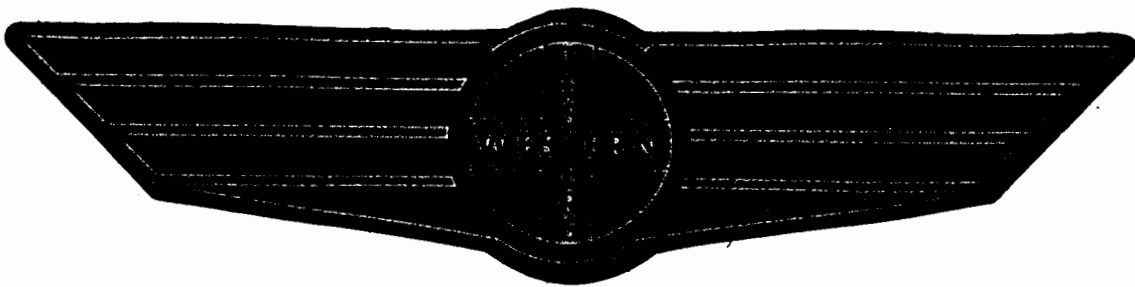


FORMATION TEST REPORT

JUL 2 1991



Home Office:

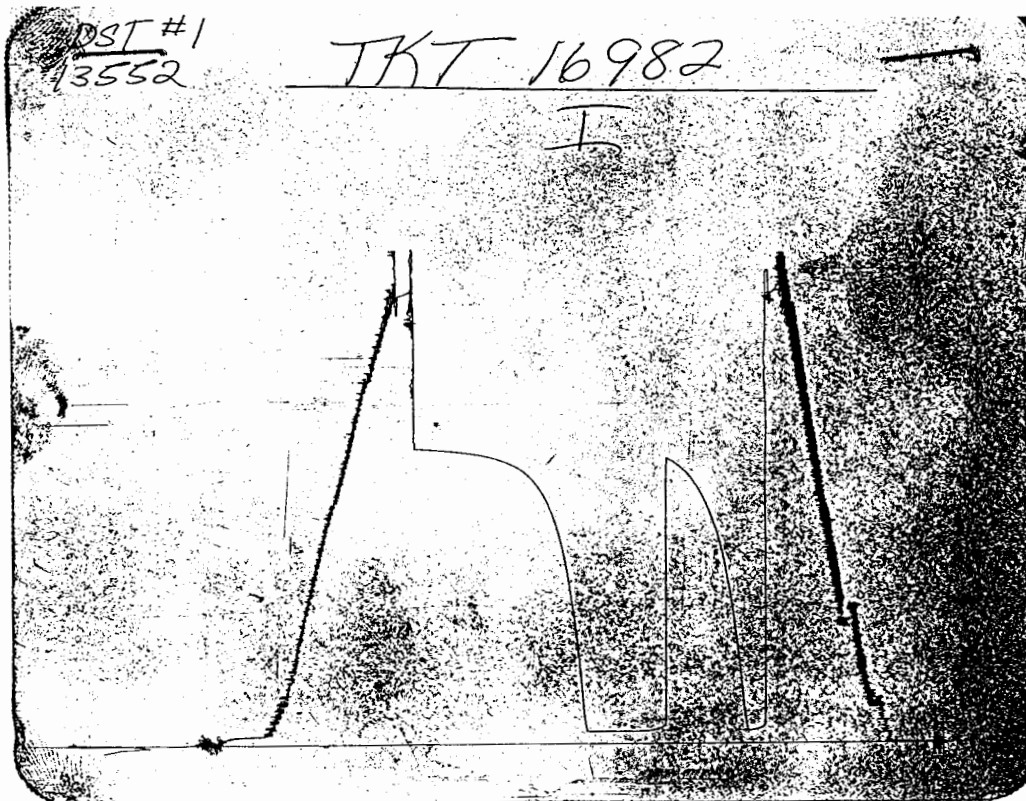
Wichita, Kansas 67201

P.O. Box 1599

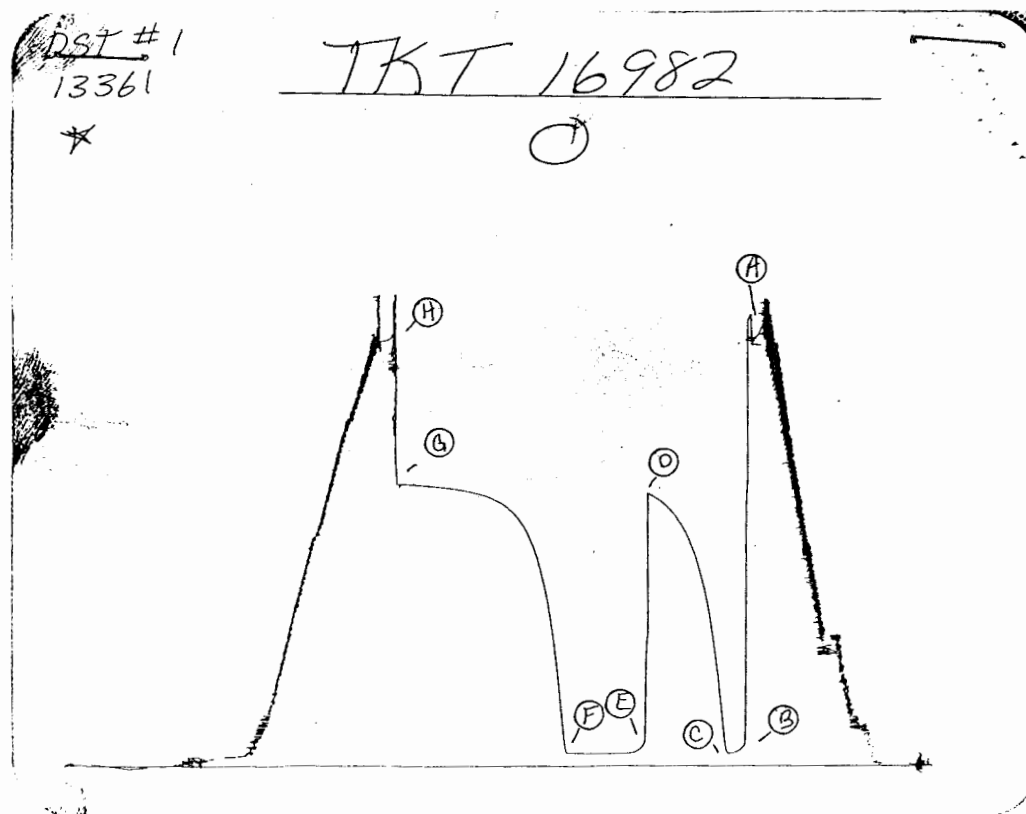
Phone 1-800-688-7021

K C C

JUL 17 1991



Inside Recorder



Outside Recorder

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4/21/91	TICKET	:	16982
CUSTOMER	:	ADVANTAGE RESOURCES INC.	LEASE	:	JOHN YOHN
WELL	:	1	TEST:	:	1
ELEVATION	:	2214 KB	GEOLOGIST	:	WELTY
SECTION	:	17	FORMATION	:	MISSISSIPPI
RANGE	:	17W	COUNTY	:	KIOWA
GAUGE SN#	:	13361	RANGE	:	4250
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	4775	TO	:	4818	TOTAL DEPTH	:	4818
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4770	SIZE	:	6.63			
PACKER DEPTH	:	4775	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	STERLING DRLG RIG 2			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	45
WEIGHT	:	9.4	WATER LOSS (CC)	:	11.2
CHLORIDES (PPM)	:	6000			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	420
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	468	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4278	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	29	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	:	4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD VERY STRONG BLOW.
BLOW COMMENT #2 : FINAL FLOW PERIOD STRONG BLOW-GAS TO
BLOW COMMENT #3 : SURFACE IN 10 MINUTES-TOO WEAK TO GAUGE.
BLOW COMMENT #4 :

RECOVERED : 65 FT OF: MUD

Total Barrels Fluid = 0.32
Total Fluid Prod Rate = 6.14 BFPD
Indicated Wtr Rate = 0.61 BWPD

REMARK 1 :
REMARK 2 : READ OUTSIDE CHART
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 9:22 PM

TIME STARTED OFF BOTTOM : 1:37 AM

WELL TEMPERATURE : 118

INITIAL HYDROSTATIC PRESSURE

(A) 2374

INITIAL FLOW PERIOD MIN: 15

(B) 115 PSI TO (C) : 72

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1512

FINAL FLOW PERIOD MIN: 60

(E) 73 PSI TO (F) : 73

FINAL CLOSED IN PERIOD MIN: 123

(G) 1561

FINAL HYDROSTATIC PRESSURE

(H) 2354

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : ADVANTAGE RESOURCES INC.
RIG : KIOWA-KANSAS
FIELD : JOHN YOHN
WELL : 1
DATE : 4/21/91
GAUGE NO : 13361

OPERATIONAL COMMENTS

READ OUTSIDE CHART

COMPANY : ADVANTAGE RESOURCES INC.
WELL : 1
GAUGE # : 13361
DATE : 21/ 4/91

FIELD : JOHN YOHN
JOB # : 16982
DEPTH : 4818
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	9:22: 0	0.000	115.000	118.00	0.000
3	9:26:59	0.083	87.000	118.00	-28.000
4	9:32: 0	0.167	75.000	118.00	-12.000
5	9:37: 0	0.250	72.000	118.00	-3.000
INITIAL SHUT-IN PERIOD					
6	9:40: 0	0.300	355.000	118.00	283.000
7	9:43: 0	0.350	523.000	118.00	168.000
8	9:46: 0	0.400	668.000	118.00	145.000
9	9:49: 0	0.450	811.000	118.00	143.000
10	9:52: 0	0.500	922.000	118.00	111.000
11	9:55: 0	0.550	1011.000	118.00	89.000
12	9:58: 0	0.600	1098.000	118.00	87.000
13	10: 1: 0	0.650	1167.000	118.00	69.000
14	10: 4: 0	0.700	1224.000	118.00	57.000
15	10: 7: 0	0.750	1282.000	118.00	58.000
16	10:10: 0	0.800	1322.000	118.00	40.000
17	10:13: 0	0.850	1358.000	118.00	36.000
18	10:16: 0	0.900	1392.000	118.00	34.000
19	10:19: 0	0.950	1417.000	118.00	25.000
20	10:22: 0	1.000	1442.000	118.00	25.000
21	10:25: 0	1.050	1462.000	118.00	20.000
22	10:28: 0	1.100	1479.000	118.00	17.000
23	10:31: 0	1.150	1492.000	118.00	13.000
24	10:34: 0	1.200	1505.000	118.00	13.000
25	10:37: 0	1.250	1512.000	118.00	7.000
FINAL FLOW PERIOD					
26	10:38: 0	1.267	73.000	118.00	-1439.000
27	10:41:59	1.333	73.000	118.00	0.000
28	10:47: 0	1.417	73.000	118.00	0.000
29	10:52: 0	1.500	73.000	118.00	0.000
30	10:56:59	1.583	73.000	118.00	0.000
31	11: 2: 0	1.667	73.000	118.00	0.000
32	11: 7: 0	1.750	73.000	118.00	0.000
33	11:11:59	1.833	73.000	118.00	0.000
34	11:17: 0	1.917	73.000	118.00	0.000
35	11:22: 0	2.000	73.000	118.00	0.000
36	11:26:59	2.083	73.000	118.00	0.000
37	11:32: 0	2.167	73.000	118.00	0.000
38	11:37: 0	2.250	73.000	118.00	0.000
FINAL SHUT-IN PERIOD					
39	11:40: 0	2.300	398.000	118.00	325.000
40	11:43: 0	2.350	578.000	118.00	180.000
41	11:46: 0	2.400	742.000	118.00	164.000
42	11:49: 0	2.450	871.000	118.00	129.000
43	11:52: 0	2.500	976.000	118.00	105.000
44	11:55: 0	2.550	1068.000	118.00	92.000
45	11:58: 0	2.600	1149.000	118.00	81.000
46	12: 1: 0	2.650	1205.000	118.00	56.000
47	12: 4: 0	2.700	1256.000	118.00	51.000
48	12: 7: 0	2.750	1310.000	118.00	54.000

COMPANY : ADVANTAGE RESOURCES INC.
WELL : 1
GAUGE # : 13361
DATE : 21/ 4/91

FIELD : JOHN YOHN
JOB # : 16982
DEPTH : 4818
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	12:10: 0	2.800	1347.000	118.00	37.000
50	12:13: 0	2.850	1379.000	118.00	32.000
51	12:16: 0	2.900	1402.000	118.00	23.000
52	12:19: 0	2.950	1425.000	118.00	23.000
53	12:22: 0	3.000	1444.000	118.00	19.000
54	12:25: 0	3.050	1458.000	118.00	14.000
55	12:28: 0	3.100	1470.000	118.00	12.000
56	12:31: 0	3.150	1480.000	118.00	10.000
57	12:34: 0	3.200	1490.000	118.00	10.000
58	12:37: 0	3.250	1500.000	118.00	10.000
59	12:40: 0	3.300	1507.000	118.00	7.000
60	12:43: 0	3.350	1511.000	118.00	4.000
61	12:46: 0	3.400	1516.000	118.00	5.000
62	12:49: 0	3.450	1521.000	118.00	5.000
63	12:52: 0	3.500	1526.000	118.00	5.000
64	12:55: 0	3.550	1529.000	118.00	3.000
65	12:58: 0	3.600	1532.000	118.00	3.000
66	13: 1: 0	3.650	1536.000	118.00	4.000
67	13: 4: 0	3.700	1539.000	118.00	3.000
68	13: 7: 0	3.750	1542.000	118.00	3.000
69	13:10: 0	3.800	1545.000	118.00	3.000
70	13:13: 0	3.850	1547.000	118.00	2.000
71	13:16: 0	3.900	1549.000	118.00	2.000
72	13:19: 0	3.950	1550.000	118.00	1.000
73	13:22: 0	4.000	1552.000	118.00	2.000
74	13:25: 0	4.050	1554.000	118.00	2.000
75	13:28: 0	4.100	1556.000	118.00	2.000
76	13:31: 0	4.150	1558.000	118.00	2.000
77	13:34: 0	4.200	1559.000	118.00	1.000
78	13:37: 0	4.250	1560.000	118.00	1.000
79	13:40: 0	4.300	1561.000	118.00	1.000

WESTERN TESTING CO. INC.