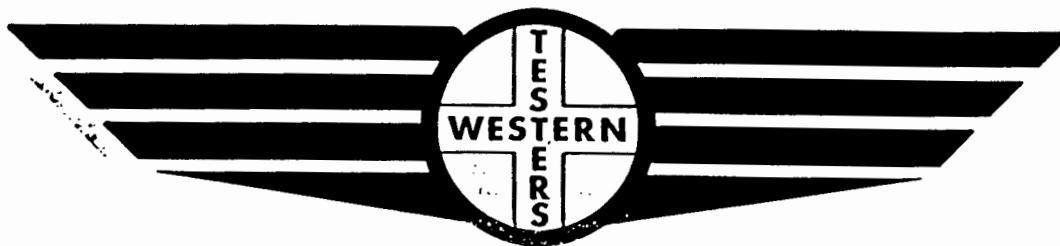


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PETROLEUM, INC.

LEASE & WELL NO.

AHERNS F-1

SEC. 35

TWP. 28S

RGE. 18W

TEST NO. 1

DATE

9/4/87

C N E - NW

155-097-21, 248

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	9/4/87	TICKET	:	12030
CUSTOMER	:	PETROLEUM INC.	LEASE	:	AHERNS
WELL	:	F-1	TEST:	:	1
ELEVATION	:	2243 GL	GEOLOGIST	:	M K MAUNE?
SECTION	:	35	FORMATION	:	EMPORIA
RANGE	:	18W	COUNTY	:	KIOWA
GAUGE SN#	:	3086	RANGE	:	4500
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3526	TO	:	3580	TOTAL DEPTH	:	3580
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3521	SIZE	:	6.63			
PACKER DEPTH	:	3526	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE RIG 2			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	43
WEIGHT	:	9.4	WATER LOSS (CC)	:	13.
CHLORIDES (PPM)	:	8000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	300	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3206	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	:	4.5FH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK TO GOOD BLOW.
BLOW COMMENT #2 : FINAL FLOW PERIOD GOOD TO STRONG BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 30 FT OF: DRILLING MUD

Total Barrels Fluid = 0.15
Total Fluid Prod Rate = 2.83 BFPD
Indicated Wtr Rate = 0.28 BWPD

REMARK 1 :
REMARK 2 : TIGHT HOLE
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	10:10 PM	TIME STARTED OFF BOTTOM :	2:55 AM
WELL TEMPERATURE :	112		
INITIAL HYDROSTATIC PRESSURE		(A)	1770
INITIAL FLOW PERIOD MIN:	15	(B)	54 PSI TO (C) : 54
INITIAL CLOSED IN PERIOD MIN:	30	(D)	132
FINAL FLOW PERIOD MIN:	60	(E)	48 PSI TO (F) : 48
FINAL CLOSED IN PERIOD MIN:	129	(G)	983
FINAL HYDROSTATIC PRESSURE		(H)	1707

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC.
RIG : KIOWA-KANSAS
FIELD : AHERNS
WELL : F-1
DATE : 9/4/87
GAUGE NO : 3086

OPERATIONAL COMMENTS

TIGHT HOLE

COMPANY : PETROLEUM INC.

WELL : F-1

GAUGE # : 3086

DATE : 4/ 9/87

FIELD : AHERNS

JOB # : 12030

DEPTH : 3580

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
1	10:10: 0	0.000	54.000	112.00	0.000
2	10:14:59	0.083	54.000	112.00	0.000
3	10:20: 0	0.167	54.000	112.00	0.000
4	10:25: 0	0.250	54.000	112.00	0.000
5	10:28: 0	0.300	54.000	112.00	0.000
6	10:31: 0	0.350	56.000	112.00	2.000
7	10:34: 0	0.400	63.000	112.00	7.000
8	10:37: 0	0.450	72.000	112.00	9.000
9	10:40: 0	0.500	84.000	112.00	12.000
10	10:43: 0	0.550	97.000	112.00	13.000
11	10:46: 0	0.600	105.000	112.00	8.000
12	10:49: 0	0.650	116.000	112.00	11.000
13	10:52: 0	0.700	123.000	112.00	7.000
14	10:55: 0	0.750	132.000	112.00	9.000
15	10:56: 0	0.767	48.000	112.00	-84.000
16	10:59:59	0.833	48.000	112.00	0.000
17	11: 5: 0	0.917	48.000	112.00	0.000
18	11:10: 0	1.000	48.000	112.00	0.000
19	11:14:59	1.083	48.000	112.00	0.000
20	11:20: 0	1.167	48.000	112.00	0.000
21	11:25: 0	1.250	48.000	112.00	0.000
22	11:29:59	1.333	48.000	112.00	0.000
23	11:35: 0	1.417	48.000	112.00	0.000
24	11:40: 0	1.500	48.000	112.00	0.000
25	11:44:59	1.583	48.000	112.00	0.000
26	11:50: 0	1.667	48.000	112.00	0.000
27	11:55: 0	1.750	48.000	112.00	0.000
28	11:58: 0	1.800	48.000	112.00	0.000
29	12: 1: 0	1.850	54.000	112.00	6.000
30	12: 4: 0	1.900	68.000	112.00	14.000
31	12: 7: 0	1.950	95.000	112.00	27.000
32	12:10: 0	2.000	125.000	112.00	30.000
33	12:13: 0	2.050	156.000	112.00	31.000
34	12:16: 0	2.100	194.000	112.00	38.000
35	12:19: 0	2.150	229.000	112.00	35.000
36	12:22: 0	2.200	267.000	112.00	38.000
37	12:25: 0	2.250	303.000	112.00	36.000
38	12:28: 0	2.300	345.000	112.00	42.000
39	12:31: 0	2.350	379.000	112.00	34.000
40	12:34: 0	2.400	414.000	112.00	35.000
41	12:37: 0	2.450	452.000	112.00	38.000
42	12:40: 0	2.500	485.000	112.00	33.000
43	12:43: 0	2.550	520.000	112.00	35.000
44	12:46: 0	2.600	551.000	112.00	31.000
45	12:49: 0	2.650	583.000	112.00	32.000
46	12:52: 0	2.700	618.000	112.00	35.000
47	12:55: 0	2.750	648.000	112.00	30.000
48	12:58: 0	2.800	678.000	112.00	30.000
49	13: 1: 0	2.850	705.000	112.00	27.000
50	13: 4: 0	2.900	734.000	112.00	29.000
51	13: 7: 0	2.950	759.000	112.00	25.000
52	13:10: 0	3.000	783.000	112.00	24.000

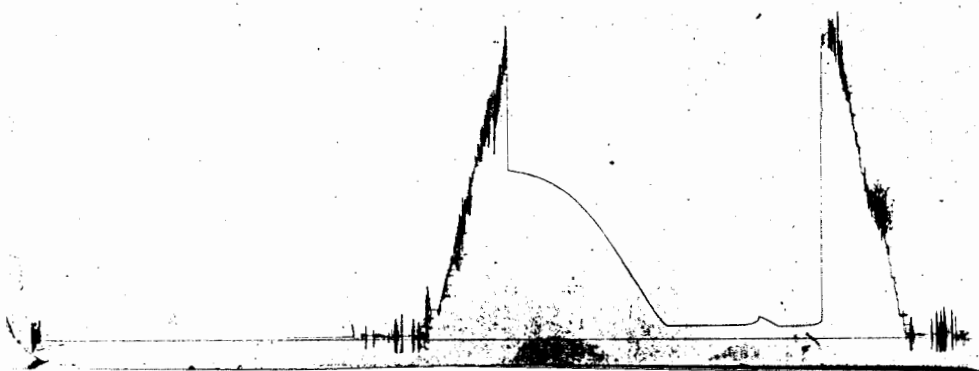
COMPANY : PETROLEUM INC.
WELL : F-1
GAUGE # : 3086
DATE : 4/ 9/87

FIELD : AHERNS
JOB # : 12030
DEPTH : 3580
TEST :

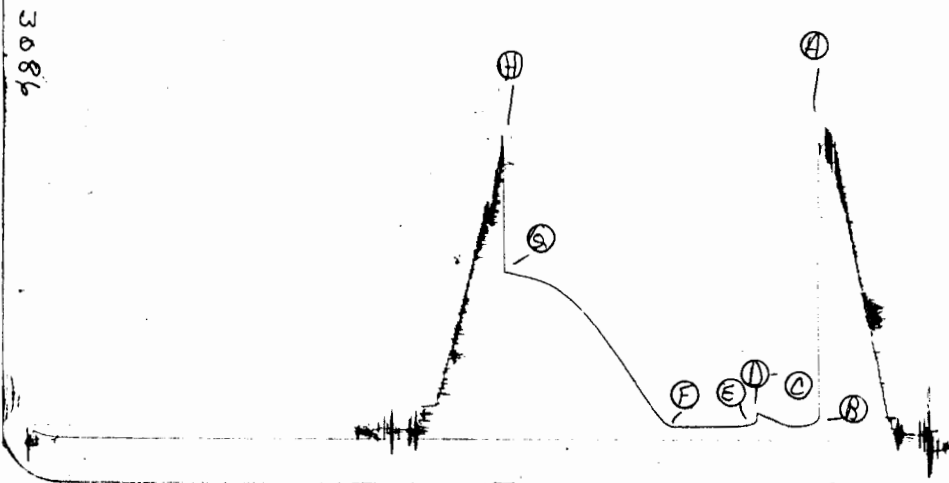
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
53	13:13: 0	3.050	806.000	112.00	23.000
54	13:16: 0	3.100	828.000	112.00	22.000
55	13:19: 0	3.150	847.000	112.00	19.000
56	13:22: 0	3.200	863.000	112.00	16.000
57	13:25: 0	3.250	882.000	112.00	19.000
58	13:28: 0	3.300	895.000	112.00	13.000
59	13:31: 0	3.350	909.000	112.00	14.000
60	13:34: 0	3.400	919.000	112.00	10.000
61	13:37: 0	3.450	929.000	112.00	10.000
62	13:40: 0	3.500	937.000	112.00	8.000
63	13:43: 0	3.550	943.000	112.00	6.000
64	13:46: 0	3.600	950.000	112.00	7.000
65	13:49: 0	3.650	956.000	112.00	6.000
66	13:52: 0	3.700	961.000	112.00	5.000
67	13:55: 0	3.750	965.000	112.00	4.000
68	13:58: 0	3.800	972.000	112.00	7.000
69	14: 1: 0	3.850	976.000	112.00	4.000
70	14: 4: 0	3.900	983.000	112.00	7.000

WESTERN TESTING CO. INC.

13271 DST#1 KA 12030 6
0



3086 DST#1 KA 12030 6
I



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PETROLEUM, INC.

LEASE & WELL NO.

AHERNS #F-1

SEC. 35

TWP. 28S

RGE. 18W

TEST NO. 2

DATE 9/6/87

C N R - NW

15-097-21, 248

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	9-6-87	TICKET	:	12031
CUSTOMER	:	PETROLEUM INC.	LEASE	:	AHERNS
WELL	:	#F-1	TEST:	:	2
ELEVATION	:	2243 GL	GEOLOGIST	:	MICHAEL K.M.?
SECTION	:	35	FORMATION	:	LANSING
RANGE	:	18W	COUNTY	:	KIOWA
GAUGE SN#	:	3086	RANGE	:	4500
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	4279	TO	:	4306	TOTAL DEPTH	:	4306
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4274	SIZE	:	6.63			
PACKER DEPTH	:	4279	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE	RIG #2		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	60
WEIGHT	:	9.3	WATER LOSS (CC)	:	12.0
CHLORIDES (PPM)	:	10000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	300	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3959	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	27	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	:	VERY WEAK BLOW BUILDING ON THE INITIAL FLOW.
BLOW COMMENT #2	:	VERY WEAK STEADY 1" BLOW ON THE FINAL FLOW.
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 60 FT OF: WATER CUT MUD (SLT SHOW OF OIL)
10% WATER-90% MUD
RECOVERED : 120 FT OF: MUDDY WATER
30% MUD-70% WATER
CHLORIDES: TOP 60000 PPM
BOTTOM 75000 PPM
RECOVERED : 0 FT OF: RESISTIVITY .25 @ 85 DEG.F.

Total Barrels Fluid = 0.89
Total Fluid Prod Rate = 16.99 BFPD
Indicated Wtr Rate = 4.82 BWPD

REMARK 1 : TIGHT HOLE !!
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	1:00 AM	TIME STARTED OFF BOTTOM :	4:45 AM
WELL TEMPERATURE :	116		
INITIAL HYDROSTATIC PRESSURE		(A)	2199
INITIAL FLOW PERIOD MIN:	15	(B)	59 PSI TO (C) : 47
INITIAL CLOSED IN PERIOD MIN:	30	(D)	1392
FINAL FLOW PERIOD MIN:	60	(E)	75 PSI TO (F) : 103
FINAL CLOSED IN PERIOD MIN:	123	(G)	1433
FINAL HYDROSTATIC PRESSURE		(H)	2141

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC.
RIG : KIOWA-KANSAS
FIELD : AHERNS
WELL : #F-1
DATE : 9-6-87
GAUGE NO : 3086

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : PETROLEUM INC.
WELL : #F-1
GAUGE # : 3086
DATE : 6/ 9/87

FIELD : AHERNS
JOB # : 12031
DEPTH : 4306
TEST : TIGHT HOLE !!

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
1	1: 0: 0	0.000	59.000	116.00	0.000
2	1: 4: 59	0.083	59.000	116.00	0.000
3	1:10: 0	0.167	49.000	116.00	-10.000
4	1:15: 0	0.250	47.000	116.00	-2.000
5	1:18: 0	0.300	319.000	116.00	272.000
6	1:21: 0	0.350	860.000	116.00	541.000
7	1:24: 0	0.400	1125.000	116.00	265.000
8	1:27: 0	0.450	1225.000	116.00	100.000
9	1:30: 0	0.500	1278.000	116.00	53.000
10	1:33: 0	0.550	1318.000	116.00	40.000
11	1:36: 0	0.600	1341.000	116.00	23.000
12	1:39: 0	0.650	1360.000	116.00	19.000
13	1:42: 0	0.700	1376.000	116.00	16.000
14	1:45: 0	0.750	1392.000	116.00	16.000
15	1:46: 0	0.767	75.000	116.00	-1317.000
16	1:49:59	0.833	75.000	116.00	0.000
17	1:55: 0	0.917	73.000	116.00	-2.000
18	2: 0: 0	1.000	73.000	116.00	0.000
19	2: 4: 59	1.083	75.000	116.00	2.000
20	2:10: 0	1.167	77.000	116.00	2.000
21	2:15: 0	1.250	79.000	116.00	2.000
22	2:19:59	1.333	82.000	116.00	3.000
23	2:25: 0	1.417	85.000	116.00	3.000
24	2:30: 0	1.500	91.000	116.00	6.000
25	2:34:59	1.583	97.000	116.00	6.000
26	2:40: 0	1.667	100.000	116.00	3.000
27	2:45: 0	1.750	103.000	116.00	3.000
28	2:48: 0	1.800	296.000	116.00	193.000
29	2:51: 0	1.850	655.000	116.00	359.000
30	2:54: 0	1.900	912.000	116.00	257.000
31	2:57: 0	1.950	1064.000	116.00	152.000
32	3: 0: 0	2.000	1148.000	116.00	84.000
33	3: 3: 0	2.050	1197.000	116.00	49.000
34	3: 5: 59	2.100	1229.000	116.00	32.000
35	3: 9: 0	2.150	1257.000	116.00	28.000
36	3:12: 0	2.200	1278.000	116.00	21.000
37	3:15: 0	2.250	1294.000	116.00	16.000
38	3:18: 0	2.300	1308.000	116.00	14.000
39	3:21: 0	2.350	1325.000	116.00	17.000
40	3:24: 0	2.400	1334.000	116.00	9.000
41	3:27: 0	2.450	1345.000	116.00	11.000
42	3:30: 0	2.500	1355.000	116.00	10.000
43	3:33: 0	2.550	1361.000	116.00	6.000
44	3:36: 0	2.600	1367.000	116.00	6.000
45	3:39: 0	2.650	1373.000	116.00	6.000
46	3:42: 0	2.700	1378.000	116.00	5.000
47	3:45: 0	2.750	1383.000	116.00	5.000
48	3:48: 0	2.800	1387.000	116.00	4.000
49	3:51: 0	2.850	1391.000	116.00	4.000
50	3:54: 0	2.900	1394.000	116.00	3.000
51	3:57: 0	2.950	1397.000	116.00	3.000
52	4: 0: 0	3.000	1400.000	116.00	3.000

COMPANY : PETROLEUM INC.

WELL : #F-1

GAUGE # : 3086

DATE : 6/ 9/87

FIELD : AHERNS

JOB # : 12031

DEPTH : 4306

TEST : TIGHT HOLE !!

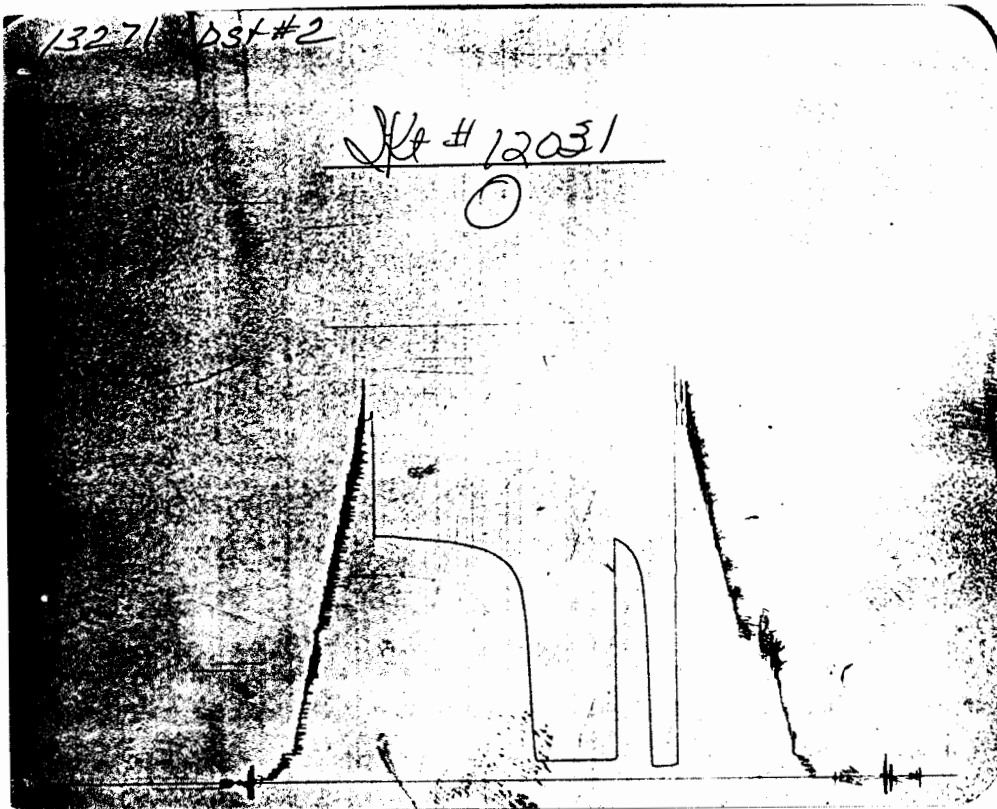
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
53	4: 3: 0	3.050	1403.000	116.00	3.000
54	4: 6: 0	3.100	1406.000	116.00	3.000
55	4: 9: 0	3.150	1408.000	116.00	2.000
56	4:12: 0	3.200	1410.000	116.00	2.000
57	4:15: 0	3.250	1412.000	116.00	2.000
58	4:18: 0	3.300	1414.000	116.00	2.000
59	4:21: 0	3.350	1416.000	116.00	2.000
60	4:24: 0	3.400	1418.000	116.00	2.000
61	4:27: 0	3.450	1420.000	116.00	2.000
62	4:30: 0	3.500	1422.000	116.00	2.000
63	4:33: 0	3.550	1424.000	116.00	2.000
64	4:36: 0	3.600	1426.000	116.00	2.000
65	4:39: 0	3.650	1428.000	116.00	2.000
66	4:42: 0	3.700	1430.000	116.00	2.000
67	4:45: 0	3.750	1432.000	116.00	2.000
68	4:48: 0	3.800	1433.000	116.00	1.000

WESTERN TESTING CO. INC.

13271 DST#2

Alt # 12031

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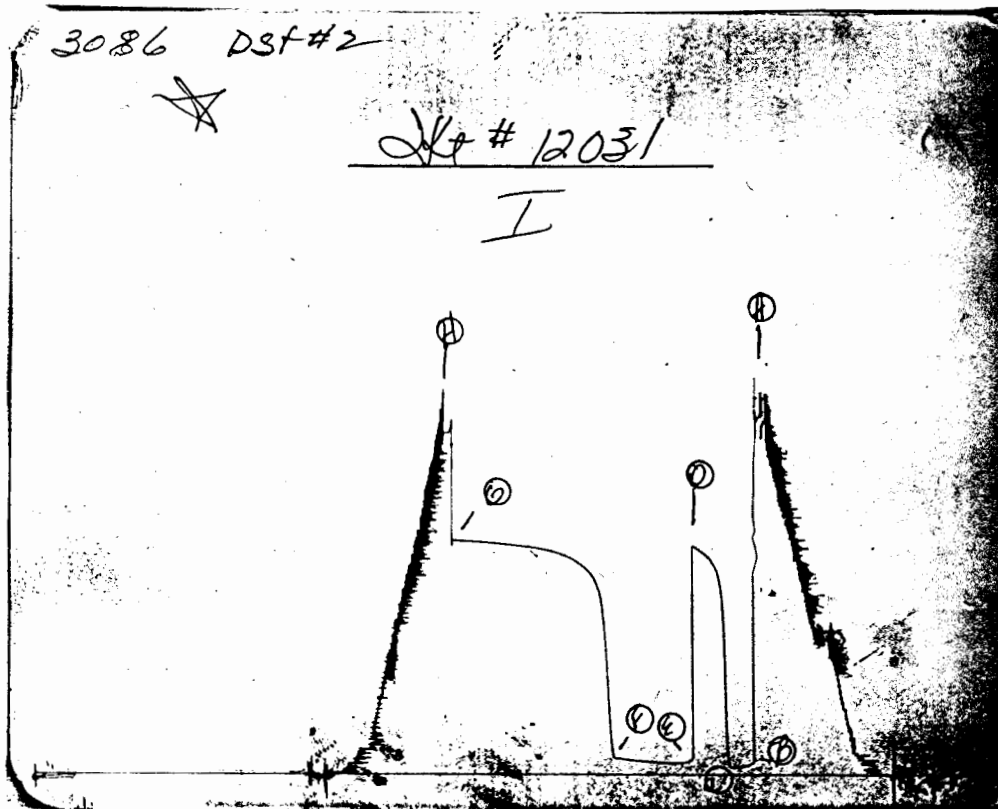


3086 DST#2

★

Alt # 12031

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PETROLEUM, INC. LEASE & WELL NO. AHERNS #F-1 SEC. 35 TWP. 28S RGE. 18W TEST NO. 3 DATE 9/7/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	9-7-87	TICKET	:	12032
CUSTOMER	:	PETROLEUM INC.	LEASE	:	AHERNS
WELL	:	#F-1	TEST:	:	3
ELEVATION	:	2243 GL	GEOLOGIST	:	M.K. MARINE?
SECTION	:	35	FORMATION	:	LANSING
RANGE	:	18W	COUNTY	:	KIOWA
GAUGE SN#	:	3086	RANGE	:	4500
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	4321	TO	:	4345	TOTAL DEPTH	:	4345
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4316	SIZE	:	6.63			
PACKER DEPTH	:	4321	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE	RIG #2		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	56
WEIGHT	:	9.4	WATER LOSS (CC)	:	15.2
CHLORIDES (PPM)	:	8000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	300	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3999	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	24	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 IN 2 MINUTES ON THE INITIAL FLOW.
BLOW COMMENT #2	:	STRONG BLOW ON THE FINAL FLOW.
BLOW COMMENT #3	:	NO GAS TO SURFACE.
BLOW COMMENT #4	:	

RECOVERED : 140 FT OF: OIL CUT MUD
10% GAS-60% OIL-30% MUD
RECOVERED : 120 FT OF: OIL CUT WATERY MUD
20% GAS-20% OIL-20% WATER-40% MUD
RECOVERED : 976 FT OF: WATER
CHLORIDES; TOP-75000 PPM-MIDDLE-110000 PPM-BOTTOM-110000
PPM RES. .24 @ 70 DEG.F.

Total Barrels Fluid = 14.60
Total Fluid Prod Rate = 280.39 BFPD
Indicated Oil Rate = 24.50 BOPD
Indicated Wtr Rate = 226.86 BWPD

REMARK 1 : TIGHT HOLE !!
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	5:05 PM	TIME STARTED OFF BOTTOM :	8:50 PM
WELL TEMPERATURE :	120		
INITIAL HYDROSTATIC PRESSURE		(A)	2196
INITIAL FLOW PERIOD MIN:	15	(B)	105 PSI TO (C) : 184
INITIAL CLOSED IN PERIOD MIN:	30	(D)	1460
FINAL FLOW PERIOD MIN:	60	(E)	286 PSI TO (F) : 555
FINAL CLOSED IN PERIOD MIN:	123	(G)	1468
FINAL HYDROSTATIC PRESSURE		(H)	2112

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC.
RIG : KIOWA-KANSAS
FIELD : AHERNS
WELL : #F-1
DATE : 9-7-87
GAUGE NO : 3086

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : PETROLEUM INC.
WELL : #F-1
GAUGE # : 3086
DATE : 7/ 9/87

FIELD : AHERNS
JOB # : 12032
DEPTH : 4345
TEST : TIGHT HOLE !!

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	5: 5: 0	0.000	105.000	120.00	0.000
2	5: 9:59	0.083	108.000	120.00	3.000
3	5:15: 0	0.167	139.000	120.00	31.000
4	5:20: 0	0.250	184.000	120.00	45.000
5	5:23: 0	0.300	1037.000	120.00	853.000
6	5:26: 0	0.350	1367.000	120.00	330.000
7	5:29: 0	0.400	1418.000	120.00	51.000
8	5:32: 0	0.450	1437.000	120.00	19.000
9	5:35: 0	0.500	1448.000	120.00	11.000
10	5:38: 0	0.550	1454.000	120.00	6.000
11	5:41: 0	0.600	1456.000	120.00	2.000
12	5:44: 0	0.650	1458.000	120.00	2.000
13	5:47: 0	0.700	1459.000	120.00	1.000
14	5:50: 0	0.750	1460.000	120.00	1.000
15	5:51: 0	0.767	286.000	120.00	-1174.000
16	5:54:59	0.833	286.000	120.00	0.000
17	6: 0: 0	0.917	291.000	120.00	5.000
18	6: 5: 0	1.000	314.000	120.00	23.000
19	6: 9:59	1.083	343.000	120.00	29.000
20	6:15: 0	1.167	374.000	120.00	31.000
21	6:20: 0	1.250	400.000	120.00	26.000
22	6:24:59	1.333	428.000	120.00	28.000
23	6:30: 0	1.417	458.000	120.00	30.000
24	6:35: 0	1.500	481.000	120.00	23.000
25	6:39:59	1.583	510.000	120.00	29.000
26	6:45: 0	1.667	534.000	120.00	24.000
27	6:50: 0	1.750	555.000	120.00	21.000
28	6:53: 0	1.800	1299.000	120.00	744.000
29	6:56: 0	1.850	1392.000	120.00	93.000
30	6:59: 0	1.900	1422.000	120.00	30.000
31	7: 2: 0	1.950	1436.000	120.00	14.000
32	7: 5: 0	2.000	1446.000	120.00	10.000
33	7: 8: 0	2.050	1452.000	120.00	6.000
34	7:11: 0	2.100	1454.000	120.00	2.000
35	7:14: 0	2.150	1456.000	120.00	2.000
36	7:17: 0	2.200	1458.000	120.00	2.000
37	7:20: 0	2.250	1460.000	120.00	2.000
38	7:23: 0	2.300	1461.000	120.00	1.000
39	7:26: 0	2.350	1462.000	120.00	1.000
40	7:29: 0	2.400	1463.000	120.00	1.000
41	7:32: 0	2.450	1464.000	120.00	1.000
42	7:35: 0	2.500	1465.000	120.00	1.000
43	7:38: 0	2.550	1466.000	120.00	1.000
44	7:41: 0	2.600	1467.000	120.00	1.000
45	7:44: 0	2.650	1468.000	120.00	1.000
46	7:47: 0	2.700	1468.000	120.00	0.000
47	7:50: 0	2.750	1468.000	120.00	0.000
48	7:53: 0	2.800	1468.000	120.00	0.000
49	7:56: 0	2.850	1468.000	120.00	0.000
50	7:59: 0	2.900	1468.000	120.00	0.000
51	8: 2: 0	2.950	1468.000	120.00	0.000
52	8: 5: 0	3.000	1468.000	120.00	0.000

COMPANY : PETROLEUM INC.
WELL : #F-1
GAUGE # : 3086
DATE : 7/ 9/87

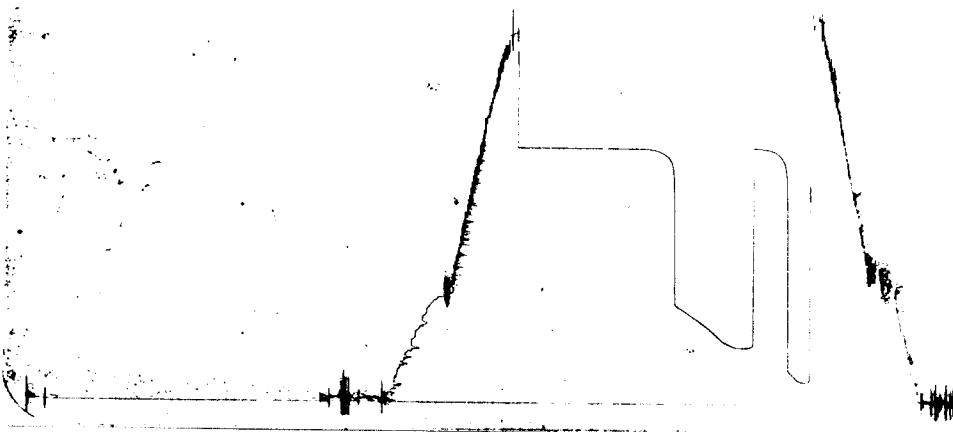
FIELD : AHERNS
JOB # : 12032
DEPTH : 4345
TEST : TIGHT HOLE !!

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	8: 8: 0	3.050	1468.000	120.00	0.000
54	8:11: 0	3.100	1468.000	120.00	0.000
55	8:14: 0	3.150	1468.000	120.00	0.000
56	8:17: 0	3.200	1468.000	120.00	0.000
57	8:20: 0	3.250	1468.000	120.00	0.000
58	8:23: 0	3.300	1468.000	120.00	0.000
59	8:26: 0	3.350	1468.000	120.00	0.000
60	8:29: 0	3.400	1468.000	120.00	0.000
61	8:32: 0	3.450	1468.000	120.00	0.000
62	8:35: 0	3.500	1468.000	120.00	0.000
63	8:38: 0	3.550	1468.000	120.00	0.000
64	8:41: 0	3.600	1468.000	120.00	0.000
65	8:44: 0	3.650	1468.000	120.00	0.000
66	8:47: 0	3.700	1468.000	120.00	0.000
67	8:50: 0	3.750	1468.000	120.00	0.000
68	8:53: 0	3.800	1468.000	120.00	0.000

WESTERN TESTING CO. INC.

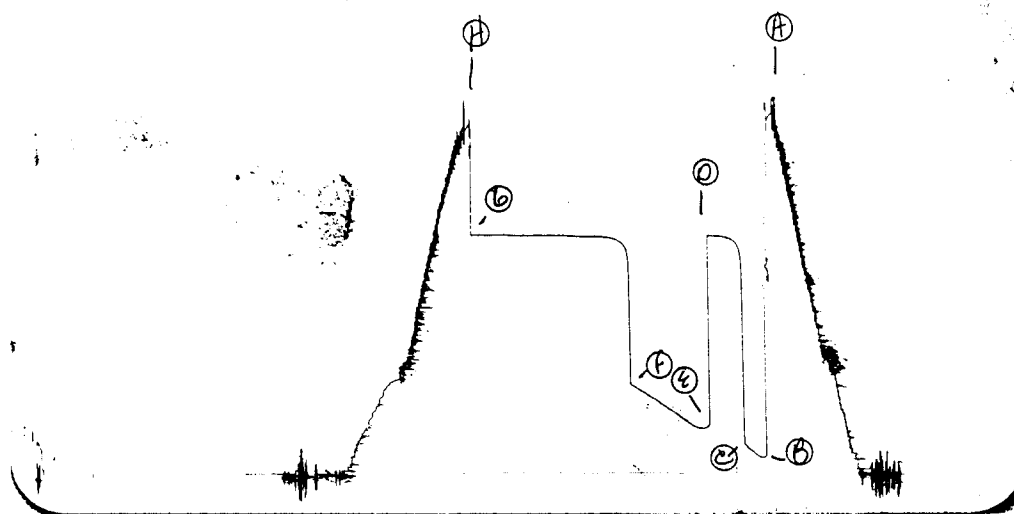
13271-251#3

JK # 12032
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3086 251#3
X

JK # 12032
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PETROLEUM, INC.

LEASE & WELL NO. AHERNS F-1

SEC. 35 TWP. 28S RGE. 18W TEST NO. 4 DATE 9/8/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	9/8/87	TICKET	:	12033
CUSTOMER	:	PETROLEUM INC.	LEASE	:	AHERNS
WELL	:	F-1	TEST:	:	4
ELEVATION	:	2243 GL	GEOLOGIST	:	MAUNE?
SECTION	:	35	FORMATION	:	SWOPE
RANGE	:	18W	COUNTY	:	KIOWA
Gauge SN#	:	3086	RANGE	:	4500
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	4536	TO	:	4574	TOTAL DEPTH	:	4574
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:	4531	SIZE	:	6.63			
PACKER DEPTH	:	4536	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE RIG 2			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	46
WEIGHT	:	9.1	WATER LOSS (CC)	:	9.5
CHLORIDES (PPM)	:	5000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	300	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4214	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	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 BLOW BUILDING TO A
BLOW COMMENT #2	:	GOOD 5 INCH BLOW.
BLOW COMMENT #3	:	FINAL FLOW PERIOD FAIR TO GOOD BLOW.
BLOW COMMENT #4	:	NO GAS TO SURFACE.

RECOVERED : 20 FT OF: MUDDY WATER-FEW SPOTS OF OIL
RECOVERED : 0 FT OF: 35% MUD; 65% WATER
RECOVERED : 360 FT OF: WATER RESISTIVITY .1 @ 70 DEGREES F
RECOVERED : 0 FT OF: TOP CHLORIDES 75000 PPM
RECOVERED : 0 FT OF: MIDDLE CHLORIDES 98000 PPM
RECOVERED : 0 FT OF: BOTTOM CHLORIDES 109000 PPM

Total Barrels Fluid = 2.60
Total Fluid Prod Rate = 49.87 BFPD
Indicated Wtr Rate = 48.82 BWPD

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

SET PACKER(S) : 7:15 PM TIME STARTED OFF BOTTOM : 11:00 PM
WELL TEMPERATURE : 119
INITIAL HYDROSTATIC PRESSURE (A) 2334
INITIAL FLOW PERIOD MIN: 15 (B) 61 PSI TO (C) : 61
INITIAL CLOSED IN PERIOD MIN: 33 (D) 1495
FINAL FLOW PERIOD MIN: 60 (E) 118 PSI TO (F) : 183
FINAL CLOSED IN PERIOD MIN: 123 (G) 1536
FINAL HYDROSTATIC PRESSURE (H) 2279

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC.
RIG : KIOWA-KANSAS
FIELD : AHERNS
WELL : F-1
DATE : 9/8/87
GAUGE NO : 3086

OPERATIONAL COMMENTS

COMPANY : PETROLEUM INC.
WELL : F-1
GAUGE # : 3086
DATE : 8/ 9/87

FIELD : AHERNS
JOB # : 12033
DEPTH : 4574
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
1	7:15: 0	0.000	61.000	119.00	0.000
2	7:19:59	0.083	61.000	119.00	0.000
3	7:25: 0	0.167	61.000	119.00	0.000
4	7:30: 0	0.250	61.000	119.00	0.000
5	7:33: 0	0.300	799.000	119.00	738.000
6	7:36: 0	0.350	1136.000	119.00	337.000
7	7:39: 0	0.400	1250.000	119.00	114.000
8	7:42: 0	0.450	1320.000	119.00	70.000
9	7:45: 0	0.500	1369.000	119.00	49.000
10	7:48: 0	0.550	1397.000	119.00	28.000
11	7:51: 0	0.600	1430.000	119.00	33.000
12	7:54: 0	0.650	1453.000	119.00	23.000
13	7:57: 0	0.700	1471.000	119.00	18.000
14	8: 0: 0	0.750	1484.000	119.00	13.000
15	8: 3: 0	0.800	1495.000	119.00	11.000
16	8: 4: 0	0.817	118.000	119.00	-1377.000
17	8: 7:59	0.883	118.000	119.00	0.000
18	8:13: 0	0.967	118.000	119.00	0.000
19	8:18: 0	1.050	122.000	119.00	4.000
20	8:22:59	1.133	127.000	119.00	5.000
21	8:28: 0	1.217	136.000	119.00	9.000
22	8:33: 0	1.300	146.000	119.00	10.000
23	8:37:59	1.383	156.000	119.00	10.000
24	8:43: 0	1.467	163.000	119.00	7.000
25	8:48: 0	1.550	169.000	119.00	6.000
26	8:52:59	1.633	175.000	119.00	6.000
27	8:58: 0	1.717	180.000	119.00	5.000
28	9: 3: 0	1.800	183.000	119.00	3.000
29	9: 5:59	1.850	755.000	119.00	572.000
30	9: 9: 0	1.900	995.000	119.00	240.000
31	9:12: 0	1.950	1106.000	119.00	111.000
32	9:15: 0	2.000	1176.000	119.00	70.000
33	9:18: 0	2.050	1225.000	119.00	49.000
34	9:21: 0	2.100	1262.000	119.00	37.000
35	9:23:59	2.150	1294.000	119.00	32.000
36	9:27: 0	2.200	1318.000	119.00	24.000
37	9:30: 0	2.250	1339.000	119.00	21.000
38	9:33: 0	2.300	1357.000	119.00	18.000
39	9:36: 0	2.350	1374.000	119.00	17.000
40	9:39: 0	2.400	1388.000	119.00	14.000
41	9:41:59	2.450	1404.000	119.00	16.000
42	9:45: 0	2.500	1413.000	119.00	9.000
43	9:48: 0	2.550	1425.000	119.00	12.000
44	9:51: 0	2.600	1436.000	119.00	11.000
45	9:54: 0	2.650	1445.000	119.00	9.000
46	9:56:59	2.700	1453.000	119.00	8.000
47	10: 0: 0	2.750	1460.000	119.00	7.000
48	10: 3: 0	2.800	1466.000	119.00	6.000
49	10: 6: 0	2.850	1472.000	119.00	6.000
50	10: 9: 0	2.900	1476.000	119.00	4.000
51	10:11:59	2.950	1480.000	119.00	4.000
52	10:15: 0	3.000	1486.000	119.00	6.000

COMPANY : PETROLEUM INC.
WELL : F-1
GAUGE # : 3086
DATE : 8/ 9/87

FIELD : AHERNS
JOB # : 12033
DEPTH : 4574
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
53	10:18: 0	3.050	1492.000	119.00	6.000
54	10:21: 0	3.100	1496.000	119.00	4.000
55	10:24: 0	3.150	1500.000	119.00	4.000
56	10:26:59	3.200	1504.000	119.00	4.000
57	10:30: 0	3.250	1508.000	119.00	4.000
58	10:33: 0	3.300	1511.000	119.00	3.000
59	10:36: 0	3.350	1514.000	119.00	3.000
60	10:39: 0	3.400	1517.000	119.00	3.000
61	10:41:59	3.450	1520.000	119.00	3.000
62	10:45: 0	3.500	1523.000	119.00	3.000
63	10:48: 0	3.550	1525.000	119.00	2.000
64	10:51: 0	3.600	1527.000	119.00	2.000
65	10:54: 0	3.650	1529.000	119.00	2.000
66	10:56:59	3.700	1531.000	119.00	2.000
67	11: 0: 0	3.750	1533.000	119.00	2.000
68	11: 3: 0	3.800	1535.000	119.00	2.000
69	11: 6: 0	3.850	1536.000	119.00	1.000

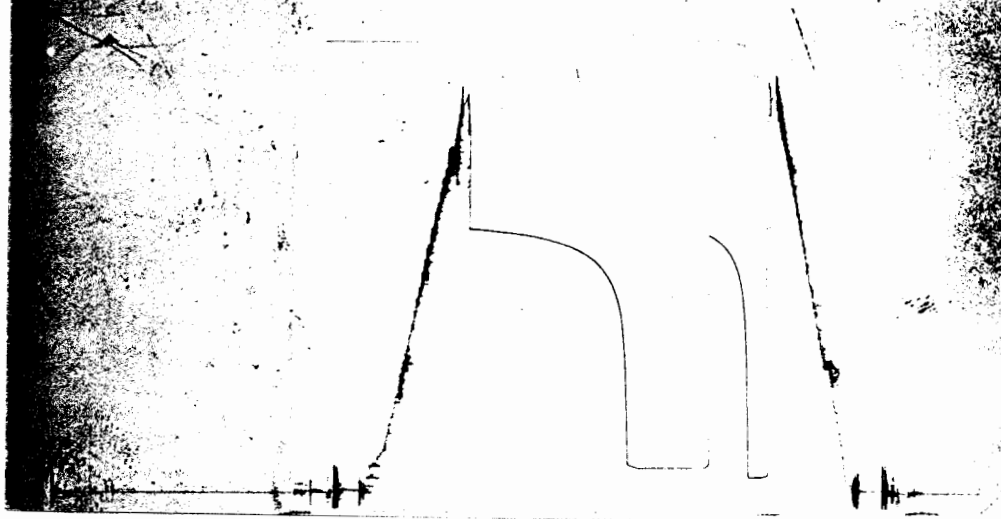
WESTERN TESTING CO. INC.

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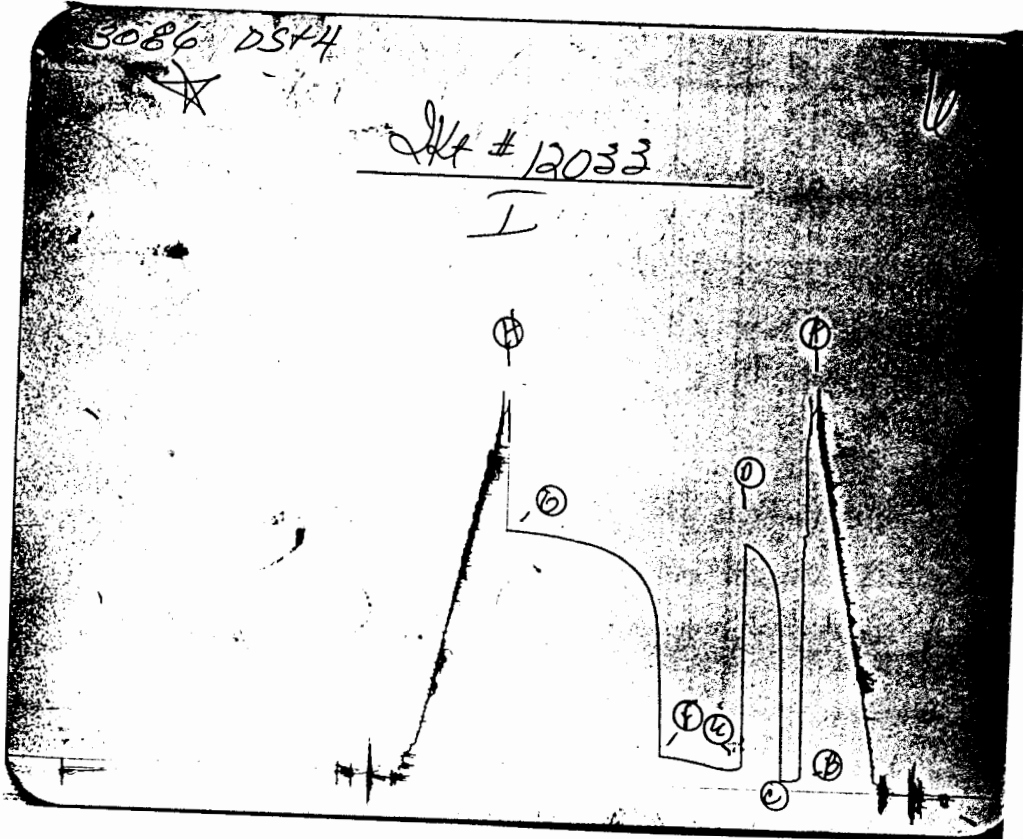


3086 DSH

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Alt # 12033

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PETROLEUM, INC.

LEASE & WELL NO. AHERNS F-1

SEC. 35 TWP. 28S RGE. 18W TEST NO. 5 DATE 9/10/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	9/10/87	TICKET	:	12034	
CUSTOMER	:	PETROLEUM INC.	LEASE	:	AHERNS	
WELL	:	F-1	TEST:	:	5	
ELEVATION	:	2243 GL	GEOLOGIST	:	MAUNE?	
SECTION	:	35	FORMATION	:	MARMATON	
RANGE	:	18W	TOWNSHIP	:	28S	
GAUGE SN#	:	3086	STATE	:	KANSAS	
		COUNTY :	KIOWA	CLOCK	:	12
		RANGE :	4500			

INTERVAL FROM	:	4677	TO	:	4816	TOTAL DEPTH	:	4816
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4672	SIZE	:	6.63			
PACKER DEPTH	:	4677	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE RIG 2			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	54
WEIGHT	:	8.9	WATER LOSS (CC)	:	11.
CHLORIDES (PPM)	:	11000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	300	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4655	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	139	FT	ANCHOR SIZE	:	4.50
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 BLOW BUILDING TO A
BLOW COMMENT #2	:	STRONG BLOW
BLOW COMMENT #3	:	FINAL FLOW PERIOD STRONG BLOW. GAS TO SURFACE IN
BLOW COMMENT #4	:	2 MINUTES.

GAS FLOW REPORT

Date : 9/10/87	Ticket # : 12034
Customer : PETROLEUM INC.	Lease : AHERNS
Well : F-1 Test : 5	Geologist : MAUNE
Elevation (KB) : 2243 GL Formation : MARMATON	
Section : 35] Township : 28S	
Range : 18W County : KIOWA	State : KANSAS
Gauge SN # : 3086 Range : 4500	Clock : 12

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

PRE FLOW
=====

SECOND FLOW
=====

	MERLA	1/2"	INCHES OF WATER	GAS TO SURFACE
2				
5			15 "	24500 CFPD
10			10 "	19900 CFPD
15			13 "	22800 CFPD
20			10 "	19900 CFPD
25			13 "	22800 CFPD
30			13 "	22800 CFPD
35			10 "	19900 CFPD
40			13 "	22800 CFPD
45			10 "	19900 CFPD
50			13 "	22800 CFPD
55			13 "	22800 CFPD
60			13 "	22800 CFPD

Gas Bottle SN # : 25
Date Bottle Filled : 9/11/87
Date to be Invoiced : 9/11/87

RECOVERED : 145 FT OF: GAS CUT MUD

Total Barrels Fluid = 0.71
Total Fluid Prod Rate = 13.69 BFPD
Indicated Wtr Rate = 1.37 BWPD

REMARK 1 :

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 1:25 AM

TIME STARTED OFF BOTTOM : 5:10 AM

WELL TEMPERATURE : 120

INITIAL HYDROSTATIC PRESSURE

(A) 2577

INITIAL FLOW PERIOD MIN: 15

(B) 118 PSI TO (C) : 118

INITIAL CLOSED IN PERIOD MIN: 30

(D) 918

FINAL FLOW PERIOD MIN: 60

(E) 118 PSI TO (F) : 118

FINAL CLOSED IN PERIOD MIN: 120

(G) 1520

FINAL HYDROSTATIC PRESSURE

(H) 2382

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC.
RIG : KIOWA-KANSAS
FIELD : AHERNS
WELL : F-1
DATE : 9/10/87
GAUGE NO : 3086

OPERATIONAL COMMENTS

COMPANY : PETROLEUM INC.
WELL : F-1
GAUGE # : 3086
DATE : 10/ 9/87

FIELD : AHERNS
JOB # : 12034
DEPTH : 4816
TEST :

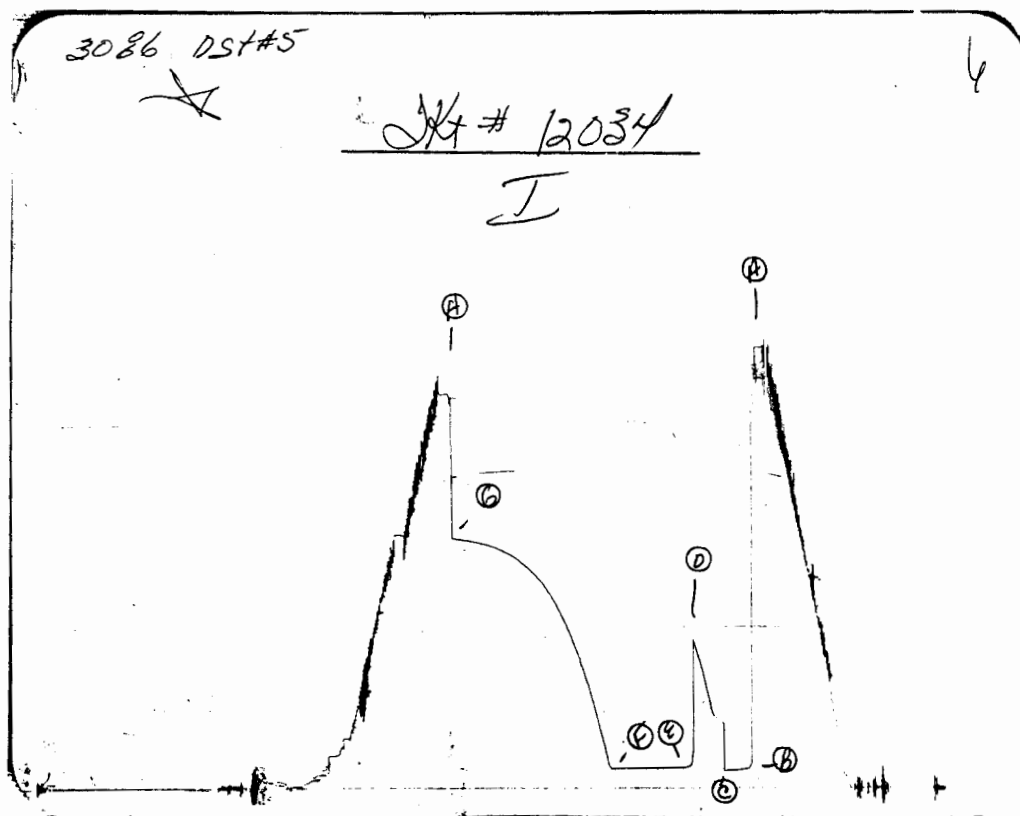
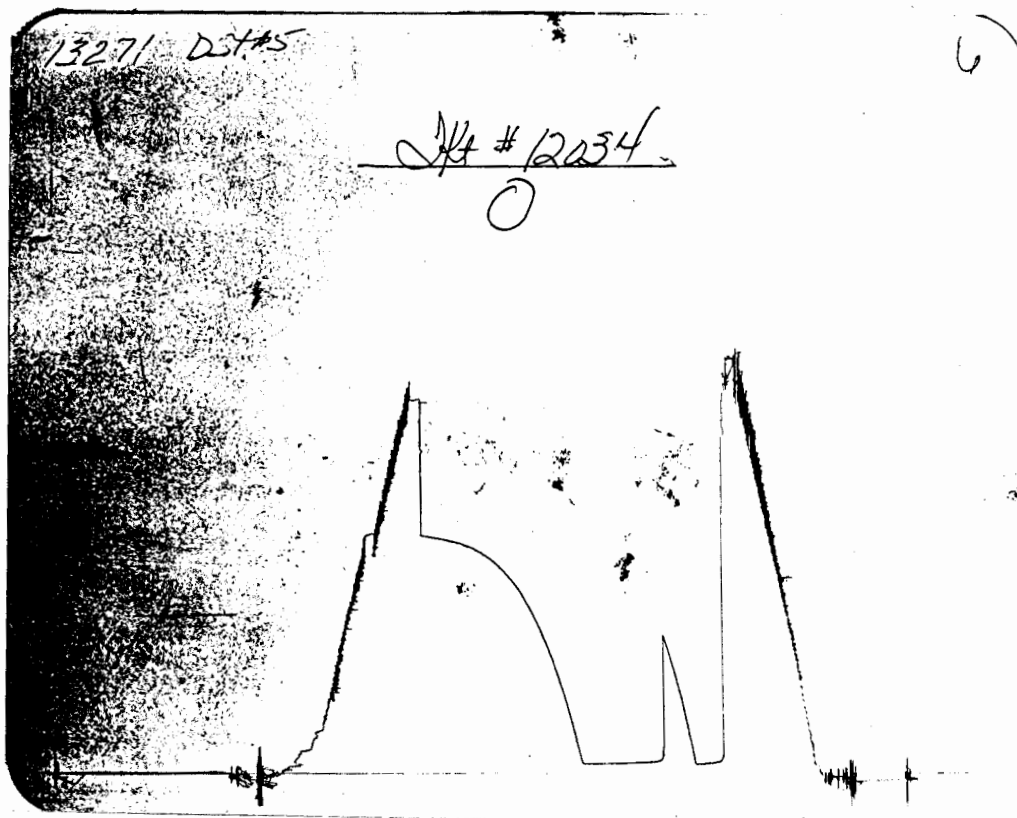
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	1:25: 0	0.000	118.000	120.00	0.000
2	1:29:59	0.083	118.000	120.00	0.000
3	1:35: 0	0.167	118.000	120.00	0.000
4	1:40: 0	0.250	118.000	120.00	0.000
5	1:43: 0	0.300	414.000	120.00	296.000
6	1:46: 0	0.350	438.000	120.00	24.000
7	1:49: 0	0.400	470.000	120.00	32.000
8	1:52: 0	0.450	537.000	120.00	67.000
9	1:55: 0	0.500	683.000	120.00	146.000
10	1:58: 0	0.550	694.000	120.00	11.000
11	2: 1: 0	0.600	787.000	120.00	93.000
12	2: 4: 0	0.650	857.000	120.00	70.000
13	2: 7: 0	0.700	904.000	120.00	47.000
14	2:10: 0	0.750	918.000	120.00	14.000
15	2:11: 0	0.767	118.000	120.00	-800.000
16	2:14:59	0.833	118.000	120.00	0.000
17	2:20: 0	0.917	118.000	120.00	0.000
18	2:25: 0	1.000	118.000	120.00	0.000
19	2:29:59	1.083	118.000	120.00	0.000
20	2:35: 0	1.167	118.000	120.00	0.000
21	2:40: 0	1.250	118.000	120.00	0.000
22	2:44:59	1.333	118.000	120.00	0.000
23	2:50: 0	1.417	118.000	120.00	0.000
24	2:55: 0	1.500	118.000	120.00	0.000
25	2:59:59	1.583	118.000	120.00	0.000
26	3: 5: 0	1.667	118.000	120.00	0.000
27	3:10: 0	1.750	118.000	120.00	0.000
28	3:13: 0	1.800	165.000	120.00	47.000
29	3:16: 0	1.850	265.000	120.00	100.000
30	3:19: 0	1.900	348.000	120.00	83.000
31	3:22: 0	1.950	438.000	120.00	90.000
32	3:25: 0	2.000	532.000	120.00	94.000
33	3:28: 0	2.050	613.000	120.00	81.000
34	3:31: 0	2.100	676.000	120.00	63.000
35	3:34: 0	2.150	753.000	120.00	77.000
36	3:37: 0	2.200	829.000	120.00	76.000
37	3:40: 0	2.250	888.000	120.00	59.000
38	3:43: 0	2.300	951.000	120.00	63.000
39	3:46: 0	2.350	1006.000	120.00	55.000
40	3:49: 0	2.400	1039.000	120.00	33.000
41	3:52: 0	2.450	1113.000	120.00	74.000
42	3:55: 0	2.500	1143.000	120.00	30.000
43	3:58: 0	2.550	1183.000	120.00	40.000
44	4: 1: 0	2.600	1218.000	120.00	35.000
45	4: 4: 0	2.650	1253.000	120.00	35.000
46	4: 7: 0	2.700	1276.000	120.00	23.000
47	4:10: 0	2.750	1304.000	120.00	28.000
48	4:13: 0	2.800	1332.000	120.00	28.000
49	4:16: 0	2.850	1357.000	120.00	25.000
50	4:19: 0	2.900	1369.000	120.00	12.000
51	4:22: 0	2.950	1397.000	120.00	28.000
52	4:25: 0	3.000	1411.000	120.00	14.000

COMPANY : PETROLEUM INC.
WELL : F-1
GAUGE # : 3086
DATE : 10/ 9/87

FIELD : AHERNS
JOB # : 12034
DEPTH : 4816
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	4:28: 0	3.050	1425.000	120.00	14.000
54	4:31: 0	3.100	1437.000	120.00	12.000
55	4:34: 0	3.150	1448.000	120.00	11.000
56	4:37: 0	3.200	1460.000	120.00	12.000
57	4:40: 0	3.250	1472.000	120.00	12.000
58	4:43: 0	3.300	1483.000	120.00	11.000
59	4:46: 0	3.350	1486.000	120.00	3.000
60	4:49: 0	3.400	1493.000	120.00	7.000
61	4:52: 0	3.450	1500.000	120.00	7.000
62	4:55: 0	3.500	1502.000	120.00	2.000
63	4:58: 0	3.550	1509.000	120.00	7.000
64	5: 1: 0	3.600	1513.000	120.00	4.000
65	5: 4: 0	3.650	1516.000	120.00	3.000
66	5: 7: 0	3.700	1518.000	120.00	2.000
67	5:10: 0	3.750	1520.000	120.00	2.000

WESTERN TESTING CO. INC.



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PETROLEUM, INC.

LEASE & WELL NO.

AHERNS F-1

SEC. 35

TWP. 28S

RGE. 18W

TEST NO. 6

DATE 9/11/87

CNE-NW

15-097-21,248

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	9/11/87	TICKET	:	12035
CUSTOMER	:	PETROLEUM INC.	LEASE	:	AHERNS
WELL	:	F-1	TEST:	:	6
ELEVATION	:	2243	GEOLOGIST	:	?
SECTION	:	35	FORMATION	:	MISSISSIPPI
RANGE	:	18W	TOWNSHIP	:	28S
	:		STATE	:	KANSAS
GAUGE SN#	:	3086	CLOCK	:	12
	:		COUNTY	:	KIOWA
	:		RANGE	:	4500

INTERVAL FROM	:	4820	TO	:	4900	TOTAL DEPTH	:	4900
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4815	SIZE	:	6.63			
PACKER DEPTH	:	4820	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE RIG 2			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	57
WEIGHT	:	9.2	WATER LOSS (CC)	:	16.
CHLORIDES (PPM)	:	14000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	300	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4498	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	80	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 TO VERY WEAK BLOW.
BLOW COMMENT #2	:	FINAL FLOW PERIOD STRONG BLOW-NO GAS TO SURFACE.
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 90 FT OF: DRILLING MUD

Total Barrels Fluid = 0.44
Total Fluid Prod Rate = 8.50 BFPD
Indicated Wtr Rate = 0.85 BWPD

REMARK 1 :

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 8:50 PM

TIME STARTED OFF BOTTOM : 12:35 AM

WELL TEMPERATURE : 125

INITIAL HYDROSTATIC PRESSURE

(A) 2442

INITIAL FLOW PERIOD MIN: 15

(B) 30 PSI TO (C) : 30

INITIAL CLOSED IN PERIOD MIN: 30

(D) 431

FINAL FLOW PERIOD MIN: 60

(E) 30 PSI TO (F) : 30

FINAL CLOSED IN PERIOD MIN: 117

(G) 1227

FINAL HYDROSTATIC PRESSURE

(H) 2364

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC.
RIG : KIOWA-KANSAS
FIELD : AHERNS
WELL : F-1
DATE : 9/11/87
GAUGE NO : 3086

OPERATIONAL COMMENTS

COMPANY : PETROLEUM INC.
WELL : F-1
GAUGE # : 3086
DATE : 11/ 9/87

FIELD : AHERNS
JOB # : 12035
DEPTH : 4900
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	8:50: 0	0.000	30.000	125.00	0.000
2	8:54:59	0.083	30.000	125.00	0.000
3	9: 0: 0	0.167	30.000	125.00	0.000
4	9: 5: 0	0.250	30.000	125.00	0.000
5	9: 8: 0	0.300	36.000	125.00	6.000
6	9:11: 0	0.350	40.000	125.00	4.000
7	9:14: 0	0.400	49.000	125.00	9.000
8	9:17: 0	0.450	61.000	125.00	12.000
9	9:20: 0	0.500	99.000	125.00	38.000
10	9:23: 0	0.550	175.000	125.00	76.000
11	9:26: 0	0.600	246.000	125.00	71.000
12	9:29: 0	0.650	308.000	125.00	62.000
13	9:32: 0	0.700	359.000	125.00	51.000
14	9:35: 0	0.750	431.000	125.00	72.000
15	9:36: 0	0.767	30.000	125.00	-401.000
16	9:39:59	0.833	30.000	125.00	0.000
17	9:45: 0	0.917	30.000	125.00	0.000
18	9:50: 0	1.000	30.000	125.00	0.000
19	9:54:59	1.083	30.000	125.00	0.000
20	10: 0: 0	1.167	30.000	125.00	0.000
21	10: 5: 0	1.250	30.000	125.00	0.000
22	10: 9:59	1.333	30.000	125.00	0.000
23	10:15: 0	1.417	30.000	125.00	0.000
24	10:20: 0	1.500	30.000	125.00	0.000
25	10:24:59	1.583	30.000	125.00	0.000
26	10:30: 0	1.667	30.000	125.00	0.000
27	10:35: 0	1.750	30.000	125.00	0.000
28	10:38: 0	1.800	54.000	125.00	24.000
29	10:41: 0	1.850	101.000	125.00	47.000
30	10:44: 0	1.900	153.000	125.00	52.000
31	10:47: 0	1.950	206.000	125.00	53.000
32	10:50: 0	2.000	258.000	125.00	52.000
33	10:53: 0	2.050	303.000	125.00	45.000
34	10:56: 0	2.100	355.000	125.00	52.000
35	10:59: 0	2.150	405.000	125.00	50.000
36	11: 2: 0	2.200	454.000	125.00	49.000
37	11: 5: 0	2.250	497.000	125.00	43.000
38	11: 8: 0	2.300	539.000	125.00	42.000
39	11:11: 0	2.350	583.000	125.00	44.000
40	11:14: 0	2.400	622.000	125.00	39.000
41	11:17: 0	2.450	660.000	125.00	38.000
42	11:20: 0	2.500	701.000	125.00	41.000
43	11:23: 0	2.550	734.000	125.00	33.000
44	11:26: 0	2.600	769.000	125.00	35.000
45	11:29: 0	2.650	799.000	125.00	30.000
46	11:32: 0	2.700	832.000	125.00	33.000
47	11:35: 0	2.750	862.000	125.00	30.000
48	11:38: 0	2.800	892.000	125.00	30.000
49	11:41: 0	2.850	920.000	125.00	28.000
50	11:44: 0	2.900	948.000	125.00	28.000
51	11:47: 0	2.950	973.000	125.00	25.000
52	11:50: 0	3.000	995.000	125.00	22.000

COMPANY : PETROLEUM INC.
WELL : F-1
GAUGE # : 3086
DATE : 11/ 9/87

FIELD : AHERNS
JOB # : 12035
DEPTH : 4900
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(i-1)
53	11:53: 0	3.050	1018.000	125.00	23.000
54	11:56: 0	3.100	1040.000	125.00	22.000
55	11:59: 0	3.150	1060.000	125.00	20.000
56	12: 2: 0	3.200	1081.000	125.00	21.000
57	12: 5: 0	3.250	1099.000	125.00	18.000
58	12: 8: 0	3.300	1117.000	125.00	18.000
59	12:11: 0	3.350	1133.000	125.00	16.000
60	12:14: 0	3.400	1148.000	125.00	15.000
61	12:17: 0	3.450	1162.000	125.00	14.000
62	12:20: 0	3.500	1178.000	125.00	16.000
63	12:23: 0	3.550	1193.000	125.00	15.000
64	12:26: 0	3.600	1205.000	125.00	12.000
65	12:29: 0	3.650	1215.000	125.00	10.000
66	12:32: 0	3.700	1227.000	125.00	12.000

WESTERN TESTING CO. INC.

13271 DST#6

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2kt #12035

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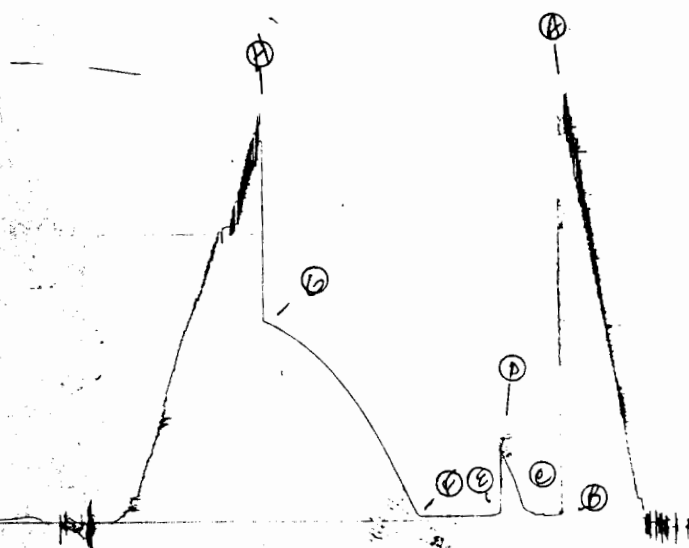


3086 DST#6

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2kt #12035

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

PETROLEUM, INC.

LEASE & WELL NO.

AHERNS F-1

SEC. 35

TWP. 28S

RGE. 18W

TEST NO. 7

DATE 9/13/87

C NE - NW

15-097-21,248

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	9-13-87	TICKET	:	12036
CUSTOMER	:	PETROLEUM INC.	LEASE	:	AHERNS
WELL	:	F-1	TEST:	:	7
ELEVATION	:	2243 GL	GEOLOGIST	:	M. MARINE
SECTION	:	35	FORMATION	:	MISSISSIPPI
RANGE	:	18W	COUNTY	:	KIOWA
GAUGE SN#	:	13271	STATE	:	KANSAS
			RANGE	:	4400
			CLOCK	:	12

INTERVAL FROM	:	4897	TO	:	4926	TOTAL DEPTH	:	4968
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4892	SIZE	:	6.63			
PACKER DEPTH	:	4897	SIZE	:	6.63			
PACKER DEPTH	:	4926	SIZE	:	6.63			
PACKER DEPTH	:	4931	SIZE	:	6.63			

DRILLING CON.	:	BLUE GOOSE	RIG #2		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	45
WEIGHT	:	9.2	WATER LOSS (CC)	:	12
CHLORIDES (PPM)	:	13000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	300	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4575	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	29	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	:	VERY WEAK STEADY BLOW ON THE INITIAL FLOW.
BLOW COMMENT #2	:	VERY WEAK STEADY BLOW ON THE FINAL FLOW.
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 60 FT OF: WATER CUT MUD
RECOVERED : 125 FT OF: MUDDY WATER

Total Barrels Fluid = 0.91
Total Fluid Prod Rate = 17.47 BFPD
Indicated Wtr Rate = 8.97 BWPD

REMARK 1 :
REMARK 2 : 42 FEET OF TAIL PIPE.
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	2:35 PM	TIME STARTED OFF BOTTOM :	6:20 PM
WELL TEMPERATURE :	120		
INITIAL HYDROSTATIC PRESSURE		(A)	2475
INITIAL FLOW PERIOD MIN:	15	(B)	75 PSI TO (C) : 75
INITIAL CLOSED IN PERIOD MIN:	30	(D)	1437
FINAL FLOW PERIOD MIN:	60	(E)	118 PSI TO (F) : 118
FINAL CLOSED IN PERIOD MIN:	117	(G)	1467
FINAL HYDROSTATIC PRESSURE		(H)	2410

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC.
RIG : KIOWA-KANSAS
FIELD : AHERNS
WELL : F-1
DATE : 9-13-87
GAUGE NO : 13271

OPERATIONAL COMMENTS

42 FEET OF TAIL PIPE.

COMPANY : PETROLEUM INC.
WELL : F-1
GAUGE # : 13271
DATE : 13/ 9/87

FIELD : AHERNS
JOB # : 12036
DEPTH : 4968
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	2:35: 0	0.000	75.000	120.00	0.000
2	2:39:59	0.083	75.000	120.00	0.000
3	2:45: 0	0.167	75.000	120.00	0.000
4	2:50: 0	0.250	75.000	120.00	0.000
5	2:53: 0	0.300	940.000	120.00	865.000
6	2:56: 0	0.350	1140.000	120.00	200.000
7	2:59: 0	0.400	1235.000	120.00	95.000
8	3: 2: 0	0.450	1292.000	120.00	57.000
9	3: 5: 0	0.500	1336.000	120.00	44.000
10	3: 8: 0	0.550	1370.000	120.00	34.000
11	3:11: 0	0.600	1393.000	120.00	23.000
12	3:14: 0	0.650	1412.000	120.00	19.000
13	3:17: 0	0.700	1426.000	120.00	14.000
14	3:20: 0	0.750	1437.000	120.00	11.000
15	3:21: 0	0.767	118.000	120.00	-1319.000
16	3:24:59	0.833	118.000	120.00	0.000
17	3:30: 0	0.917	118.000	120.00	0.000
18	3:35: 0	1.000	118.000	120.00	0.000
19	3:39:59	1.083	118.000	120.00	0.000
20	3:45: 0	1.167	118.000	120.00	0.000
21	3:50: 0	1.250	118.000	120.00	0.000
22	3:54:59	1.333	118.000	120.00	0.000
23	4: 0: 0	1.417	118.000	120.00	0.000
24	4: 5: 0	1.500	118.000	120.00	0.000
25	4: 9:59	1.583	118.000	120.00	0.000
26	4:15: 0	1.667	118.000	120.00	0.000
27	4:20: 0	1.750	118.000	120.00	0.000
28	4:23: 0	1.800	424.000	120.00	306.000
29	4:26: 0	1.850	817.000	120.00	393.000
30	4:29: 0	1.900	960.000	120.00	143.000
31	4:32: 0	1.950	1108.000	120.00	148.000
32	4:35: 0	2.000	1160.000	120.00	52.000
33	4:38: 0	2.050	1194.000	120.00	34.000
34	4:41: 0	2.100	1227.000	120.00	33.000
35	4:44: 0	2.150	1255.000	120.00	28.000
36	4:47: 0	2.200	1279.000	120.00	24.000
37	4:50: 0	2.250	1303.000	120.00	24.000
38	4:53: 0	2.300	1322.000	120.00	19.000
39	4:56: 0	2.350	1335.000	120.00	13.000
40	4:59: 0	2.400	1348.000	120.00	13.000
41	5: 2: 0	2.450	1359.000	120.00	11.000
42	5: 5: 0	2.500	1371.000	120.00	12.000
43	5: 8: 0	2.550	1381.000	120.00	10.000
44	5:11: 0	2.600	1389.000	120.00	8.000
45	5:14: 0	2.650	1397.000	120.00	8.000
46	5:17: 0	2.700	1402.000	120.00	5.000
47	5:20: 0	2.750	1409.000	120.00	7.000
48	5:23: 0	2.800	1415.000	120.00	6.000
49	5:26: 0	2.850	1419.000	120.00	4.000
50	5:29: 0	2.900	1424.000	120.00	5.000
51	5:32: 0	2.950	1428.000	120.00	4.000
52	5:35: 0	3.000	1432.000	120.00	4.000

COMPANY : PETROLEUM INC.
WELL : F-1
GAUGE # : 13271
DATE : 13/ 9/87

FIELD : AHERNS
JOB # : 12036
DEPTH : 4968
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
53	5:38: 0	3.050	1436.000	120.00	4.000
54	5:41: 0	3.100	1440.000	120.00	4.000
55	5:44: 0	3.150	1443.000	120.00	3.000
56	5:47: 0	3.200	1446.000	120.00	3.000
57	5:50: 0	3.250	1449.000	120.00	3.000
58	5:53: 0	3.300	1452.000	120.00	3.000
59	5:56: 0	3.350	1455.000	120.00	3.000
60	5:59: 0	3.400	1457.000	120.00	2.000
61	6: 2: 0	3.450	1459.000	120.00	2.000
62	6: 5: 0	3.500	1461.000	120.00	2.000
63	6: 8: 0	3.550	1463.000	120.00	2.000
64	6:11: 0	3.600	1465.000	120.00	2.000
65	6:14: 0	3.650	1466.000	120.00	1.000
66	6:17: 0	3.700	1467.000	120.00	1.000

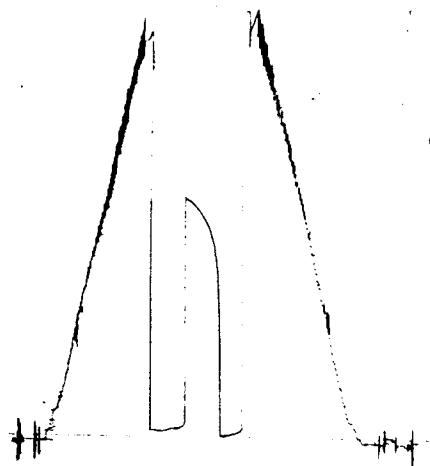
WESTERN TESTING CO. INC.

3086 DST# 7

6

St # 12036

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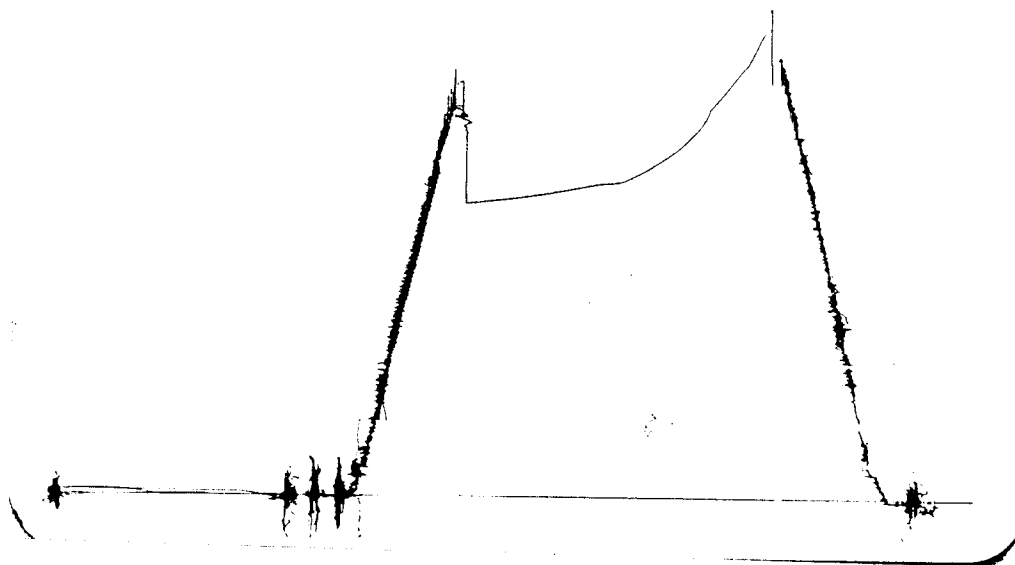


13362 DST# 7

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St # 12036

Below Straddle



13271 - DST #7

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JK # 12036

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