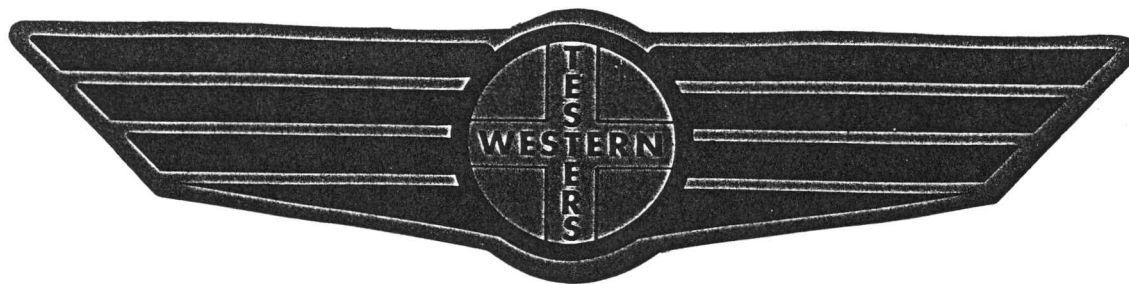


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone **1 - 800-688-7021**

COMPANY COATS & MALONE, INC. LEASE & WELL NO. ASH #1 SEC. 27 TWP. 32S RGE. 12W TEST NO. 1 DATE 4/26/91

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4-26-91	TICKET	:	16984
CUSTOMER	:	COATS & MALONE INC.	LEASE	:	ASH
WELL	:	1	TEST:	:	1
ELEVATION	:	1610 KB	GEOLOGIST	:	D. MALONE
SECTION	:	27	FORMATION	:	MISSISSIPPIAN
RANGE	:	12W	TOWNSHIP	:	32S
GAUGE SN#	:	13361	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
			4250		12

INTERVAL FROM	:	4447	TO	:	4476	TOTAL DEPTH	:	4476
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4442	SIZE	:	6.63			
PACKER DEPTH	:	4447	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	LOBO DRILLING RIG 1			
MUD TYPE	:	LOW-SOLIDS	VISCOSITY	:	39
WEIGHT	:	9.4	WATER LOSS (CC)	:	10.8
CHLORIDES (PPM)	:	6500			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	512	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	3912	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	23	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	:	4.5XH

BLOW COMMENT #1	:	INITIAL FLOW PERIODS STRONG BLOW-12 INCH IN 4 MIN.
BLOW COMMENT #2	:	FINAL FLOW PERIODS VERY WEAK BLOW-6 INCH.
BLOW COMMENT #3	:	NO GAS TO SURFACE.
BLOW COMMENT #4	:	

RECOVERED : 50 FT OF: GAS CUT OIL & MUD-5%GAS:10%OIL:85%MUD
RECOVERED : 5 FT OF: MUD

Total Barrels Fluid = 0.39
Total Fluid Prod Rate = 5.34 BFPD
Indicated Oil Rate = 0.53 BOPD
Indicated Wtr Rate = 0.41 BWPD
Corrected Oil Rate = 1.30 BOPD
Corrected Wtr Rate = 1.00 BWPD

REMARK 1 :
REMARK 2 : RECOVERED 540 FT. OF GAS ABOVE FLUID
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 4:30 A.M. TIME STARTED OFF BOTTOM : 8:15 A.M.
WELL TEMPERATURE : 118
INITIAL HYDROSTATIC PRESSURE (A) 2235
INITIAL FLOW PERIOD MIN: 45 (B) 49 PSI TO (C) : 49
INITIAL CLOSED IN PERIOD MIN: 60 (D) 101
FINAL FLOW PERIOD MIN: 60 (E) 54 PSI TO (F) : 54
FINAL CLOSED IN PERIOD MIN: 60 (G) 139
FINAL HYDROSTATIC PRESSURE (H) 2204

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : COATS & MALONE INC.
RIG : BARBER-KANSAS
FIELD : ASH
WELL : 1
DATE : 4-26-91
GAUGE NO : 13361

OPERATIONAL COMMENTS

RECOVERED 540 FT. OF GAS ABOVE FLUID

COMPANY : COATS & MALONE INC.
WELL : 1
GAUGE # : 13361
DATE : 26/ 4/91

FIELD : ASH
JOB # : 16984
DEPTH : 4476
TEST :

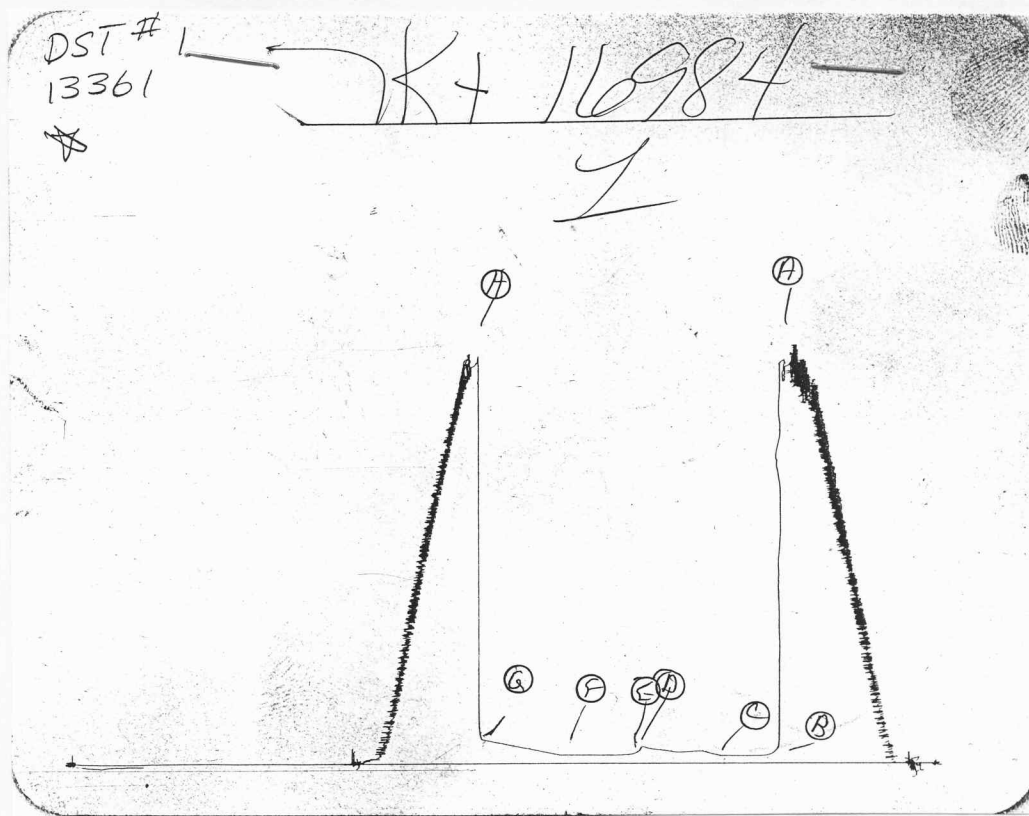
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	4:30: 0	0.000	49.000	118.00	0.000
3	4:34:59	0.083	49.000	118.00	0.000
4	4:40: 0	0.167	49.000	118.00	0.000
5	4:45: 0	0.250	49.000	118.00	0.000
6	4:49:59	0.333	49.000	118.00	0.000
7	4:55: 0	0.417	49.000	118.00	0.000
8	5: 0: 0	0.500	49.000	118.00	0.000
9	5: 4:59	0.583	49.000	118.00	0.000
10	5:10: 0	0.667	49.000	118.00	0.000
11	5:15: 0	0.750	49.000	118.00	0.000
INITIAL SHUT-IN PERIOD					
12	5:18: 0	0.800	56.000	118.00	7.000
13	5:21: 0	0.850	60.000	118.00	4.000
14	5:24: 0	0.900	66.000	118.00	6.000
15	5:27: 0	0.950	71.000	118.00	5.000
16	5:30: 0	1.000	75.000	118.00	4.000
17	5:33: 0	1.050	75.000	118.00	0.000
18	5:36: 0	1.100	75.000	118.00	0.000
19	5:39: 0	1.150	75.000	118.00	0.000
20	5:42: 0	1.200	75.000	118.00	0.000
21	5:45: 0	1.250	75.000	118.00	0.000
22	5:48: 0	1.300	75.000	118.00	0.000
23	5:51: 0	1.350	75.000	118.00	0.000
24	5:54: 0	1.400	75.000	118.00	0.000
25	5:57: 0	1.450	79.000	118.00	4.000
26	6: 0: 0	1.500	82.000	118.00	3.000
27	6: 3: 0	1.550	84.000	118.00	2.000
28	6: 6: 0	1.600	87.000	118.00	3.000
29	6: 9: 0	1.650	92.000	118.00	5.000
30	6:12: 0	1.700	98.000	118.00	6.000
31	6:15: 0	1.750	101.000	118.00	3.000
FINAL FLOW PERIOD					
32	6:16: 0	1.767	54.000	118.00	-47.000
33	6:19:59	1.833	54.000	118.00	0.000
34	6:25: 0	1.917	54.000	118.00	0.000
35	6:30: 0	2.000	54.000	118.00	0.000
36	6:34:59	2.083	54.000	118.00	0.000
37	6:40: 0	2.167	54.000	118.00	0.000
38	6:45: 0	2.250	54.000	118.00	0.000
39	6:49:59	2.333	54.000	118.00	0.000
40	6:55: 0	2.417	54.000	118.00	0.000
41	7: 0: 0	2.500	54.000	118.00	0.000
42	7: 4:59	2.583	54.000	118.00	0.000
43	7:10: 0	2.667	54.000	118.00	0.000
44	7:15: 0	2.750	54.000	118.00	0.000
FINAL SHUT-IN PERIOD					
45	7:18: 0	2.800	57.000	118.00	3.000
46	7:21: 0	2.850	61.000	118.00	4.000
47	7:24: 0	2.900	66.000	118.00	5.000
48	7:27: 0	2.950	71.000	118.00	5.000

COMPANY : COATS & MALONE INC.
WELL : 1
GAUGE # : 13361
DATE : 26/ 4/91

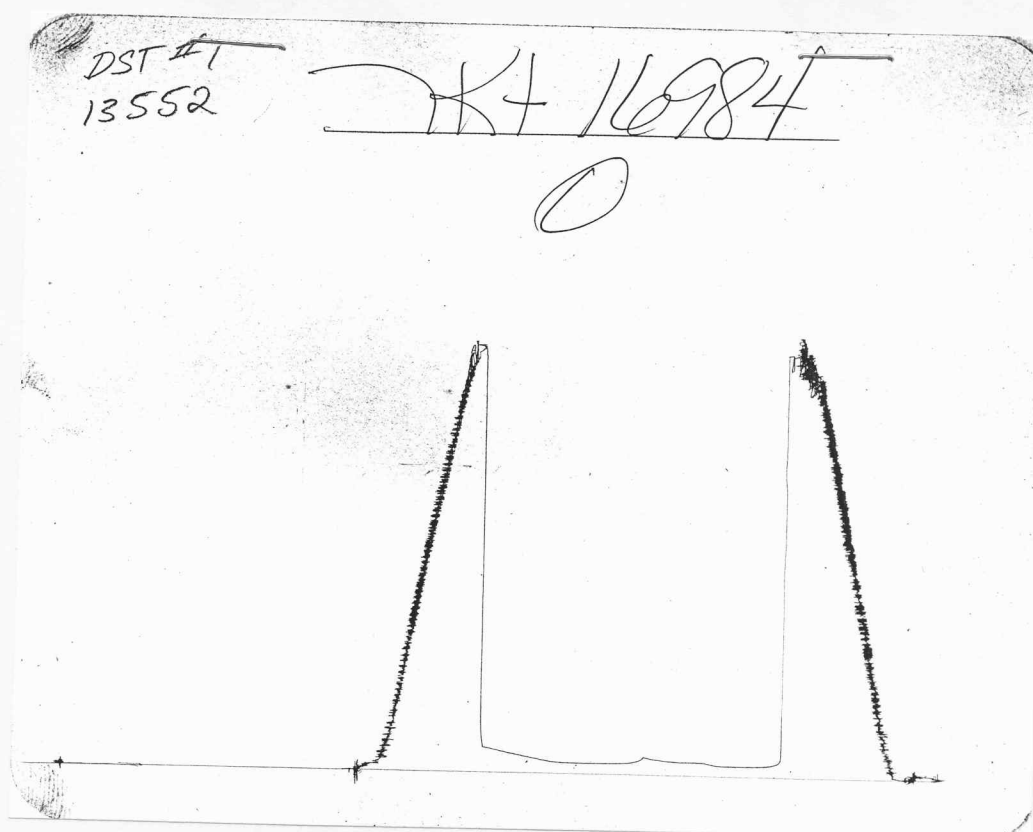
FIELD : ASH
JOB # : 16984
DEPTH : 4476
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	7:30: 0	3.000	75.000	118.00	4.000
50	7:33: 0	3.050	81.000	118.00	6.000
51	7:36: 0	3.100	85.000	118.00	4.000
52	7:39: 0	3.150	89.000	118.00	4.000
53	7:42: 0	3.200	93.000	118.00	4.000
54	7:45: 0	3.250	99.000	118.00	6.000
55	7:48: 0	3.300	103.000	118.00	4.000
56	7:51: 0	3.350	108.000	118.00	5.000
57	7:54: 0	3.400	112.000	118.00	4.000
58	7:57: 0	3.450	117.000	118.00	5.000
59	8: 0: 0	3.500	120.000	118.00	3.000
60	8: 3: 0	3.550	124.000	118.00	4.000
61	8: 6: 0	3.600	130.000	118.00	6.000
62	8: 9: 0	3.650	135.000	118.00	5.000
63	8:12: 0	3.700	137.000	118.00	2.000
64	8:15: 0	3.750	139.000	118.00	2.000

WESTERN TESTING CO. INC.

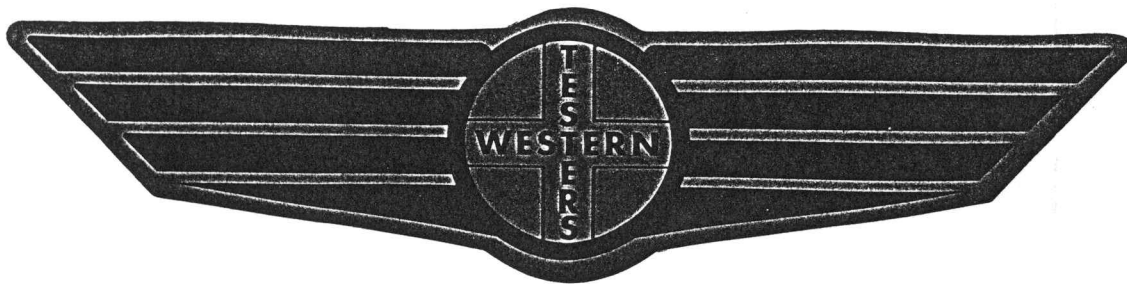


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY COATS & MALONE, INC.

LEASE & WELL NO.

ASH #1

SEC. 27

TWP.

32S RGE.

12W TEST NO. 2

DATE

4/27/91

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4-27-91	TICKET	:	16985
CUSTOMER	:	COATS & MALONE INC.	LEASE	:	ASH
WELL	:	1	TEST:	:	2
ELEVATION	:	1610 KB	GEOLOGIST	:	D. MALONE
SECTION	:	27	FORMATION	:	MISSISSIPPIAN
RANGE	:	12W	TOWNSHIP	:	32S
	:	COUNTY :	STATE	:	KANSAS
GAUGE SN#	:	13552	RANGE :	:	4050
	:		CLOCK	:	12

INTERVAL FROM	:	4476	TO	:	4503	TOTAL DEPTH	:	4503
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4471	SIZE	:	6.63			
PACKER DEPTH	:	4476	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	LOBO DRILLING RIG 1			
MUD TYPE	:	LOW-SOLIDS	VISCOSITY	:	49
WEIGHT	:	9.3	WATER LOSS (CC)	:	10.0
CHLORIDES (PPM)	:	7000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	512	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	3941	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	23	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	:	4.5XH

BLOW COMMENT #1	:	INITIAL FLOW PERIOD VERY WEAK 6 INCH BLOW.
BLOW COMMENT #2	:	FINAL FLOW PERIOD VERY WEAK 3 INCH BLOW.
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 40 FT OF: GAS & OIL SPOTTED MUD

Total Barrels Fluid = 0.28
Total Fluid Prod Rate = 6.80 BFPD
Indicated Oil Rate = 0.07 BOPD
Indicated Wtr Rate = 0.68 BWPD

REMARK 1 :
REMARK 2 : READ OUTSIDE RECORDER 13552
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	5:33 P.M.	TIME STARTED OFF BOTTOM :	8:03 P.M.
WELL TEMPERATURE :	118		
INITIAL HYDROSTATIC PRESSURE		(A)	2218
INITIAL FLOW PERIOD MIN:	30	(B)	53 PSI TO (C) : 53
INITIAL CLOSED IN PERIOD MIN:	42	(D)	71
FINAL FLOW PERIOD MIN:	30	(E)	53 PSI TO (F) : 53
FINAL CLOSED IN PERIOD MIN:	45	(G)	81
FINAL HYDROSTATIC PRESSURE		(H)	2194

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : COATS & MALONE INC.
RIG : BARBER-KANSAS
FIELD : ASH
WELL : 1
DATE : 4-27-91
GAUGE NO : 13552

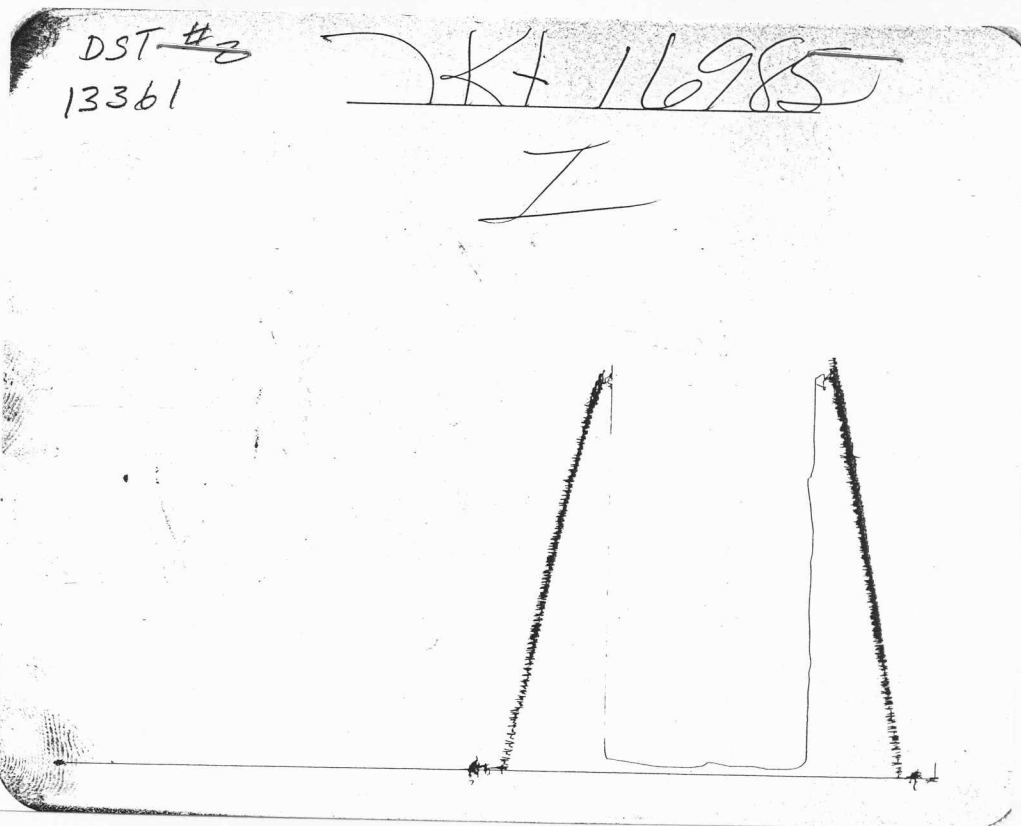
OPERATIONAL COMMENTS

READ OUTSIDE RECORDER 13552

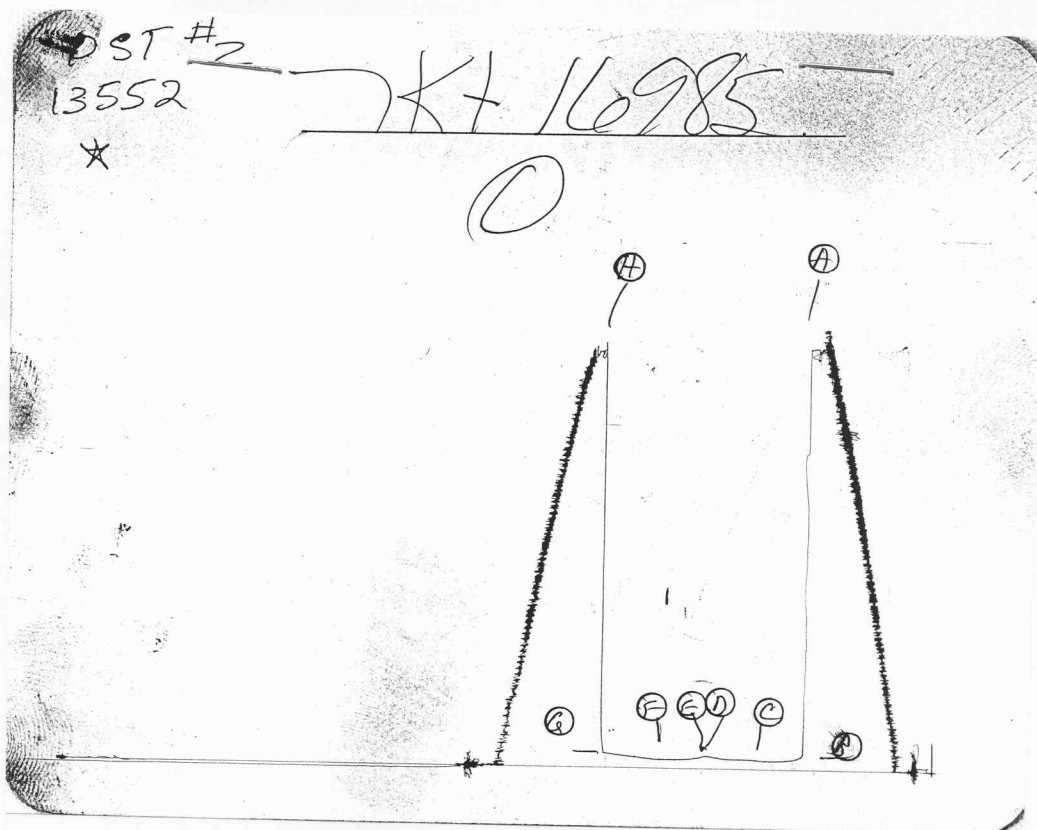
COMPANY : COATS & MALONE INC.
WELL : 1
GAUGE # : 13552
DATE : 27/ 4/91

FIELD : ASH
JOB # : 16985
DEPTH : 4503
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	5:33: 0	0.000	53.000	118.00	0.000
3	5:37:59	0.083	53.000	118.00	0.000
4	5:43: 0	0.167	53.000	118.00	0.000
5	5:48: 0	0.250	53.000	118.00	0.000
6	5:52:59	0.333	53.000	118.00	0.000
7	5:58: 0	0.417	53.000	118.00	0.000
8	6: 3: 0	0.500	53.000	118.00	0.000
INITIAL SHUT-IN PERIOD					
9	6: 6: 0	0.550	53.000	118.00	0.000
10	6: 9: 0	0.600	54.000	118.00	1.000
11	6:12: 0	0.650	56.000	118.00	2.000
12	6:15: 0	0.700	56.000	118.00	0.000
13	6:18: 0	0.750	56.000	118.00	0.000
14	6:21: 0	0.800	56.000	118.00	0.000
15	6:24: 0	0.850	56.000	118.00	0.000
16	6:27: 0	0.900	56.000	118.00	0.000
17	6:30: 0	0.950	58.000	118.00	2.000
18	6:33: 0	1.000	59.000	118.00	1.000
19	6:36: 0	1.050	61.000	118.00	2.000
20	6:39: 0	1.100	66.000	118.00	5.000
21	6:42: 0	1.150	69.000	118.00	3.000
22	6:45: 0	1.200	71.000	118.00	2.000
FINAL FLOW PERIOD					
23	6:46: 0	1.217	53.000	118.00	-18.000
24	6:49:59	1.283	53.000	118.00	0.000
25	6:55: 0	1.367	53.000	118.00	0.000
26	7: 0: 0	1.450	53.000	118.00	0.000
27	7: 4:59	1.533	53.000	118.00	0.000
28	7:10: 0	1.617	53.000	118.00	0.000
29	7:15: 0	1.700	53.000	118.00	0.000
FINAL SHUT-IN PERIOD					
30	7:18: 0	1.750	53.000	118.00	0.000
31	7:21: 0	1.800	53.000	118.00	0.000
32	7:24: 0	1.850	53.000	118.00	0.000
33	7:27: 0	1.900	56.000	118.00	3.000
34	7:30: 0	1.950	60.000	118.00	4.000
35	7:33: 0	2.000	62.000	118.00	2.000
36	7:36: 0	2.050	64.000	118.00	2.000
37	7:39: 0	2.100	67.000	118.00	3.000
38	7:42: 0	2.150	69.000	118.00	2.000
39	7:45: 0	2.200	71.000	118.00	2.000
40	7:48: 0	2.250	73.000	118.00	2.000
41	7:51: 0	2.300	75.000	118.00	2.000
42	7:54: 0	2.350	77.000	118.00	2.000
43	7:57: 0	2.400	79.000	118.00	2.000
44	8: 0: 0	2.450	81.000	118.00	2.000

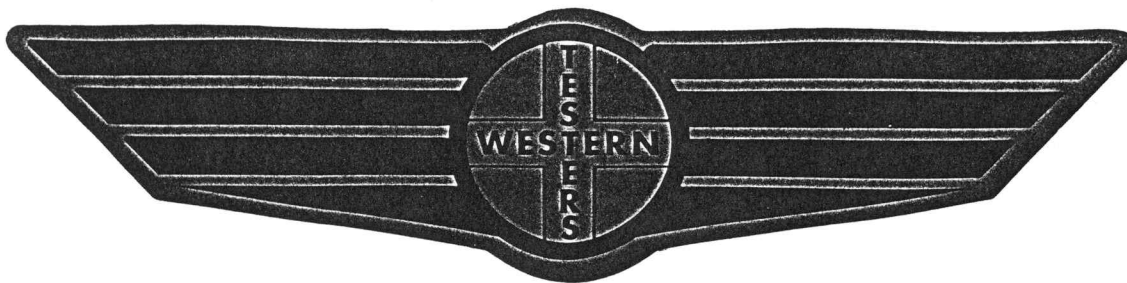


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone **1 - 800-688-7021**

COMPANY COATS & MALONE, INC. LEASE & WELL NO. ASH #1 SEC. 27 TWP. 32S RGE. 12W TEST NO. 3 DATE 4/28/91

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4-28-91	TICKET	:	16986
CUSTOMER	:	COATS & MALONE INC.	LEASE	:	ASH
WELL	:	1	TEST:	:	3
ELEVATION	:	1610 KB	GEOLOGIST	:	D. MALONE
SECTION	:	27	FORMATION	:	VIOLA
RANGE	:	12W	TOWNSHIP	:	32S
GAUGE SN#	:	13552	STATE	:	KANSAS
		COUNTY :	CLOCK	:	12
		RANGE :			
		4050			

INTERVAL FROM	:	4694	TO	:	4725	TOTAL DEPTH	:	4725
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4689	SIZE	:	6.63			
PACKER DEPTH	:	4694	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	LOBO DRILLING RIG 1			
MUD TYPE	:	LOW-SOLIDS	VISCOSITY	:	42
WEIGHT	:	9.5	WATER LOSS (CC)	:	12.0
CHLORIDES (PPM)	:	7000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	512	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	4159	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	23	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	31	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 WEAK 1/2 INCH BLOW.
BLOW COMMENT #2	:	FINAL FLOW PERIOD VERY WEAK 1/4 INCH BLOW.
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 1 FT OF: MUD

Total Barrels Fluid = 0.01
Total Fluid Prod Rate = 0.17 BFPD
Indicated Wtr Rate = 0.02 BWPD

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

SET PACKER(S) : 10:05 P.M.

TIME STARTED OFF BOTTOM : 12:05 A.M.

WELL TEMPERATURE : 119

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

(A) 2372

(B) 50 PSI TO (C) : 50

INITIAL CLOSED IN PERIOD MIN: 30

(D) 56

FINAL FLOW PERIOD MIN: 30

(E) 49 PSI TO (F) : 49

FINAL CLOSED IN PERIOD MIN: 30

(G) 53

FINAL HYDROSTATIC PRESSURE

(H) 2329

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : COATS & MALONE INC.
RIG : BARBER-KANSAS
FIELD : ASH
WELL : 1
DATE : 4-28-91
GAUGE NO : 13552

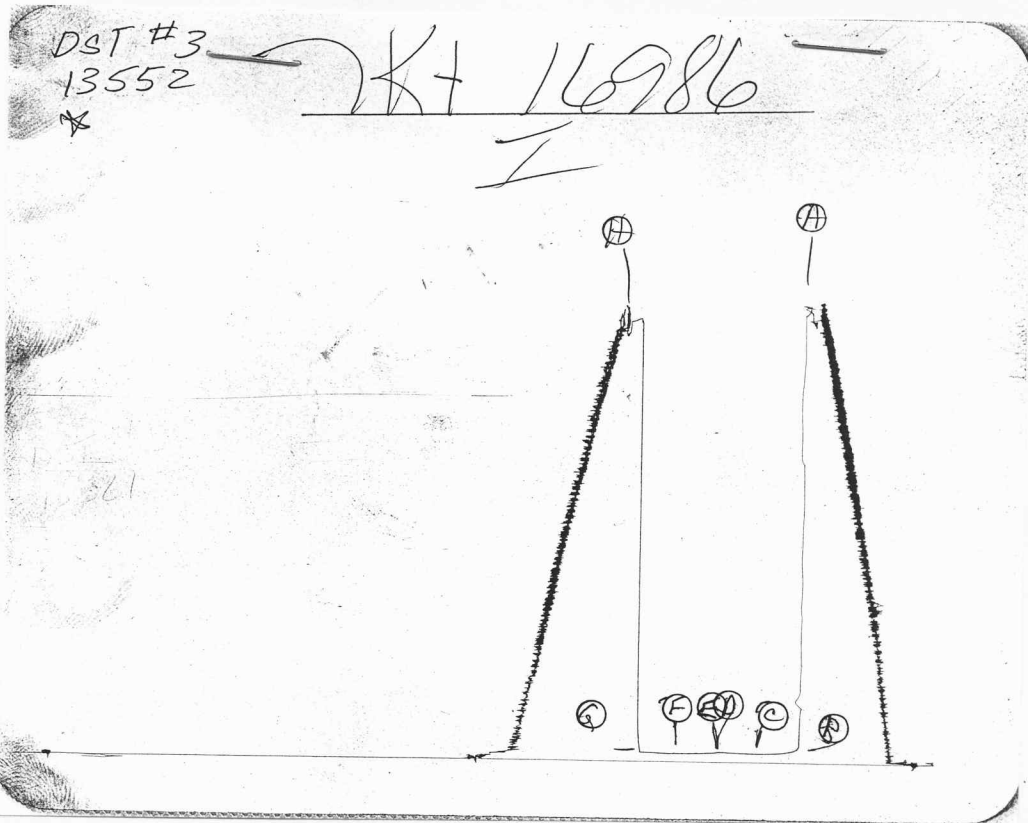
OPERATIONAL COMMENTS

COMPANY : COATS & MALONE INC.
WELL : 1
GAUGE # : 13552
DATE : 28/ 4/91

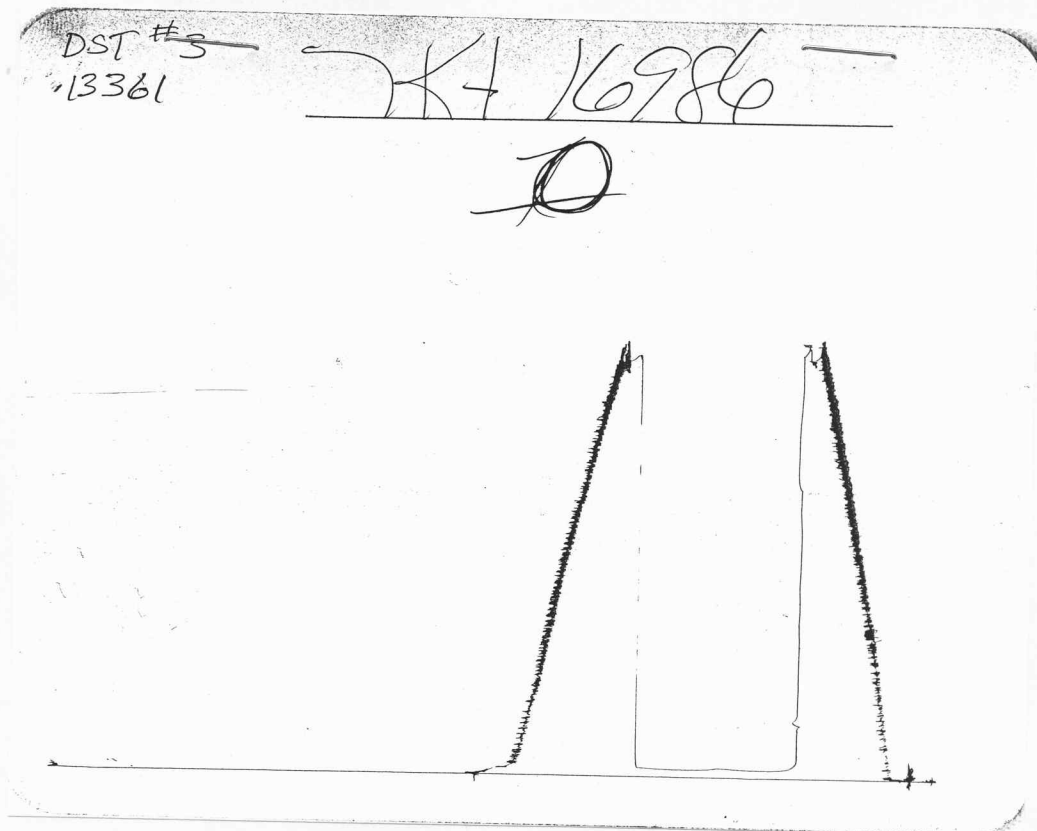
FIELD : ASH
JOB # : 16986
DEPTH : 4725
TEST :

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	10: 5: 0	0.000	50.000	119.00	0.000
3	10: 9:59	0.083	50.000	119.00	0.000
4	10:15: 0	0.167	50.000	119.00	0.000
5	10:20: 0	0.250	50.000	119.00	0.000
6	10:24:59	0.333	50.000	119.00	0.000
7	10:30: 0	0.417	50.000	119.00	0.000
8	10:35: 0	0.500	50.000	119.00	0.000
INITIAL SHUT-IN PERIOD					
9	10:38: 0	0.550	50.000	119.00	0.000
10	10:41: 0	0.600	50.000	119.00	0.000
11	10:44: 0	0.650	51.000	119.00	1.000
12	10:47: 0	0.700	51.000	119.00	0.000
13	10:50: 0	0.750	52.000	119.00	1.000
14	10:53: 0	0.800	52.000	119.00	0.000
15	10:56: 0	0.850	53.000	119.00	1.000
16	10:59: 0	0.900	54.000	119.00	1.000
17	11: 2: 0	0.950	55.000	119.00	1.000
18	11: 5: 0	1.000	56.000	119.00	1.000
FINAL FLOW PERIOD					
19	11: 6: 0	1.017	49.000	119.00	-7.000
20	11: 9:59	1.083	49.000	119.00	0.000
21	11:15: 0	1.167	49.000	119.00	0.000
22	11:20: 0	1.250	49.000	119.00	0.000
23	11:24:59	1.333	49.000	119.00	0.000
24	11:30: 0	1.417	49.000	119.00	0.000
25	11:35: 0	1.500	49.000	119.00	0.000
FINAL SHUT-IN PERIOD					
26	11:38: 0	1.550	49.000	119.00	0.000
27	11:41: 0	1.600	49.000	119.00	0.000
28	11:44: 0	1.650	49.000	119.00	0.000
29	11:47: 0	1.700	49.000	119.00	0.000
30	11:50: 0	1.750	49.000	119.00	0.000
31	11:53: 0	1.800	49.000	119.00	0.000
32	11:56: 0	1.850	50.000	119.00	1.000
33	11:59: 0	1.900	51.000	119.00	1.000
34	12: 2: 0	1.950	52.000	119.00	1.000
35	12: 5: 0	2.000	53.000	119.00	1.000

WESTERN TESTING CO. INC.

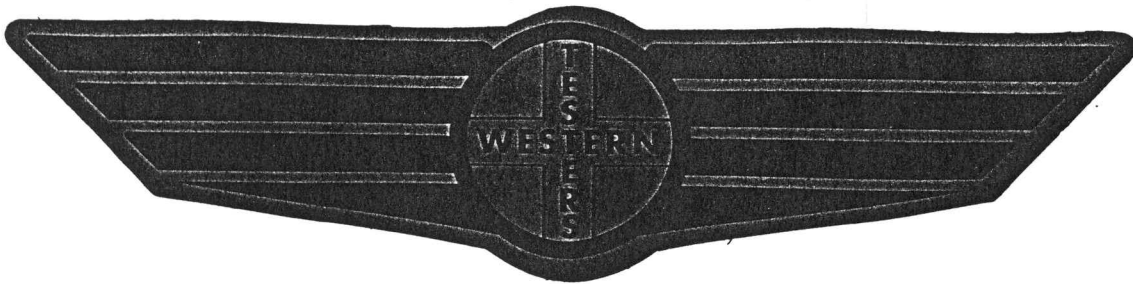


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone **1 - 800-688-7021**

COMPANY COATS & MALONE, INC. LEASE & WELL NO. ASH #1 SEC. 27 TWP. 32S RGE. 12W TEST NO. 4 DATE 4/29/91

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4-29-91	TICKET	:	16987
CUSTOMER	:	COATS & MALONE INC.	LEASE	:	ASH
WELL	:	1	TEST:	:	4
ELEVATION	:	1610 K.B.	GEOLOGIST	:	MALONE
SECTION	:	27	FORMATION	:	SIMPSON
RANGE	:	12W	TOWNSHIP	:	32S
GAUGE SN#	:	13552	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
			4050		12 HR

INTERVAL FROM	:	4794	TO	:	4850	TOTAL DEPTH	:	4850
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4789	SIZE	:	6.63			
PACKER DEPTH	:	4845	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	LOBO DRLG RIG #1			
MUD TYPE	:	LOW SOLIDS	VISCOSITY	:	45
WEIGHT	:	9.4	WATER LOSS (CC)	:	10.0
CHLORIDES (PPM)	:	6000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	YES	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	512	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	4259	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	23	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	56	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	:	VERY STRONG BLOW GAS TO SURFACE IN 5 MIN
BLOW COMMENT #2	:	SEE GAS FLOW REPORT
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 150 FT OF: MUD

Total Barrels Fluid = 1.06
Total Fluid Prod Rate = 16.99 BFPD
Indicated Wtr Rate = 0.11 BWPD

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

SET PACKER(S) : 6:20 A.M.

TIME STARTED OFF BOTTOM : 10:50 P.M.

WELL TEMPERATURE : 122

INITIAL HYDROSTATIC PRESSURE

(A) 2420

INITIAL FLOW PERIOD MIN: 20

(B) 530 PSI TO (C) : 518

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1818

FINAL FLOW PERIOD MIN: 70

(E) 538 PSI TO (F) : 493

FINAL CLOSED IN PERIOD MIN: 120

(G) 1778

FINAL HYDROSTATIC PRESSURE

(H) 2352

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : COATS & MALONE INC.
RIG : BARBER-KANSAS
FIELD : ASH
WELL : 1
DATE : 4-29-91
GAUGE NO : 13552

OPERATIONAL COMMENTS

COMPANY : COATS & MALONE INC.
WELL : 1
GAUGE # : 13552
DATE : 29/ 4/91

FIELD : ASH
JOB # : 16987
DEPTH : 4850
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	6:20: 0	0.000	530.000	122.00	0.000
3	6:24:59	0.083	530.000	122.00	0.000
4	6:30: 0	0.167	518.000	122.00	-12.000
5	6:35: 0	0.250	518.000	122.00	0.000
6	6:39:59	0.333	518.000	122.00	0.000
INITIAL SHUT-IN PERIOD					
7	6:42:59	0.383	1681.000	122.00	1163.000
8	6:45:59	0.433	1721.000	122.00	40.000
9	6:48:59	0.483	1741.000	122.00	20.000
10	6:51:59	0.533	1741.000	122.00	0.000
11	6:54:59	0.583	1758.000	122.00	17.000
12	6:57:59	0.633	1770.000	122.00	12.000
13	7: 0:59	0.683	1778.000	122.00	8.000
14	7: 3:59	0.733	1788.000	122.00	10.000
15	7: 6:59	0.783	1792.000	122.00	4.000
16	7: 9:59	0.833	1800.000	122.00	8.000
17	7:12:59	0.883	1802.000	122.00	2.000
18	7:15:59	0.933	1806.000	122.00	4.000
19	7:18:59	0.983	1808.000	122.00	2.000
20	7:21:59	1.033	1812.000	122.00	4.000
21	7:24:59	1.083	1814.000	122.00	2.000
22	7:27:59	1.133	1814.000	122.00	0.000
23	7:30:59	1.183	1818.000	122.00	4.000
24	7:33:59	1.233	1818.000	122.00	0.000
25	7:36:59	1.283	1818.000	122.00	0.000
26	7:39:59	1.333	1818.000	122.00	0.000
FINAL FLOW PERIOD					
27	7:41: 0	1.350	538.000	122.00	-1280.000
28	7:44:59	1.417	504.000	122.00	-34.000
29	7:50: 0	1.500	487.000	122.00	-17.000
30	7:54:59	1.583	487.000	122.00	0.000
31	7:59:59	1.667	487.000	122.00	0.000
32	8: 5: 0	1.750	487.000	122.00	0.000
33	8: 9:59	1.833	487.000	122.00	0.000
34	8:14:59	1.917	487.000	122.00	0.000
35	8:20: 0	2.000	487.000	122.00	0.000
36	8:24:59	2.083	487.000	122.00	0.000
37	8:29:59	2.167	487.000	122.00	0.000
38	8:35: 0	2.250	493.000	122.00	6.000
39	8:39:59	2.333	493.000	122.00	0.000
40	8:44:59	2.417	493.000	122.00	0.000
41	8:50: 0	2.500	493.000	122.00	0.000
FINAL SHUT-IN PERIOD					
42	8:53: 0	2.550	1506.000	122.00	1013.000
43	8:56: 0	2.600	1508.000	122.00	2.000
44	8:59: 0	2.650	1510.000	122.00	2.000
45	9: 2: 0	2.700	1580.000	122.00	70.000
46	9: 5: 0	2.750	1631.000	122.00	51.000
47	9: 8: 0	2.800	1639.000	122.00	8.000
48	9:11: 0	2.850	1661.000	122.00	22.000

COMPANY : COATS & MALONE INC.
WELL : 1
GAUGE # : 13552
DATE : 29/ 4/91

FIELD : ASH
JOB # : 16987
DEPTH : 4850
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	9:14: 0	2.900	1685.000	122.00	24.000
50	9:17: 0	2.950	1691.000	122.00	6.000
51	9:20: 0	3.000	1701.000	122.00	10.000
52	9:23: 0	3.050	1709.000	122.00	8.000
53	9:26: 0	3.100	1713.000	122.00	4.000
54	9:29: 0	3.150	1721.000	122.00	8.000
55	9:32: 0	3.200	1725.000	122.00	4.000
56	9:35: 0	3.250	1731.000	122.00	6.000
57	9:38: 0	3.300	1737.000	122.00	6.000
58	9:41: 0	3.350	1741.000	122.00	4.000
59	9:44: 0	3.400	1745.000	122.00	4.000
60	9:47: 0	3.450	1750.000	122.00	5.000
61	9:50: 0	3.500	1754.000	122.00	4.000
62	9:53: 0	3.550	1756.000	122.00	2.000
63	9:56: 0	3.600	1758.000	122.00	2.000
64	9:59: 0	3.650	1760.000	122.00	2.000
65	10: 2: 0	3.700	1760.000	122.00	0.000
66	10: 5: 0	3.750	1760.000	122.00	0.000
67	10: 8: 0	3.800	1766.000	122.00	6.000
68	10:11: 0	3.850	1769.000	122.00	3.000
69	10:14: 0	3.900	1770.000	122.00	1.000
70	10:17: 0	3.950	1770.000	122.00	0.000
71	10:20: 0	4.000	1771.000	122.00	1.000
72	10:23: 0	4.050	1771.000	122.00	0.000
73	10:26: 0	4.100	1772.000	122.00	1.000
74	10:29: 0	4.150	1773.000	122.00	1.000
75	10:32: 0	4.200	1774.000	122.00	1.000
76	10:35: 0	4.250	1775.000	122.00	1.000
77	10:38: 0	4.300	1775.000	122.00	0.000
78	10:41: 0	4.350	1776.000	122.00	1.000
79	10:44: 0	4.400	1777.000	122.00	1.000
80	10:47: 0	4.450	1778.000	122.00	1.000
81	10:50: 0	4.500	1778.000	122.00	0.000

WESTERN TESTING CO. INC.

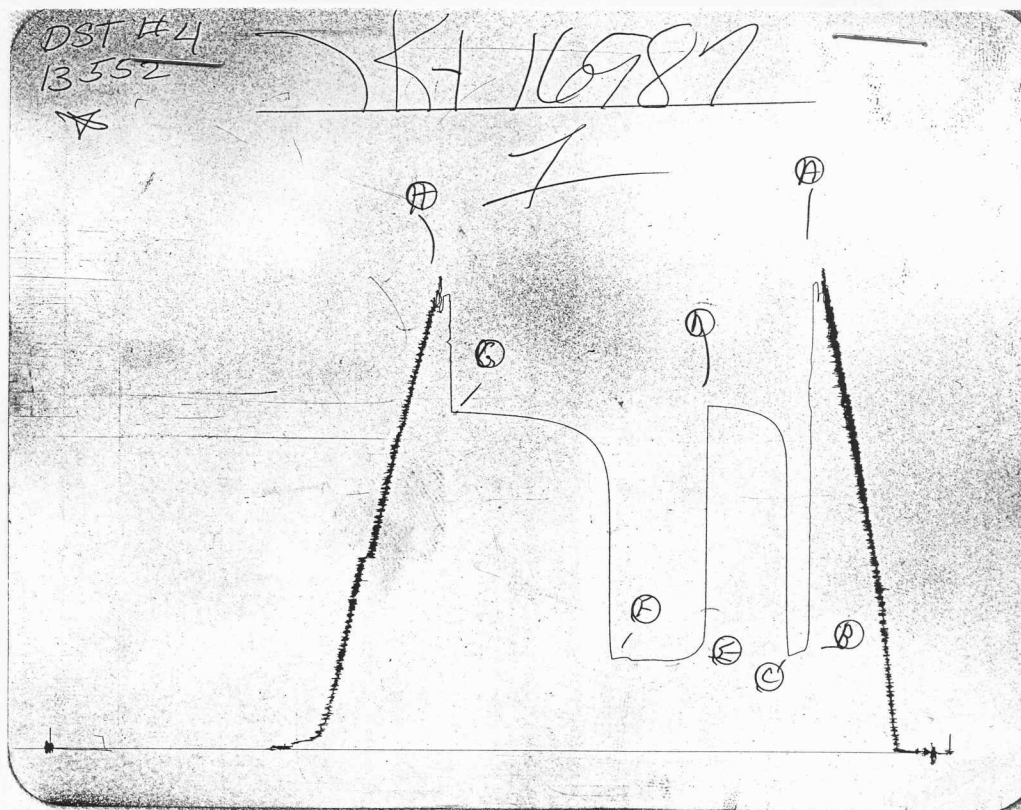
GAS FLOW REPORT

Date : 4-29-91	Ticket # : 16987
Customer : COATS & MALONE INC.	Lease : ASH
Well : 1 Test : 4	Geologist : D. MALONE
Elevation (KB) : 1610 Formation : SIMPSON	
Section : 27 Township : 32S	
Range : 12W County : BARBER	State : KANSAS
Gauge SN # : 13552 Range : 4050	Clock : 12

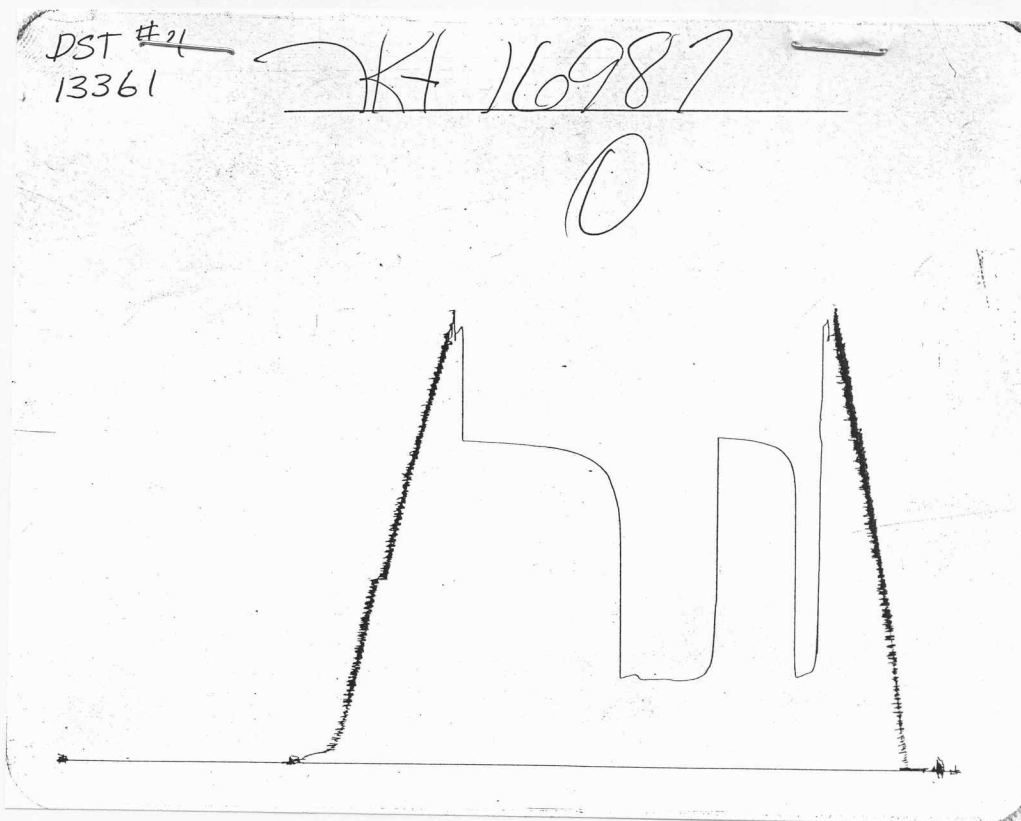
TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
PRE FLOW =====				
5 MIN.	MERLA	1 1/2"	10 PSIG	1274000 C.F.P.D.
10 MIN.	MERLA	1 1/2"	10 PSIG	1274000 C.F.P.D.
15 MIN.	MERLA	1 1/2"	10 PSIG	1274000 C.F.P.D.

SECOND FLOW =====				
5 MIN.	MERLA	1 1/2"	25 PSIG	2258000 C.F.P.D.
10 MIN.	MERLA	1 1/2"	21 PSIG	2012000 C.F.P.D.
15 MIN.	MERLA	1 1/2"	20 PSIG	1949000 C.F.P.D.
20 MIN.	MERLA	1 1/2"	19 PSIG	1887000 C.F.P.D.
25 MIN.	MERLA	1 1/2"	19 PSIG	1887000 C.F.P.D.
30 MIN.	MERLA	1 1/2"	19 PSIG	1887000 C.F.P.D.
35 MIN.	MERLA	1 1/2"	19 PSIG	1887000 C.F.P.D.
40 MIN.	MERLA	1 1/2"	19 PSIG	1887000 C.F.P.D.
45 MIN.	MERLA	1 1/2"	19 PSIG	1887000 C.F.P.D.
50 MIN.	MERLA	1 1/2"	19 PSIG	1887000 C.F.P.D.
55 MIN.	MERLA	1 1/2"	19 PSIG	1887000 C.F.P.D.
60 MIN.	MERLA	1 1/2"	19 PSIG	1887000 C.F.P.D.
65 MIN.	MERLA	1 1/2"	19 PSIG	1887000 C.F.P.D.
70 MIN.	MERLA	1 1/2"	19 PSIG	1887000 C.F.P.D.

Gas Bottle SN # :
Date Bottle Filled : 4-29-91
Date to be Invoiced : 4-29-91



Inside Recorder



Outside Recorder