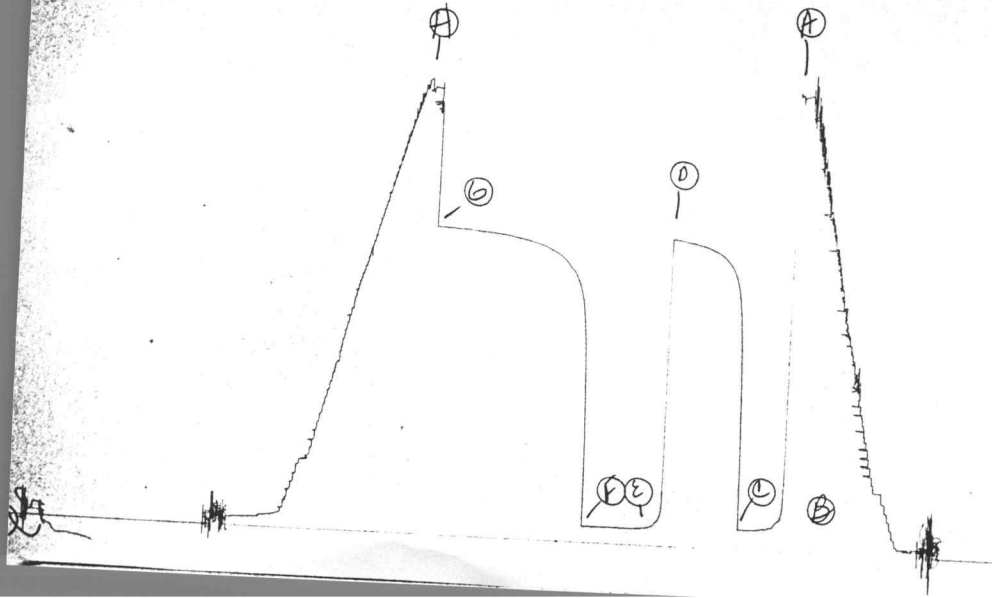


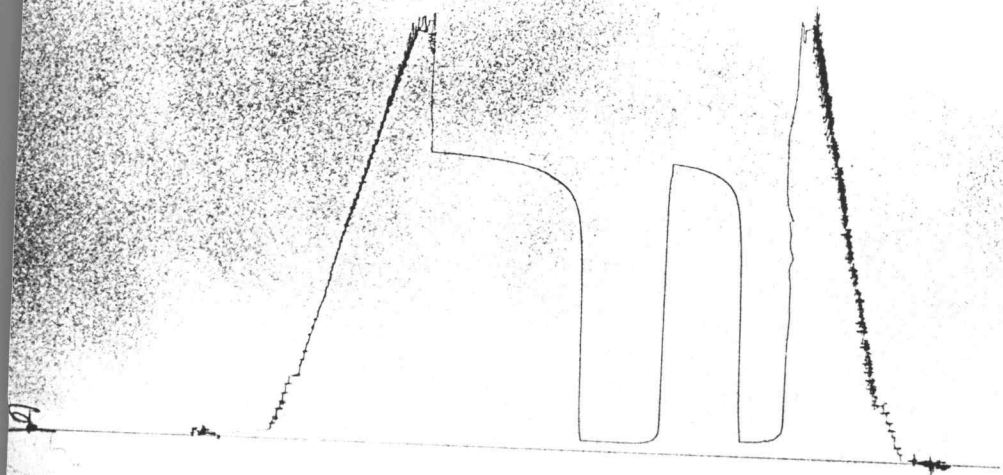
Kt # 14624

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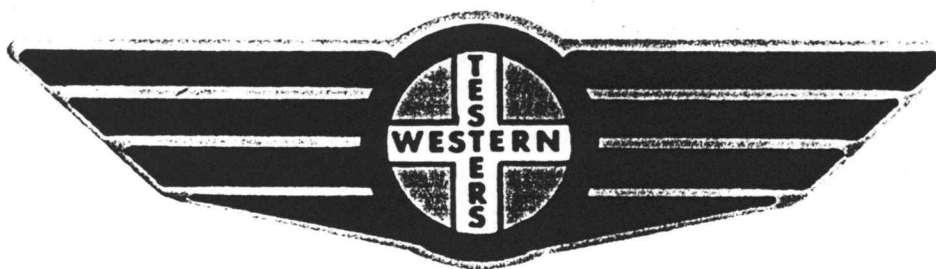


RT # 14624
0

6



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	12-06-88	TICKET	:	14624
CUSTOMER	:	SHEPLER & THOMAS INC.	LEASE	:	STOLL
WELL	:	#2-30 TEST: 1	GEOLOGIST	:	McGRIFF
ELEVATION	:	2792 KB	FORMATION	:	MARMATON
SECTION	:	30	TOWNSHIP	:	32S
RANGE	:	31W	STATE	:	KANSAS
Gauge SN#	:	13552	CLOCK	:	12
		COUNTY :	SEWARD		
		RANGE :	4050		

INTERVAL FROM	:	4987	TO	:	5004	TOTAL DEPTH	:	5004
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4982	SIZE	:	6.63			
PACKER DEPTH	:	4987	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	GABBERT & JONES	RIG 3		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	47
WEIGHT	:	8.8	WATER LOSS (CC)	:	9.6
CHLORIDES (PPM)	:	1800			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	
DID WELL FLOW ?	:	YES	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	630	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4325	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	32	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	17	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5 FH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT BOTH FLOW PERIODS.
BLOW COMMENT #2 : GAS TO SURFACE IN 8 MINUTES ON THE INITIAL FLOW.
BLOW COMMENT #3 : SEE ATTACHED FLOW CHART.
BLOW COMMENT #4 :

RECOVERED : 40 FT OF: OIL & GAS CUT MUD
(50% OIL)(10% GAS)

Total Barrels Fluid = 0.20
Total Fluid Prod Rate = 3.15 BFPD
Indicated Oil Rate = 1.57 BOPD
Indicated Wtr Rate = 0.01 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 7:00 PM TIME STARTED OFF BOTTOM : 11:30 PM
WELL TEMPERATURE : 116
INITIAL HYDROSTATIC PRESSURE (A) 2406
INITIAL FLOW PERIOD MIN: 30 (B) 107 PSI TO (C) : 107
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1628
FINAL FLOW PERIOD MIN: 60 (E) 88 PSI TO (F) : 88
FINAL CLOSED IN PERIOD MIN: 117 (G) 1638
FINAL HYDROSTATIC PRESSURE (H) 2396

GAS FLOW REPORT

Date : 12-06-88 Ticket # : 14624
 Customer : SHEPLER & THOMAS INC. Lease : STOLL
 Well : #2-30 Test : 1 Geologist : McGRIFF
 Elevation (KB) : 2792 Formation : MARMATON
 Section : 30 Township : 32S
 Range : 31W County : SEWARD State : KANSAS
 Gauge SN # : 13552 Range : 4050 Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW

=====

10	MERLA	3/4"	18" of WTR	60200 CFPD
20			20	63500 CFPD
30			22	66600 CFPD

SECOND FLOW

=====

05	MERLA	3/4"	50" of WTR	100000 CFPD
10			40	89800 CFPD
20			36	85200 CFPD
30			36	85200 CFPD
40			36	85200 CFPD
50			36	85200 CFPD
60			36	85200 CFPD

Gas Bottle SN # :
 Date Bottle Filled :
 Date to be Invoiced :

FLUID SAMPLE REPORT

Date : 12-06-88

Ticket No. : 14624

Company : SHEPLER & THOMAS INC.

Well Name & No. : STROLL #2-30

DST No. 1

County : SEWARD

State : KANSAS

Sampler No. : 1

Test Interval : 4987-5004

=====

Pressure in Sampler	45	PSIG	BHT	116	Deg F
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Total Volume of Sampler :	3150	cc
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Total Volume of Sample :	2800	cc
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Oil:	1575	cc
------	------	----

Water:	-	cc
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Mud:	1245	cc
------	------	----

Gas:	1.51	cu ft
------	------	-------

Other:		cc
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RESITIVITY

Drilling Mud	@	F	Chloride Content	ppm
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Mud Pit Sample .07	@	65 F	Chloride Content	1900 ppm
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Gas/Oil Ratio	Gravity	API @	Deg F
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Where was sample drained

Remarks:

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : SHEPLER & THOMAS INC.
RIG : SEWARD-KANSAS
FIELD : STOLL
WELL : #2-30
DATE : 12-06-88
GAUGE NO : 13552

OPERATIONAL COMMENTS

COMPANY : SHEPLER & THOMAS INC.
WELL : #2-30
GAUGE # : 13552
DATE : 6/12/88

FIELD : STOLL
JOB # : 14624
DEPTH : 5004
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW					
2	7: 0: 0	0.000	107.000	116.00	0.000
3	7: 4:59	0.083	107.000	116.00	0.000
4	7:10: 0	0.167	107.000	116.00	0.000
5	7:15: 0	0.250	107.000	116.00	0.000
6	7:19:59	0.333	107.000	116.00	0.000
7	7:25: 0	0.417	107.000	116.00	0.000
8	7:30: 0	0.500	107.000	116.00	0.000
INITIAL SHUT-IN					
9	7:33: 0	0.550	734.000	116.00	627.000
10	7:36: 0	0.600	1145.000	116.00	411.000
11	7:39: 0	0.650	1346.000	116.00	201.000
12	7:42: 0	0.700	1437.000	116.00	91.000
13	7:45: 0	0.750	1485.000	116.00	48.000
14	7:48: 0	0.800	1514.000	116.00	29.000
15	7:51: 0	0.850	1537.000	116.00	23.000
16	7:54: 0	0.900	1554.000	116.00	17.000
17	7:57: 0	0.950	1568.000	116.00	14.000
18	8: 0: 0	1.000	1578.000	116.00	10.000
19	8: 2:59	1.050	1588.000	116.00	10.000
20	8: 6: 0	1.100	1594.000	116.00	6.000
21	8: 9: 0	1.150	1601.000	116.00	7.000
22	8:12: 0	1.200	1606.000	116.00	5.000
23	8:15: 0	1.250	1611.000	116.00	5.000
24	8:18: 0	1.300	1614.000	116.00	3.000
25	8:21: 0	1.350	1618.000	116.00	4.000
26	8:24: 0	1.400	1622.000	116.00	4.000
27	8:27: 0	1.450	1626.000	116.00	4.000
28	8:30: 0	1.500	1628.000	116.00	2.000
FINAL FLOW					
29	8:31: 0	1.517	88.000	116.00	-1540.000
30	8:34:59	1.583	88.000	116.00	0.000
31	8:40: 0	1.667	88.000	116.00	0.000
32	8:45: 0	1.750	88.000	116.00	0.000
33	8:49:59	1.833	88.000	116.00	0.000
34	8:55: 0	1.917	88.000	116.00	0.000
35	9: 0: 0	2.000	88.000	116.00	0.000
36	9: 4:59	2.083	88.000	116.00	0.000
37	9:10: 0	2.167	88.000	116.00	0.000
38	9:15: 0	2.250	88.000	116.00	0.000
39	9:19:59	2.333	88.000	116.00	0.000
40	9:25: 0	2.417	88.000	116.00	0.000
41	9:30: 0	2.500	88.000	116.00	0.000
FINAL SHUT-IN					
42	9:33: 0	2.550	892.000	116.00	804.000
43	9:36: 0	2.600	1184.000	116.00	292.000
44	9:39: 0	2.650	1315.000	116.00	131.000
45	9:42: 0	2.700	1382.000	116.00	67.000
46	9:45: 0	2.750	1425.000	116.00	43.000
47	9:48: 0	2.800	1451.000	116.00	26.000
48	9:51: 0	2.850	1479.000	116.00	28.000

COMPANY : SHEPLER & THOMAS INC.
WELL : #2-30
GAUGE # : 13552
DATE : 6/12/88

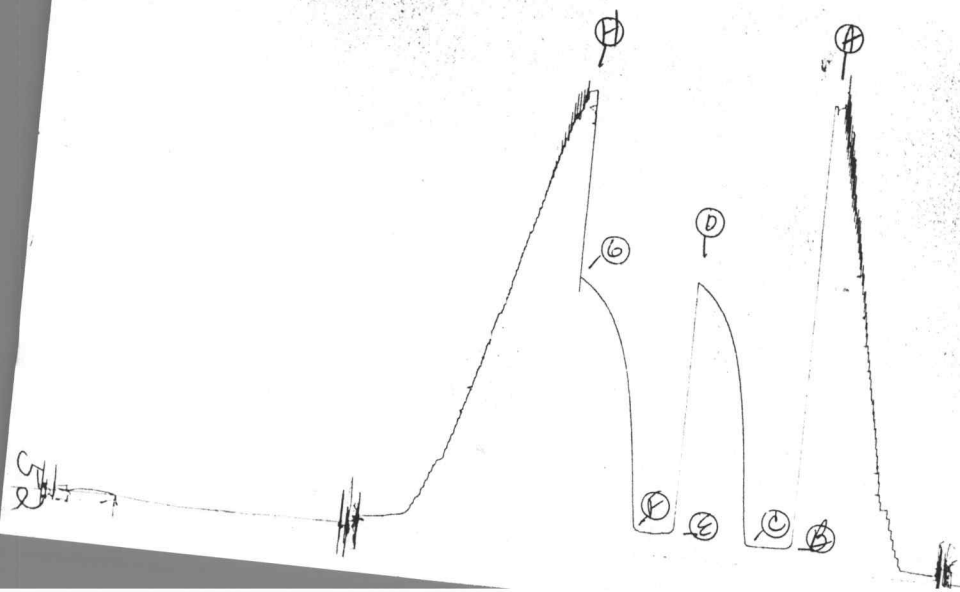
FIELD : STOLL
JOB # : 14624
DEPTH : 5004
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	9:54: 0	2.900	1500.000	116.00	21.000
50	9:57: 0	2.950	1518.000	116.00	18.000
51	10: 0: 0	3.000	1532.000	116.00	14.000
52	10: 3: 0	3.050	1542.000	116.00	10.000
53	10: 6: 0	3.100	1552.000	116.00	10.000
54	10: 9: 0	3.150	1562.000	116.00	10.000
55	10:12: 0	3.200	1570.000	116.00	8.000
56	10:15: 0	3.250	1576.000	116.00	6.000
57	10:18: 0	3.300	1582.000	116.00	6.000
58	10:21: 0	3.350	1588.000	116.00	6.000
59	10:24: 0	3.400	1592.000	116.00	4.000
60	10:27: 0	3.450	1596.000	116.00	4.000
61	10:30: 0	3.500	1600.000	116.00	4.000
62	10:33: 0	3.550	1606.000	116.00	6.000
63	10:36: 0	3.600	1610.000	116.00	4.000
64	10:39: 0	3.650	1613.000	116.00	3.000
65	10:42: 0	3.700	1615.000	116.00	2.000
66	10:45: 0	3.750	1617.000	116.00	2.000
67	10:48: 0	3.800	1619.000	116.00	2.000
68	10:51: 0	3.850	1621.000	116.00	2.000
69	10:54: 0	3.900	1623.000	116.00	2.000
70	10:57: 0	3.950	1625.000	116.00	2.000
71	11: 0: 0	4.000	1627.000	116.00	2.000
72	11: 3: 0	4.050	1629.000	116.00	2.000
73	11: 6: 0	4.100	1630.000	116.00	1.000
74	11: 9: 0	4.150	1632.000	116.00	2.000
75	11:11:59	4.200	1633.000	116.00	1.000
76	11:15: 0	4.250	1634.000	116.00	1.000
77	11:18: 0	4.300	1635.000	116.00	1.000
78	11:21: 0	4.350	1636.000	116.00	1.000
79	11:24: 0	4.400	1637.000	116.00	1.000
80	11:27: 0	4.450	1638.000	116.00	1.000

WESTERN TESTING CO. INC.

TKT # 14625

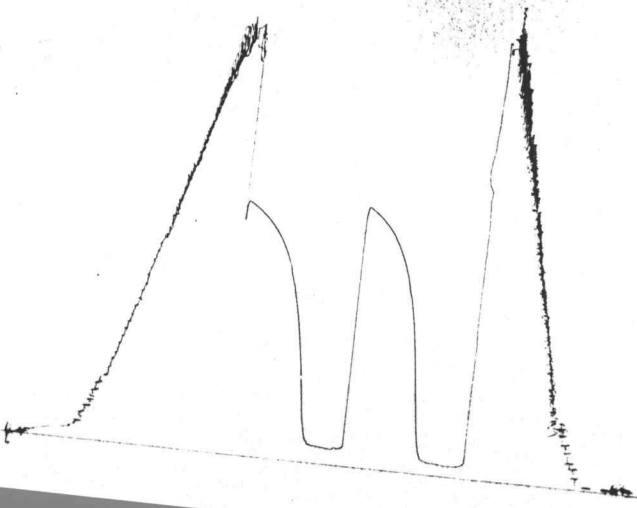
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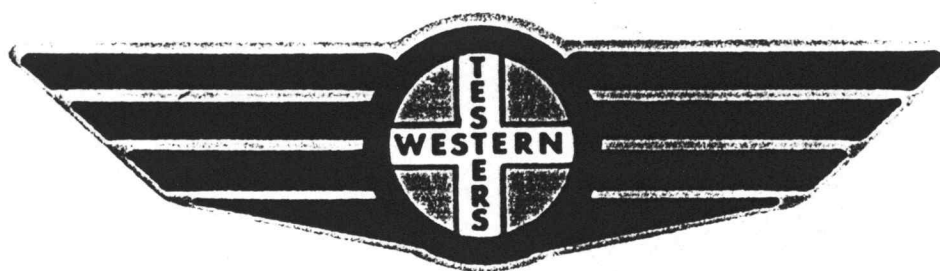
TKT # 14625



10



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY SHEPLER & THOMAS, INC.

LEASE & WELL NO.

STOLL #2-30

SEC. 30 TWP. 32S RGE. 31W TEST NO.

2 DATE

12-7-88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	12-07-88	TICKET	:	14625
CUSTOMER	:	SHEPLER & THOMAS INC.	LEASE	:	STOLL
WELL	:	#2-30 TEST: 2	GEOLOGIST	:	McGRIFF
ELEVATION	:	2792 KB	FORMATION	:	LOWER MARNATON
SECTION	:	30	TOWNSHIP	:	32S
RANGE	:	31W	STATE	:	KANSAS
GAUGE SN#	:	13552	CLOCK	:	12
		COUNTY :	SEWARD		
		RANGE :	4050		

INTERVAL FROM	:	5048	TO	:	5095	TOTAL DEPTH	:	5095
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	5043	SIZE	:	6.63			
PACKER DEPTH	:	5048	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	GABBERT & JONES	RIG 3		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	41
WEIGHT	:	8.9	WATER LOSS (CC)	:	9.8
CHLORIDES (PPM)	:	2000			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	630	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4386	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	32	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	47	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5 FH

BLOW COMMENT #1 : WEAK BLOW DIED IN 15 MINUTES ON THE INITIAL FLOW.
BLOW COMMENT #2 : NO BLOW ON THE FINAL FLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 30 FT OF: DRILLING MUD

Total Barrels Fluid = 0.15
Total Fluid Prod Rate = 3.54 BFPD
Indicated Wtr Rate = 0.04 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 4:45 PM

TIME STARTED OFF BOTTOM : 7:45 PM

WELL TEMPERATURE : 117

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 57

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 60

FINAL HYDROSTATIC PRESSURE

(A) 2459

(B) 105 PSI TO (C) : 105

(D) 1466

(E) 122 PSI TO (F) : 130

(G) 1434

(H) 2423

FLUID SAMPLE REPORT

Date : 12-07-88

Ticket No. : 14625

Company : SHEPLER & THOMAS INC.

Well Name & No. : STOLL #2-30

DST No. 2

County : SEWARD

State : KANSAS

Sampler No. : 1

Test Interval : 5048-5095

=====

Pressure in Sampler	20	PSIG	BHT	117	Deg F
---------------------	----	------	-----	-----	-------

Total Volume of Sampler :	3150	cc
---------------------------	------	----

Total Volume of Sample :	3000	cc
--------------------------	------	----

Oil:	cc
------	----

Water:	cc
--------	----

Mud: 3000	cc
-----------	----

Gas: .65	cu ft
----------	-------

Other:	cc
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RESITIVITY

Drilling Mud	@	F	Chloride Content	ppm
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Mud Pit Sample .06	@	60 F	Chloride Content	1800 ppm
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Gas/Oil Ratio	Gravity	API @	Deg F
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Where was sample drained

Remarks:

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : SHEPLER & THOMAS INC.
RIG : SEWARD-KANSAS
FIELD : STOLL
WELL : #2-30
DATE : 12-07-88
GAUGE NO : 13552

OPERATIONAL COMMENTS

COMPANY : SHEPLER & THOMAS INC.
WELL : #2-30
GAUGE # : 13552
DATE : 7/12/88

FIELD : STOLL
JOB # : 14625
DEPTH : 5095
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW					
2	4:45: 0	0.000	105.000	117.00	0.000
3	4:49:59	0.083	105.000	117.00	0.000
4	4:55: 0	0.167	105.000	117.00	0.000
5	5: 0: 0	0.250	105.000	117.00	0.000
6	5: 4:59	0.333	105.000	117.00	0.000
7	5:10: 0	0.417	105.000	117.00	0.000
8	5:15: 0	0.500	105.000	117.00	0.000
INITIAL SHUT-IN					
9	5:18: 0	0.550	152.000	117.00	47.000
10	5:21: 0	0.600	325.000	117.00	173.000
11	5:24: 0	0.650	512.000	117.00	187.000
12	5:27: 0	0.700	688.000	117.00	176.000
13	5:30: 0	0.750	820.000	117.00	132.000
14	5:33: 0	0.800	932.000	117.00	112.000
15	5:36: 0	0.850	1028.000	117.00	96.000
16	5:39: 0	0.900	1101.000	117.00	73.000
17	5:42: 0	0.950	1165.000	117.00	64.000
18	5:45: 0	1.000	1221.000	117.00	56.000
19	5:48: 0	1.050	1265.000	117.00	44.000
20	5:51: 0	1.100	1305.000	117.00	40.000
21	5:54: 0	1.150	1338.000	117.00	33.000
22	5:57: 0	1.200	1366.000	117.00	28.000
23	6: 0: 0	1.250	1392.000	117.00	26.000
24	6: 3: 0	1.300	1414.000	117.00	22.000
25	6: 6: 0	1.350	1431.000	117.00	17.000
26	6: 9: 0	1.400	1451.000	117.00	20.000
27	6:12: 0	1.450	1466.000	117.00	15.000
FINAL FLOW					
28	6:13: 0	1.467	122.000	117.00	-1344.000
29	6:16:59	1.533	122.000	117.00	0.000
30	6:22: 0	1.617	122.000	117.00	0.000
31	6:27: 0	1.700	122.000	117.00	0.000
32	6:31:59	1.783	122.000	117.00	0.000
33	6:37: 0	1.867	122.000	117.00	0.000
34	6:42: 0	1.950	130.000	117.00	8.000
FINAL SHUT-IN					
35	6:45: 0	2.000	237.000	117.00	107.000
36	6:48: 0	2.050	400.000	117.00	163.000
37	6:51: 0	2.100	558.000	117.00	158.000
38	6:54: 0	2.150	698.000	117.00	140.000
39	6:57: 0	2.200	821.000	117.00	123.000
40	7: 0: 0	2.250	928.000	117.00	107.000
41	7: 3: 0	2.300	1008.000	117.00	80.000
42	7: 6: 0	2.350	1072.000	117.00	64.000
43	7: 9: 0	2.400	1131.000	117.00	59.000
44	7:12: 0	2.450	1184.000	117.00	53.000
45	7:15: 0	2.500	1229.000	117.00	45.000
46	7:18: 0	2.550	1265.000	117.00	36.000
47	7:21: 0	2.600	1295.000	117.00	30.000
48	7:24: 0	2.650	1323.000	117.00	28.000

COMPANY : SHEPLER & THOMAS INC.
WELL : #2-30
GAUGE # : 13552
DATE : 7/12/88

FIELD : STOLL
JOB # : 14625
DEPTH : 5095
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P $P_i - P(i-1)$
49	7:27: 0	2.700	1346.000	117.00	23.000
50	7:30: 0	2.750	1370.000	117.00	24.000
51	7:33: 0	2.800	1387.000	117.00	17.000
52	7:36: 0	2.850	1403.000	117.00	16.000
53	7:39: 0	2.900	1419.000	117.00	16.000
54	7:42: 0	2.950	1434.000	117.00	15.000

WESTERN TESTING CO. INC.