

CONFIDENTIAL

Well Name	COD STRUCTURE	Test No.	8
Well Number	7-11-3X	Zone Tested	
Company	Phillips Petroleum Co. Norway	Interval	Perforated from 9960 - 9990
Comp. Rep.	J.K.Fetters	Tester	B.J.Flahr
		Date	December 30, 1968.





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TESTING REPORT

DRILL-STEM TEST DATA

Well Name	COD STRUCTURE	Test No.	8
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Company	Phillips Petroleum Co. Norway	Interval	Perforated from 9960 - 9990
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		Date	December 30, 1968.

Type of Test Casing Hook Wall RFS Tool No. _____

Preflow 13 mins. ISI 175 mins. Flow 62 mins. FSI 55 mins.

Specify Inside or Outside	Ins. REC. No. <u>2758</u>	Outs. REC. No. <u>2760</u>	REC. No. _____
	<u>10600</u> RANGE <u>72</u> HR. CLOCK	<u>10650</u> RANGE <u>48</u> HR. CLOCK	RANGE _____ HR. CLOCK
DEPTH	9949	9955	
Initial Hydro Mud Press	6388	6395	
Initial Shut-In Press	3950	3962	
Initial Flow Press	3534	3548	
Final Flow Press	3637	3618	
Final Shut-In Press	3874	3885	
Final Hydro Mud Press	6388	6395	

Mud Drop _____ Fluid Loss _____ Mud Weight 12.1
 Viscosity 45 Temperature °F 251 Net Pay Tested 30
 Top Packer Depth 9908 Bottom Packer Depth _____ Total Depth 10110
 Drill Pipe Size 3 1/2" EUE Wt. 9.3 Drill Collar I.D. _____ Ft. Run _____
 Surface Choke Size 1" Bottom Choke Size 2 3/8" Main Hole Size 27# 7" Casing
 Anchor Size 4 3/4" + 3 1/2" OD Rat Hole Size _____ Feet of Rat Hole _____
 Cushion Amount 87 Bbls Type 6.9# Diesel Rubber Size 5 3/4"
 Fuel

Fluid Recovery Total Feet 87 Bbls
 Recovered 87 Bbls ~~feet~~ of Diesel fuel cushion (reversed out)
 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: Well flowed 1.5 Bbls of diesel fuel during first minute of preflow - then 0.8 Bbls for the remainder of 12 mins. of preflow.
During the 62 min. flow period, the well flowed 0.2 Bbls.

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

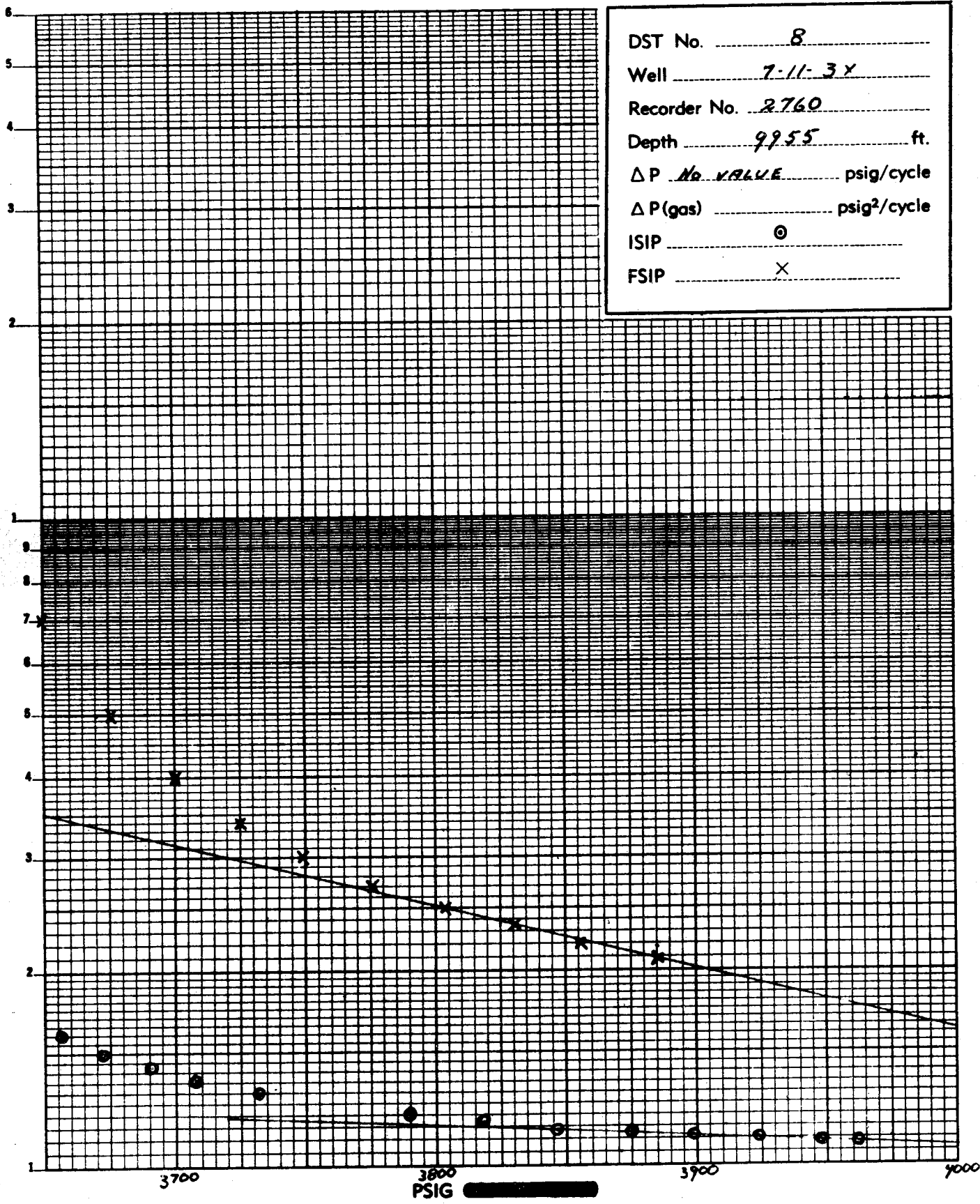
Test #8

Baker test tree	4.50
Hydril valve	2.00
C.O. Sub	1.50
3½" EUE tubing	310.00
3½" EUE tubing	6.00
C.O. Sub	.90
Otis test tree	24.25
3½" EUE tubing	9571.76
C.O. Sub	.90
Baker Packer (depth 9908)	6.40
C.O. Sub	.78
3½" EUE Perforation tubing	31.25
C.O. Sub	1.85
Hanger	1.00
Recorder case	4.00
Hanger	1.00
Perforation	1.00
Recorder case	4.00
Bullnose	2.50



DST No. 8
Well 7-11-3Y
Recorder No. 2760
Depth 9955 ft.
 ΔP No. VALUE psig/cycle
 ΔP (gas) _____ psig²/cycle
ISIP _____ \odot _____
FSIP _____ \times _____

$\frac{r+0}{\odot}$



D



5 mins. DST PRESSURE INCREMENTS of preflow

Recorder No. 2760

Depth 9955

A-B

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			3586				
2	5			3621				
3	10			3575				
4	13			3608				
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

C



5 mins. **DST PRESSURE INCREMENTS** of initial shut-in

B-C

Recorder No. 2760

Depth 9955

B

Points	INITIAL CIP				FINAL CIP			
	Time Def. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG	Time Def. "	T+θ	$\frac{T+\theta}{\theta}$	PSIG
1	0			3608	120			3875
2	5			3608	125			3883
3	10			3611	130			3891
4	15			3624	135			3999
5	20			3638	140			3907
6	25			3657	145			3916
7	30			3673	150			3924
8	35			3692	155			3932
9	40			3709	160			3940
10	45			3722	165			3948
11	50			3733	170			3956
12	55			3747	^C ₁₇₅			3962
13	60			3758				
14	65			3769				
15	70			3780				
16	75			3790				
17	80			3798				
18	85			3809				
19	90			3818				
20	95			3829				
21	100			3836				
22	105			3847				
23	110			3856				
24	115			3867				

C



5 mins. **DST PRESSURE INCREMENTS**

bleed off and coil relaxing time.

Recorder No. 2760

Depth 9955

C-D

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			3962				
2	3			3548				
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

C



5 mins DST PRESSURE INCREMENTS Final Shut-In.

E-F

Recorder No. 2760

Depth 9955

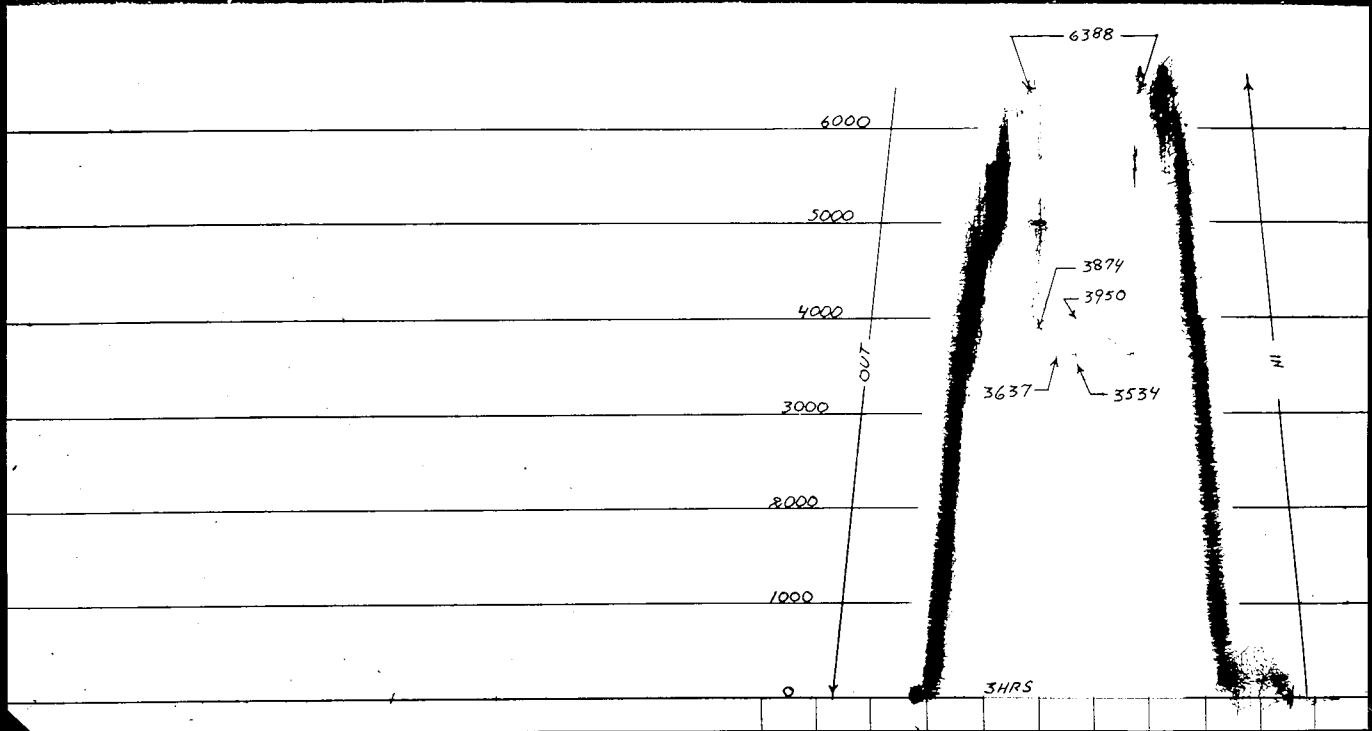
E

F

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			3618				
2	5			3627				
3	10			3649				
4	15			3676				
5	20			3700				
6	25			3725				
7	30			3749				
8	35			3776				
9	40			3804				
10	45			3831				
11	50			3856				
12	55			3885				
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

C

Cod Structure 7-11-3X
Ins.Rec. #2758 Test #8



Cod Structure 7-11-3X
Outs.Rec. #2760 Test #8

