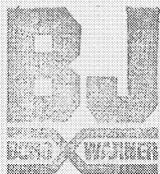


7/11-2
725.5

Well Name Phillips 7-11-2X	Test No. 2	
Well Number 7-11-2X	Zone Tested II	
Company Phillips Petroleum Company	Interval 9932 - 10,190	
Comp. Rep. J.Fetters	Tester D.Williams	Date Ict. 4, 1968.

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ID/OLJE
01015 - 11.12.68
SAKSB:
ARKIV:



B. J. SERVICE N. V.
THE HAGUE HOLLAND



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TESTING REPORT

DRILL-STEM TEST DATA

Well Name Phillips 7-11-2X		Test No. 2
Well Number 7-11-2X		Zone Tested II
Company Phillips Petroleum Company		Interval 9932 - 10,190
Comp. Rep. J.Fetters	Tester D.Williams	Date Oct. 4, 1968.

Type of Test **Casing** RFS Tool No. _____

Preflow **3** mins. ISI **360** mins. Flow **320** mins. FSI **298** mins.

4 point test run after final shut-in.

Specify Inside or Outside	REC. No. 2760	REC. No. 2761	REC. No. Leutert
	RANGE 72 HR. CLOCK	RANGE 72 HR. CLOCK	RANGE 180 HR. CLOCK
DEPTH	10,135	10,140	10,112
Initial Hydro Mud Press	6912	6835	
Initial Shut-In Press			
Initial Flow Press			Data given by
Final Flow Press			Baker Oil Tools
Final Shut-In Press			
Final Hydro Mud Press	6928	6835	

Mud Drop _____ Fluid Loss **3.6** Mud Weight **13.0**
 Viscosity **52** Temperature °F **259°F** Net Pay Tested **215'**
 Top Packer Depth **9879'** Bottom Packer Depth _____ Total Depth **10,352'**
 Drill Pipe Size **3 1/2 Tubing** Wt. **9.3** Drill Collar I.D. **2 1/2"** Ft. Run **279**
 Surface Choke Size _____ Bottom Choke Size **2" ID Bumper Sub** Main Hole Size **9 5/8" x 47 casing**
 Anchor Size **3 1/2" EUE Tubing** Rat Hole Size _____ Feet of Rat Hole _____
 Cushion Amount **9879'** Type **Diesel Fuel** Rubber Size **8.338"**

Fluid Recovery Total Feet _____
 Recovered **9879** Feet of **In put Diesel Fuel**
 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: **Information on recovery & remarks will be supplied by J.Fetters & will be attached to test reports.**
At end of test pumped gas & well fluids into formation - pulled packer loose and circulated conditioning mud.

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

Test # 2

BAKER TEST HEAD

10 joints + 6' + 10' Pup joints Tubing

CO Subs	.20
Otis test tree	24.25
99 Std. + 1 double tubing	9228.45
CO Subs	1.05
P.B. Bumper Sub	21.78
CO Subs	.85
9 - Drill collars	278.97
CO Subs	.82
BJ Packer	10.00
6 Joints 3½" Tubing	186.50
1 Joint Perforated Tubing	31.60
Baker Hanger Sub (Leutert Rec.) Depth 10,112'	.88
1 Joint 3½" Tubing	31.33
CO Subs	1.64
Recorder Hanger Sub # 2760 Depth 10,135'	1.00
Recorder Case	4.00
Recorder Hanger Sub (Rec.# 2761) Depth 10,140'	1.00
Perforated Sub	1.00
Recorder Case	4.00
Bull Nose	2.50



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TESTING REPORT

DST PRESSURE INCREMENTS

Recorder No. 2760

Depth 10,135

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T+θ	$\frac{T+\theta}{e}$	PSIG	Time Defl. "	T+θ	$\frac{T+\theta}{e}$	PSIG
1					A			3981
2					B			5443
3					C			3161
4					D			3640
5					E			5545
6					F			5553
7					G			4942
8					H			5548
9					I			4502
10					K			5540
11					L			4259
12					M			4713
13					N			5253
14					O			5545
15					P			6783
16					Q			6213
17					R			6559
18								
19								
20								
21								
22								
23								
24								



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TESTING REPORT

5 mins. DST PRESSURE INCREMENTS of bleed off.

Recorder No. 2761

Depth 10,140

Points A-B

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		A	7170				
2	5			6228				
3	10			5766				
4	15			5268				
5	20			4505				
6	25		B	3886				
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								



CONFIDENTIAL

TESTING REPORT

5 mins. DST PRESSURE INCREMENTS of Preflow.

Recorder No. 2761

Depth 10,140

Points B-C

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		B	3886				
2	3		C	4266				
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								



CONFIDENTIAL

TESTING REPORT

5 mins. DST PRESSURE INCREMENTS of initial Shut-In.

Recorder No. 2761

Depth 10,140

Points C-D

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		C	4266	120			5554
2	5			5518	125			5554
3	10			5527	130			5554
4	15			5532	135			5554
5	20			5536	140			5554
6	25			5537	145			5554
7	30			5537	150			5554
8	35			5540	155			5554
9	40			5540	160			5554
10	45			5543	165			5554
11	50			5543	170			5554
12	55			5545	175			5554
13	60			5545	180			5554
14	65			5545	185			5554
15	70			5548	190			5554
16	75			5548	195			5554
17	80			5548	200			5554
18	85			5548	205			5554
19	90			5548	210			5554
20	95			5551	215			5554
21	100			5551	220			5554
22	105			5551	225			5554
23	110			5551	230			5554
24	115			5551	235			5554



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TESTING REPORT

Cont'd Points C-D

DST PRESSURE INCREMENTS

Recorder No. 2761

Depth 10,140

Points	INFORMATION				XXXXXXXX			
	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG
1	240			5554	360		D	5557
2	245			5554				
3	250			5557				
4	255			5557				
5	260			5557				
6	265			5557				
7	270			5557				
8	275			5557				
9	280			5557				
10	285			5557				
11	290			5557				
12	295			5557				
13	300			5557				
14	305			5557				
15	310			5557				
16	315			5557				
17	320			5557				
18	325			5557				
19	330			5557				
20	335			5557				
21	340			5557				
22	345			5557				
23	350			5557				
24	355			5557				



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TESTING REPORT

5 mins.DST PRESSURE INCREMENTS of Bleed off.

Points D-E

Recorder No 2761

Depth 10,140

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		D	5557				
2	5			4950				
3	10			4478				
4	15			4380				
5	20			4239				
6	25			4054				
7	30			3886				
8	35			3698				
9	40			3351				
10	45			3320				
11	50		E	3052				
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								



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TESTING REPORT

5 mins. DST PRESSURE INCREMENTS of Flow.

Flow well

Points E-F

Recorder No. 2761

Depth 10,140

Points	INITIAL CHX				FINAL CHX			
	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG
1	0		E	3052	120			3442
2	5			3095	125			3446
3	10			3158	130			3451
4	15			3199	135			3455
5	20			3226	140			3458
6	25			3264	145			3460
7	30			3292	150			3462
8	35			3308	155			3466
9	40			3324	160			3471
10	45			3343	165			3477
11	50			3348	170			3480
12	55			3356	175			3482
13	60			3370	180			3485
14	65			3378	185			3485
15	70			3387	190			3485
16	75			3391	195			3488
17	80			3401	200			3490
18	85			3406	205			3493
19	90			3414	210			3495
20	95			3417	215			3495
21	100			3422	220			3495
22	115			3424	225			3498
23	110			3440	230			3498
24	115			3435	235			3500

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C



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TESTING REPORT

Cont'd Points E-F

DST PRESSURE INCREMENTS

Recorder No. 2761

Depth 10,140

Points	MINIMUM COR				MAXIMUM COR			
	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG
1	240			3504				
2	245			3506				
3	250			3510				
4	255			3510				
5	260			3512				
6	265			3512				
7	270			3514				
8	275			3516				
9	280			3520				
10	285			3520				
11	290			3523				
12	295			3526				
13	300			3526				
14	305			3526				
15	310			3528				
16	315			3528				
17	320			F 3528				
18	342	L.I.		3528				
19								
20								
21								
22								
23								
24								

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5 mins. DST PRESSURE INCREMENTS of final Shut-In.

Recorder No. 2761

Depth 10,140

Points F-G

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		F	3529	120			5420
2	5			5331	125			5423
3	10			5347	130			5423
4	15	✓		5360	135			5423
5	20			5369	140			5426
6	25			5374	145			5426
7	30			5380	150			5426
8	35			5385	155			5429
9	40			5391	160			5429
10	45			5393	165			5429
11	50			5396	170			5431
12	55			5399	175			5431
13	60			5401	180	✓		5431
14	65			5403	185			5431
15	70			5407	190			5431
16	75			5409	195			5434
17	80			5412	200			5434
18	85			5414	205			5434
19	90	✓		5414	210			5434
20	95			5418	215			5434
21	100			5418	220			5436
22	105			5418	225			5436
23	110			5420	230			5436
24	115			5420	235			5436



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TESTING REPORT

Cont'd Points F-G

DST PRESSURE INCREMENTS

Recorder No. 2761

Depth 10,140

Points	INTEGRAL				TOTAL			
	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG	Time Defl. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG
1	240			5436				
2	245			5440				
3	250			5440				
4	255			5440				
5	260			5440				
6	265			5442				
7	270			5442				
8	275			5442				
9	280			5442				
10	285			5445				
11	290			5445				
12	295			5445				
13	298		G	5445				
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								



5 mins.DST PRESSURE INCREMENTS

Recorder No. 2761

Depth 10,140

Points G-H

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		G	5445	120			5320
2	5			5266	125			5309
3	10			5425	130			5312
4	15			5434	135			5315
5	20			5440	140			5244
6	25			5442	145			5217
7	30			5445	150			5222
8	35			5255	155			5225
9	40			5431	160			5222
4	45			5442	165			5222
5	50			5255	170		H	5225
6	55			5407				
7	60			5304				
8	65			5298				
9	70			5305				
10	75			5266				
11	80			5175				
12	85			5206				
13	90			5238				
14	95			5252				
15	100			5244				
16	105			5255				
17	110			5320				
18	115			5331				



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TESTING REPORT

5 mins. DST PRESSURE INCREMENTS

Points H-I

Recorder No. 2761

Depth 10,140

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		H	5225				
2	5			5402				
3	10			5420				
4	15		V	5423				
5	20			5429				
6	25			5434				
7	30			5436				
8	35			5440				
9	40			5442				
10	45			5442				
11	50			5445				
12	55			5445				
13	60			5445				
14	65			5445				
15	70			5445				
16	75			5447				
17	80			5447				
18	85			5447				
19	90			5447				
20	95			5451				
21	100			5451				
22	105			5451				
23	110			5451				
24	115		I	5451				



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TESTING REPORT

5 mins. DST PRESSURE INCREMENTS

Recorder No. 2761

Depth 10,140

Points I-K

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		I	5451	120		K	4836
2	5			4961				
3	10			4903				
4	15			4874				
5	20			4865				
6	25			4858				
7	30			4850				
8	35			4847				
9	40			4842				
10	45			4838				
11	50			4836				
12	55			4836				
13	60			4836				
14	65			4836				
15	70			4836				
16	75			4836				
17	80			4836				
18	85			4836				
19	90			4836				
20	95			4836				
21	100			4836				
22	105			4836				
23	110			4836				
24	115			4836				



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TESTING REPORT

5 mins. DST PRESSURE INCREMENTS

Recorder No. 2761

Depth 10,140

Points K-L

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		K	4836	116		L	5447
2	5			5369				
3	10			5393				
4	15			5407				
5	20			5414				
6	25			5420				
7	30			5425				
8	35			5428				
9	40			5430				
10	45			5434				
11	50			5436				
12	55			5436				
13	60			5440				
14	65			5440				
15	70			5442				
16	75			5442				
17	80			5442				
18	85			5442				
19	90			5445				
20	95			5445				
21	100			5445				
22	105			5445				
23	110			5445				
24	115			5447				



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5 mins. DST PRESSURE INCREMENTS

Points L-M

Recorder No. 2761

Depth 10,140

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		L	5447	120		M	4391
2	5			4912				
3	10			4561				
4	15			4472				
5	20			4429				
6	25			4413				
7	30			4407				
8	35			4404				
9	40			4402				
10	45			4402				
11	50			4400				
12	55			4400				
13	60			4400				
14	65			4396				
15	70			4393				
16	75			4391				
17	80			4391				
18	85			4391				
19	90			4391				
20	95			4391				
21	100			4391				
22	105			4391				
23	110			4391				
24	115			4391				

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5 mins. DST PRESSURE INCREMENTS

Points M-N

Recorder No. 2761

Depth 10,140

Points	INITIAL GIP				FINAL GIP			
	Time Diff. "	T+@	$\frac{T+@}{@}$	PSIG	Time Diff. "	T+@	$\frac{T+@}{@}$	PSIG
1	0		M	4391				
2	5			5353				
3	10			5374				
4	15			5391				
5	20			5402				
6	25			5409				
7	30			5414				
8	35			5418				
9	40			5420				
10	45			5423				
11	50			5425				
12	55			5429				
13	60			5429				
14	65			5431				
15	70			5431				
16	75			5434				
17	80			5434				
18	85			5436				
19	90			5436				
20	95			5440				
21	100			5440				
22	105			5440				
23	110			5442				
24	115		N	5442				



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5 mins. DST PRESSURE INCREMENTS

Points N-O

Recorder No. 2761

Depth 10,140

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		N	5442	120			4150
2	5			4776	125			4150
3	10			4364	130			4150
4	15			4223	135			4150
5	20			4176	140			4150
6	25			4157	145			4150
7	30			4154	150			4150
8	35			4152	155		O	4150
9	40			4152				
10	45			4152				
11	50			4152				
12	55			4152				
13	60			4152				
14	65			4152				
15	70			4152				
16	75			4152				
17	80			4152				
18	85			4152				
19	90			4152				
20	95			4150				
21	100			4150				
22	105			4150				
23	110			4150				
24	115			4150				



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5 mins. DST PRESSURE INCREMENTS

Points O-P

Recorder No. 2761

Depth 10,140

Points	Time Defl. "	INWADDER X			Time Defl. "	BOKALXOIK		
		T+θ	$\frac{T+\theta}{\theta}$	PSIG		T+θ	$\frac{T+\theta}{\theta}$	PSIG
1	0		0	4150	120			5148
2	5			4637	125			5151
3	10			4749	130			5151
4	15			4768	135			5153
5	20			4776	140			5153
6	25			4782	145			5153
7	30			4782	150			5157
8	35			4782	155			5157
9	40			4782	160			5157
10	45			4782	165			5157
11	50			4782	170			5157
12	55			4782	175			5159
13	60			4782	180			5159
14	65			4782	185			5159
15	70			4782	190			5162
16	75			4782	195			5162
17	80			4782	200			5164
18	85			4782	205			5164
19	90			5121	210			5164
20	95			5132	215			5164
21	100			5137	220			5168
22	105			5142	225			5179
23	110			5146	230			5181
24	115			5148	235			5181

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Conf'd Points O-P

DST PRESSURE INCREMENTS

Recorder No. 2761

Depth 10,140

Points	NITROGEN				OXYGEN			
	Time Defl. "	T+O	$\frac{T+O}{O}$	PSIG	Time Defl. "	T+O	$\frac{T+O}{O}$	PSIG
1	240			5181	360			5440
2	245			5181	365			5442
3	250			5181	370			5442
4	255			5181	375			5442
5	260			5181	380			5445
6	265			5181	385			5445
7	270			5181	390			5445
8	275			5402	395			5445
9	280			5412	400			5445
10	285			5418	405			5447
11	290			5420	410			5447
12	295			5423	415			5447
13	300			5425	420			5447
14	305			5429	425			5447
15	310			5429	430			5447
16	315			5431	435			5447
17	320			5431	440			5447
18	325			5434	445		P	5447
19	330			5434				
20	335			5436				
21	340			5436				
22	345			5436				
23	350			5440				
24	355			5440				

2

C



CONFIDENTIAL

5 mins. DST PRESSURE INCREMENTS

Points P=Q

Recorder No. 2761

Depth 10,140

1
2
3

Points	ANALYSIS				ANALYSIS			
	Time Diff. "	T+@	$\frac{T+@}{@}$	PSIG	Time Diff. "	T+@	$\frac{T+@}{@}$	PSIG
1	0		P	5447	120			6145
2	5			5646	125			6143
3	10			5822	130			6141
4	15			5948	135			6138
5	20			5772	140			6136
6	25			6741	145			6136
7	30			6649	150			6136
8	35			6792	155			6136
9	40			6447	160			6136
10	45			6372	165			6136
11	50			6321	170			6133
12	55			6284	175			6133
13	60			6252	180			6133
14	65			6239	185			6133
15	70			6212	190			6133
16	75			6199	195			6133
17	80			6186	200			6131
18	85			6175	205		Q	6131
19	90			6170				
20	95			6165				
21	100			6159				
22	105			6154				
23	110			6151				
24	115			6149				



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5 mins. DST PRESSURE INCREMENTS

Points Q-R

Recorder No. 2761

Depth 10,140

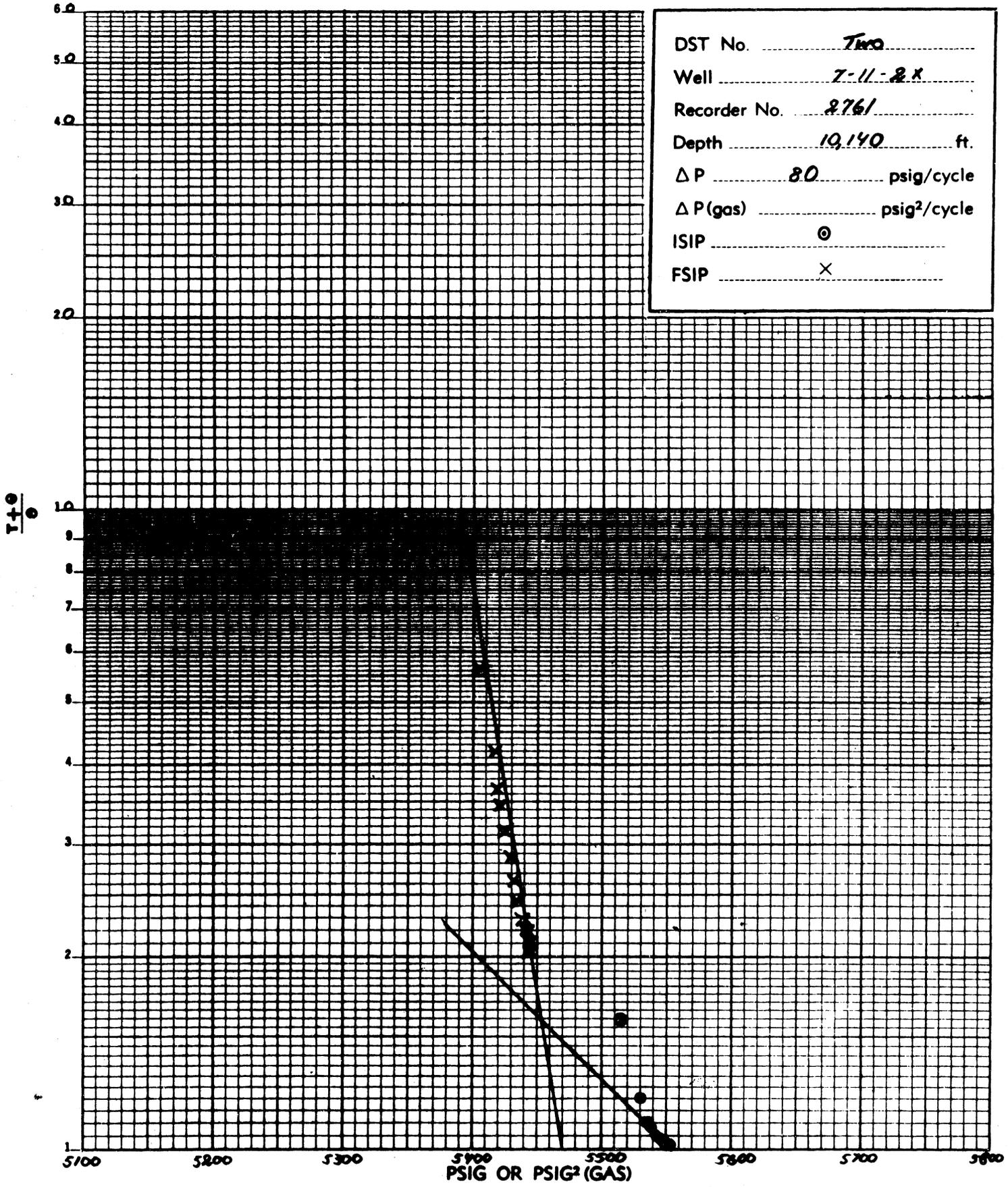
Points	INITIAL GIP				FINAL GIP			
	Time Diff. "	T + @	$\frac{T + @}{@}$	PSIG	Time Diff. "	T + @	$\frac{T + @}{@}$	PSIG
1	0		Q	6131				
2	5			6441				
3	10			6475				
4	15			6478				
5	20			6478				
6	25			6478				
7	30			6478				
8	35		R	6478				
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								



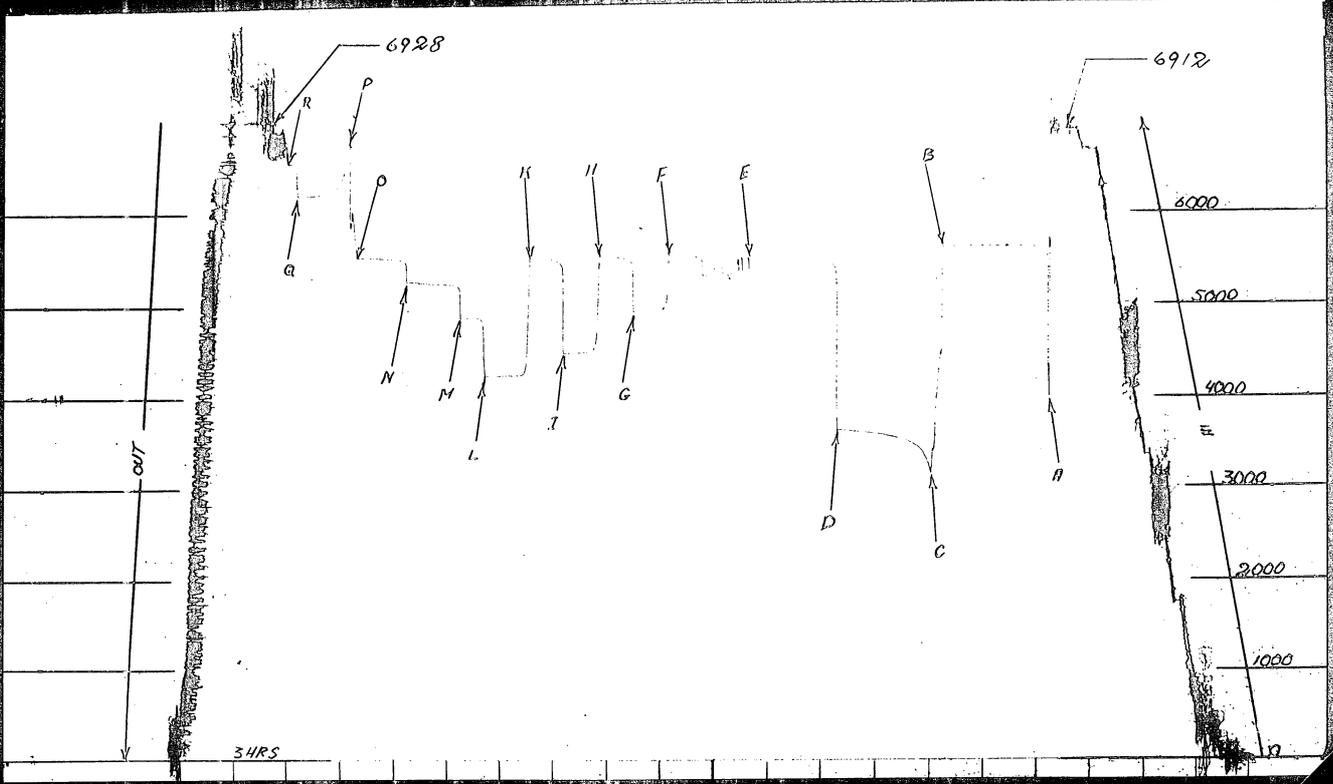
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TESTING REPORT

DST No.	Two
Well	7-11-2X
Recorder No.	2761
Depth	10,140 ft.
ΔP	80 psig/cycle
$\Delta P(\text{gas})$	psig ² /cycle
ISIP	⊙
FSIP	×



Phillips 7-11-2X
 Rec. # 2760 Test #2



Phillips 7-11-2X
 Rec. # 2761 Test #2

