

COUNTY **LEA** FIELD **Undesignated** STATE **NM**
 OPR **TENNECO OIL CO.** API **30-025-25654**
 NO **1** LEASE **Kemnitz Deep** MAP
Sec 29, T16S, R34E CO-ORD
2280' FNL, 1980' FEL of Sec **8-4-20 NM**
11 mi E/Mallamar SPD **10-17-77** CMP **3-8-78**

CSC 13 3/8" at 368' w/400 sx 8 5/8" at 4561' w/1500 sx 5 1/2" at 13,000' w/830 sx	WELL CLASS: INIT D FIN DG ELEV L & S			
	FORMATION	DATUM	FORMATION	DATUM
	TD 13,568' (MRRW)		PBD 12,990'	

IP (Atoka-Morrow) Perfs 12,611-938' F 1779 MCFGPD. Pot
 based on 24 hr test, chk (NR). GOR Dry; gty (NR); CP
 Pkr; TP 4965#

CONTR **Warton #1** OPRSELEV **4119' GL** PD **13,200' RT**

8-21-78 F.R. 9-26-77
 (Morrow)
 TD 13,563'; PBD 12,990'; Complete
 Cored (Morrow) 11,433-480', rec 37',
 no descr.
 DST (Morrow) 11,430-480', op 1 hr 15 mins,
 RO WB + 5 sli O&GCM, 1 hr ISIP 4113#, FP
 328-285#, 2 hr 15 min FSIP 6072#, HP 5758-
 5758#
 DST (Morrow) 12,902-931', op (NR) pkr
 failed, rec 2000' WB + 1055' mud, no
 pressures taken

8-4-20 NM

LEA
TENNECO OIL CO.

Undesignated
1 Kemnitz Deep
Sec 29, T16S, R34E

NM
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Continued

Perf (Morrow) 12,910-938' w/4 SPF
Acid (12,910-938') 1000 gals
Perf (Atoka) 12,611-634' w/4 SPF
Acid (12,611-634') 2000 gals (6%)
LOG TOPS: Rustler 1548', Salt 1730',
Base Salt 2620', Yates 2755', Queen
3700', San Andres 4520', Glorieta 5988',
Tubb 7222', Abo 7980', Wolfcamp 9686',
Strawn 11,980', Atoka 12,056', Mississippian
13,520'

8-4-20 NM

8-21-78

Continued

LOGS RUN: DILL, GRL, CNL, BHC, ACSL,
CALP

8-26-78

COMPLETION ISSUED

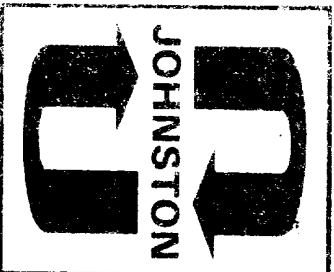
8-4-20 NM

IC 30-025-70241-77

JOHNSTON

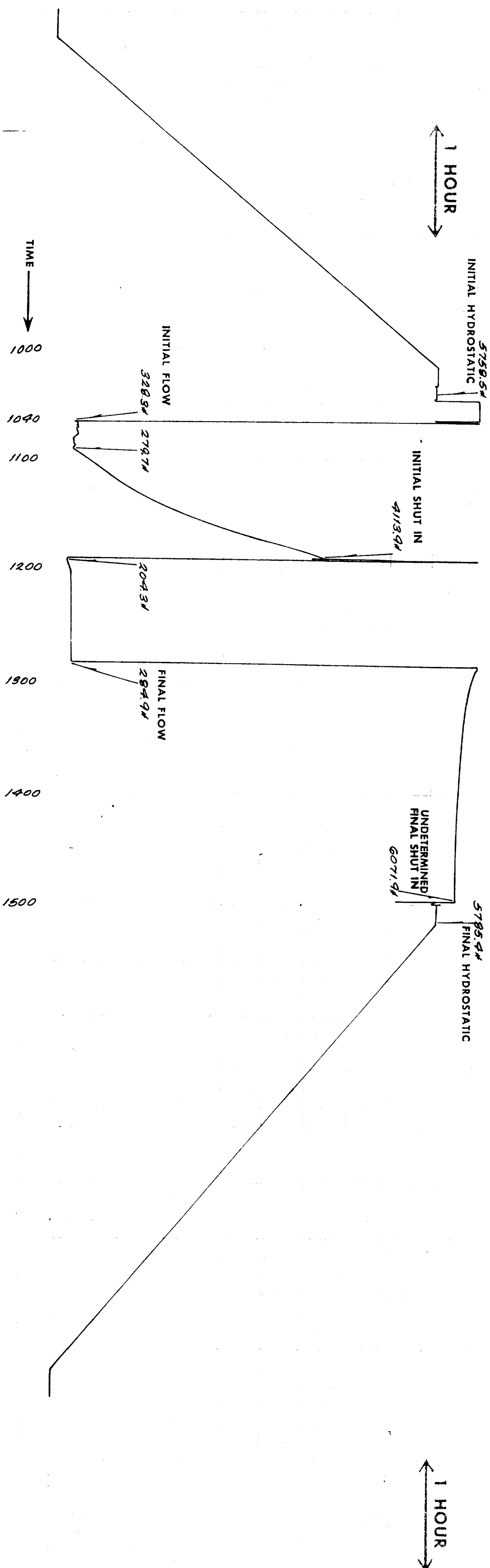
Schlumberger

**technical
report**



PRESSURE LOG*

Field Report No. 05817 D
Instrument: J-375
Number: 32834
Capacity: 6400 p.s.i.
Depth: 11468 ft.
* continuous tracing of the original chart



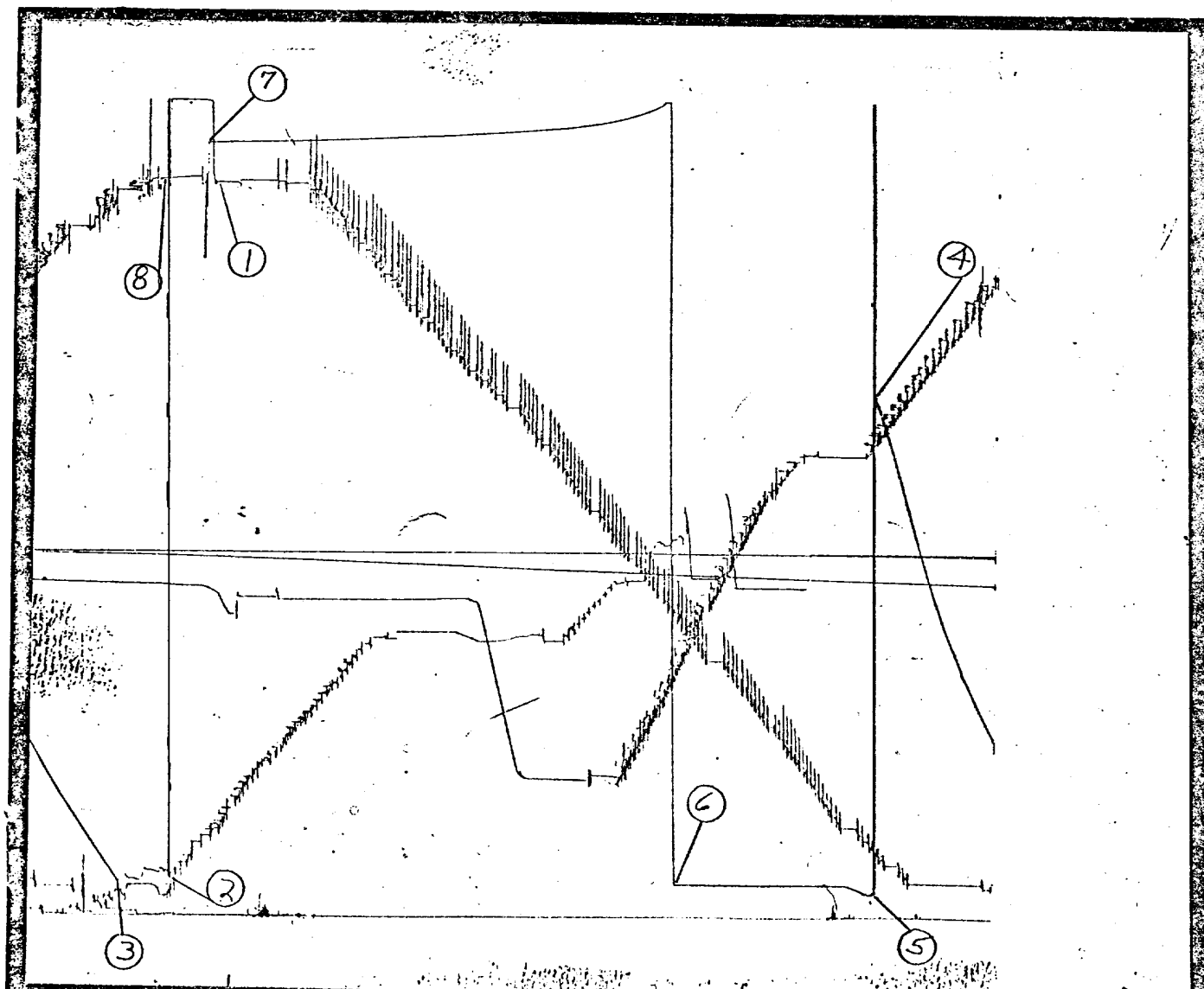
FIELD REPORT NO.: 05817 D

INSTRUMENT NO.: J-375

CAPACITY: 6400#

NO. OF REPORTS: 17+

PRESSURE DATA FROM THIS CHART IS PRESENTED ON NEXT PAGE



EQUIPMENT & HOLE DATA

EQUIPMENT & HOLE DATA		
Type Test	M.F.E. OPEN HOLE	
Formation Tested	CISCO	
Elevation	4171	Ft.
Net Productive Interval	13	Ft.
Estimated Porosity	-	%
All Depths Measured From	KELLY BUSHING	
Total Depth	11,480	Ft.
Main Hole/Casing Size	7 7/8"	
Rat Hole/Liner Size	-	
Drill Collar Length	480'	I.D. -
Drill Pipe Length	10,912'	I.D. -
Packer Depth(s)	11424 & 11430	

Sampler Pressure _____ - _____ P.S.I.G. at Surface
Recovery: Cu. Ft. Gas _____, 83
cc. Oil _____ - _____
cc. Water _____ - _____
cc. Mud _____ - _____
Tot. Liquid cc. _____ - _____
Gravity _____ - _____ ° API @ _____ - _____ ° F.
Gas/Oil Ratio _____ - _____ cu. ft./bbl.

**CHLORIDE
CONTENT**

Recovery Water	—	@	—	°F.	—	ppm
Recovery Mud	—	@	—	°F.		
Recovery Mud Filtrate	—	@	—	°F.	—	ppm
Mud Pit Sample	.12	@	60	°F.		
Mud Pit Sample Filtrate	—	@	—	°F.	69,000	ppm

Mud Type	-	Wt.	9.6	
Viscosity	42	Water Loss	15	C.C.
Resist: of Mud	.12 @ 60 °F;	of Filtrate	- @ -	°F
Chloride Content	69,000			PPM

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAVITY	RESISTIVITY	CHL. PPM
REVERSED OUT: WATER CUSHION	500	-				@ °F.	@ °F.	
OIL & GAS CUT MUD	-	5				@ °F.	.39 @ 60 °F.	60,000
RECOVERED BELOW CIRCULATING						@ °F.	@ °F.	
SUB:						@ °F.	@ °F.	
OIL & GAS CUT MUD	60	-				@ °F.	.39 @ 60 °F.	50,000
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	

Remarks: _____

Address PENT HOUSE 720; S. COLORADO BLVD; DENVER, COLORADO 80203

Company TENNECO OIL COMPANY Field KEMNITZ

Well KEMNITZ DEEP UNIT #1-29 Location N.E. 1/4, SEC. 29, T-16S, R-34E

Well	11,430' TO 11,480'	Location	1	Date	11-30-77
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County LEA State NEW MEXICO Field Report No. 05817 D

Technician VANDEVENTER (HOBBS) Test Approved By MR. W. DALE SCHRECK No. Reports Requested 17 (10x)

Field Report No. 05817 D
No. Reports Requested 17 (10x)

BOTTOM HOLE PRESSURE AND TIME DATA



INSTRUMENT NO.: J-375 CAPACITY(P.S.I.): 6400 DEPTH: 11468 FT.
 PORT OPENING: INSIDE BOTTOM HOLE TEMP.: 160 PAGE 1 OF 1

DESCRIPTION	LABELED POINTS	PRESSURE (P.S.I.)	GIVEN TIME	COMPUTED TIME
INITIAL HYDROSTATIC MUD	1	5758.5		
INITIAL FLOW(1)	2	328.3		
INITIAL FLOW(2)	3	279.7	15	14
INITIAL SHUT-IN	4	4113.9	61	59
FINAL FLOW(1)	5	204.3		
FINAL FLOW(2)	6	284.9	55	54
FINAL SHUT-IN	7	6071.9	126	130
FINAL HYDROSTATIC MUD	8	5785.4		

THE FINAL SHUT-IN IS NOT CONSIDERED A RELIABLE RESERVOIR VALUE DUE TO COMMUNICATIONS.

INCREMENTAL READINGS

LABEL POINT	DELTA TIME	PRESSURE (P.S.I.)	T + DT/DT	LOG	PW - PF (P.S.I.)	COMMENTS
1		5758.5				
2	0	328.3				HYDROSTATIC MUD
	5	368.0				INITIAL FLOW(1)
	10	304.0				
3	14	279.7				INITIAL FLOW(2)
3	0	279.7				STARTED SHUT-IN
	5	492.0	3.800	0.580	212.3	
	10	696.7	2.400	0.380	416.9	
	15	905.1	1.933	0.286	625.4	
	20	1126.4	1.700	0.230	846.6	
	25	1377.0	1.560	0.193	1097.3	
	30	1676.3	1.467	0.166	1396.6	
	35	1994.7	1.400	0.146	1715.0	
	40	2360.5	1.350	0.130	2080.8	
	45	2806.8	1.311	0.118	2527.1	
	50	3310.7	1.280	0.107	3031.0	
	55	3809.5	1.255	0.098	3529.8	
4	59	4113.9	1.237	0.092	3834.1	INITIAL SHUT-IN
5	0	204.3				FINAL FLOW(1)
6	54	284.9				FINAL FLOW(2)
6	0	284.9				STARTED SHUT-IN
7	130	6071.9	1.523	0.183	5787.0	FINAL SHUT-IN
8		5785.4				HYDROSTATIC MUD

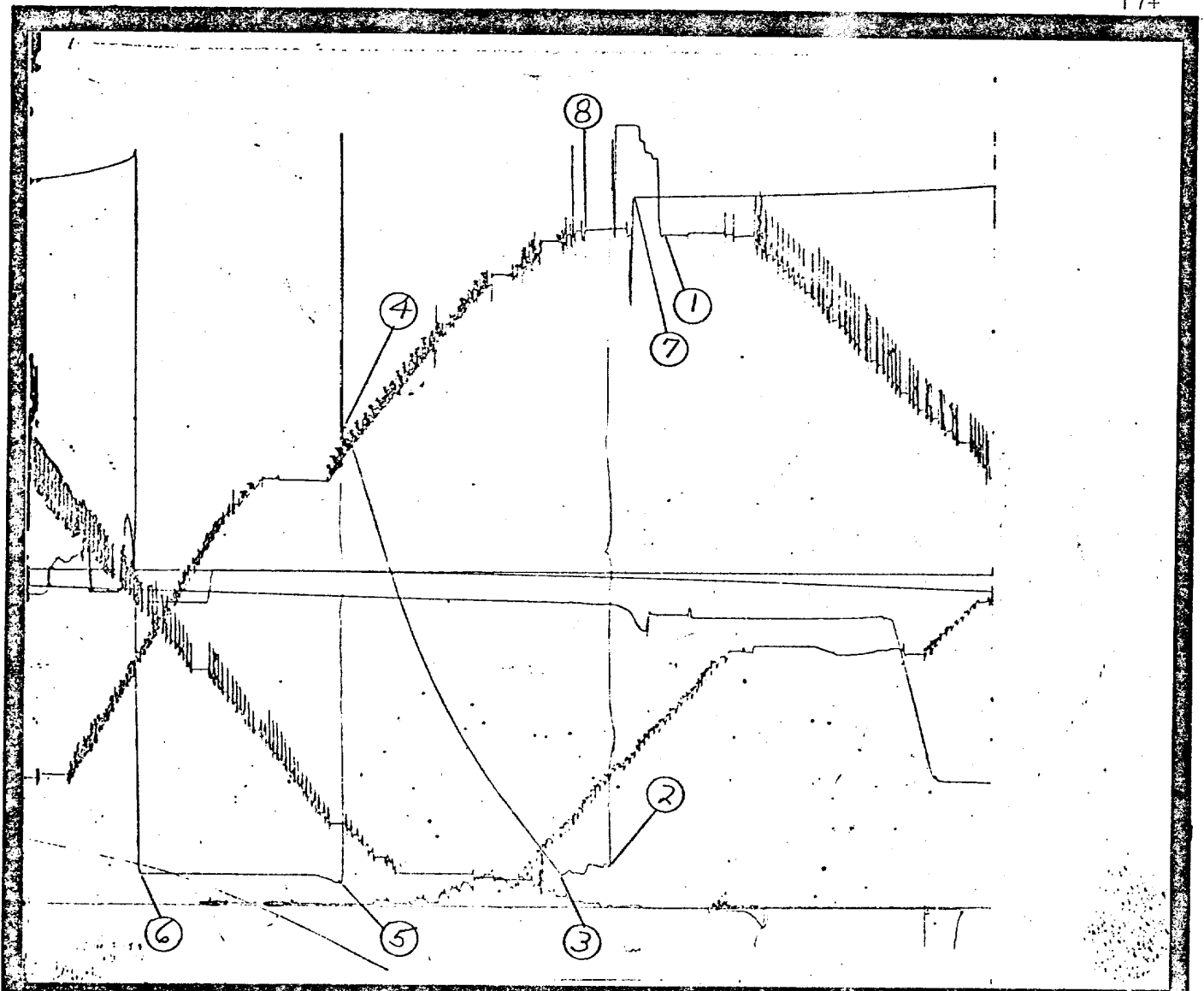
BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: T-74 CAPACITY (P.S.I.): 7000# DEPTH 11474 FT.
 PORT OPENING: OUTSIDE BOTTOM HOLE TEMP.: 160°F. FIELD REPORT NO. 05817 D

DESCRIPTION	LABELED POINTS	PRESSURE (P.S.I.)	GIVEN TIME	COMPUTED TIME
INITIAL HYDROSTATIC MUD	1	5731.7		
INITIAL FLOW (1)	2	382.9		
INITIAL FLOW (2)	3	299.2	15	14
INITIAL SHUT-IN	4	4099.1	61	59
SECOND FLOW (1)				
SECOND FLOW (2)				
SECOND SHUT-IN				
FINAL FLOW (1)	5	230.7		
FINAL FLOW (2)	6	302.0	55	54
FINAL SHUT-IN	7	6052.5	126	130
FINAL HYDROSTATIC MUD	8	5768.7		

REMARKS: THE FINAL SHUT-IN IS NOT CONSIDERED A RELIABLE RESERVOIR VALUE DUE TO COMMUNICATIONS.

17+



JOHNSTON

Schlumberger

**technical
report**

Schlumberger

EQUIPMENT & HOLE DATA

Type Test M.F.E. SELECTIVE ZONE STRADDLE
 Formation Tested MORROW / OPEN HOLE
 Elevation 4171 K.B. Ft.
 Net Productive Interval 9 Ft.
 Estimated Porosity - %
 All Depths Measured From KELLY BUSHING
 Total Depth 13,568 Ft.
 Main Hole/Casing Size 7 7/8"
 Rat Hole/Liner Size -
 Drill Collar Length 459' I.D. 2.25"
 Drill Pipe Length 12,393' I.D. 3.8"
 Packer Depth(s) 12,896 & 12,902 Ft.
12,931 & 12,937

Sampler Pressure _____ P.S.I.G. at Surface
 Recovery: Cu. Ft. Gas _____
 cc. Oil _____
 cc. Water _____
 cc. Mud _____
 Tot. Liquid cc. _____
 Gravity _____ ° API @ _____ ° F.
 Gas/Oil Ratio _____ cu. ft./bbl.

CHLORIDE CONTENT

Recovery Water _____ @ _____ °F. _____ ppm

Recovery Mud _____ @ _____ °F. _____ ppm

Recovery Mud Filtrate _____ @ _____ °F. _____ ppm

Mud Pit Sample _____ @ _____ °F. _____ ppm

Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm

Mud Type	MYLOJEL - SALT GEL	Wt.	10.7	
Viscosity	76	Water Loss	4	C.C.
Resist. of Mud	- @ -	°F. of Filtrate	- @ -	°F
Chloride Content	150,000			PPM

[illegible]

Remarks: UNSUCCESSFUL TEST; PACKER SEAT FAILURE. ' ' TELEFLOW TEST SYSTEM ' '

Address 720 SOUTH COLORADO ; GALLERIA BUILDING; DENVER, COLORADO 80203

Company TENNECO OIL COMPANY

Well KEMNITZ DEEP UNIT #1-29

Well _____
Test Interval 12,902' TO 12,931' (UNSUCCESSFUL)

Location N.E. 1/4, SEC. 29, T-16-S, R-34-E

Location 14
Test # 2

Date 12-28-77

County LEA

State NEW MEXICO

Technician GRIZZLE/CLAMON (HOBBS) Test Approved By MR. TOM DUNNING

Field Report No. 05860

No. Reports Requested 17 (1C)

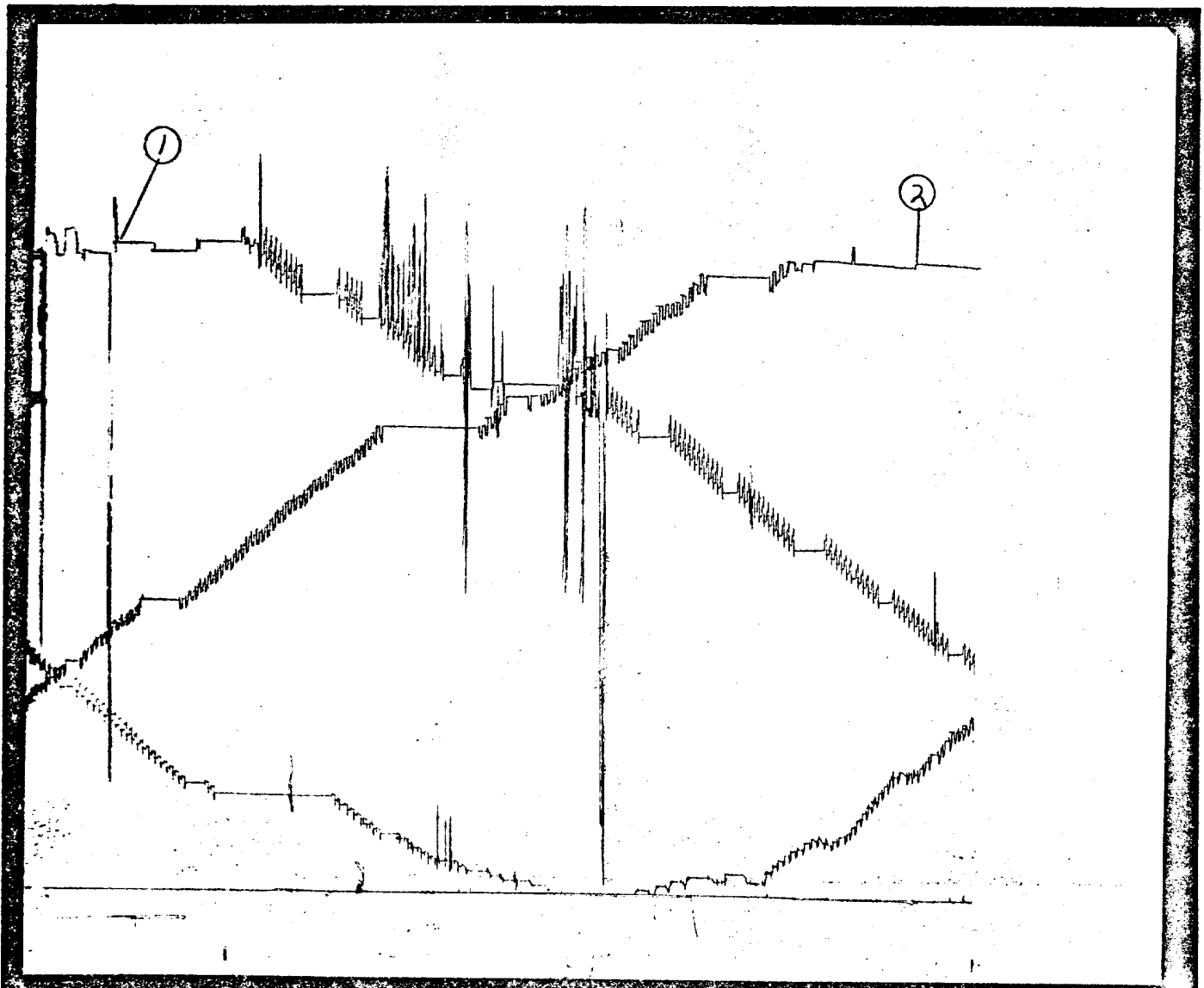
BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: J-1167 CAPACITY (P.S.I.): 9000# DEPTH 12865 FT.
 PORT OPENING: INSIDE BOTTOM HOLE TEMP.: 176°F. FIELD REPORT NO. 05860 D

DESCRIPTION	LABELED POINTS	PRESSURE (P.S.I.)	GIVEN TIME	COMPUTED TIME
INITIAL HYDROSTATIC MUD	1	7433.7		
INITIAL FLOW (1)				
INITIAL FLOW (2)				
INITIAL SHUT-IN				
SECOND FLOW (1)				
SECOND FLOW (2)				
SECOND SHUT-IN				
FINAL FLOW (1)				
FINAL FLOW (2)				
FINAL SHUT-IN				
FINAL HYDROSTATIC MUD	2	7322.5		

REMARKS: UNSUCCESSFUL TEST.

17+



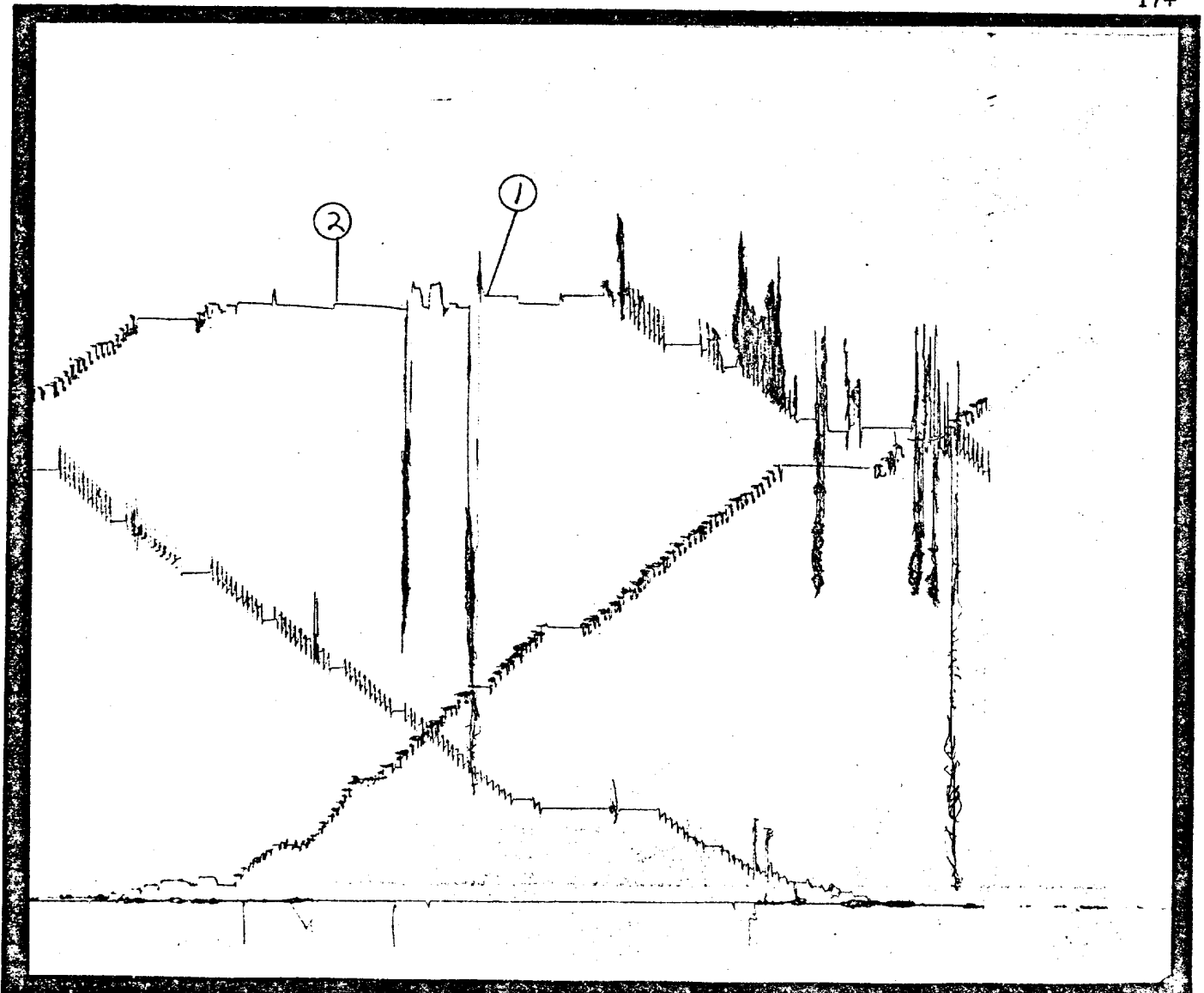
BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: T-298 CAPACITY (P.S.I.): 10,000# DEPTH 12871 FT.
 PORT OPENING: INSIDE BOTTOM HOLE TEMP.: 176°F. FIELD REPORT NO. 05860 D

DESCRIPTION	LABELED POINTS	PRESSURE (P.S.I.)	GIVEN TIME	COMPUTED TIME
INITIAL HYDROSTATIC MUD				
INITIAL FLOW (1)	1	7459.7		
INITIAL FLOW (2)				
INITIAL SHUT-IN				
SECOND FLOW (1)				
SECOND FLOW (2)				
SECOND SHUT-IN				
FINAL FLOW (1)				
FINAL FLOW (2)				
FINAL SHUT-IN				
FINAL HYDROSTATIC MUD	2	7354.3		

REMARKS: UNSUCCESSFUL TEST.

17+



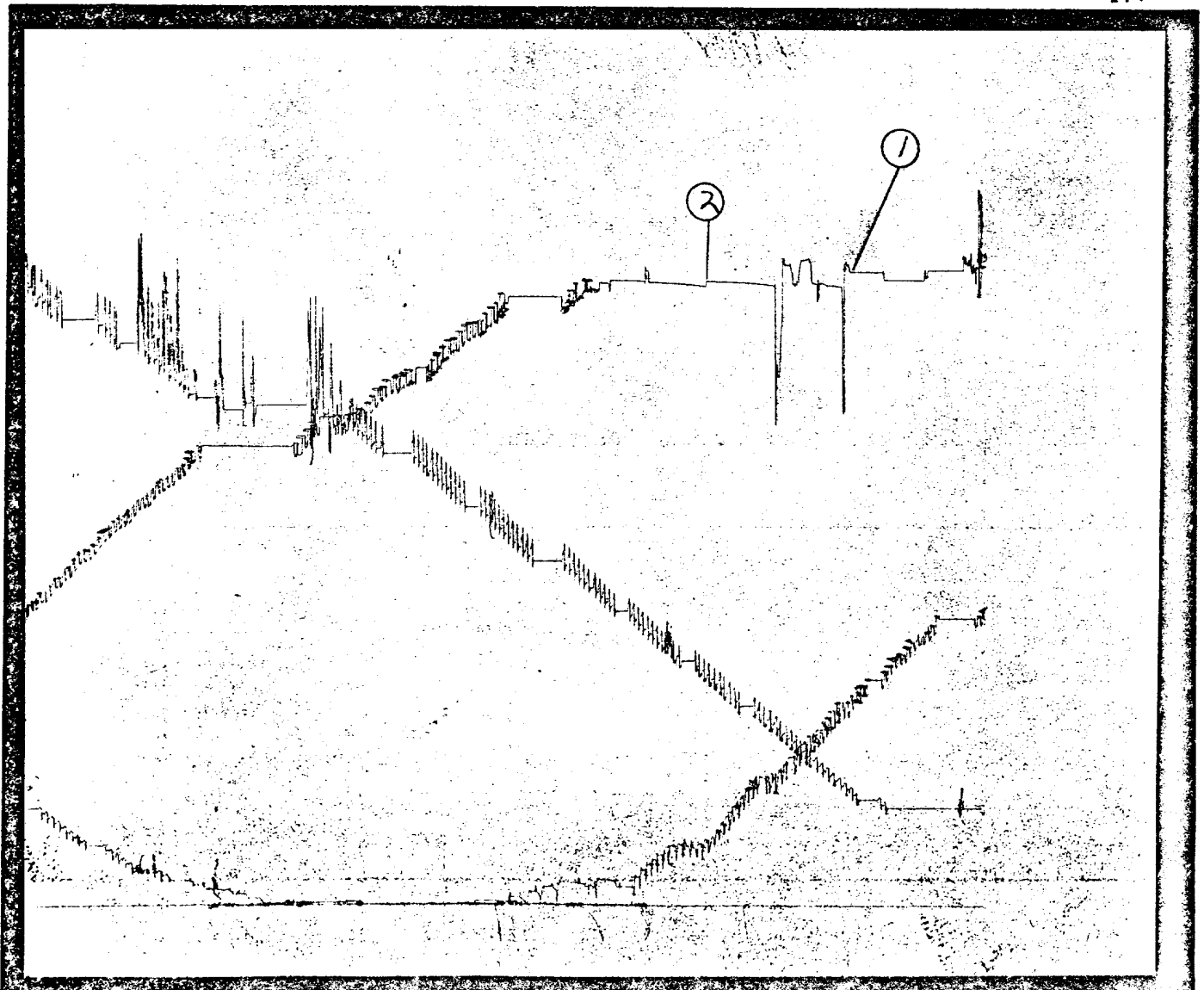
BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: T-411 CAPACITY (P.S.I.): 10,000# DEPTH 12939 FT.
 PORT OPENING: OUTSIDE BOTTOM HOLE TEMP.: 176°F. FIELD REPORT NO. 05860 D

DESCRIPTION	LABELED POINTS	PRESSURE (P.S.I.)	GIVEN TIME	COMPUTED TIME
INITIAL HYDROSTATIC MUD	1	7450.1		
INITIAL FLOW (1)				
INITIAL FLOW (2)				
INITIAL SHUT-IN				
SECOND FLOW (1)				
SECOND FLOW (2)				
SECOND SHUT-IN				
FINAL FLOW (1)				
FINAL FLOW (2)				
FINAL SHUT-IN				
FINAL HYDROSTATIC MUD	2	7332.4		

REMARKS: UNSUCCESSFUL TEST; BELOW STRADDLE.

17+



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JAN 18 1978

OIL CONSERVATION COMM.
HOBBS, N. M.