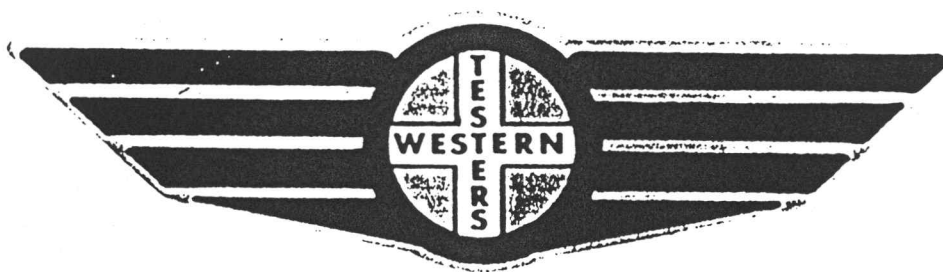


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY FALCON EXPLORATION, INC. LEASE & WELL NO. R & M #3 SEC. 27 TWP. 13S RGE. 30W TEST NO. 1 DATE 6/2/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-2-87 TICKET : 13289
CUSTOMER : FALCON EXPLORATION INC. LEASE : R & M
WELL : #3 TEST: 1 GEOLOGIST : KD PAR??
ELEVATION : 2860 KB FORMATION : PAW-FT SC-MYR S
SECTION : 27 TOWNSHIP : 13S
RANGE : 30W COUNTY : GOVE STATE : KANSAS
GAUGE SN# : 1566 RANGE : 4300 CLOCK : 12

INTERVAL FROM : 4234 TO : 4338 TOTAL DEPTH : 4338
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4229 SIZE : 6.75
PACKER DEPTH : 4234 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : R & C DRLG. RIG #2
MUD TYPE : CHEMICAL VISCOSITY : 45
WEIGHT : 9.6 WATER LOSS (CC) : 8
CHLORIDES (PPM) : 4000(?)
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 : 4212 FT I.D. inch : 3.80
TEST TOOL LENGTH : 22 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 104 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 : INITIAL FLOW-WEAK BLOW BUILDING TO FAIT-6" IN BUCKET
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW-BOTTOM OF BUCKET IN 2 MINUTES
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 60 FT OF: HEAVY OIL & GAS CUT MUD

Total Barrels Fluid = 0.84
Total Fluid Prod Rate = 11.54 BFPD
Indicated Oil Rate = 4.62 BOPD
Indicated Wtr Rate = 0.46 BWPD

REMARK 1 :
REMARK 2 : RECOVERED 300 FEET OF GAS ABOVE FLUID.
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	12:20 PM	TIME STARTED OFF BOTTOM :	4:35 PM
WELL TEMPERATURE :	119		
INITIAL HYDROSTATIC PRESSURE		(A)	2273
INITIAL FLOW PERIOD MIN:	45	(B)	51 PSI TO (C) : 46
INITIAL CLOSED IN PERIOD MIN:	60	(D)	933
FINAL FLOW PERIOD MIN:	60	(E)	52 PSI TO (F) : 52
FINAL CLOSED IN PERIOD MIN:	90	(G)	908
FINAL HYDROSTATIC PRESSURE		(H)	2190

WESTERN TESTING CO., INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : FALCON EXPLORATION INC.
RIG : GOVE-KANSAS
FIELD : R & M
WELL : #3
DATE : 6-2-87
GAUGE NO : 1566

OPERATIONAL COMMENTS

RECOVERED 300 FEET OF GAS ABOVE FLUID.

COMPANY : FALCON EXPLORATION INC.
 WELL : #3
 GAUGE # : 1566
 DATE : 2/ 6/87

FIELD : R & M
 JOB # : 13289
 DEPTH : 4338
 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	12:20: 0	0.000	51.000	119.00	0.000
2	12:24:59	0.083	51.000	119.00	0.000
3	12:30: 0	0.167	51.000	119.00	0.000
4	12:35: 0	0.250	49.000	119.00	-2.000
5	12:39:59	0.333	48.000	119.00	-1.000
6	12:45: 0	0.417	47.000	119.00	-1.000
7	12:50: 0	0.500	46.000	119.00	-1.000
8	12:54:59	0.583	46.000	119.00	0.000
9	13: 0: 0	0.667	46.000	119.00	0.000
10	13: 5: 0	0.750	46.000	119.00	0.000
11	13: 8: 0	0.800	48.000	119.00	2.000
12	13:11: 0	0.850	54.000	119.00	6.000
13	13:14: 0	0.900	66.000	119.00	12.000
14	13:17: 0	0.950	92.000	119.00	26.000
15	13:20: 0	1.000	131.000	119.00	39.000
16	13:23: 0	1.050	196.000	119.00	65.000
17	13:26: 0	1.100	287.000	119.00	91.000
18	13:29: 0	1.150	415.000	119.00	128.000
19	13:32: 0	1.200	534.000	119.00	119.000
20	13:35: 0	1.250	643.000	119.00	109.000
21	13:38: 0	1.300	720.000	119.00	77.000
22	13:41: 0	1.350	776.000	119.00	56.000
23	13:44: 0	1.400	817.000	119.00	41.000
24	13:47: 0	1.450	849.000	119.00	32.000
25	13:50: 0	1.500	873.000	119.00	24.000
26	13:53: 0	1.550	892.000	119.00	19.000
27	13:56: 0	1.600	905.000	119.00	13.000
28	13:59: 0	1.650	918.000	119.00	13.000
29	14: 2: 0	1.700	929.000	119.00	11.000
30	14: 5: 0	1.750	933.000	119.00	4.000
31	14: 6: 0	1.767	52.000	119.00	-881.000
32	14: 9:59	1.833	52.000	119.00	0.000
33	14:15: 0	1.917	52.000	119.00	0.000
34	14:20: 0	2.000	52.000	119.00	0.000
35	14:24:59	2.083	52.000	119.00	0.000
36	14:30: 0	2.167	52.000	119.00	0.000
37	14:35: 0	2.250	52.000	119.00	0.000
38	14:39:59	2.333	52.000	119.00	0.000
39	14:45: 0	2.417	52.000	119.00	0.000
40	14:50: 0	2.500	52.000	119.00	0.000
41	14:54:59	2.583	52.000	119.00	0.000
42	15: 0: 0	2.667	52.000	119.00	0.000
43	15: 5: 0	2.750	52.000	119.00	0.000
44	15: 8: 0	2.800	53.000	119.00	1.000
45	15:11: 0	2.850	59.000	119.00	6.000
46	15:14: 0	2.900	72.000	119.00	13.000
47	15:17: 0	2.950	96.000	119.00	24.000
48	15:20: 0	3.000	130.000	119.00	34.000
49	15:23: 0	3.050	174.000	119.00	44.000
50	15:26: 0	3.100	250.000	119.00	76.000
51	15:29: 0	3.150	345.000	119.00	95.000
52	15:32: 0	3.200	450.000	119.00	105.000

COMPANY : FALCON EXPLORATION INC.
WELL : #3
GAUGE # : 1566
DATE : 2/ 6/87

FIELD : R & M
JOB # : 13289
DEPTH : 4338
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	15:35: 0	3.250	538.000	119.00	88.000
54	15:38: 0	3.300	612.000	119.00	74.000
55	15:41: 0	3.350	669.000	119.00	57.000
56	15:44: 0	3.400	714.000	119.00	45.000
57	15:47: 0	3.450	746.000	119.00	32.000
58	15:50: 0	3.500	772.000	119.00	26.000
59	15:53: 0	3.550	791.000	119.00	19.000
60	15:56: 0	3.600	809.000	119.00	18.000
61	15:59: 0	3.650	821.000	119.00	12.000
62	16: 2: 0	3.700	834.000	119.00	13.000
63	16: 5: 0	3.750	843.000	119.00	9.000
64	16: 8: 0	3.800	853.000	119.00	10.000
65	16:11: 0	3.850	861.000	119.00	8.000
66	16:14: 0	3.900	868.000	119.00	7.000
67	16:17: 0	3.950	876.000	119.00	8.000
68	16:20: 0	4.000	881.000	119.00	5.000
69	16:23: 0	4.050	888.000	119.00	7.000
70	16:26: 0	4.100	894.000	119.00	6.000
71	16:29: 0	4.150	900.000	119.00	6.000
72	16:32: 0	4.200	905.000	119.00	5.000
73	16:35: 0	4.250	908.000	119.00	3.000

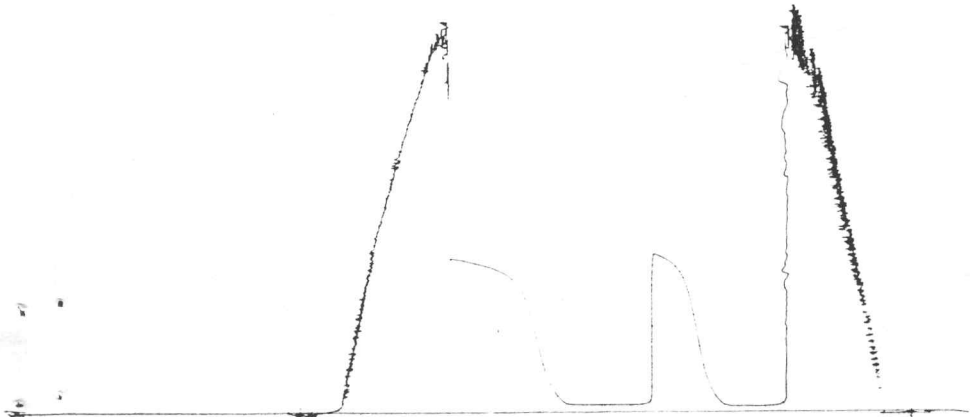
WESTERN TESTING CO. INC.

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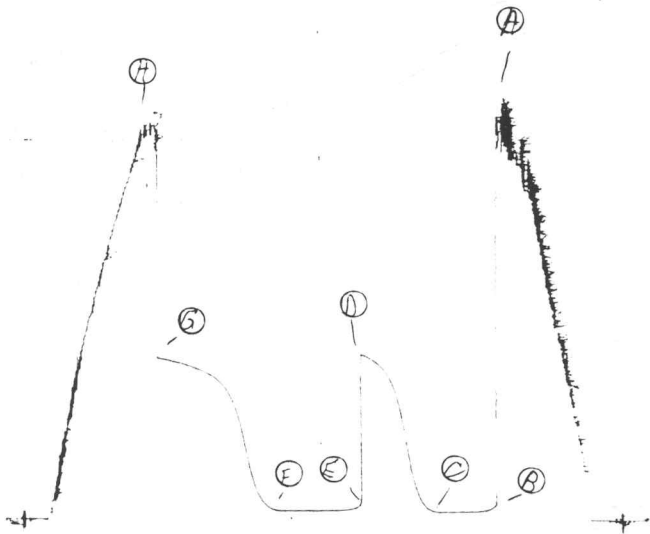


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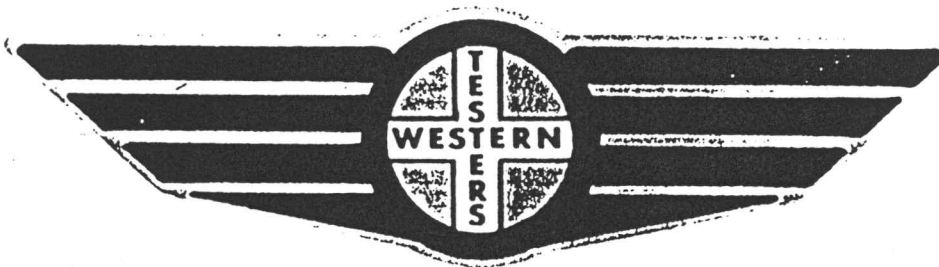
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-3-87 TICKET : 13290
CUSTOMER : FALCON EXPLORATION INC. LEASE : R & M
WELL : #3 TEST: 2 GEOLOGIST : KD PAR??
ELEVATION : 2806 KB FORMATION : MISSISSIPPI
SECTION : 27 TOWNSHIP : 13S
RANGE : 30W COUNTY : GOVE STATE : KANSAS
GAUGE SN# : 1566 RANGE : 4300 CLOCK : 12

INTERVAL FROM : 4397 TO : 4440 TOTAL DEPTH : 4440
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4392 SIZE : 6.75
PACKER DEPTH : 6397 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : R & C DRLG. RIG #2
MUD TYPE : CHEMICAL VISCOSITY : 41
WEIGHT : 9.6 WATER LOSS (CC) : 8
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 : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 4375 FT I.D. inch : 3.80
TEST TOOL LENGTH : 22 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 43 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 : INITIAL FLOW-WEAK BLOW 1" IN BUCKET.
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW-1/2" IN BUCKET.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 15 FT OF: OIL CUT MUD
70% MUD-25% OIL-5% GAS
RECOVERED : 60 FT OF: HEAVY OIL CUT MUD
60% MUD-40% OIL

Total Barrels Fluid = 1.05
Total Fluid Prod Rate = 14.43 BFPD
Indicated Oil Rate = 5.39 BOPD
Indicated Wtr Rate = 0.90 BWPD

REMARK 1 : FLUSHED TOOL TWICE ON
THE FINAL FLOW.

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 11:00 AM TIME STARTED OFF BOTTOM : 1:45 PM
WELL TEMPERATURE : 120
INITIAL HYDROSTATIC PRESSURE (A) 2310
INITIAL FLOW PERIOD MIN: 45 (B) 64 PSI TO (C) : 61
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1131
FINAL FLOW PERIOD MIN: 60 (E) 78 PSI TO (F) : 95
FINAL CLOSED IN PERIOD MIN: 0 (G) 0
FINAL HYDROSTATIC PRESSURE (H) 2277

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : FALCON EXPLORATION INC.
RIG : GOVE-KANSAS
FIELD : R & M
WELL : #3
DATE : 6-3-87
GAUGE NO : 1566

OPERATIONAL COMMENTS

FLUSHED TOOL TWICE ON
THE FINAL FLOW.

COMPANY : FALCON EXPLORATION INC.
 WEL# : #3
 GAUGE # : 1566
 DATE : 3/ 6/87

FIELD : R & M
 JOB # : 13290
 DEPTH : 4440
 TEST : FLUSHED TOOL TWICE ON
 THE FINAL FLOW.

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	11: 0: 0	0.000	64.000	120.00	0.000
2	11: 4:59	0.083	64.000	120.00	0.000
3	11:10: 0	0.167	64.000	120.00	0.000
4	11:15: 0	0.250	62.000	120.00	-2.000
5	11:19:59	0.333	61.000	120.00	-1.000
6	11:25: 0	0.417	61.000	120.00	0.000
7	11:30: 0	0.500	61.000	120.00	0.000
8	11:34:59	0.583	61.000	120.00	0.000
9	11:40: 0	0.667	61.000	120.00	0.000
10	11:45: 0	0.750	61.000	120.00	0.000
11	11:48: 0	0.800	71.000	120.00	10.000
12	11:51: 0	0.850	185.000	120.00	114.000
13	11:54: 0	0.900	579.000	120.00	394.000
14	11:57: 0	0.950	802.000	120.00	223.000
15	12: 0: 0	1.000	903.000	120.00	101.000
16	12: 2:59	1.050	961.000	120.00	58.000
17	12: 6: 0	1.100	997.000	120.00	36.000
18	12: 9: 0	1.150	1023.000	120.00	26.000
19	12:12: 0	1.200	1043.000	120.00	20.000
20	12:15: 0	1.250	1058.000	120.00	15.000
21	12:18: 0	1.300	1071.000	120.00	13.000
22	12:21: 0	1.350	1086.000	120.00	15.000
23	12:24: 0	1.400	1096.000	120.00	10.000
24	12:27: 0	1.450	1103.000	120.00	7.000
25	12:30: 0	1.500	1111.000	120.00	8.000
26	12:33: 0	1.550	1117.000	120.00	6.000
27	12:36: 0	1.600	1121.000	120.00	4.000
28	12:39: 0	1.650	1125.000	120.00	4.000
29	12:42: 0	1.700	1128.000	120.00	3.000
30	12:45: 0	1.750	1131.000	120.00	3.000
31	12:46: 0	1.767	78.000	120.00	-1053.000
32	12:49:59	1.833	78.000	120.00	0.000
33	12:55: 0	1.917	78.000	120.00	0.000
34	13: 0: 0	2.000	77.000	120.00	-1.000
35	13: 4:59	2.083	75.000	120.00	-2.000
36	13:10: 0	2.167	75.000	120.00	0.000
37	13:15: 0	2.250	75.000	120.00	0.000
38	13:19:59	2.333	75.000	120.00	0.000
39	13:25: 0	2.417	101.000	120.00	26.000
40	13:30: 0	2.500	108.000	120.00	7.000
41	13:34:59	2.583	99.000	120.00	-9.000
42	13:40: 0	2.667	95.000	120.00	-4.000
43	13:45: 0	2.750	95.000	120.00	0.000

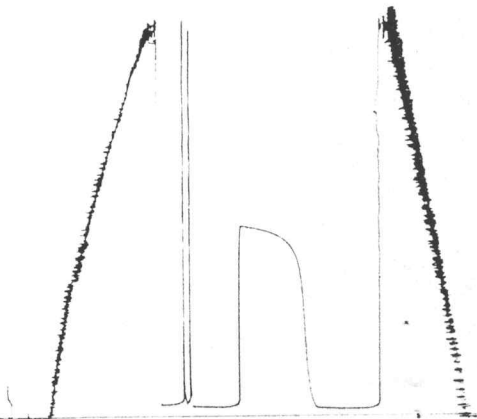
WESTERN TESTING CO. INC.

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