

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 9-27-94	TICKET	: 20958
CUSTOMER	: OXY USA, INC.	LEASE	: GORDON A
WELL	: #1	TEST: 1	GEOLOGIST: D. SEIMAN ?
ELEVATION	: 1714 GL	FORMATION	: LOWER MISSISSIPPI
SECTION	: 2	TOWNSHIP	: 34S
RANGE	: 14W	COUNTY: BARBER	STATE : KS
GAUGE SN#	: 4339	RANGE : 4300	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4795.00 ft	TO:	4830.00 ft	TVD:	4830.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4798.0 ft		4830.0 ft		
TEMPERATURE:	122.0				
DRILL COLLAR LENGTH:	0.0 ft	I.D.:		0.000 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4767.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	35.0 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 :		4.5 XH	
PACKER DEPTH:	4790.0 ft	SIZE:		6.625 in	
PACKER DEPTH:	4795.0 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. :	DUKE #5	VISCOSITY :	46.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.000 cc
WEIGHT :	9.300 ppg		
CHLORIDES :	4000 ppm	SERIAL NUMBER:	405
JARS-MAKE :	WESTERN	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD- DIED IN ONE MINUTE.
FINAL FLOW PERIOD- NO BLOW

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
15.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.2104	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.2104	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2364.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	113.00	68.00
INITIAL SHUT-IN	30.00		68.00
FINAL FLOW	30.00	68.00	79.00
FINAL SHUT-IN	120.00		93.00

FINAL HYDROSTATIC PRESSURE: 2299.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2349.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	84.00	62.00
INITIAL SHUT-IN	30.00		62.00
FINAL FLOW	30.00	62.00	64.00
FINAL SHUT-IN	123.00		83.00

FINAL HYDROSTATIC PRESSURE: 2277.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 9-27-94	TICKET : 20958
CUSTOMER : OXY USA, INC.	LEASE : GORDON A
WELL : #1	GEOLOGIST: D. SEIMAN ?
ELEVATION: 1714 GL	FORMATION: LOWER MISSISSIPPI
SECTION : 2	TOWNSHIP : 34S
RANGE : 14W	STATE : KS
GAUGE SN#: 4339	CLOCK : 12
TEST: 1	
COUNTY: BARBER	
RANGE : 4300	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	84.00	84.00
5.00	83.00	-1.00
10.00	81.00	-2.00
15.00	80.00	-1.00
20.00	75.00	-5.00
25.00	69.00	-6.00
30.00	62.00	-7.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	62.00	62.00	0.00
6.00	62.00	0.00	0.00
9.00	62.00	0.00	0.00
12.00	62.00	0.00	0.00
15.00	62.00	0.00	0.00
18.00	62.00	0.00	0.00
21.00	62.00	0.00	0.00
24.00	62.00	0.00	0.00
27.00	62.00	0.00	0.00
30.00	62.00	0.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	62.00	62.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	62.00	0.00
10.00	62.00	0.00
15.00	62.00	0.00
20.00	63.00	1.00
25.00	63.00	0.00
30.00	64.00	1.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	64.00	64.00	0.00
6.00	64.00	0.00	0.00
9.00	64.00	0.00	0.00
12.00	64.00	0.00	0.00
15.00	65.00	1.00	0.00
18.00	65.00	0.00	0.00
21.00	65.00	0.00	0.00
24.00	65.00	0.00	0.00
27.00	65.00	0.00	0.00
30.00	65.00	0.00	0.00
33.00	66.00	1.00	0.00
36.00	66.00	0.00	0.00
39.00	66.00	0.00	0.00
42.00	66.00	0.00	0.00
45.00	66.00	0.00	0.00
48.00	66.00	0.00	0.00
51.00	66.00	0.00	0.00
54.00	66.00	0.00	0.00
57.00	67.00	1.00	0.00
60.00	67.00	0.00	0.00
63.00	68.00	1.00	0.00
66.00	68.00	0.00	0.00
69.00	68.00	0.00	0.00
72.00	68.00	0.00	0.00
75.00	69.00	1.00	0.00
78.00	70.00	1.00	0.00
81.00	71.00	1.00	0.00
84.00	72.00	1.00	0.00
87.00	73.00	1.00	0.00
90.00	74.00	1.00	0.00
93.00	74.00	0.00	0.00
96.00	75.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
99.00	76.00	1.00	0.00
102.00	77.00	1.00	0.00
105.00	78.00	1.00	0.00
108.00	79.00	1.00	0.00
111.00	79.00	0.00	0.00
114.00	80.00	1.00	0.00
117.00	81.00	1.00	0.00
120.00	82.00	1.00	0.00
123.00	83.00	1.00	0.00

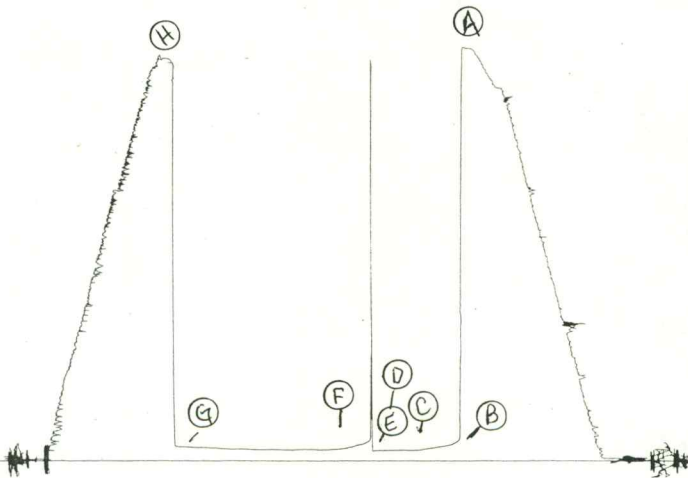
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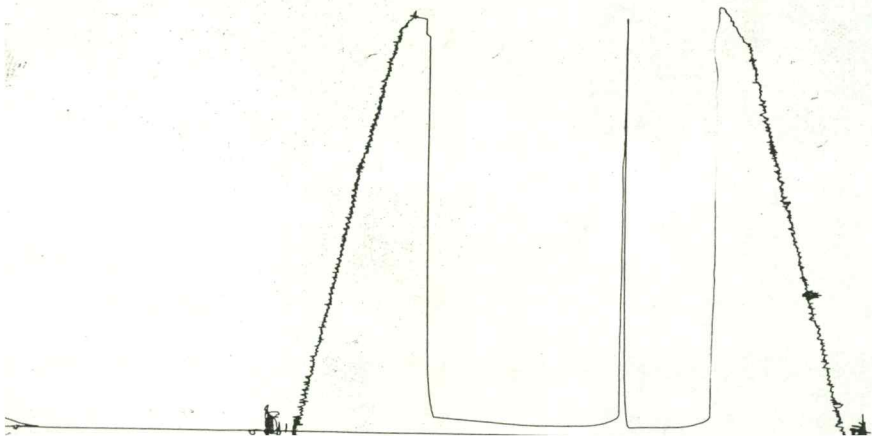
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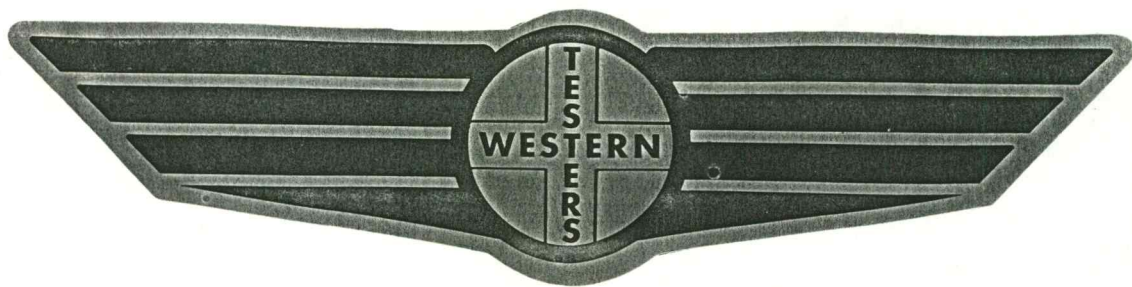
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FORMATION TEST REPORT



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DST REPORT

GENERAL INFORMATION

DATE	: 9-28-94	TICKET	: 20959
CUSTOMER	: OXY USA, INC.	LEASE	: GORDON A
WELL	: #1	TEST: 2	GEOLOGIST: D. SEIMAN ?
ELEVATION	: 1714 GL	FORMATION	: MISSISSIPPI
SECTION	: 2	TOWNSHIP	: 34S
RANGE	: 14W	STATE	: KS
GAUGE SN#	: 4339	RANGE	: 4300
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4840.00 ft	TO:	4885.00 ft	TVD:	4885.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4844.0 ft		4885.0 ft		
TEMPERATURE:	120.0				
DRILL COLLAR LENGTH:	0.0 ft	I.D.:		0.000 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4812.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	45.0 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 :		4.5 XH	
PACKER DEPTH:	4835.0 ft	SIZE:		6.625 in	
PACKER DEPTH:	4840.0 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. :	DUKE #5	VISCOSITY :	52.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	9.200 cc
WEIGHT :	9.200 ppg		
CHLORIDES :	5000 ppm	SERIAL NUMBER:	405
JARS-MAKE :	WESTERN	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD- 2 INCH DECREASING TO SURFACE
BLOW. FINAL FLOW PERIOD- BOTTOM OF BUCKET
DECREASING TO SURFACE BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	370 FT GAS ABOVE FLUID
50.0	2.0	2.0	0.0	96.0	SLIGHTLY OIL&GAS CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0140	STB		
GAS VOLUME:	0.0788	SCF		
MUD VOLUME:	0.6733	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	0.6873	STB		
			TOTAL FLOW TIME:	105.0000 min.
			AVERAGE OIL RATE:	9.4257 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2441.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	90.00	68.00
INITIAL SHUT-IN	60.00		204.00
FINAL FLOW	60.00	90.00	90.00
FINAL SHUT-IN	120.00		845.00

FINAL HYDROSTATIC PRESSURE: 2331.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2425.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	67.00	0.00
INITIAL SHUT-IN	57.00		202.00
FINAL FLOW	60.00	62.00	76.00
FINAL SHUT-IN	120.00		838.00

FINAL HYDROSTATIC PRESSURE: 2294.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 9-28-94	TICKET	: 20959
CUSTOMER	: OXY USA, INC.	LEASE	: GORDON A
WELL	: #1	TEST: 2	GEOLOGIST: D. SEIMAN ?
ELEVATION	: 1714 GL	FORMATION	: MISSISSIPPI
SECTION	: 2	TOWNSHIP	: 34S
RANGE	: 14W	COUNTY: BARBER	STATE : KS
GAUGE SN#	: 4339	RANGE : 4300	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	67.00	67.00
5.00	68.00	1.00
10.00	68.00	0.00
15.00	68.00	0.00
20.00	60.00	-8.00
25.00	58.00	-2.00
30.00	55.00	-3.00
35.00	55.00	0.00
40.00	55.00	0.00
45.00	0.00	-55.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	55.00	55.00	16.00
6.00	55.00	0.00	8.50
9.00	57.00	2.00	6.00
12.00	60.00	3.00	4.75
15.00	66.00	6.00	4.00
18.00	74.00	8.00	3.50
21.00	80.00	6.00	3.14
24.00	86.00	6.00	2.88
27.00	94.00	8.00	2.67
30.00	101.00	7.00	2.50
33.00	110.00	9.00	2.36
36.00	124.00	14.00	2.25
39.00	134.00	10.00	2.15
42.00	148.00	14.00	2.07
45.00	161.00	13.00	2.00
48.00	170.00	9.00	1.94

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
51.00	183.00	13.00	1.88
54.00	192.00	9.00	1.83
57.00	202.00	10.00	1.79

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	62.00	62.00
5.00	62.00	0.00
10.00	62.00	0.00
15.00	62.00	0.00
20.00	62.00	0.00
25.00	62.00	0.00
30.00	62.00	0.00
35.00	102.00	40.00
40.00	74.00	-28.00
45.00	74.00	0.00
50.00	74.00	0.00
55.00	74.00	0.00
60.00	76.00	2.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	76.00	76.00	21.00
6.00	76.00	0.00	11.00
9.00	78.00	2.00	7.67
12.00	89.00	11.00	6.00
15.00	103.00	14.00	5.00
18.00	123.00	20.00	4.33
21.00	144.00	21.00	3.86
24.00	165.00	21.00	3.50
27.00	184.00	19.00	3.22
30.00	202.00	18.00	3.00
33.00	221.00	19.00	2.82
36.00	241.00	20.00	2.67
39.00	259.00	18.00	2.54
42.00	275.00	16.00	2.43

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
45.00	296.00	21.00	2.33
48.00	316.00	20.00	2.25
51.00	339.00	23.00	2.18
54.00	364.00	25.00	2.11
57.00	386.00	22.00	2.05
60.00	412.00	26.00	2.00
63.00	436.00	24.00	1.95
66.00	460.00	24.00	1.91
69.00	484.00	24.00	1.87
72.00	508.00	24.00	1.83
75.00	528.00	20.00	1.80
78.00	543.00	15.00	1.77
81.00	559.00	16.00	1.74
84.00	581.00	22.00	1.71
87.00	601.00	20.00	1.69
90.00	624.00	23.00	1.67
93.00	643.00	19.00	1.65
96.00	662.00	19.00	1.63
99.00	685.00	23.00	1.61
102.00	701.00	16.00	1.59
105.00	732.00	31.00	1.57
108.00	755.00	23.00	1.56
111.00	779.00	24.00	1.54
114.00	804.00	25.00	1.53
117.00	827.00	23.00	1.51
120.00	838.00	11.00	1.50

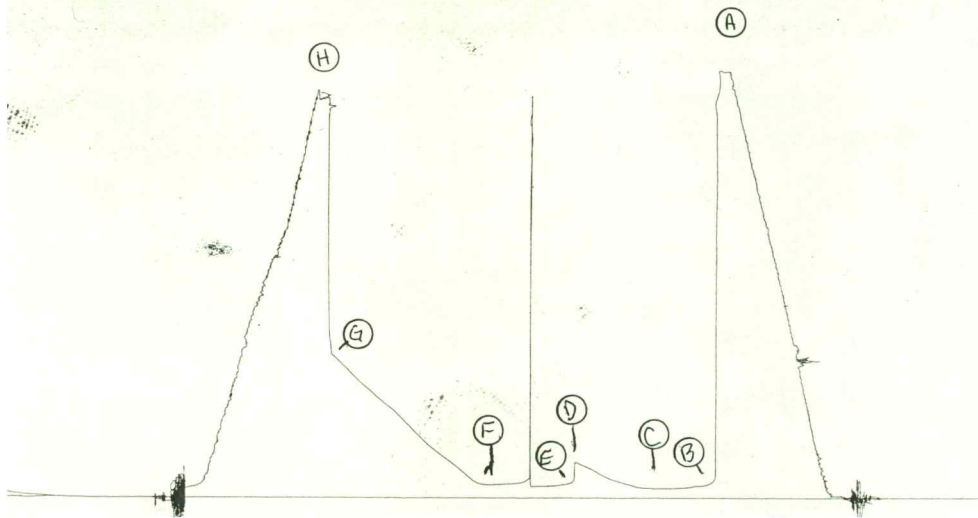
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