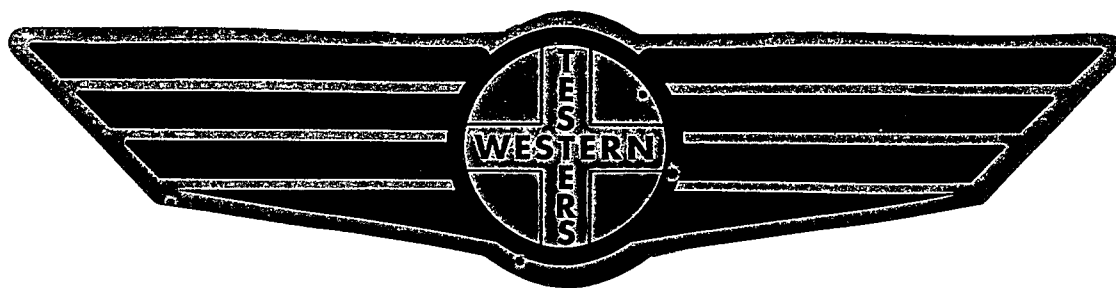


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 10/13/94
CUSTOMER : PETROLEUM PRODUCTION MGMT
WELL : #5 TEST: 1
ELEVATION: 2974KB
SECTION : 15
RANGE : 34W COUNTY: FINNEY
GAUGE SN#: 1562 RANGE : 3900

TICKET : 20607
LEASE : LANG GU
GEOLOGIST: BAKER
FORMATION: KRIDER
TOWNSHIP : 21S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2524.00 ft TO: 2575.00 ft TVD: 2575.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 2535.0 ft 2538.0 ft
TEMPERATURE: 110.0

DRILL COLLAR LENGTH:	540.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	1964.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	51.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	2519.0 ft	SIZE:	6.625 in
PACKER DEPTH:	2524.0 ft	SIZE:	6.625 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : MURFIN RIG 3
MUD TYPE : STARCH
WEIGHT : 9.200 ppg
CHLORIDES : 51000 ppm
JARS-MAKE :
DID WELL FLOW?: YES

VISCOSITY : 52.00 cp
WATER LOSS: 11.200 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW: WEAK TO STRONG BLOW, OFF BOTTOM OF
BUCKET IN 22 MINUTES, GAS TO SURFACE IN 60 MINUTES
SEE ATTACHED SHEET.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

TOOL SLID 4 FEET TO BOTTOM.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
70.0	0.0	5.0	0.0	95.0	GAS CUT MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 50000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0924	SCF		
MUD VOLUME:	0.3126	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	0.3126	STB		
			TOTAL FLOW TIME:	140.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1381.00

Description	Duration	p1	p End
INITIAL FLOW	90.00	40.00	50.00
INITIAL SHUT-IN	60.00		400.00
FINAL FLOW	60.00	70.00	70.00
FINAL SHUT-IN	60.00		400.00

FINAL HYDROSTATIC PRESSURE: 1322.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1356.00

Description	Duration	p1	p End
INITIAL FLOW	90.00	49.00	58.00
INITIAL SHUT-IN	63.00		392.00
FINAL FLOW	50.00	60.00	60.00
FINAL SHUT-IN	60.00		389.00

FINAL HYDROSTATIC PRESSURE: 1307.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 10/13/94
 CUSTOMER : PETROLEUM PRODUCTION MGMT
 WELL : #5 TEST: 1
 ELEVATION: 2974KB
 SECTION : 15
 RANGE : 34W COUNTY: FINNEY
 GAUGE SN#: 1562 RANGE : 3900

TICKET : 20607
 LEASE : LANG GU
 GEOLOGIST: BAKER
 FORMATION: KRIDER
 TOWNSHIP : 21S
 STATE : KS
 CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
60 MIN	MERLA	0.125	20" WATER	2360 SCF/D
70 MIN	MERLA	0.250	15" WATER	6550 SCF/D
80 MIN	MERLA	0.250	22" WATER	7880 SCF/D
90 MIN	MERLA	0.250	30" WATER	9200 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	0.750	32" WATER	80300 SCF/D
20 MIN	MERLA	0.750	14" WATER	53300 SCF/D
30 MIN	MERLA	0.750	14" WATER	53300 SCF/D
40 MIN	MERLA	0.750	14" WATER	53300 SCF/D
50 MIN	MERLA	0.750	14" WATER	53300 SCF/D
60 MIN	MERLA	0.750	14" WATER	53300 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 10/13/94	TICKET : 20607
CUSTOMER : PETROLEUM PRODUCTION MGMT	LEASE : LANG GU
WELL : #5	GEOLOGIST: BAKER
ELEVATION: 2974KB	FORMATION: KRIDER
SECTION : 15	TOWNSHIP : 21S
RANGE : 34W	STATE : KS
GAUGE SN#: 1562	CLOCK : 12
TEST: 1	
COUNTY: FINNEY	
RANGE : 3900	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	49.00	49.00
5.00	49.00	0.00
10.00	49.00	0.00
15.00	49.00	0.00
20.00	49.00	0.00
25.00	49.00	0.00
30.00	49.00	0.00
35.00	50.00	1.00
40.00	53.00	3.00
45.00	56.00	3.00
50.00	56.00	0.00
55.00	56.00	0.00
60.00	57.00	1.00
65.00	57.00	0.00
70.00	57.00	0.00
75.00	57.00	0.00
80.00	58.00	1.00
85.00	58.00	0.00
90.00	58.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	176.00	176.00	31.00
6.00	345.00	169.00	16.00
9.00	364.00	19.00	11.00
12.00	376.00	12.00	8.50
15.00	380.00	4.00	7.00
18.00	385.00	5.00	6.00
21.00	389.00	4.00	5.29

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
24.00	390.00	1.00	4.75
27.00	392.00	2.00	4.33
30.00	392.00	0.00	4.00
33.00	392.00	0.00	3.73
36.00	392.00	0.00	3.50
39.00	392.00	0.00	3.31
42.00	392.00	0.00	3.14
45.00	392.00	0.00	3.00
48.00	392.00	0.00	2.88
51.00	392.00	0.00	2.76
54.00	392.00	0.00	2.67
57.00	392.00	0.00	2.58
60.00	392.00	0.00	2.50
63.00	392.00	0.00	2.43

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	60.00	60.00
5.00	60.00	0.00
10.00	60.00	0.00
15.00	60.00	0.00
20.00	60.00	0.00
25.00	60.00	0.00
30.00	60.00	0.00
35.00	60.00	0.00
40.00	60.00	0.00
45.00	60.00	0.00
50.00	60.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	184.00	184.00	17.67
6.00	330.00	146.00	9.33
9.00	348.00	18.00	6.56
12.00	360.00	12.00	5.17
15.00	367.00	7.00	4.33

PRESSURE TRANSIENT REPORT (CONTINUED)

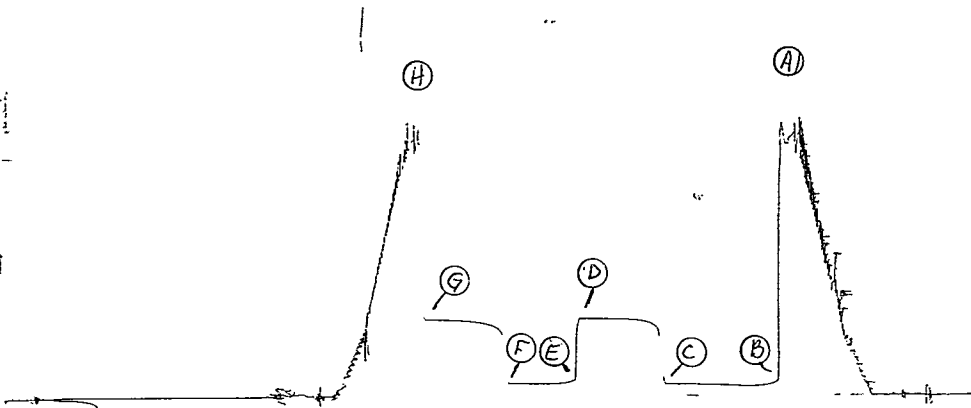
FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
18.00	372.00	5.00	3.78
21.00	374.00	2.00	3.38
24.00	378.00	4.00	3.08
27.00	380.00	2.00	2.85
30.00	382.00	2.00	2.67
33.00	383.00	1.00	2.52
36.00	384.00	1.00	2.39
39.00	385.00	1.00	2.28
42.00	386.00	1.00	2.19
45.00	387.00	1.00	2.11
48.00	388.00	1.00	2.04
51.00	389.00	1.00	1.98
54.00	389.00	0.00	1.93
57.00	389.00	0.00	1.88
60.00	389.00	0.00	1.83

1362
Dist #1
top

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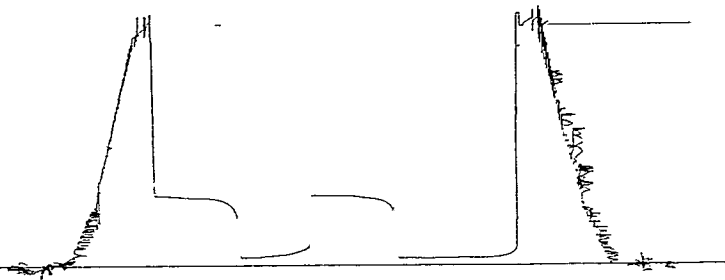
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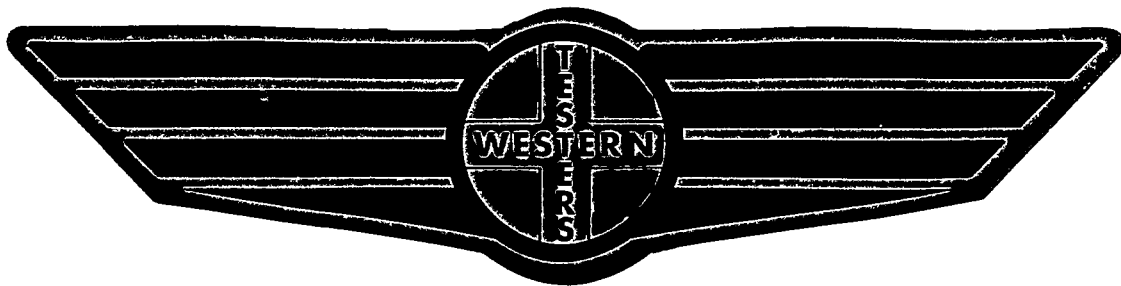
2605
DSL #1
Bottom

Mt # 20607

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 813-800-688-7021

COMPANY PETROLEUM PRODUCTION MANAGEMENT, INC. LEASE & WELL NO. #5 LANG GU SEC. 15 TWP. 21S RGE. 34W TEST NO. 2 DATE 10/13/94

DST REPORT

GENERAL INFORMATION

DATE	: 10/13/94	TICKET	: 20608
CUSTOMER	: PETROLEUM PRODUCTION MGMT	LEASE	: LANG GU
WELL	: #5	TEST: 2	GEOLOGIST: BAKER
ELEVATION	: 2974KB	FORMATION	: WINFIELD
SECTION	: 15	TOWNSHIP	: 21S
RANGE	: 34W	COUNTY: FINNEY	STATE : KS
GAUGE SN#	: 1562	RANGE : 3900	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	2598.00 ft	TO:	2640.00 ft	TVD:	2640.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	2620.0 ft	2623.0 ft			
TEMPERATURE:	110.0				
DRILL COLLAR LENGTH:	540.0 ft	I.D.:	2.200 in		
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH :	2038.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in		
ANCHOR LENGTH :	42.0 ft	ANCHOR SIZE:	5.500 in		
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in		
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH		
PACKER DEPTH:	2593.0 ft	SIZE:	6.625 in		
PACKER DEPTH:	2598.0 ft	SIZE:	6.625 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		

MUD INFORMATION

DRILLING CON. :	MURFIN RIG 3	VISCOSITY :	47.00 cp
MUD TYPE :	STARCH	WATER LOSS:	12.800 cc
WEIGHT :	9.300 ppq	SERIAL NUMBER:	
CHLORIDES :	44000 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW: WEAK BLOW, 4 INCHES IN BUCKET.
FINAL FLOW: STRONG BLOW, OFF BOTTOM OF BUCKET IN
5 MINUTES. TOOL SLID 7 FEET TO BOTTOM.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

FLUSH TOOL 10 MINUTES INTO INITIAL FLOW.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	810 FT GAS ABOVE FLUID
0.0	0.0	0.0	0.0	0.0	(VERY WEAK)
90.0	0.0	5.0	0.0	95.0	V-SLI GAS CUT MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 47000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	
GAS VOLUME:	0.1188	SCF	
MUD VOLUME:	0.4020	STB	
WATER VOLUME:	0.0000	STB	
TOTAL FLUID :	0.4020	STB	
			TOTAL FLOW TIME: 175.0000 min.
			AVERAGE OIL RATE: 0.0000 STB/D
			AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1351.00

Description	Duration	p1	p End
INITIAL FLOW	90.00	60.00	60.00
INITIAL SHUT-IN	60.00		250.00
FINAL FLOW	90.00	70.00	70.00
FINAL SHUT-IN	90.00		460.00

FINAL HYDROSTATIC PRESSURE: 1341.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1401.00

Description	Duration	p1	p End
INITIAL FLOW	90.00	88.00	66.00
INITIAL SHUT-IN	72.00		290.00
FINAL FLOW	85.00	70.00	70.00
FINAL SHUT-IN	87.00		469.00

FINAL HYDROSTATIC PRESSURE: 1377.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 10/13/94	TICKET : 20608
CUSTOMER : PETROLEUM PRODUCTION MGMT	LEASE : LANG GU
WELL : #5	GEOLOGIST: BAKER
ELEVATION: 2974KB	FORMATION: WINFIELD
SECTION : 15	TOWNSHIP : 21S
RANGE : 34W	STATE : KS
GAUGE SN#: 1562	CLOCK : 12
COUNTY: FINNEY	
RANGE : 3900	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	88.00	88.00
5.00	71.00	-17.00
10.00	897.00	826.00
15.00	102.00	-795.00
20.00	83.00	-19.00
25.00	74.00	-9.00
30.00	70.00	-4.00
35.00	68.00	-2.00
40.00	66.00	-2.00
45.00	66.00	0.00
50.00	66.00	0.00
55.00	66.00	0.00
60.00	66.00	0.00
65.00	66.00	0.00
70.00	66.00	0.00
75.00	66.00	0.00
80.00	66.00	0.00
85.00	66.00	0.00
90.00	66.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	66.00	66.00	31.00
6.00	66.00	0.00	16.00
9.00	66.00	0.00	11.00
12.00	66.00	0.00	8.50
15.00	68.00	2.00	7.00
18.00	73.00	5.00	6.00
21.00	79.00	6.00	5.29

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
24.00	82.00	3.00	4.75
27.00	93.00	11.00	4.33
30.00	104.00	11.00	4.00
33.00	114.00	10.00	3.73
36.00	124.00	10.00	3.50
39.00	137.00	13.00	3.31
42.00	150.00	13.00	3.14
45.00	163.00	13.00	3.00
48.00	176.00	13.00	2.88
51.00	191.00	15.00	2.76
54.00	206.00	15.00	2.67
57.00	221.00	15.00	2.58
60.00	236.00	15.00	2.50
63.00	256.00	20.00	2.43
66.00	276.00	20.00	2.36
69.00	284.00	8.00	2.30
72.00	290.00	6.00	2.25

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	70.00	70.00
5.00	70.00	0.00
10.00	70.00	0.00
15.00	70.00	0.00
20.00	70.00	0.00
25.00	70.00	0.00
30.00	70.00	0.00
35.00	70.00	0.00
40.00	70.00	0.00
45.00	70.00	0.00
50.00	70.00	0.00
55.00	70.00	0.00
60.00	70.00	0.00
65.00	70.00	0.00
70.00	70.00	0.00
75.00	70.00	0.00
80.00	70.00	0.00
85.00	70.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

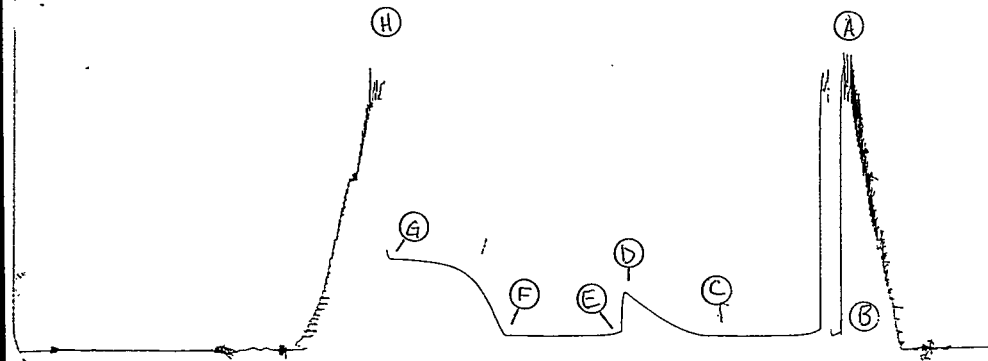
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	96.00	96.00	29.33
6.00	138.00	42.00	15.17
9.00	182.00	44.00	10.44
12.00	226.00	44.00	8.08
15.00	262.00	36.00	6.67
18.00	298.00	36.00	5.72
21.00	334.00	36.00	5.05
24.00	354.00	20.00	4.54
27.00	371.00	17.00	4.15
30.00	388.00	17.00	3.83
33.00	401.00	13.00	3.58
36.00	414.00	13.00	3.36
39.00	422.00	8.00	3.18
42.00	430.00	8.00	3.02
45.00	436.00	6.00	2.89
48.00	441.00	5.00	2.77
51.00	446.00	5.00	2.67
54.00	450.00	4.00	2.57
57.00	453.00	3.00	2.49
60.00	455.00	2.00	2.42
63.00	458.00	3.00	2.35
66.00	460.00	2.00	2.29
69.00	462.00	2.00	2.23
72.00	463.00	1.00	2.18
75.00	465.00	2.00	2.13
78.00	466.00	1.00	2.09
81.00	467.00	1.00	2.05
84.00	468.00	1.00	2.01
87.00	469.00	1.00	1.98

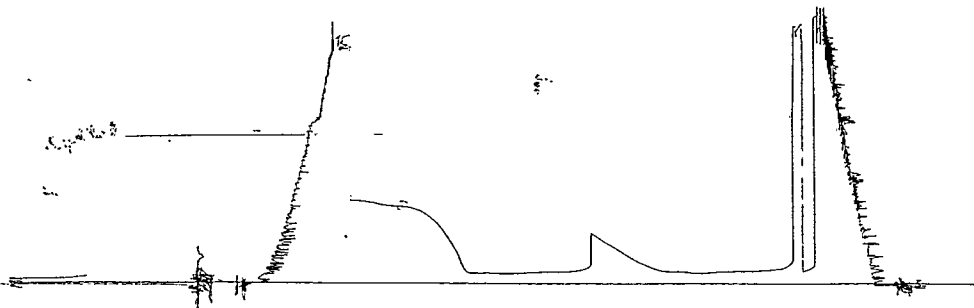
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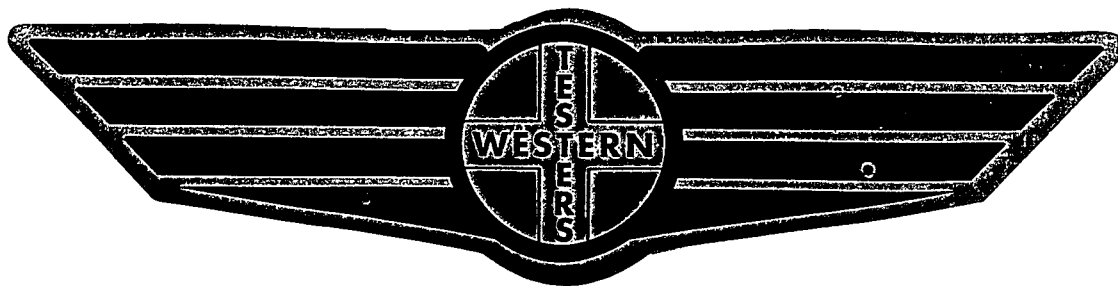
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 10/14/94	TICKET	: 20609
CUSTOMER	: PETROLEUM PRODUCTION MGMT	LEASE	: LANG GU
WELL	: #5	TEST: 3	GEOLOGIST: BAKER
ELEVATION:	2974KB	FORMATION:	TOWANDA
SECTION	: 15	TOWNSHIP	: 21S
RANGE	: 34W	STATE	: KS
GAUGE SN#:	1562	RANGE	: 3900
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	2662.00 ft	TO:	2695.00 ft	TVD:	2695.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	2672.0 ft		2675.0 ft		
TEMPERATURE:	111.0				
DRILL COLLAR LENGTH:	540.0 ft	I.D.:		2.200 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	2102.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	33.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	2657.0 ft	SIZE:		6.625 in	
PACKER DEPTH:	2662.0 ft	SIZE:		6.625 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	MURFIN RIG 3	VISCOSITY :	0.00 cp
MUD TYPE :	STARCH	WATER LOSS:	0.000 cc
WEIGHT :	0.000 ppg		
CHLORIDES :	44000 ppm	SERIAL NUMBER:	
JARS-MAKE :		REVERSED OUT?:	NO
DID WELL FLOW?:	YES		

COMMENTS

Comment

INITIAL FLOW: STRONG BLOW, OFF BOTTOM OF BUCKET IN
5 MINUTES. GAS TO SURFACE IN 18 MINUTES.
SEE ATTACHED SHEET.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
75.0	0.0	13.0	0.0	87.0	GAS CUT MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 44000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	135.0000 min.
GAS VOLUME:	0.2574 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.3068 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.3068 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1460.00

Description	Duration	p1	p End
INITIAL FLOW	90.00	20.00	40.00
INITIAL SHUT-IN	60.00		460.00
FINAL FLOW	60.00	50.00	50.00
FINAL SHUT-IN	90.00		460.00

FINAL HYDROSTATIC PRESSURE: 1411.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1451.00

Description	Duration	p1	p End
INITIAL FLOW	85.00	28.00	34.00
INITIAL SHUT-IN	69.00		469.00
FINAL FLOW	50.00	43.00	43.00
FINAL SHUT-IN	90.00		470.00

FINAL HYDROSTATIC PRESSURE: 1409.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 10/14/94	TICKET : 20609
CUSTOMER : PETROLEUM PRODUCTION MGMT	LEASE : LANG GU
WELL : #5 TEST: 3	GEOLOGIST: BAKER
ELEVATION: 2974KB	FORMATION: TOWANDA
SECTION : 15	TOWNSHIP : 21S
RANGE : 34W COUNTY: FINNEY	STATE : KS
GAUGE SN#: 1562 RANGE : 3900	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
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SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	0.250	14" WATER	6330 SCF/D
20 MIN	MERLA	0.250	12" WATER	5860 SCF/D
30 MIN	MERLA	0.250	10" WATER	5320 SCF/D
40 MIN	MERLA	0.250	10" WATER	5320 SCF/D
50 MIN	MERLA	0.250	10" WATER	5320 SCF/D
60 MIN	MERLA	0.250	10" WATER	5320 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 10/14/94	TICKET	: 20609
CUSTOMER	: PETROLEUM PRODUCTION MGMT	LEASE	: LANG GU
WELL	: #5	GEOLOGIST	: BAKER
ELEVATION	: 2974KB	FORMATION	: TOWANDA
SECTION	: 15	TOWNSHIP	: 21S
RANGE	: 34W	STATE	: KS
GAUGE SN#	: 1562	CLOCK	: 12
	COUNTY: FINNEY		
	RANGE : 3900		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	28.00	28.00
5.00	28.00	0.00
10.00	28.00	0.00
15.00	28.00	0.00
20.00	28.00	0.00
25.00	28.00	0.00
30.00	28.00	0.00
35.00	30.00	2.00
40.00	30.00	0.00
45.00	30.00	0.00
50.00	31.00	1.00
55.00	31.00	0.00
60.00	32.00	1.00
65.00	32.00	0.00
70.00	33.00	1.00
75.00	33.00	0.00
80.00	34.00	1.00
85.00	34.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	65.00	65.00	29.33
6.00	203.00	138.00	15.17
9.00	314.00	111.00	10.44
12.00	368.00	54.00	8.08
15.00	398.00	30.00	6.67
18.00	414.00	16.00	5.72
21.00	430.00	16.00	5.05
24.00	438.00	8.00	4.54

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
27.00	446.00	8.00	4.15
30.00	451.00	5.00	3.83
33.00	456.00	5.00	3.58
36.00	458.00	2.00	3.36
39.00	460.00	2.00	3.18
42.00	462.00	2.00	3.02
45.00	464.00	2.00	2.89
48.00	466.00	2.00	2.77
51.00	467.00	1.00	2.67
54.00	468.00	1.00	2.57
57.00	468.00	0.00	2.49
60.00	469.00	1.00	2.42
63.00	469.00	0.00	2.35
66.00	469.00	0.00	2.29
69.00	469.00	0.00	2.23

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	43.00	43.00
5.00	43.00	0.00
10.00	43.00	0.00
15.00	43.00	0.00
20.00	43.00	0.00
25.00	43.00	0.00
30.00	43.00	0.00
35.00	43.00	0.00
40.00	43.00	0.00
45.00	43.00	0.00
50.00	43.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	156.00	156.00	17.67
6.00	290.00	134.00	9.33
9.00	360.00	70.00	6.56
12.00	390.00	30.00	5.17

PRESSURE TRANSIENT REPORT (CONTINUED)

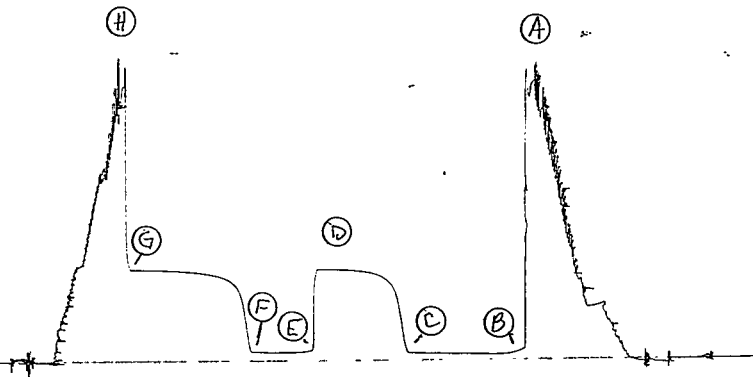
FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
15.00	405.00	15.00	4.33
18.00	416.00	11.00	3.78
21.00	426.00	10.00	3.38
24.00	432.00	6.00	3.08
27.00	438.00	6.00	2.85
30.00	439.00	1.00	2.67
33.00	441.00	2.00	2.52
36.00	447.00	6.00	2.39
39.00	453.00	6.00	2.28
42.00	456.00	3.00	2.19
45.00	458.00	2.00	2.11
48.00	459.00	1.00	2.04
51.00	460.00	1.00	1.98
54.00	462.00	2.00	1.93
57.00	463.00	1.00	1.88
60.00	464.00	1.00	1.83
63.00	465.00	1.00	1.79
66.00	466.00	1.00	1.76
69.00	467.00	1.00	1.72
72.00	468.00	1.00	1.69
75.00	469.00	1.00	1.67
78.00	470.00	1.00	1.64
81.00	470.00	0.00	1.62
84.00	470.00	0.00	1.60
87.00	470.00	0.00	1.57
90.00	470.00	0.00	1.56

1563
DSX #3
TOP

Kit # 20609
I

5



2605
Pst #3
Bottom

Skt # 20609

0

