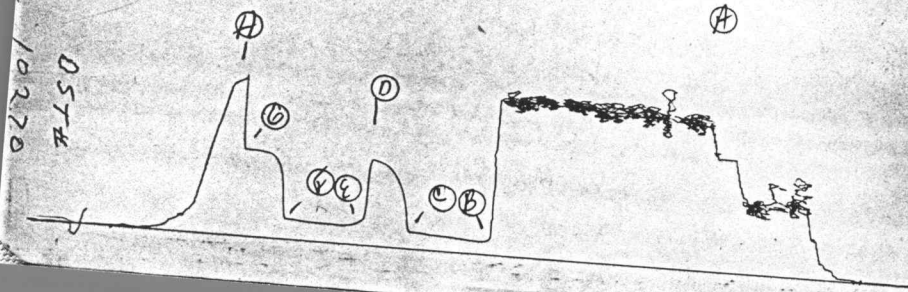


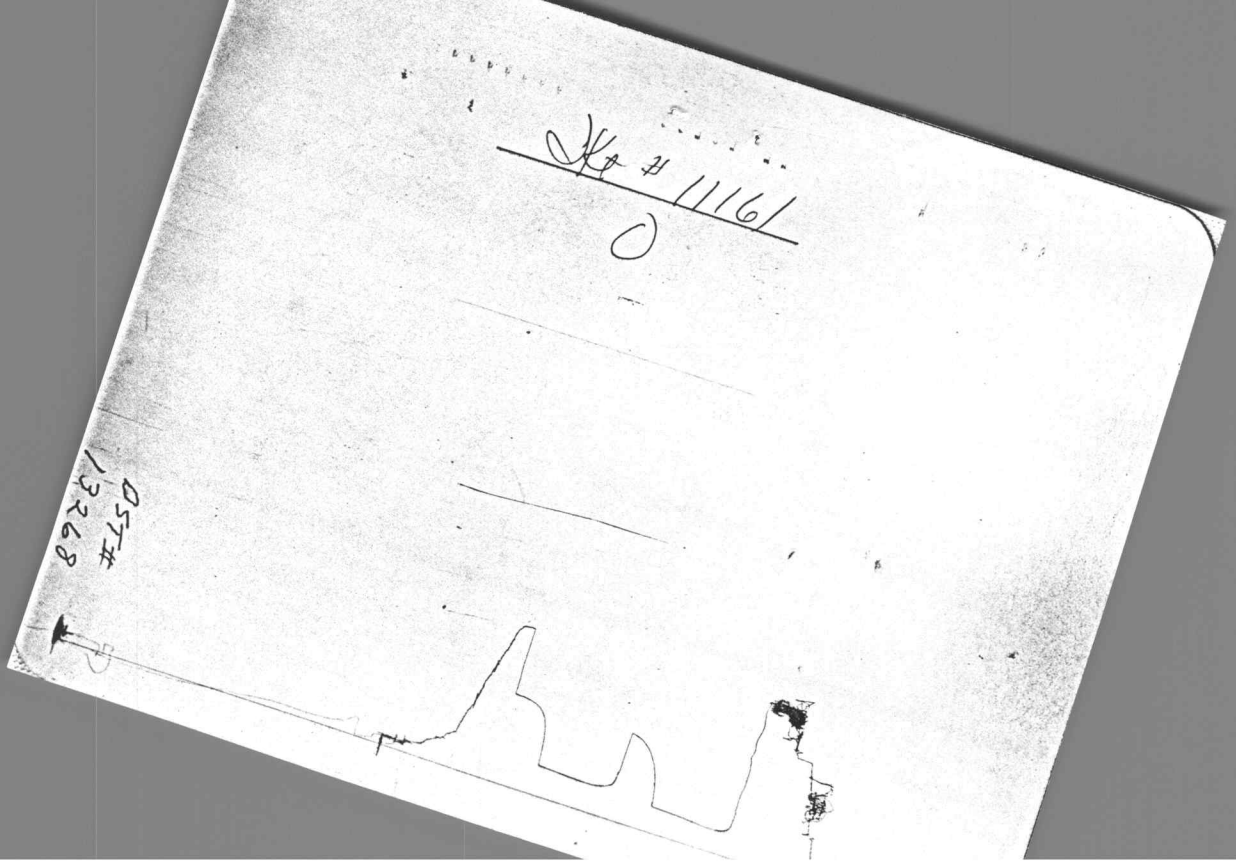
Sta # 1161
I



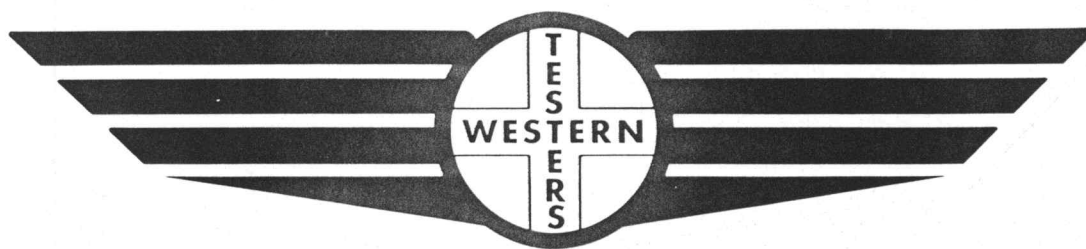
Kit # 11161
Below Straddle

OK # 11161
0

OST#
13268



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

SUBSURFACE PRESSURE SURVEY

DATE : 3-3-86 TICKET : 11161
 CUSTOMER : MUSGROVE PETROLEUM CORPORATION LEASE : MCKINNEY
 WELL : 1 TEST: 4 GEOLOGIST : MUSGROVE
 ELEVATION : 1888 FORMATION :
 SECTION : 33 TOWNSHIP : 19S
 RANGE : 14W COUNTY : BARTON STATE : KANSAS
 GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 1735 TO : 1800 TOTAL DEPTH : 3575
 DEPTH OF SELECTIVE ZONE : 1803
 PACKER DEPTH : 1735 SIZE : 6 5/8
 PACKER DEPTH : 1800 SIZE : 6 5/8
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : MUSTANG DRLG
 MUD TYPE : DAPAC VISCOSITY : 40
 WEIGHT : 9.1 WATER LOSS (CC) : 8.2
 CHLORIDES (PPM) : 5000
 JARS-MAKE : SERIAL NUMBER :
 DID WELL FLOW ? : GAS REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 180 FT I.D. inch : 2.25
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
 DRILL PIPE LENGTH : 1533 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 22 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 65 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 PERIOD STRONG BLOW. GAS TO SURFACE
 BLOW COMMENT #2 : IN 16 MINUTES. FINAL FLOW PERIOD GAS TO SURFACE.
 BLOW COMMENT #3 : SEE ATTACHED SHEET FOR GAS MEASUREMENTS.
 BLOW COMMENT #4 :

RECOVERED : 260 FT OF: GAS CUT MUD. 2.01 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 Total Barrels = 2.0 Total Production = 24.1 Bpd

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

SET PACKER(S) : 1:10 AM TIME STARTED OFF BOTTOM : 4:10 AM
 WELL TEMPERATURE : 83
 INITIAL HYDROSTATIC PRESSURE (A) 852
 INITIAL FLOW PERIOD MIN: 60 (B) 70 PSI TO (C) : 91
 INITIAL CLOSED IN PERIOD MIN: 30 (D) 464
 FINAL FLOW PERIOD MIN: 60 (E) 100 PSI TO (F) : 110
 FINAL CLOSED IN PERIOD MIN: 33 (G) 472
 FINAL HYDROSTATIC PRESSURE (H) 852

GAS FLOW REPORT

Date : 3-3-86	Ticket # : 11161
Customer : MUSGROVE PETROLEUM CORPORATION	Lease : MCKINNEY
Well : 1 Test : 4	Geologist : MUSGROVE
Elevation (KB) : 1888 Formation :	
Section : 33 Township : 19S	
Range : 14W County : BARTON	State : KANSAS
Gauge SN # : 10270 Range : 4150	Clock : 12

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

PRE FLOW

=====

20	MERLA	1/4	7" WTR	4450 CFPD
30			11	5600
40			17	6930
50		1/2	3	10900
60			4	12500

SECOND FLOW

=====

10	MERLA	3/4	14" WTR	53300 CFPD
20			10	44800
30			10	44800
40			11	47200
50			12	49300
60			12	49300

Gas Bottle SN #	:	
Date Bottle Filled	:	3-4-86
Date to be Invoiced	:	

Pressure Transient Report

DATA FILE.....

COMPANY.....MUSGROVE PETROLEUM CORPORATION

DATE OF TEST.....3-3-86

FIELD NAME.....MCKINNEY

WELL NAME.....1

LOCATION.....BARTON-KANSAS

JOB NUMBER.....11161

GAUGE NUMBER.....10270

GAUGE DEPTH.....3575

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	3./3/86.	1.: 10.: 0.

COMPANY : MUSGROVE PETROLEUM CORPORATION
WELL : 1 JOB # : 11161
GAUGE # : 10270 DEPTH : 3575
MON/DAY : 3/ 3

FIELD : MCKINNEY

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	1:10: 0	0 0.000	70.00	83.0	0.00	0.00
2	1:15: 0	5 0.083	70.00	83.0	0.00	0.00
3	1:20: 0	10 0.167	70.00	83.0	0.00	0.00
4	1:25: 0	15 0.250	72.00	83.0	2.00	24.02
5	1:30: 0	20 0.333	75.00	83.0	5.00	35.98
6	1:35: 0	25 0.417	78.00	83.0	8.00	35.98
7	1:40: 0	30 0.500	81.00	83.0	11.00	36.04
8	1:45: 0	35 0.583	83.00	83.0	13.00	23.99
9	1:50: 0	40 0.667	84.00	83.0	14.00	11.99
10	1:55: 0	45 0.750	85.00	83.0	15.00	12.01
11	2: 0: 0	50 0.833	87.00	83.0	17.00	23.99
12	2: 5: 0	55 0.917	89.00	83.0	19.00	23.99
13	2:10: 0	60 1.000	91.00	83.0	21.00	24.02
14	2:13: 0	63 1.050	181.00	83.0	111.00	1798.24
15	2:16: 0	66 1.100	284.00	83.0	214.00	2057.99
16	2:19: 0	69 1.150	333.00	83.0	263.00	981.44
17	2:22: 0	72 1.200	370.00	83.0	300.00	739.28
18	2:25: 0	75 1.250	404.00	83.0	334.00	681.00
19	2:28: 0	78 1.300	429.00	83.0	359.00	499.51
20	2:31: 0	81 1.350	444.00	83.0	374.00	299.71
21	2:34: 0	84 1.400	452.00	83.0	382.00	160.23
22	2:37: 0	87 1.450	459.00	83.0	389.00	139.86
23	2:40: 0	90 1.500	464.00	83.0	394.00	100.15
24	2:41: 0	91 1.517	100.00	83.0	30.00	-21765.61
25	2:45: 0	95 1.583	100.00	83.0	30.00	0.00
26	2:50: 0	100 1.667	100.00	83.0	30.00	0.00
27	2:55: 0	105 1.750	100.00	83.0	30.00	0.00
28	3: 0: 0	110 1.833	100.00	83.0	30.00	0.00
29	3: 5: 0	115 1.917	100.00	83.0	30.00	0.00
30	3:10: 0	120 2.000	100.00	83.0	30.00	0.00
31	3:15: 0	125 2.083	100.00	83.0	30.00	0.00
32	3:20: 0	130 2.167	100.00	83.0	30.00	0.00
33	3:25: 0	135 2.250	103.00	83.0	33.00	36.04
34	3:30: 0	140 2.333	106.00	83.0	36.00	35.98
35	3:35: 0	145 2.417	108.00	83.0	38.00	23.99
36	3:40: 0	150 2.500	110.00	83.0	40.00	24.02
37	3:43: 0	153 2.550	258.00	83.0	188.00	2957.11
38	3:46: 0	156 2.600	373.00	83.0	303.00	2297.76
39	3:49: 0	159 2.650	418.00	83.0	348.00	901.32
40	3:52: 0	162 2.700	445.00	83.0	375.00	539.47
41	3:55: 0	165 2.750	458.00	83.0	388.00	260.38
42	3:58: 0	168 2.800	464.00	83.0	394.00	119.88
43	4: 1: 0	171 2.850	468.00	83.0	398.00	79.92
44	4: 4: 0	174 2.900	470.00	83.0	400.00	40.06
45	4: 7: 0	177 2.950	471.00	83.0	401.00	19.98
46	4:10: 0	180 3.000	472.00	83.0	402.00	20.03
47	4:13: 0	183 3.050	472.00	83.0	402.00	0.00