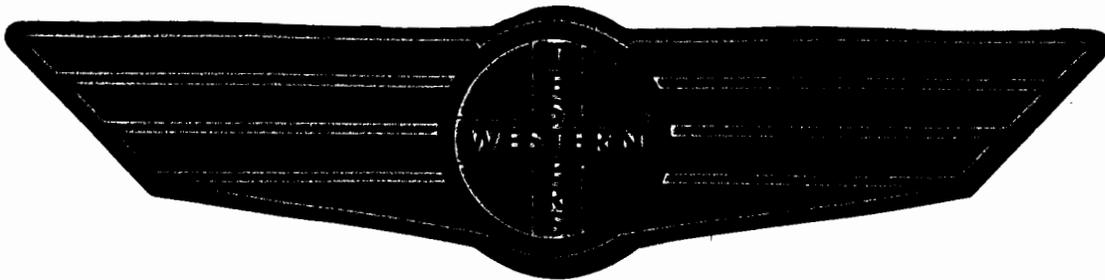


# FORMATION TEST REPORT

**KCC**

FEB 6 1997



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY OIL PRODUCERS, INC. OF KS. LEASE & WELL NO. SHADOW #1 SEC. 34 TWP. 18S RGE. 20W TEST NO. 1 DATE 02/09/92

15-165-21597

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 2-9-92 TICKET : 18884  
CUSTOMER : OIL PRODUCERS INC. OF KANSAS LEASE : SHADOW  
WELL : 1 TEST: 1 GEOLOGIST : SHEPHERD  
ELEVATION : 2148 GL FORMATION : CHEROKEE SAND  
SECTION : 34 TOWNSHIP : 18S  
RANGE : 20W COUNTY : RUSH STATE : KANSAS  
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 4105 TO : 4143 TOTAL DEPTH : 4143  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4100 SIZE : 6.63  
PACKER DEPTH : 4105 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : MALLARD DRILLING RIG 1  
MUD TYPE : CHEMICAL VISCOSITY : 45  
WEIGHT : 9.4 WATER LOSS (CC) : 11.6  
CHLORIDES (PPM) : 7000  
JARS-MAKE : W.T.C. SERIAL NUMBER : 422  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 300 FT I.D. inch : 2.20  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 3778 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 27 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 38 FT ANCHOR SIZE : 5.50  
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75  
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5FH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK BUILDING TO A STRONG  
BLOW COMMENT #2 : BLOW IN 24 MINUTES.  
BLOW COMMENT #3 : FINAL FLOW PERIOD WEAK BUILDING TO A FAIR BLOW  
BLOW COMMENT #4 : 1/2 INCH TO 4 INCH BLOW.

RECOVERED : 80 FT OF: MUDDY WATER W/SHOW OF OIL  
RECOVERED : 0 FT OF: 40%MUD;60%WATER  
RECOVERED : 360 FT OF: WATER  
RECOVERED : 0 FT OF: CHLORIDES 37000 P.P.M.

Total Barrels Fluid = 3.37  
Total Fluid Prod Rate = 80.98 BFPD  
Indicated Wtr Rate = 75.09 BWPD

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

SET PACKER(S) : 6:40 P.M.  
WELL TEMPERATURE : 124

TIME STARTED OFF BOTTOM : 8:25 P.M.

INITIAL HYDROSTATIC PRESSURE		(A)	2064	
INITIAL FLOW PERIOD	MIN:	30	(B)	60 PSI TO (C) : 176
INITIAL CLOSED IN PERIOD	MIN:	15	(D)	435
FINAL FLOW PERIOD	MIN:	30	(E)	211 PSI TO (F) : 244
FINAL CLOSED IN PERIOD	MIN:	30	(G)	456
FINAL HYDROSTATIC PRESSURE			(H)	2044

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report

COMPANY : OIL PRODUCERS INC. OF KANSAS  
RIG : RUSH-KANSAS  
FIELD : SHADOW  
WELL : 1  
DATE : 2-9-92  
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : OIL PRODUCERS INC. OF KANSAS  
 WELL : 1  
 GAUGE # : 10270  
 DATE : 9/ 2/92

FIELD : SHADOW  
 JOB # : 18884  
 DEPTH : 4143  
 TEST :

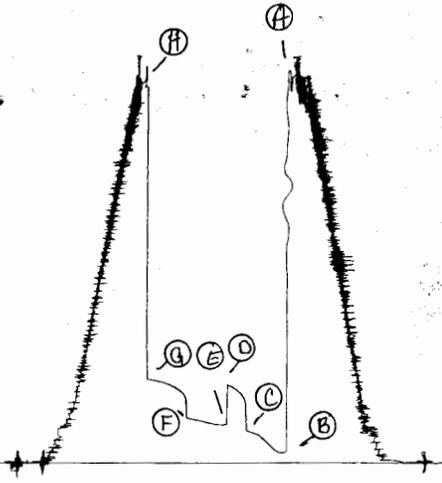
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	6:40: 0	0.000	60.000	124.00	0.000
3	6:44:59	0.083	60.000	124.00	0.000
4	6:50: 0	0.167	78.000	124.00	18.000
5	6:55: 0	0.250	116.000	124.00	38.000
6	6:59:59	0.333	148.000	124.00	32.000
7	7: 5: 0	0.417	166.000	124.00	18.000
8	7:10: 0	0.500	176.000	124.00	10.000
INITIAL SHUT-IN PERIOD					
9	7:13: 0	0.550	366.000	124.00	190.000
10	7:16: 0	0.600	391.000	124.00	25.000
11	7:19: 0	0.650	407.000	124.00	16.000
12	7:22: 0	0.700	419.000	124.00	12.000
13	7:25: 0	0.750	435.000	124.00	16.000
FINAL FLOW PERIOD					
14	7:26: 0	0.767	211.000	124.00	-224.000
15	7:29:59	0.833	211.000	124.00	0.000
16	7:35: 0	0.917	215.000	124.00	4.000
17	7:40: 0	1.000	222.000	124.00	7.000
18	7:44:59	1.083	231.000	124.00	9.000
19	7:50: 0	1.167	240.000	124.00	9.000
20	7:55: 0	1.250	244.000	124.00	4.000
FINAL SHUT-IN PERIOD					
21	7:58: 0	1.300	381.000	124.00	137.000
22	8: 1: 0	1.350	399.000	124.00	18.000
23	8: 4: 0	1.400	414.000	124.00	15.000
24	8: 7: 0	1.450	425.000	124.00	11.000
25	8:10: 0	1.500	434.000	124.00	9.000
26	8:13: 0	1.550	442.000	124.00	8.000
27	8:16: 0	1.600	447.000	124.00	5.000
28	8:19: 0	1.650	451.000	124.00	4.000
29	8:22: 0	1.700	455.000	124.00	4.000
30	8:25: 0	1.750	456.000	124.00	1.000

WESTERN TESTING CO. INC.

TKT 18884

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OST#  
10270

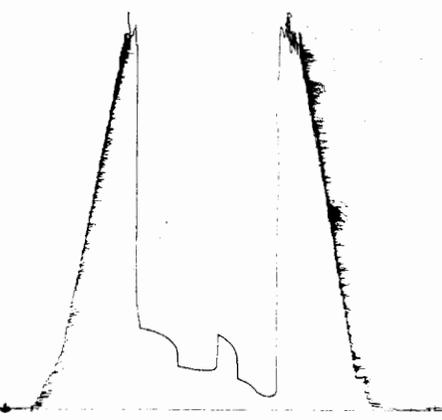


Inside Recorder

TKT 18884

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OST#  
13550



Outside Recorder