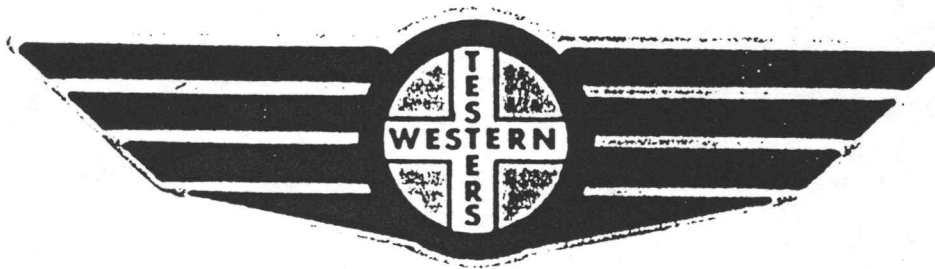


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-10-88	TICKET	:	14378	
CUSTOMER	:	DOUBLE EAGLE EXPLORATION INC.	LEASE	:	McKEE	
WELL	:	#1	TEST:	:	1	
ELEVATION	:	2345 GL	GEOLOGIST	:	R ROBY	
SECTION	:	8	FORMATION	:	MISSISSIPPI	
RANGE	:	21W	TOWNSHIP	:	25S	
Gauge SN#	:	4332	STATE	:	KANSAS	
		COUNTY :	FORD		CLOCK :	12
		RANGE :	4200			

INTERVAL FROM	:	4730	TO	:	4765	TOTAL DEPTH	:	4765
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4725	SIZE	:	6.63			
PACKER DEPTH	:	4730	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RAINS & WILLIAMSON	RIG 2		
MUD TYPE	:	DAPAC	VISCOSITY	:	47
WEIGHT	:	9.2	WATER LOSS (CC)	:	10.0
CHLORIDES (PPM)	:	6000			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	421
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	125	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4577	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	28	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	35	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-VERY WEAK BLOW.
BLOW COMMENT #2 : FINAL FLOW-FEW BUBBLES-FLUSHED TOOL-FEW BUBBLES & DIED.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 20 FT OF: DRILLING MUD

Total Barrels Fluid = 0.10
Total Fluid Prod Rate = 3.15 BFPD
Indicated Wtr Rate = 0.31 BWPD

REMARK 1 : FLUSHED TOOL FINAL FLOW
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 7:20 PM

TIME STARTED OFF BOTTOM : 9:20 PM

WELL TEMPERATURE : 118

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 15

INITIAL CLOSED IN PERIOD MIN: 30

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 45

FINAL HYDROSTATIC PRESSURE

(A) 2425

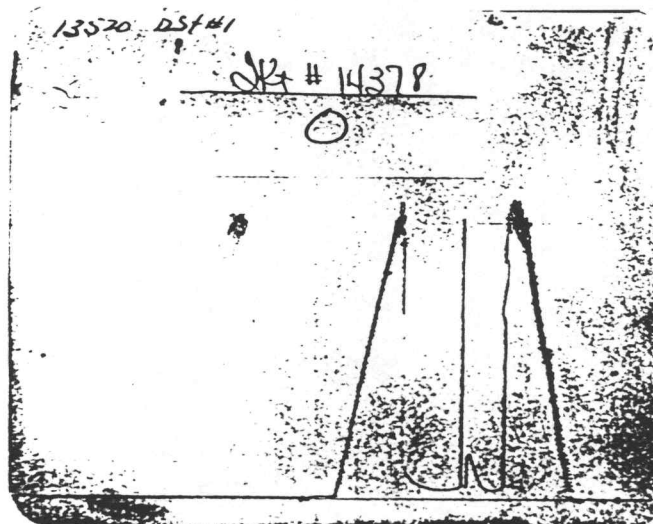
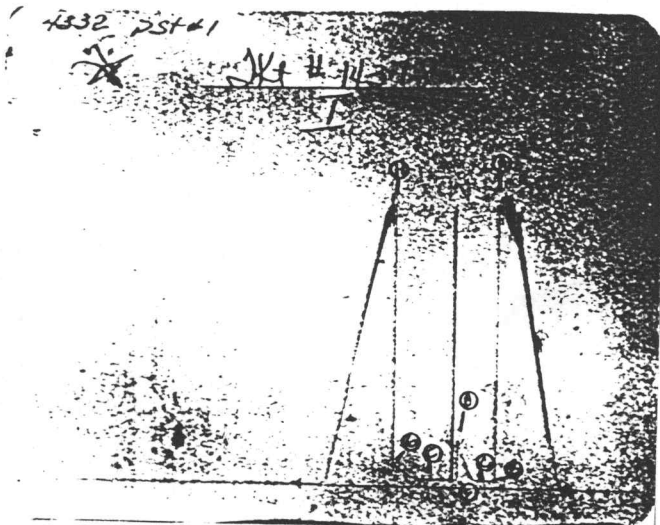
(B) 65 PSI TO (C) : 65

(D) 422

(E) 67 PSI TO (F) : 68

(G) 215

(H) 2397



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : DOUBLE EAGLE EXPLORATION INC.
RIG : FORD-KANSAS
FIELD : McKEE
WELL : #1
DATE : 8-10-88
GAUGE NO : 4332

OPERATIONAL COMMENTS

FLUSHED TOOL FINAL FLOW

COMPANY : DOUBLE EAGLE EXPLORATION INC.
 WELL : #1
 GAUGE # : 4332
 DATE : 10/ 8/88

FIELD : McKEE
 JOB # : 14378
 DEPTH : 4765
 TEST : FLUSHED TOOL FINAL FLOW

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	7:20: 0	0.000	65.000	118.00	0.000
3	7:24:59	0.083	65.000	118.00	0.000
4	7:30: 0	0.167	65.000	118.00	0.000
5	7:35: 0	0.250	65.000	118.00	0.000
INITIAL SHUT-IN					
6	7:38: 0	0.300	65.000	118.00	0.000
7	7:41: 0	0.350	65.000	118.00	0.000
8	7:44: 0	0.400	73.000	118.00	8.000
9	7:47: 0	0.450	94.000	118.00	21.000
10	7:50: 0	0.500	132.000	118.00	38.000
11	7:53: 0	0.550	179.000	118.00	47.000
12	7:56: 0	0.600	240.000	118.00	61.000
13	7:59: 0	0.650	307.000	118.00	67.000
14	8: 2: 0	0.700	374.000	118.00	67.000
15	8: 5: 0	0.750	422.000	118.00	48.000
FINAL FLOW					
16	8: 6: 0	0.767	67.000	118.00	-355.000
17	8: 9:59	0.833	67.000	118.00	0.000
18	8:15: 0	0.917	71.000	118.00	4.000
19	8:20: 0	1.000	70.000	118.00	-1.000
20	8:24:59	1.083	69.000	118.00	-1.000
21	8:30: 0	1.167	68.000	118.00	-1.000
22	8:35: 0	1.250	68.000	118.00	0.000
FINAL SHUT-IN					
23	8:38: 0	1.300	68.000	118.00	0.000
24	8:41: 0	1.350	68.000	118.00	0.000
25	8:44: 0	1.400	68.000	118.00	0.000
26	8:47: 0	1.450	69.000	118.00	1.000
27	8:50: 0	1.500	72.000	118.00	3.000
28	8:53: 0	1.550	77.000	118.00	5.000
29	8:56: 0	1.600	86.000	118.00	9.000
30	8:59: 0	1.650	95.000	118.00	9.000
31	9: 2: 0	1.700	106.000	118.00	11.000
32	9: 5: 0	1.750	121.000	118.00	15.000
33	9: 8: 0	1.800	138.000	118.00	17.000
34	9:11: 0	1.850	151.000	118.00	13.000
35	9:14: 0	1.900	173.000	118.00	22.000
36	9:17: 0	1.950	200.000	118.00	27.000
37	9:20: 0	2.000	215.000	118.00	15.000

WESTERN TESTING CO. INC.

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-11-88	TICKET	:	14379
CUSTOMER	:	DOUBLE EAGLE EXPLORATION INC.	LEASE	:	McKEE
WELL	:	#1	TEST:	:	2
ELEVATION	:	2345 GL	GEOLOGIST	:	R ROBY
SECTION	:	8	FORMATION	:	MISSISSIPPI
RANGE	:	21W	TOWNSHIP	:	25S
GAUGE SN#	:	4332	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
			4200		12

INTERVAL FROM	:	4771	TO	:	4784	TOTAL DEPTH	:	4784
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4766	SIZE	:	6.63			
PACKER DEPTH	:	4771	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RAINS & WILLIAMSON	RIG 2		
MUD TYPE	:	DAPAC	VISCOSITY	:	55
WEIGHT	:	9.2	WATER LOSS (CC)	:	10.0
CHLORIDES (PPM)	:	6000			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	421
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	125	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4618	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	28	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	13	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-VERY WEAK BLOW FOR 17 MINUTES & DIED.
BLOW COMMENT #2	:	FINAL FLOW-FEW BUBBLES.
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 5 FT OF: DRILLING MUD

Total Barrels Fluid = 0.02
Total Fluid Prod Rate = 0.59 BFPD
Indicated Wtr Rate = 0.06 BWPD

REMARK 1 :

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 11:10 AM

WELL TEMPERATURE : 118

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 30

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 33

FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM : 1:10 PM

(A) 2374

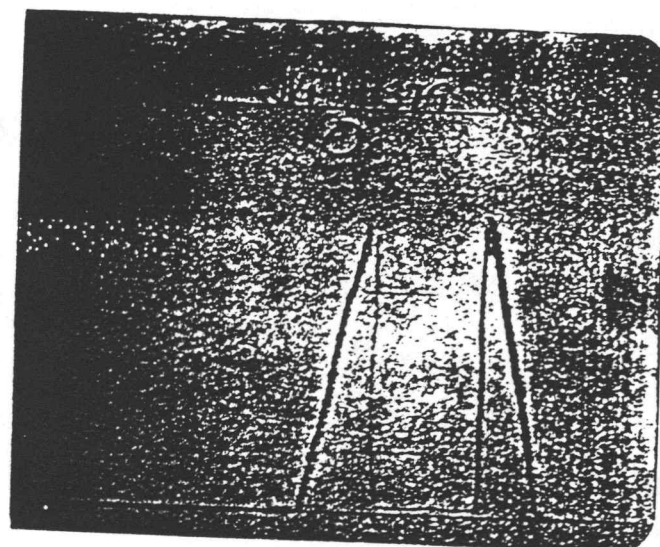
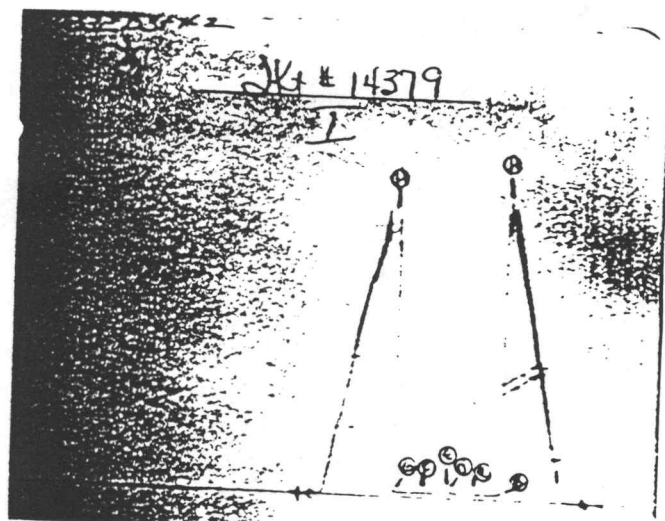
(B) 41 PSI TO (C) : 41

(D) 54

(E) 43 PSI TO (F) : 43

(G) 43

(H) 2306



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : DOUBLE EAGLE EXPLORATION INC.
RIG : FORD-KANSAS
FIELD : McKEE
WELL : #1
DATE : 8-11-88
GAUGE NO : 4332

OPERATIONAL COMMENTS

COMPANY : DOUBLE EAGLE EXPLORATION INC.

FIELD : McKEE

WELL : #1

JOB # : 14379

GAUGE # : 4332

DEPTH : 4784

DATE : 11/ 8/88

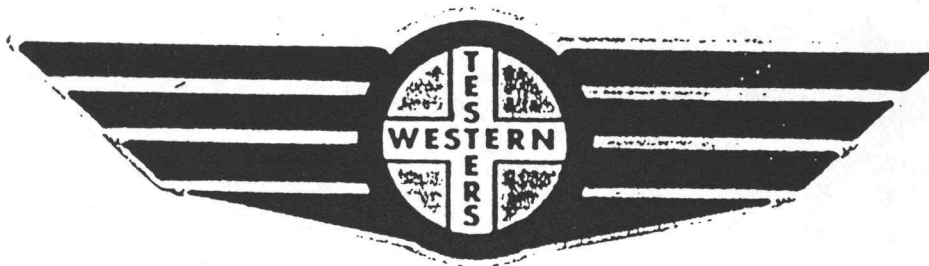
TEST :

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	11:10: 0	0.000	41.000	118.00	0.000
3	11:14:59	0.083	41.000	118.00	0.000
4	11:20: 0	0.167	41.000	118.00	0.000
5	11:25: 0	0.250	41.000	118.00	0.000
6	11:29:59	0.333	41.000	118.00	0.000
7	11:35: 0	0.417	41.000	118.00	0.000
8	11:40: 0	0.500	41.000	118.00	0.000
INITIAL SHUT-IN					
9	11:43: 0	0.550	41.000	118.00	0.000
10	11:46: 0	0.600	41.000	118.00	0.000
11	11:49: 0	0.650	41.000	118.00	0.000
12	11:52: 0	0.700	41.000	118.00	0.000
13	11:55: 0	0.750	41.000	118.00	0.000
14	11:58: 0	0.800	42.000	118.00	1.000
15	12: 1: 0	0.850	43.000	118.00	1.000
16	12: 4: 0	0.900	45.000	118.00	2.000
17	12: 7: 0	0.950	50.000	118.00	5.000
18	12:10: 0	1.000	54.000	118.00	4.000
FINAL FLOW					
19	12:11: 0	1.017	43.000	118.00	-11.000
20	12:14:59	1.083	43.000	118.00	0.000
21	12:20: 0	1.167	43.000	118.00	0.000
22	12:25: 0	1.250	43.000	118.00	0.000
23	12:29:59	1.333	43.000	118.00	0.000
24	12:35: 0	1.417	43.000	118.00	0.000
25	12:40: 0	1.500	43.000	118.00	0.000
FINAL SHUT-IN					
26	12:43: 0	1.550	43.000	118.00	0.000
27	12:46: 0	1.600	43.000	118.00	0.000
28	12:49: 0	1.650	43.000	118.00	0.000
29	12:52: 0	1.700	43.000	118.00	0.000
30	12:55: 0	1.750	43.000	118.00	0.000
31	12:58: 0	1.800	43.000	118.00	0.000
32	13: 1: 0	1.850	43.000	118.00	0.000
33	13: 4: 0	1.900	43.000	118.00	0.000
34	13: 7: 0	1.950	43.000	118.00	0.000
35	13:10: 0	2.000	43.000	118.00	0.000
36	13:13: 0	2.050	43.000	118.00	0.000

WESTERN TESTING CO. INC.

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-11-88	TICKET	:	14380	
CUSTOMER	:	DOUBLE EAGLE EXPLORATION INC.	LEASE	:	McKEE	
WELL	:	#1	TEST:	:	3	
ELEVATION	:	2345 GL	GEOLOGIST	:	R ROBY	
SECTION	:	8	FORMATION	:	MISSISSIPPI	
RANGE	:	21W	TOWNSHIP	:	25S	
GAUGE SN#	:	4332	STATE	:	KANSAS	
		COUNTY :	FORD		CLOCK :	12
		RANGE :	4200			

INTERVAL FROM : 4782 TO : 4795 TOTAL DEPTH : 4795

DEPTH OF SELECTIVE ZONE :

PACKER DEPTH : 4779 SIZE : 6.63

PACKER DEPTH : 4782 SIZE : 6.63

PACKER DEPTH : SIZE :

PACKER DEPTH : SIZE :

DRILLING CON. : RAINS & WILLIAMSON RIG 2

MUD TYPE : DAPAC VISCOSITY : 52

WEIGHT : 9.1 WATER LOSS (CC) : 10.8

CHLORIDES (PPM) : 7000

JARS-MAKE : WTC SERIAL NUMBER : 421

DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 187 FT I.D. inch : 2.25

WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00

DRILL PIPE LENGTH : 4567 FT I.D. inch : 3.80

TEST TOOL LENGTH : 28 FT TOOL SIZE : 5.50

ANCHOR LENGTH : 13 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 TO VERY WEAK BLOW.

BLOW COMMENT #2 : FINAL FLOW-FEW BUBBLES - FLUSHED TOOL

BLOW COMMENT #3 :

BLOW COMMENT #4 :

RECOVERED : 10 FT OF: DRILLING MUD - SLIGHT SHOW OF OIL

Total Barrels Fluid = 0.05
Total Fluid Prod Rate = 1.18 BFPD
Indicated Wtr Rate = 0.12 BWPD

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

SET PACKER(S) : 10:50 PM

TIME STARTED OFF BOTTOM : 1:20 AM

WELL TEMPERATURE : 120

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 42

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 45

FINAL HYDROSTATIC PRESSURE

(A) 2453

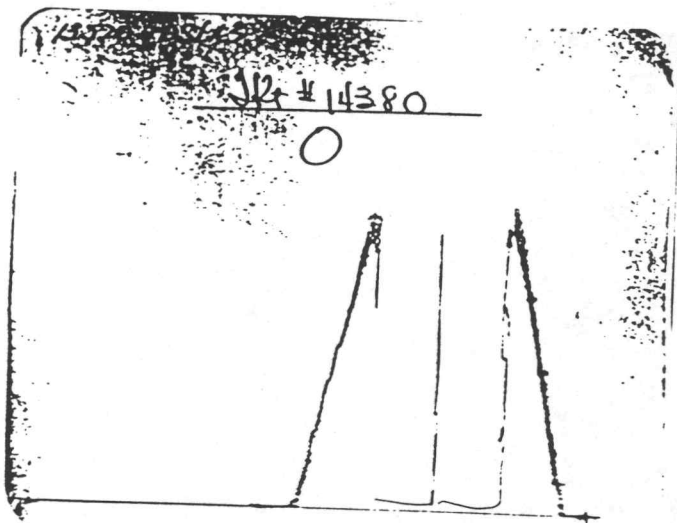
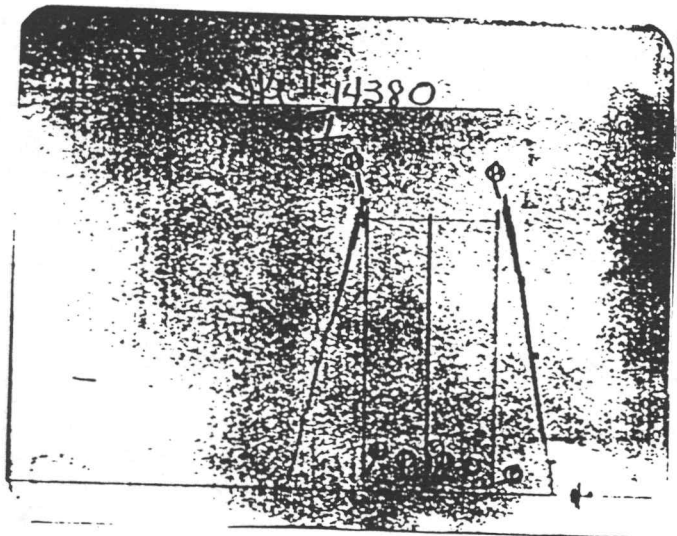
(B) 45 PSI TO (C) : 45

(D) 98

(E) 56 PSI TO (F) : 56

(G) 87

(H) 2382



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : DOUBLE EAGLE EXPLORATION INC.
RIG : FORD-KANSAS
FIELD : McKEE
WELL : #1
DATE : 8-11-88
GAUGE NO : 4332

OPERATIONAL COMMENTS

COMPANY : DOUBLE EAGLE EXPLORATION INC. FIELD : MCKEE
 WELL : #1 JOB # : 14380
 GAUGE # : 4332 DEPTH : 4795
 DATE : 11/ 8/88 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	10:50: 0	0.000	45.000	120.00	0.000
3	10:54:59	0.083	45.000	120.00	0.000
4	11: 0: 0	0.167	45.000	120.00	0.000
5	11: 5: 0	0.250	45.000	120.00	0.000
6	11: 9:59	0.333	45.000	120.00	0.000
7	11:15: 0	0.417	45.000	120.00	0.000
8	11:20: 0	0.500	45.000	120.00	0.000
INITIAL SHUT-IN					
9	11:23: 0	0.550	45.000	120.00	0.000
10	11:26: 0	0.600	45.000	120.00	0.000
11	11:29: 0	0.650	45.000	120.00	0.000
12	11:32: 0	0.700	47.000	120.00	2.000
13	11:35: 0	0.750	53.000	120.00	6.000
14	11:38: 0	0.800	57.000	120.00	4.000
15	11:41: 0	0.850	61.000	120.00	4.000
16	11:44: 0	0.900	68.000	120.00	7.000
17	11:47: 0	0.950	72.000	120.00	4.000
18	11:50: 0	1.000	77.000	120.00	5.000
19	11:53: 0	1.050	82.000	120.00	5.000
20	11:56: 0	1.100	87.000	120.00	5.000
21	11:59: 0	1.150	94.000	120.00	7.000
22	12: 2: 0	1.200	98.000	120.00	4.000
FINAL FLOW * FLUSHED TOOL					
23	12: 3: 0	1.217	56.000	120.00	-42.000
24	12: 6:59	1.283	56.000	120.00	0.000
25	12:12: 0	1.367	57.000	120.00	1.000
26	12:17: 0	1.450	56.000	120.00	-1.000
27	12:21:59	1.533	56.000	120.00	0.000
28	12:27: 0	1.617	56.000	120.00	0.000
29	12:32: 0	1.700	56.000	120.00	0.000
FINAL SHUT-IN					
30	12:35: 0	1.750	56.000	120.00	0.000
31	12:38: 0	1.800	56.000	120.00	0.000
32	12:41: 0	1.850	56.000	120.00	0.000
33	12:44: 0	1.900	56.000	120.00	0.000
34	12:47: 0	1.950	58.000	120.00	2.000
35	12:50: 0	2.000	61.000	120.00	3.000
36	12:53: 0	2.050	63.000	120.00	2.000
37	12:56: 0	2.100	66.000	120.00	3.000
38	12:59: 0	2.150	69.000	120.00	3.000
39	13: 2: 0	2.200	72.000	120.00	3.000
40	13: 5: 0	2.250	75.000	120.00	3.000
41	13: 8: 0	2.300	79.000	120.00	4.000
42	13:11: 0	2.350	82.000	120.00	3.000
43	13:14: 0	2.400	85.000	120.00	3.000
44	13:17: 0	2.450	87.000	120.00	2.000

WESTERN TESTING CO. INC.