 7-11-1X
Recorder # 2758 Test # 3



Phillips 7-11-1X
Recorder # 2759 Test # 3

