

720:J



PHILLIPS PETROLEUM COMPANY

ID/OLJE
00103-23.1.69
SAKSB: F.4
ARKIV:

EST STARTED: 0236 hrs Dec. 8, 1968

EST COMPLETED: 1612 hrs Dec. 8, 1968

DEPTH OF PRESSURE RECORDER: Amerada - 10,609

DST NO. 1 SUMMARY

Well 7/11-3X (Perforations 10629 to 10651)

Amerada (Temp.) - 10,615 No. 560 Leuter - 10,647 No. 566 Leuter-1

Operation	Time		Length of Test		Choke Size	Wellhead		Gas MMCFD	Oil BPD	GOR Cu.Ft./STB	Water BPD	BHP PSIA
	From	To	Hrs.	Mins.		Press PSIA	Temp °F					
Initial Flow	0236	0255	-	19	1"	0	N.R.	-	Diesel 50	-	-	3885
Initial S.I.	0255	0810	5	15	-	1405	-	-	-	-	-	5247
Final Flow	0810	1210	4	-	1"	0	-	-	Diesel 12	-	-	3952
Final S.I.	1210	1612	4	2	-	1162	-	-	-	-	-	5033
BHP Recordings from Leuter Recorder No. 566 (+30 lbs)												
In. Hyd.	7723											
(Start) I.F.	3885											
(end) I.F.	3885											
ISI	5247											
(start) F.F.	3910											
(end) F.F.	3952											
FSI	5033											
FHYD	7723											
			IHP									

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00103-23.1.69
SAKSB:
ARKIV:



PHILLIPS PETROLEUM COMPANY

From 10532 - 10545
10556 - 10571
10588 - 10603

TEST STARTED: 1645 Dec. 10

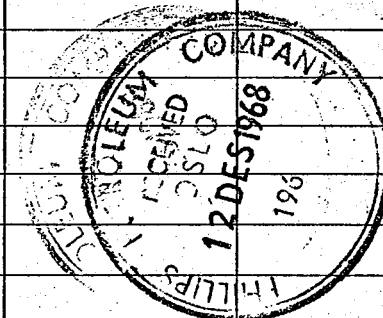
TEST COMPLETED: _____

DST NO. 2 SUMMARY perforations

7/11-3X

DEPTH OF PRESSURE RECORDER: Amer - 10537, amer temp 10543 No. 560 Leuter 10570 No. 566 Leuter 10559

Operation	Time		Length of Test		Choke Size	Wellhead		Gas MMCFD	Oil BPD	GOR Cu.Ft./STB	Water BPD	Notes
	From	To	Hrs.	Mins.		Press PSIA	Temp °F					
IF	1645	1700		15	1	0	-	0	Diesel 96	0	0	031110 BHP PSIA 10537 10543 10559 10570 10588 10603
ISI	1700	2000	3	0	0	1786	-	0	0	0	0	
F.F.	2000	0830	12	30	1	0	-	0	Diesel 48	0	0	
F.S.I.	0830	0840 1300	4	30		1292 360						
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On final flow the rate decreased from 2.5 bbls. per hour to 1.5 bbls per hour, recovered 23 bbls of d. fuel and 5 bbls in flow from rathole. 18-19 bbls formation fluid.												





PHILLIPS PETROLEUM COMP. IV

Perforations from 10532 - 10545
10556 - 10571
10588 - 10603

TEST STARTED: 1645 Dec. 10

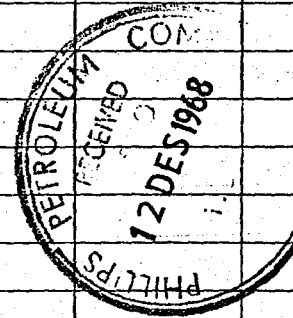
TEST COMPLETED: 1300 Dec. 11

DST NO. 2 SUMMARY

DEPTH OF PRESSURE RECORDER: Amer. - 10537 amer. tem. 10543 7/11-3X No. 560 Leuter 10570 No. 566 Leuter - 10559

Operation	Time		Length of Test		Choke Size	Wellhead		Gas MMCFD	Oil BPD	GOR Cu.Ft./STB	Water BPD	BHP PSI
	From	To	Hrs.	Mins.		Press PSIA	Temp °F					
I.F.	1645	1700	15		1"	0	-	0	Diesel 96	0	0	3885
I.S.I.	1700	2000	3	0	0	1786	-	0	0	0	0	5482
F.F.	2000	0830	12	30	1"	0	-	0	Diesel 48	0	0	4188
F.S.I.	0830	1300	4	30	-	1292	-	-	-	-	-	5420
No. 566 Leuter Recorder (+30 psi)												
IHP	-	7683										
IF ¹	-	3925										
IF ²	-	3885										
ISI	-	5482										
FF ¹	-	3942										
FF ²	-	4188										
FSI	-	5420										
FHP	-	7687										

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WELL 7/11-3X



PHILLIPS PETROLEUM COMPANY

Perforations: 10,432 to 10,438
 10,469 to 10,484
 10,491 to 10,506

TEST STARTED: 1820 hrs Dec. 11, 1968

DST NO. 3 SUMMARY

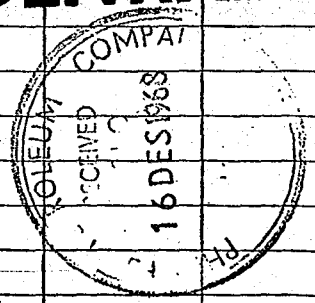
Packer at 10,379

TEST COMPLETED: 0745 hrs Dec. 12, 1968

DEPTH OF PRESSURE RECORDER: Amerada 10,420 Amerada (Temp.) 10,420 No. 566 Leuter - 10,456 Leuter No. 560 - 10,467

Operation	Time		Length of Test		Choke Size	Wellhead		Gas MMCFD	Oil BPD	GOR Cu.Ft./STB	Water BPD	BHPSIA
	From	To	Hrs.	Mins.		Press PSIA	Temp °F					
IF	1820	1835	-	15	1"	0	-	0	58	0	0	3885
ISI	1835	2130	2	55	0	1794	-	0	0	0	0	5525
FF	2130	0400	6	30	1"	0	-	0	36	0	0	4019
FSI	0400	0745	3	45	0	1516	-	0	0	0	0	5510
Rec. 8 bbl water cut mud (cleanest water sample Rw = 0,104 at 47°)												
No. 566 Leuter (Accuracy ± 30 Field read)												
IHP	7679											
IF (Start)	3950											
IF (End)	3885											
ISI	5525											
FF (Start)	3926											
FF (End)	4019											
FSI	5510											
FHP	7775											
Rec)	78 bbls diesel											
	3 bbls mud											
	8 bbls water (cont with mud)											
	2 bbls water cut mud											

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66703-57100
 IDNORGE

Packer at 10,300



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7/11-3X

TEST STARTED: 2245 hrs Dec. 12

DST NO. 4 SUMMARY

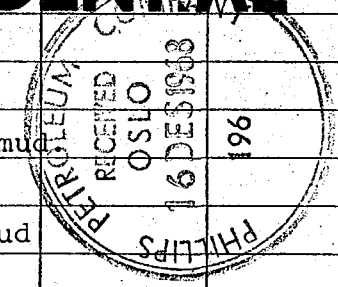
TEST COMPLETED: _____

DEPTH OF PRESSURE RECORDER: No. 560 Leuter 10,384 No. 566 Leuter 10,373

08115-5000
 10/07/51

Operation	Time		Length of Test		Choke Size	Wellhead		Gas MMCFD	Oil BPD	GOR Cu.Ft./STB	Water BPD		
	From	To	Hrs.	Mins.		Press PSIA	Temp °F						
IF	2245	2300		15	1"	0	-	0	103	0	0	3825	
ISI	2300	0130	2	30	-	1778	-	0	0	0	0	5489	
FF	0130	1115	9	45	1"	0	-	-	41	0	0	4067	
FSI	1115	1440	3	25		1421						5473	
(At 0830 14 bbls flowed back)													
Recovery:	17 bbls water - no show					Res 0.152 at 49° F.							
Recorder	No. 566 (Field Readings):						Rec: 65 bbls diesel						
IHP -	7521												
IF Start	3825												
IF End	3810												
ISI -	5489												
FF Start	3800												
FF End	4067												
FSI -	5473												
FHP -	7525												

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Packer set at 10,237'

TEST STARTED: 1505 Dec. 14, 1968

Perforations: 10,255 - 10,335'

TEST COMPLETED:

DST NO. 5 SUMMARY

DEPTH OF PRESSURE RECORDER:

WELL 7/11-3X

BHP
PSIA
00423-8110
10/10/78

Operation	Time		Length of Test		Choke Size	Wellhead		Gas MMCFD	Oil BPD	GOR Cu.Ft./STB	Water BPD
	From	To	Hrs.	Mins.		Press PSIA	Temp °F				
IF	1505	1521	16		1	0			34		
ISI	1521	2030	5	9		1721					
FF	2030	1000	13	30	1				24		
FSI	1000	1408	4	08		1493					
Recovery: 66 bbls diesel 5 bbl diesel cut mud 15 bbls water 4 bbls water cut mud											
Weight	826		826		826			Rec.:	66 bbls diesel		
Chl.	33,000		32,000		30,000				5 " diesel cut mud		
Resistivity Baroid at 65°	.15		.15		.16				4 " water cut mud		
Resistivity Schl. at 65°	.145		.151		.160				15 " water		
Calc. Total Hardness	280		280		280			Rec. of wtr.	0.16 at 65° F.		
Ph	6.8		6.6		6.7						
Color of oil	Grey		Grey		Grey						
			0.5%								
Water			98.5%								

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PHILLIPS PETROLEUM COMPANY

Well 7/11-3X

TEST STARTED: 0810 Dec. 27, 1968

TEST COMPLETED: 1800 Dec. 27, 1968

DST NO. 6 SUMMARY

Perforations:
10184 - 10213'
10218 - 10240'

DEPTH OF PRESSURE RECORDER: At 2760 Recorder - 10,145 At 2761 - 10,150

Operation	Time		Length of Test		Choke Size	Wellhead		Gas MMCFD	Oil BPD	GOR Cu.Ft./STB	Water BPD	BHP PSIA				
	From	To	Hrs.	Mins.		Press PSIA	Temp °F									
I.F.	0810	0825		15	1"	0	-	0	1440	0	0	3224				
I.S.I.	0825	1118	2	53	-	1611	-	0	0	0	0	5513				
F.F.	1118	1511	3	53	1"	0	-	0	1032	0	0	4491				
F.S.I.	1511	1800	2	49	0	852	-	0	0	0	0	5331				
At 2751 Recorder:					Water analysis (field):											
IHP	6462				wt.	8.5		CONFIDENTIAL								
IF (start)	3815				cl.	18,500										
IF (end)	3943				rw..	.291 at 51°										
ISI	5513				Ca ⁺⁺	250										
FF (start)	4049				Total hard-	ness 440										
FF (end)	4491															
FSI	5331															
FHP	6457															
88 bbls diesel and diesel cut																
mud plus 56 bbls water total flow.																

02115-51120
 05103-51120
 BHP
 PSIA
 3224
 5513
 4491
 5331

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PHILLIPS PETROLEUM COMPANY

Well 7/11-3X

TEST STARTED: 1857 hrs Dec. 28

TEST COMPLETED: 1855 hrs Dec. 29

DST NO. 7 SUMMARY

Perforations:
10125 - 10145'

DEPTH OF PRESSURE RECORDER: Custer No. 2760 at 10110 No. 2759 at 10104

Operation	Time		Length of Test		Choke Size	Wellhead		Gas MMCFD	Oil BPD	GOR Cu.Ft./STB	Water BPD	BHP PSIA
	From	To	Hrs.	Mins.		Press PSIA	Temp °F					
IF	1857	1912	0	15	1"	0	-	0	515	0	0	3794
SI	1912	2100	1	48	-	1792	-	0	0	0	0	5526
Unloading	2100	0155	4	15	1"	0	-	-	465	0	0	5526
Flow out vent line	0155	1115	10	00	1/4"	60	-	trace	79	-	315	5526
Flow thru Sep	1115	1510	3	55	1/2"	35	45°F	0.120	90	1333	340	3517
SI	1510	1855	3	45	-	1310	-	-	-	-	-	5291
(Separator pressure 20. psig)												
Recorder No. 2760					Oil gravity:		47 degrees API corrected to 60 F					
IF (Start)			3719		Oil color:		Greenish black					
IF (End)			3774		Water resistivity:		0.349 at 49 F					
SI			5526		Chloride of water:		15,400 ppm					
FF (Start)			3817									
FF (End)			3517									
FSI			5291									
HP			6601									
HP			6601									

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TEST STARTED: 1818 hrs Dec. 30, 1968

7/11-3X

Perforations:

TEST COMPLETED: 2333 hrs Dec. 30, 1968

DST NO. 8 SUMMARY

9960 - 9990'

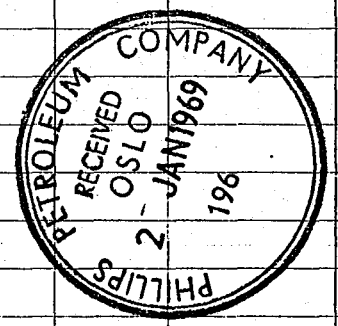
DEPTH OF PRESSURE RECORDER: No. 2758 at 9949

No. 2760 at 9955

Operation	Time		Length of Test		Choke Size	Wellhead		Gas MMCFD	Oil BPD	GOR Cu.Ft./STB	Water BPD	BHP PSIA
	From	To	Hrs.	Mins.		Press PSIA	Temp °F					
F.F.	1818	1833	-	15	1"	0	-	0	82	0	0	3644
F.S.I.	1833	2130	2	57	-	374	-	-	-	-	-	3955
F.F.	2130	2230	1	00	1"	0	-	0	4.8	0	-	3644
F.S.I.	2230	2333	1	03	-	275	-	-	-	-	-	3906
Recorder No. 2760:												
F.F. (start)												
F.F. (end)												
F.S.I.												
F.F. (start)												
F.F. (end)												
F.S.I.												
F.H.P.												
F.H.P.												

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