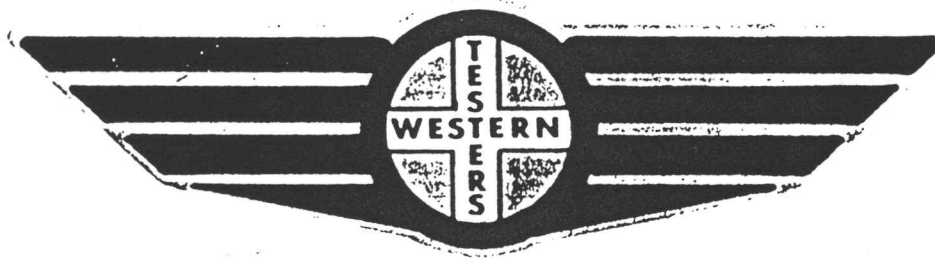


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BLACK PETROLEUM COMPANY LEASE & WELL NO. WHITE TRUST #1 SEC. 28 TWP. 9S RGE. 22W TEST NO. 1 DATE 7/25/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	7-25-87	TICKET	:	12149
CUSTOMER	:	BLACK PETROLEUM COMPANY	LEASE	:	WHITE TRUST
WELL	:	#1 TEST: 1	GEOLOGIST	:	C. CAULK
ELEVATION	:	2385 GL	FORMATION	:	LANSING "A"
SECTION	:	28	TOWNSHIP	:	9S
RANGE	:	22W	STATE	:	KANSAS
GAUGE SN#	:	1566	CLOCK	:	12
		COUNTY :			
		RANGE :			

INTERVAL FROM	:	3640	TO	:	3652	TOTAL DEPTH	:	3652
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3635	SIZE	:	6.75			
PACKER DEPTH	:	3640	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	EMPHASIS	RIG #7		
MUD TYPE	:	STARCH	VISCOSITY	:	44
WEIGHT	:	9.9	WATER LOSS (CC)	:	12
CHLORIDES (PPM)	:	3000			
JARS-MAKE	:	-	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	910	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	2710	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	12	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 XH

BLOW COMMENT #1 : INITIAL FLOW-DEAD IN 1 MINUTE.
BLOW COMMENT #2 : FINAL FLOW-NO BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 2 FT OF: DRILLING MUD

Total Barrels Fluid = 0.01
Total Fluid Prod Rate = 0.68 BFPD
Indicated Wtr Rate = 0.07 BWPD

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

SET PACKER(S) : 9:35 PM

TIME STARTED OFF BOTTOM : 10:35 PM

WELL TEMPERATURE : 112

INITIAL HYDROSTATIC PRESSURE

(A) 1984

INITIAL FLOW PERIOD MIN: 15

(B) 22 PSI TO (C) : 24

INITIAL CLOSED IN PERIOD MIN: 15

(D) 24

FINAL FLOW PERIOD MIN: 15

(E) 24 PSI TO (F) : 24

FINAL CLOSED IN PERIOD MIN: 15

(G) 24

FINAL HYDROSTATIC PRESSURE

(H) 1950

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BLACK PETROLEUM COMPANY
RIG : GRAHAM-KANSAS
FIELD : WHITE TRUST
WELL : #1
DATE : 7-25-87
GAUGE NO : 1566

OPERATIONAL COMMENTS

COMPANY : BLACK PETROLEUM COMPANY
WELL : #1
GAUGE # : 1566
DATE : 25/ 7/87

FIELD : WHITE TRUST
JOB # : 12149
DEPTH : 3652
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P _i -P _(i-1)
1	9:35: 0	0.000	22.000	112.00	0.000
2	9:39:59	0.083	35.000	112.00	13.000
3	9:45: 0	0.167	29.000	112.00	-6.000
4	9:50: 0	0.250	24.000	112.00	-5.000
5	9:53: 0	0.300	24.000	112.00	0.000
6	9:56: 0	0.350	24.000	112.00	0.000
7	9:59: 0	0.400	24.000	112.00	0.000
8	10: 2: 0	0.450	24.000	112.00	0.000
9	10: 5: 0	0.500	24.000	112.00	0.000
10	10: 6: 0	0.517	24.000	112.00	0.000
11	10: 9:59	0.583	24.000	112.00	0.000
12	10:15: 0	0.667	24.000	112.00	0.000
13	10:20: 0	0.750	24.000	112.00	0.000
14	10:23: 0	0.800	24.000	112.00	0.000
15	10:26: 0	0.850	24.000	112.00	0.000
16	10:29: 0	0.900	24.000	112.00	0.000
17	10:32: 0	0.950	24.000	112.00	0.000
18	10:35: 0	1.000	24.000	112.00	0.000

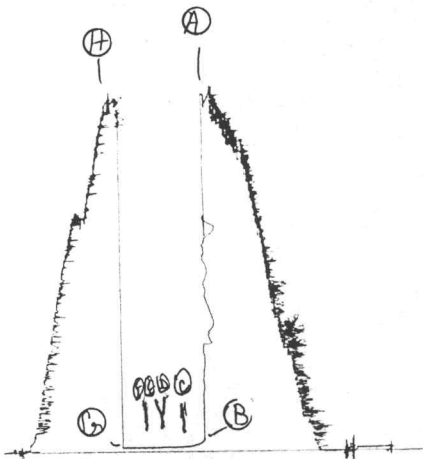
WESTERN TESTING CO. INC.

1566

TK4 12149

Black pt
DST 1

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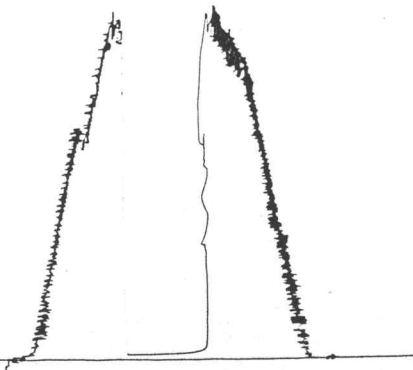


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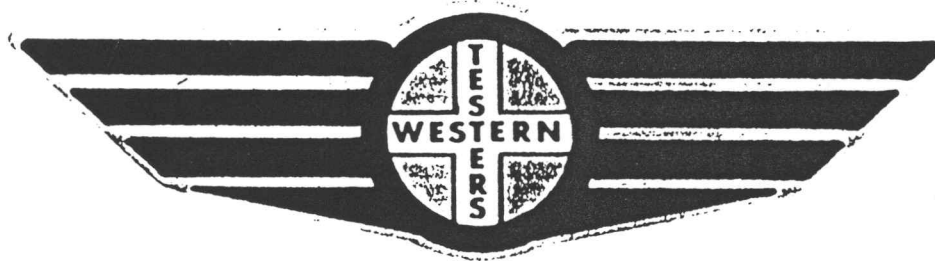
TKT 12149

Black pt.
DST/

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BLACK PETROLEUM COMPANY LEASE & WELL NO. WHITE TRUST #1 SEC. 28 TWP. 9S RGE. 22W TEST NO. 2 DATE 7/27/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	7-27-87	TICKET	:	12150
CUSTOMER	:	BLACK PETROLEUM COMPANY	LEASE	:	WHITE TRUST
WELL	:	#1 TEST: 2	GEOLOGIST	:	C. CAULK
ELEVATION	:	2385 GL	FORMATION	:	LANSING
SECTION	:	28	TOWNSHIP	:	9S
RANGE	:	32W	COUNTY	:	GRAHAM
GAUGE SN#	:	1566	RANGE	:	4300
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3732	TO	:	3742	TOTAL DEPTH	:	3742
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3727	SIZE	:	6.75			
PACKER DEPTH	:	3732	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	EMPHASIS	RIG #7		
MUD TYPE	:	STARCH	VISCOSITY	:	45
WEIGHT	:	9.8	WATER LOSS (CC)	:	9.6
CHLORIDES (PPM)	:	45000			
JARS-MAKE	:	-	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3712	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	10	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 XH

BLOW COMMENT #1 : INITIAL FLOW-WEAK SURFACE BLOW THROUGHOUT.
BLOW COMMENT #2 : FINAL FLOW-NO BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 5 FT OF: WATERY MUD

CHLORIDES: 38000 PPM

Total Barrels Fluid = 0.07
Total Fluid Prod Rate = 2.24 BFPD
Indicated Wtr Rate = 1.12 BWPD

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

SET PACKER(S) : 3:05 AM

TIME STARTED OFF BOTTOM : 4:35 AM

WELL TEMPERATURE : 113

INITIAL HYDROSTATIC PRESSURE

(A) 2112

INITIAL FLOW PERIOD MIN: 30

(B) 43 PSI TO (C) : 33

INITIAL CLOSED IN PERIOD MIN: 27

(D) 108

FINAL FLOW PERIOD MIN: 15

(E) 108 PSI TO (F) : 42

FINAL CLOSED IN PERIOD MIN: 15

(G) 697

FINAL HYDROSTATIC PRESSURE

(H) 2073

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BLACK PETROLEUM COMPANY
RIG : GRAHAM-KANSAS
FIELD : WHITE TRUST
WELL : #1
DATE : 7-27-87
GAUGE NO : 1566

OPERATIONAL COMMENTS

COMPANY : BLACK PETROLEUM COMPANY

WELL : #1

GAUGE # : 1566

DATE : 27/ 7/87

FIELD : WHITE TRUST

JOB # : 12150

DEPTH : 3742

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	3: 5: 0	0.000	43.000	113.00	0.000
2	3: 9:59	0.083	38.000	113.00	-5.000
3	3:15: 0	0.167	35.000	113.00	-3.000
4	3:20: 0	0.250	33.000	113.00	-2.000
5	3:24:59	0.333	33.000	113.00	0.000
6	3:30: 0	0.417	33.000	113.00	0.000
7	3:35: 0	0.500	33.000	113.00	0.000
8	3:38: 0	0.550	33.000	113.00	0.000
9	3:41: 0	0.600	44.000	113.00	11.000
10	3:44: 0	0.650	79.000	113.00	35.000
11	3:47: 0	0.700	95.000	113.00	16.000
12	3:50: 0	0.750	97.000	113.00	2.000
13	3:53: 0	0.800	103.000	113.00	6.000
14	3:56: 0	0.850	105.000	113.00	2.000
15	3:59: 0	0.900	108.000	113.00	3.000
16	4: 2: 0	0.950	108.000	113.00	0.000
17	4: 3: 0	0.967	108.000	113.00	0.000
18	4: 6:59	1.033	61.000	113.00	-47.000
19	4:12: 0	1.117	51.000	113.00	-10.000
20	4:17: 0	1.200	42.000	113.00	-9.000
21	4:20: 0	1.250	246.000	113.00	204.000
22	4:23: 0	1.300	560.000	113.00	314.000
23	4:26: 0	1.350	637.000	113.00	77.000
24	4:29: 0	1.400	673.000	113.00	36.000
25	4:32: 0	1.450	697.000	113.00	24.000

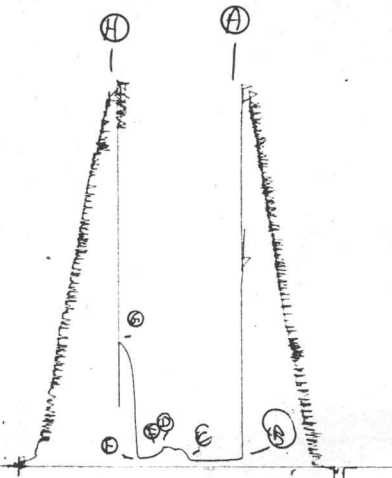
WESTERN TESTING CO. INC.

1566

TK+1250

Black
DST 2

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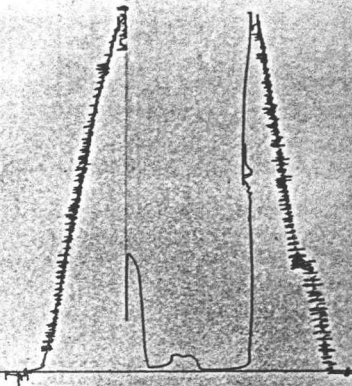


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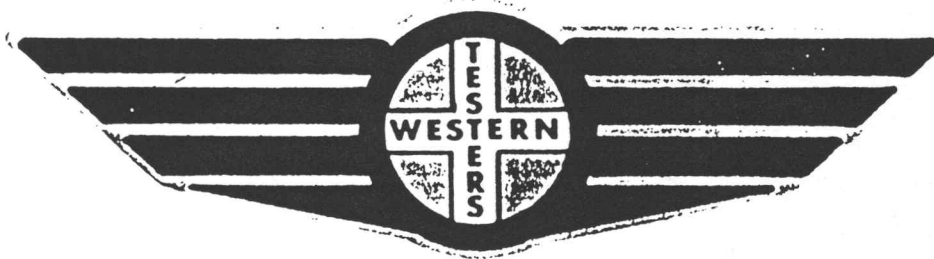
TK+ 12159

Black
DST 2

0



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BLACK PETROLEUM COMPANY LEASE & WELL NO. WHITE TRUST #1 SEC. 28 TWP. 9S RGE. 22W TEST NO. 3 DATE 7/27/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	7-27-87	TICKET	:	11552
CUSTOMER	:	BLACK PETROLEUM COMPANY	LEASE	:	WHITE TRUST
WELL	:	#1	TEST:	:	3
ELEVATION	:	2385 GL	GEOLOGIST	:	C. CAULK
SECTION	:	28	FORMATION	:	LANSING
RANGE	:	22W	COUNTY	:	GRAHAM
Gauge SN#	:	1566	RANGE	:	4300
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3750	TO	:	3804	TOTAL DEPTH	:	3804
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3745	SIZE	:	6.75			
PACKER DEPTH	:	3750	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	EMPHASIS	RIG #7		
MUD TYPE	:	STARCH	VISCOSITY	:	42
WEIGHT	:	10	WATER LOSS (CC)	:	12.8
CHLORIDES (PPM)	:	50000			
JARS-MAKE	:	-	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3730	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	54	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 XH

BLOW COMMENT #1 : INITIAL FLOW-WEAK BLOW-DEAD IN 25 MINUTES.
BLOW COMMENT #2 : FINAL FLOW-NO BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 5 FT OF: DRILLING MUD / WITH FEW SPECKS OF OIL

Total Barrels Fluid = 0.07
Total Fluid Prod Rate = 2.24 BFPD
Indicated Wtr Rate = 0.22 BWPD

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

SET PACKER(S) :	7:35 PM	TIME STARTED OFF BOTTOM :	8:50 PM
WELL TEMPERATURE :	114		
INITIAL HYDROSTATIC PRESSURE		(A)	2122
INITIAL FLOW PERIOD MIN:	30	(B)	45 PSI TO (C) : 45
INITIAL CLOSED IN PERIOD MIN:	15	(D)	47
FINAL FLOW PERIOD MIN:	15	(E)	47 PSI TO (F) : 47
FINAL CLOSED IN PERIOD MIN:	15	(G)	47
FINAL HYDROSTATIC PRESSURE		(H)	2122

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BLACK PETROLEUM COMPANY
RIG : GRAHAM-KANSAS
FIELD : WHITE TRUST
WELL : #1
DATE : 7-27-87
GAUGE NO : 1566

OPERATIONAL COMMENTS

COMPANY : BLACK PETROLEUM COMPANY
WELL : #1
GAUGE # : 1566
DATE : 27/ 7/87

FIELD : WHITE TRUST
JOB # : 11552
DEPTH : 3804
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P _i -P _(i-1)
1	7:35: 0	0.000	45.000	114.00	0.000
2	7:39:59	0.083	45.000	114.00	0.000
3	7:45: 0	0.167	45.000	114.00	0.000
4	7:50: 0	0.250	45.000	114.00	0.000
5	7:54:59	0.333	45.000	114.00	0.000
6	8: 0: 0	0.417	45.000	114.00	0.000
7	8: 5: 0	0.500	45.000	114.00	0.000
8	8: 8: 0	0.550	45.000	114.00	0.000
9	8:11: 0	0.600	45.000	114.00	0.000
10	8:14: 0	0.650	45.000	114.00	0.000
11	8:17: 0	0.700	46.000	114.00	1.000
12	8:20: 0	0.750	47.000	114.00	1.000
13	8:21: 0	0.767	47.000	114.00	0.000
14	8:24:59	0.833	47.000	114.00	0.000
15	8:30: 0	0.917	47.000	114.00	0.000
16	8:35: 0	1.000	47.000	114.00	0.000
17	8:38: 0	1.050	47.000	114.00	0.000
18	8:41: 0	1.100	47.000	114.00	0.000
19	8:44: 0	1.150	47.000	114.00	0.000
20	8:47: 0	1.200	47.000	114.00	0.000
21	8:50: 0	1.250	47.000	114.00	0.000

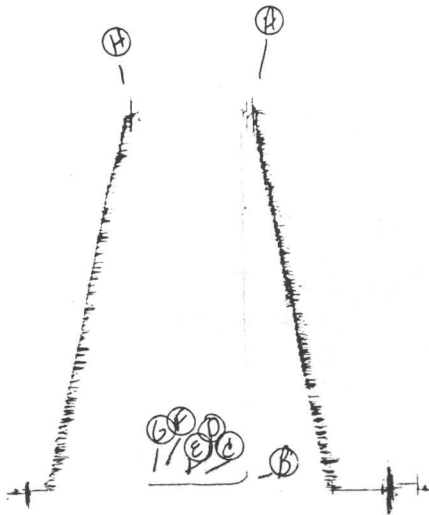
WESTERN TESTING CO. INC.

11/566

Black pt
PST 3

214 # 11552

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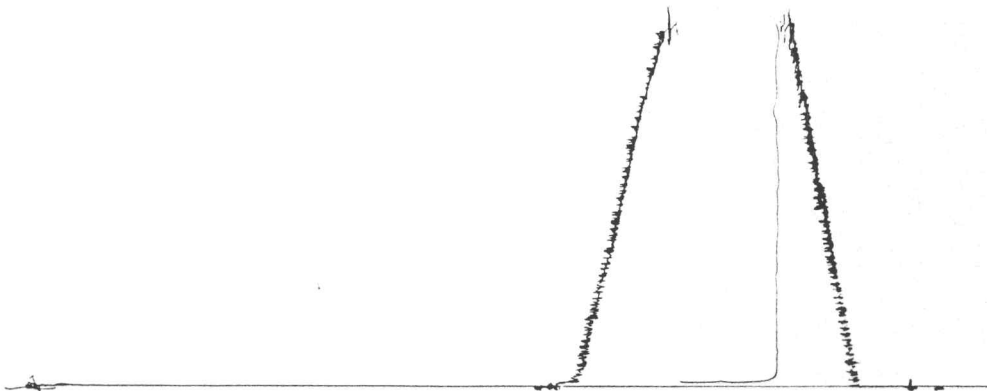
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Black

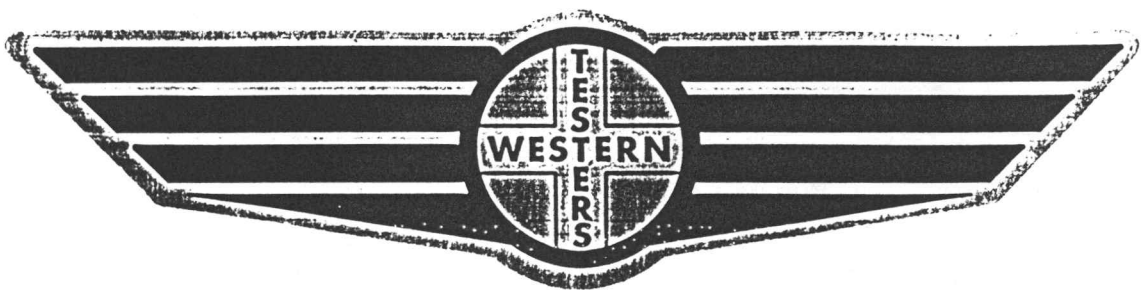
DST 3

OK # 11552

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

BLACK PETROLEUM COMPANY

LEASE & WELL NO.

WHITE TRUST #1

SEC. 28

TWP.

9S RGE.

22W TEST NO.

4

DATE 7-28-87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	7-28-87	TICKET	:	11553	
CUSTOMER	:	BLACK PETROLEUM COMPANY	LEASE	:	WHITE TRUST	
WELL	:	#1	TEST:	:	4	
ELEVATION	:	2385 GL	GEOLOGIST	:	C. CAULK	
SECTION	:	28	FORMATION	:	LANSING	
RANGE	:	22W	TOWNSHIP	:	9S	
GAUGE SN#	:	1566	STATE	:	KANSAS	
		COUNTY :	GRAHAM		CLOCK :	12
		RANGE :	4300			

INTERVAL FROM	:	3798	TO	:	3846	TOTAL DEPTH	:	3846
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3793	SIZE	:	6.75			
PACKER DEPTH	:	3798	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	EMPHASIS	RIG #7		
MUD TYPE	:	STARCH	VISCOSITY	:	44
WEIGHT	:	10	WATER LOSS (CC)	:	11.2
CHLORIDES (PPM)	:	45000			
JARS-MAKE	:	-	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3778	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	48	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 XH

BLOW COMMENT #1	:	INITIAL FLOW-WEAK BLOW-DEAD IN 1 MINUTE.
BLOW COMMENT #2	:	FINAL FLOW-NO BLOW
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 1 FT OF: DRILLING MUD

Total Barrels Fluid = 0.01
Total Fluid Prod Rate = 0.67 BFPD
Indicated Wtr Rate = 0.01 BWPD

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

SET PACKER(S) : 9:50 AM

TIME STARTED OFF BOTTOM : 10:50 AM

WELL TEMPERATURE : 115

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 15

INITIAL CLOSED IN PERIOD MIN: 15

FINAL FLOW PERIOD MIN: 15

FINAL CLOSED IN PERIOD MIN: 15

FINAL HYDROSTATIC PRESSURE

(A) 2088

(B) 47 PSI TO (C) : 47

(D) 47

(E) 47 PSI TO (F) : 47

(G) 47

(H) 2080

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BLACK PETROLEUM COMPANY
RIG : GRAHAM-KANSAS
FIELD : WHITE TRUST
WELL : #1
DATE : 7-28-87
GAUGE NO : 1566

OPERATIONAL COMMENTS

COMPANY : BLACK PETROLEUM COMPANY
WELL : #1
GAUGE # : 1566
DATE : 28/ 7/87

FIELD : WHITE TRUST
JOB # : 11553
DEPTH : 3846
TEST :

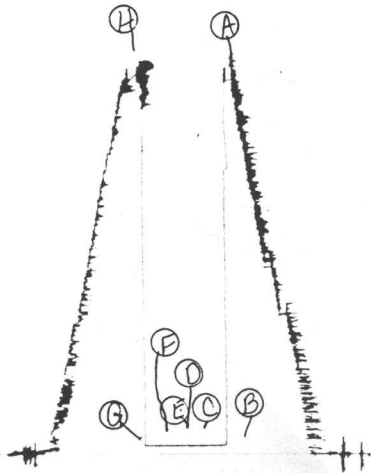
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	9:50: 0	0.000	47.000	115.00	0.000
2	9:54:59	0.083	47.000	115.00	0.000
3	10: 0: 0	0.167	47.000	115.00	0.000
4	10: 5: 0	0.250	47.000	115.00	0.000
5	10: 8: 0	0.300	47.000	115.00	0.000
6	10:11: 0	0.350	47.000	115.00	0.000
7	10:14: 0	0.400	47.000	115.00	0.000
8	10:17: 0	0.450	47.000	115.00	0.000
9	10:20: 0	0.500	47.000	115.00	0.000
10	10:21: 0	0.517	47.000	115.00	0.000
11	10:24:59	0.583	47.000	115.00	0.000
12	10:30: 0	0.667	47.000	115.00	0.000
13	10:35: 0	0.750	47.000	115.00	0.000
14	10:38: 0	0.800	47.000	115.00	0.000
15	10:41: 0	0.850	47.000	115.00	0.000
16	10:44: 0	0.900	47.000	115.00	0.000
17	10:47: 0	0.950	47.000	115.00	0.000
18	10:50: 0	1.000	47.000	115.00	0.000

WESTERN TESTING CO. INC.

7566

Black pet
DST 4

TR# 11553
I.



13629

Black pt.
DST 4

TK# 11553

0.

