Turnkey

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET № 20630

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1929 GL Formation Lansing Eff. Pay ____ Ft.

District PRATT Date 12-3-94 Customer Order No. ____

COMPANY NAME Woolsey Petroleum Corp

ADDRESS 107 North Market S-600 Wichita Kansas 67202-1807

LEASE AND WELL NO. Gillespie #1 COUNTY Barber STATE Kansas Sec. 13 Twp. 30S Rge. 13W

Mail Invoice To Same Duke Drlg. 13 30S 14W No. Copies Requested 1 Cpy
Co. Name Address

Mail Charts To Same No. Copies Requested 1 Cpy
Address

Formation Test No. 1 Interval Tested From 4206 ft. to 4230 ft. Total Depth 4230 ft.

Packer Depth 4201 ft. Size 6 3/8 in. Packer Depth ~ ft. Size ~ in.

Packer Depth 4206 ft. Size 6 3/8 in. Packer Depth ~ ft. Size ~ in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4217 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 4220 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Duke Rig #1 Drill Collar Length -0- I. D. — in.

Mud Type Chem Viscosity 50 Weight Pipe Length -0- I. D. — in.

Weight 9.4 Water Loss 16.8 cc. Drill Pipe Length 4178 I. D. 3.8 in.

Chlorides 8,200 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 411 Anchor Length 24 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Weak blow building to a strong blow 25 minutes on initial flow
Strong blow throughout final flow period

Recovered ____ ft. of ____

Recovered 120 ft. of Watery Mud 40% water - 60% mud 40,000 P.P.M.

Recovered 90 ft. of Muddy water 30% mud 70% water 96,000 P.P.M.

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Chlorides ____ P.P.M. Sample Jars used ____ Remarks: ____

Time On Location 6:15 A.M. P.M. Time Pick Up Tool 8:30 A.M. P.M. Time Off Location 4:00 A.M. P.M.

Time Set Packer(s) 9:50 A.M. P.M. Time Started Off Bottom 1:35 A.M. P.M. Maximum Temperature 120 °F

Initial Hydrostatic Pressure ..... (A) 1974 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 86 P.S.I. to (C) 86 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1387 P.S.I.

Final Flow Period ..... Minutes 45 (E) 107 P.S.I. to (F) 107 P.S.I.

Final Closed In Period ..... Minutes 90 (G) 1334 P.S.I.

Final Hydrostatic Pressure ..... (H) 1974 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Michael K. Maune
Signature of Customer or his authorized representative

Western Representative Rod Tritt - Thank you

FIELD INVOICE

Open Hole Test	$ 600
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$ 10
Insurance	$
~~Telecopier~~	$
TOTAL	$

Ticket #20630

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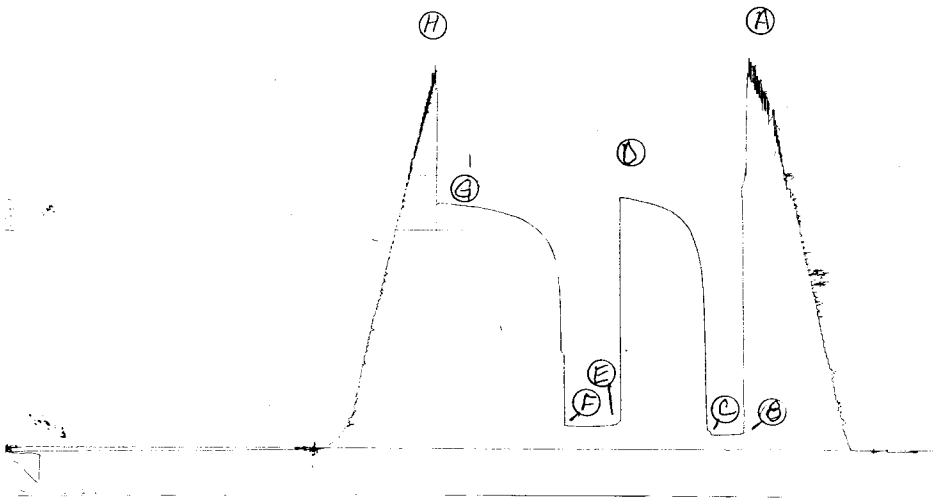

4332 DST #1

Ticket #20630

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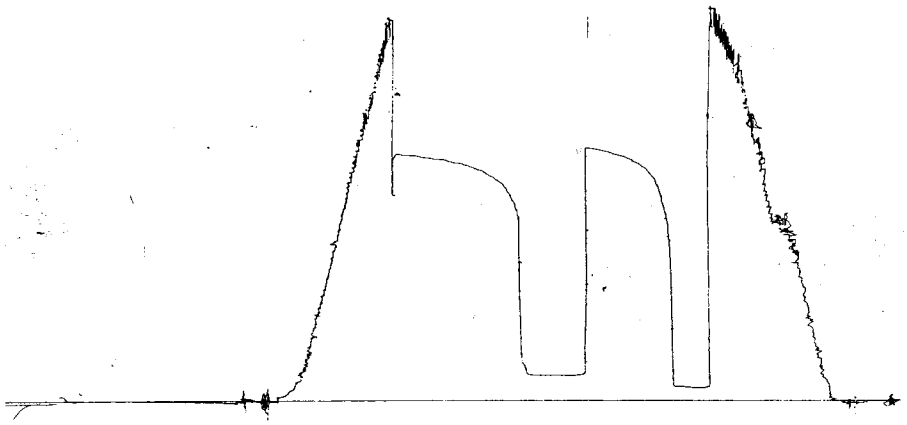

FORMATION TEST REPORT

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY WOOLSEY PETROLEUM CORPORATION LEASE & WELL NO. #1 GILLESPIE SEC. 13 TWP. 30S RGE. 14W TEST NO. 1 DATE 12/03/94

DST REPORT

GENERAL INFORMATION

DATE	: 12/03/94	TICKET	: 20630
CUSTOMER	: WOOLSEY PETROLEUM CORP.	LEASE	: GILLESPIE
WELL	: #1 TEST: 1	GEOLOGIST	: MAUNE?
ELEVATION	: 1929GL	FORMATION	: LANSING
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4206.00 ft TO: 4230.00 ft TVD: 4230.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4217.0 ft 4220.0 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 :	4178.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	24.0 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:	4201.0 ft	SIZE:	6.625 in
PACKER DEPTH:	4206.0 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 DRILLING RIG #1		
MUD TYPE	: CHEMICAL	VISCOSITY :	50.00 cp
WEIGHT	: 9.400 ppg	WATER LOSS:	16.800 cc
CHLORIDES	: 8200 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW: WEAK BLOW BUILDING TO A STRONG BLOW
IN 25 MINUTES.
FINAL FLOW: STRONG BLOW THROUGHOUT.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	0.0	40.0	60.0	WATERY MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 40,000 PPM
90.0	0.0	0.0	70.0	30.0	MUDDY WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 96,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	75.0000 min.
MUD VOLUME:	1.3886 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	1.5569 STB	AVERAGE WATER RATE:	56.5543 STB/D
TOTAL FLUID :	2.9455 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1974.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	86.00
INITIAL SHUT-IN	60.00		1387.00
FINAL FLOW	45.00	107.00	107.00
FINAL SHUT-IN	90.00		1334.00

FINAL HYDROSTATIC PRESSURE: 1974.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2040.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	80.00	80.00
INITIAL SHUT-IN	66.00		1388.00
FINAL FLOW	45.00	126.00	131.00
FINAL SHUT-IN	96.00		1355.00

FINAL HYDROSTATIC PRESSURE: 1991.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 12/03/94	TICKET	: 20630
CUSTOMER	: WOOLSEY PETROLEUM CORP.	LEASE	: GILLESPIE
WELL	: #1 TEST: 1	GEOLOGIST	: MAUNE?
ELEVATION	: 1929GL	FORMATION	: LANSING
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	80.00	80.00
5.00	80.00	0.00
10.00	80.00	0.00
15.00	80.00	0.00
20.00	80.00	0.00
25.00	80.00	0.00
30.00	80.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	714.00	714.00	0.00
6.00	1017.00	303.00	0.00
9.00	1112.00	95.00	0.00
12.00	1177.00	65.00	0.00
15.00	1223.00	46.00	0.00
18.00	1254.00	31.00	0.00
21.00	1277.00	23.00	0.00
24.00	1295.00	18.00	0.00
27.00	1312.00	17.00	0.00
30.00	1322.00	10.00	0.00
33.00	1331.00	9.00	0.00
36.00	1341.00	10.00	0.00
39.00	1348.00	7.00	0.00
42.00	1356.00	8.00	0.00
45.00	1361.00	5.00	0.00
48.00	1366.00	5.00	0.00
51.00	1371.00	5.00	0.00
54.00	1376.00	5.00	0.00
57.00	1381.00	5.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	1385.00	4.00	0.00
63.00	1386.00	1.00	0.00
66.00	1388.00	2.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	126.00	126.00
5.00	126.00	0.00
10.00	126.00	0.00
15.00	126.00	0.00
20.00	126.00	0.00
25.00	126.00	0.00
30.00	126.00	0.00
35.00	126.00	0.00
40.00	129.00	3.00
45.00	131.00	2.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	634.00	634.00	0.00
6.00	971.00	337.00	0.00
9.00	1073.00	102.00	0.00
12.00	1130.00	57.00	0.00
15.00	1162.00	32.00	0.00
18.00	1186.00	24.00	0.00
21.00	1206.00	20.00	0.00
24.00	1226.00	20.00	0.00
27.00	1241.00	15.00	0.00
30.00	1256.00	15.00	0.00
33.00	1265.00	9.00	0.00
36.00	1277.00	12.00	0.00
39.00	1283.00	6.00	0.00
42.00	1290.00	7.00	0.00
45.00	1297.00	7.00	0.00
48.00	1305.00	8.00	0.00
51.00	1310.00	5.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
54.00	1316.00	6.00	0.00
57.00	1320.00	4.00	0.00
60.00	1324.00	4.00	0.00
63.00	1329.00	5.00	0.00
66.00	1335.00	6.00	0.00
69.00	1337.00	2.00	0.00
72.00	1338.00	1.00	0.00
75.00	1341.00	3.00	0.00
78.00	1343.00	2.00	0.00
81.00	1346.00	3.00	0.00
84.00	1349.00	3.00	0.00
87.00	1350.00	1.00	0.00
90.00	1351.00	1.00	0.00
93.00	1353.00	2.00	0.00
96.00	1355.00	2.00	0.00

WESTERN TESTING CO., INC.

Pressure Data

DATE 12/3/94 Test Ticket No. 20630

Recorder No. 1051 Capacity _____ Location _____ Pc.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2040 P.S.I.		Open Tool	_____ M	_____
B	First Initial Flow Pressure	_____ P.S.I.		First Flow Pressure	_____ Mins.	_____ Mins.
C	First Final Flow Pressure	_____ P.S.I.		Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D	Initial Closed-in Pressure	_____ P.S.I.		Second Flow Pressure	_____ Mins.	_____ Mins.
E	Second Initial Flow Pressure	_____ P.S.I.		Final Closed-in Pressure	_____ Mins.	_____ Mins.
F	Second Final Flow Pressure	_____ P.S.I.				
G	Final Closed-in Pressure	_____ P.S.I.				
H	Final Hydrostatic Mud	1991 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.

Point Mins.		Press.
P 1	0	80
P 2	5	
P 3	10	
P 4	15	
P 5	20	
P 6	25	
P 7	30	80
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14	65	
P15	70	
P16	75	
P17	80	
P18	85	
P19	90	
P20	95	
	100	

Initial Shut-In

Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.

Point Minutes	Press.
0	80
3	714
6	1017
9	1112
12	1177
15	1223
18	1254
21	1277
24	1295
27	1312
30	1322
33	1331
36	1341
39	1348
42	1356
45	1361
48	1366
51	1371
54	1376
57	1380
60	1385

63-1386 66-1388

Second Flow Pressure

Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.

Point Minutes	Press.
0	126
5	
10	
15	
20	
25	
30	
35	
40	129
45	131
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	

Final Shut-In

Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.

Point Minutes	Press.
0	131
3	634
6	971
9	1073
12	1130
15	1162
18	1186
21	1206
24	1226
27	1241
30	1256
33	1265
36	1277
39	1283
42	1290
45	1297
48	1305
51	1310
54	1316
57	1320
60	1324

WTC-4

Pressure Data

Date. _____ Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	P.S.I.		Open Tool	M	
B	First Initial Flow Pressure	P.S.I.		First Flow Pressure	Mins.	Mins.
C	First Final Flow Pressure	P.S.I.		Initial Closed-in Pressure	Mins.	Mins.
D	Initial Closed-in Pressure	P.S.I.		Second Flow Pressure	Mins.	Mins.
E	Second Initial Flow Pressure	P.S.I.		Final Closed-in Pressure	Mins.	Mins.
F	Second Final Flow Pressure	P.S.I.				
G	Final Closed-in Pressure	P.S.I.				
H	Final Hydrostatic Mud	P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	1329
P 2 110		66		110		66	1335
P 3 115		69		115		69	1337
P 4 120		72		120		72	1338
P 5 125		75		125		75	1341
P 6 130		78		130		78	1343
P 7 135		81		135		81	1346
P 8 140		84		140		84	1349
P 9 145		87		145		87	1350
P10 150		90		150		90	1351
P11 155		93		155		93	1353
P12 160		96		160		96	1355
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

WESTERN TESTING CO., INC.
FORMATION TESTING TICKET № 20631

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1929 GL Formation Marmaton Eff. Pay ____ Ft.

District Pratt Date 12-4-94 Customer Order No. ____

COMPANY NAME Woolsey Petroleum Corp

ADDRESS 107 North Market Suite #200 Wichita - Kansas 67202-1809

LEASE AND WELL NO. Gillespie #1 COUNTY Barber STATE Kansas Sec. 15 Twp. 34 Rge. 13w

Mail Invoice To Same (Co. Name) 13 305 MW (Address) No. Copies Requested 7

Mail Charts To Same (Address) No. Copies Requested 7

Formation Test No. 2 Interval Tested From 4410 ft. to 4470 ft. Total Depth 4470 ft.

Packer Depth 4405 ft. Size 6 3/8 in. Packer Depth — ft. Size — in.

Packer Depth 4410 ft. Size 6 3/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4457 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 4460 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Duke Drilling Rig #1 Drill Collar Length 0 I. D. — in.

Mud Type Chem Viscosity 75 Weight Pipe Length 0 I. D. — in.

Weight 8.8 Water Loss 7.2 cc. Drill Pipe Length 4382 I. D. 3.8 in.

Chlorides 2,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 41 Anchor Length 60 (31+29) ft. Size 4 1/2 + 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Very weak 3/4 inch on initial flow period
Very weak, Steady 1/2 inch blow on final flow

Recovered ____ ft. of ____

Recovered 15 ft. of Mud

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Chlorides ____ P.P.M. Sample Jars used ____ Remarks: ____

Time On Location 2:00 A.M. (P.M.) Time Pick Up Tool 7:30 A.M. (P.M.) Time Off Location 2:30 A.M. (P.M.)

Time Set Packer(s) 9:05 A.M. (P.M.) Time Started Off Bottom 12:05 A.M. (P.M.) Maximum Temperature 121 °F

Initial Hydrostatic Pressure ..... (A) 2059 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 25 P.S.I. to (C) 64 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 64 P.S.I.

Final Flow Period ..... Minutes 30 (E) 53 P.S.I. to (F) 53 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 53 P.S.I.

Final Hydrostatic Pressure ..... (H) 2027 P.S.I.

COMPANY TERMS

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All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Michael K. Maune
Signature of Customer or his authorized representative

Western Representative Rod Dritt — Thank You

FIELD INVOICE

Open Hole Test	$ ✓
Misrun	$
Straddle Test	$
Jars	✓
Selective Zone	$
Safety Joint	✓
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$ 10 —
Insurance	$
Recorder	$
TOTAL	✓

Ticket # 20631

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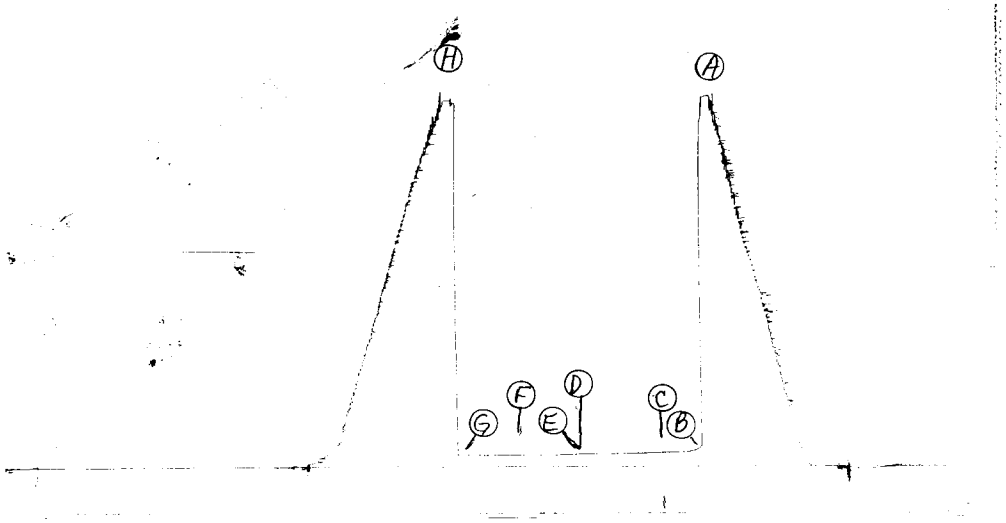

4332 DST #2

Ticket # 20631

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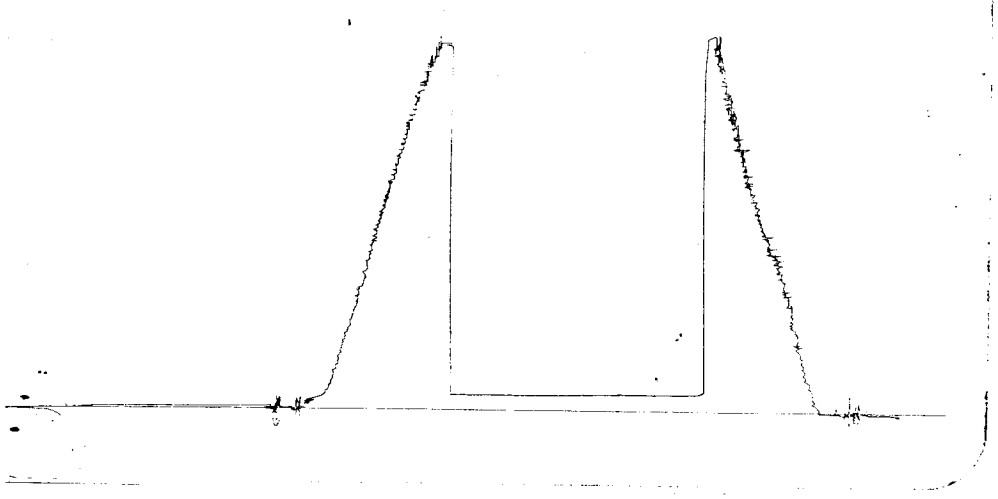
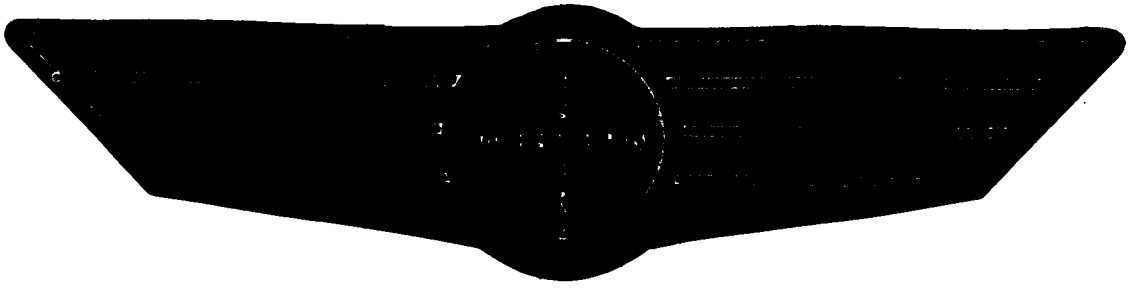


FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY WOOLSEY PETROLEUM CORP. LEASE & WELL NO. #1 GILLESPIE SEC. 13 TWP. 30S RGE. 14W TEST NO. 2 DATE 12/4/94

DST REPORT

GENERAL INFORMATION

DATE	: 12/4/94	TICKET	: 20631
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 2	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: MARMATON
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4410.00 ft TO: 4470.00 ft TVD: 4470.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4457.0 ft 4460.0 ft
TEMPERATURE: 121.0

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 :	4382.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	60.0 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:	4405.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4410.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON.	: DUKE DRLG RIG 1		
MUD TYPE	: CHEMICAL	VISCOSITY :	75.00 cp
WEIGHT	: 8.800 ppg	WATER LOSS:	7.200 cc
CHLORIDES	: 2000 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK 3/4 INCH BLOW.
FINAL FLOW PERIOD VERY WEAK STEADY 1/2 INCH 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		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	75.0000 min.
MUD VOLUME:	0.2104 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.2104 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2059.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	75.00	64.00
INITIAL SHUT-IN	60.00		64.00
FINAL FLOW	30.00	53.00	53.00
FINAL SHUT-IN	60.00		53.00

FINAL HYDROSTATIC PRESSURE: 2027.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2045.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	75.00	72.00
INITIAL SHUT-IN	60.00		64.00
FINAL FLOW	45.00	64.00	61.00
FINAL SHUT-IN	48.00		61.00

FINAL HYDROSTATIC PRESSURE: 2025.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 12/4/94
CUSTOMER : WOOLSEY PETROLEUM CORP
WELL : #1 TEST: 2
ELEVATION: 1929 GL
SECTION : 13
RANGE : 14W COUNTY: BARBER
GAUGE SN#: 1051 RANGE : 4250

TICKET : 20631
LEASE : GILLESPIE
GEOLOGIST: MAUNE
FORMATION: MARMATON
TOWNSHIP : 30S
STATE : KS
CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	75.00	75.00
5.00	75.00	0.00
10.00	74.00	-1.00
15.00	74.00	0.00
20.00	73.00	-1.00
25.00	73.00	0.00
30.00	72.00	-1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	72.00	72.00	0.00
6.00	72.00	0.00	0.00
9.00	71.00	-1.00	0.00
12.00	71.00	0.00	0.00
15.00	70.00	-1.00	0.00
18.00	70.00	0.00	0.00
21.00	69.00	-1.00	0.00
24.00	69.00	0.00	0.00
27.00	68.00	-1.00	0.00
30.00	68.00	0.00	0.00
33.00	67.00	-1.00	0.00
36.00	67.00	0.00	0.00
39.00	67.00	0.00	0.00
42.00	66.00	-1.00	0.00
45.00	66.00	0.00	0.00
48.00	66.00	0.00	0.00
51.00	65.00	-1.00	0.00
54.00	65.00	0.00	0.00
57.00	64.00	-1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	64.00	0.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	64.00	64.00
5.00	64.00	0.00
10.00	63.00	-1.00
15.00	62.00	-1.00
20.00	62.00	0.00
25.00	61.00	-1.00
30.00	61.00	0.00
35.00	61.00	0.00
40.00	61.00	0.00
45.00	61.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	61.00	61.00	0.00
6.00	61.00	0.00	0.00
9.00	61.00	0.00	0.00
12.00	61.00	0.00	0.00
15.00	61.00	0.00	0.00
18.00	61.00	0.00	0.00
21.00	61.00	0.00	0.00
24.00	61.00	0.00	0.00
27.00	61.00	0.00	0.00
30.00	61.00	0.00	0.00
33.00	61.00	0.00	0.00
36.00	61.00	0.00	0.00
39.00	61.00	0.00	0.00
42.00	61.00	0.00	0.00
45.00	61.00	0.00	0.00
48.00	61.00	0.00	0.00

WESTERN TESTING CO., INC.

Pressure Data

DATE _____ Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2045 P.S.I.	Open Tool	M	
B	First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C	First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D	Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E	Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F	Second Final Flow Pressure	P.S.I.			
G	Final Closed-in Pressure	P.S.I.			
H	Final Hydrostatic Mud	~~2000~~ 2025 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	75	0	72	0	64	0	61
P 2 5	75	3		5		3	
P 3 10	74	6		10		6	
P 4 15	74	9	71	15	62	9	
P 5 20	73	12	71	20	62	12	
P 6 25	73	15	70	25	61	15	
P 7 30	72	18	70	30		18	
P 8 35		21	69	35		21	
P 9 40		24	69	40		24	
P10 45		27	68	45		27	
P11 50		30	68	50		30	
P12 55		33	67	55		33	
P13 60		36	67	60		36	
P14 65		39	67	65		39	
P15 70		42	66	70		42	
P16 75		45	66	75		45	
P17 80		48	66	80		48	61
P18 85		51	65	85		51	
P19 90		54	65	90		54	
P20 95		57	64	95		57	
100		60	64	100		60	

WTC-8

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET № 20632

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1929 Gl Formation Miss Eff. Pay ____ Ft.

District Pratt Date 12-5-94 Customer Order No. ____

COMPANY NAME Woolsey Petroleum Corp

ADDRESS 107 North Market Suite #600 Wichita, Kansas 67202-1807

LEASE AND WELL NO. Gillespie #1 COUNTY Barber STATE Kansas Sec. ~~15~~ 13 Twp. ~~34S~~ 30S Rge. ~~13W~~ 14W

Mail Invoice To SAME No. Copies Requested 7
Co. Name Address

Mail Charts To SAME No. Copies Requested 7
Address

Formation Test No. 3 Interval Tested From 4518 ft. to 4570 ft. Total Depth 4570 ft.

Packer Depth 4513 ft. Size 6 5/8 in. Packer Depth 2 ft. Size 2 in.

Packer Depth 4518 ft. Size 6 5/8 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4562 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 4565 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Duke Drilling Rig 1 Drill Collar Length -0- I. D. — in.

Mud Type Chem Viscosity 75 Weight Pipe Length 0 I. D. — in.

Weight 8.8 Water Loss 7.2 cc. Drill Pipe Length 4490 I. D. 3.8 in.

Chlorides 2,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 41 Anchor Length 52-31+21 ft. Size 4 1/2 x 5 1/2 OD in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Weak blow building to a steady 2 inch blow on initial flow 3 inch blow at start of final flow depleating to a 2 inch steady blow on final flow

Recovered ____ ft. of ____

Recovered 50 ft. of Mud

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Chlorides ____ P.P.M. Sample Jars used ____ Remarks: ____

Time On Location 4:00 A.M. P.M. Time Pick Up Tool 5:10 A.M. P.M. Time Off Location 1:00 A.M. P.M.

Time Set Packer(s) 6:40 A.M. P.M. Time Started Off Bottom 10:25 A.M. P.M. Maximum Temperature 121 °F

Initial Hydrostatic Pressure		(A) 2134	P.S.I.	
Initial Flow Period	Minutes 30	(B) 86	P.S.I. to (C) 53	P.S.I.
Initial Closed In Period	Minutes 60	(D) 53	P.S.I.	
Final Flow Period	Minutes 45	(E) 53	P.S.I. to (F) 53	P.S.I.
Final Closed In Period	Minutes 90	(G) 53	P.S.I.	
Final Hydrostatic Pressure		(H) 2134	P.S.I.	

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Michael Maine
Signature of Customer or his authorized representative

Western Representative Rod Dritt - Thank you

FIELD INVOICE

Open Hole Test	$ ✓
Misrun	$
Straddle Test	$
Jars	✓
Selective Zone	$
Safety Joint	✓
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$ 10
Insurance	$
Telecopier	$
TOTAL	✓

Ticket # 20632 7

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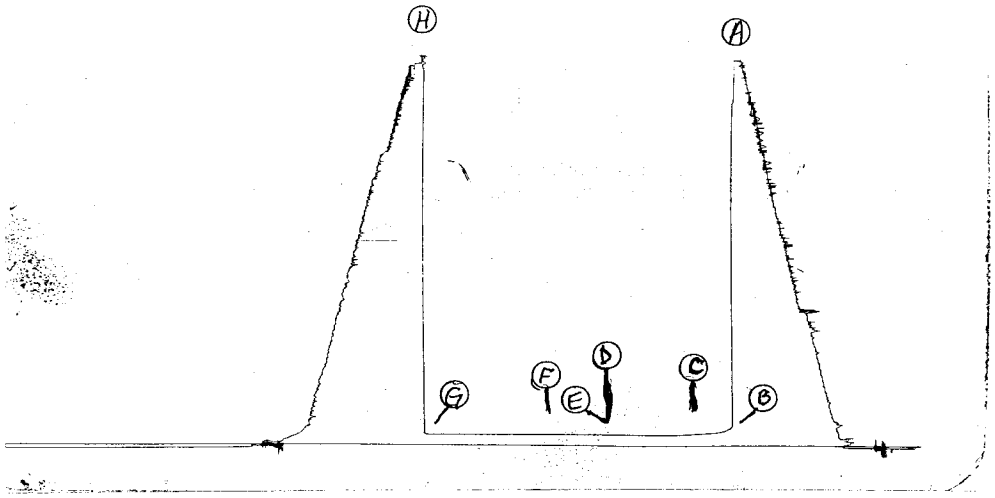

4332 DST#3

Ticket # 20632

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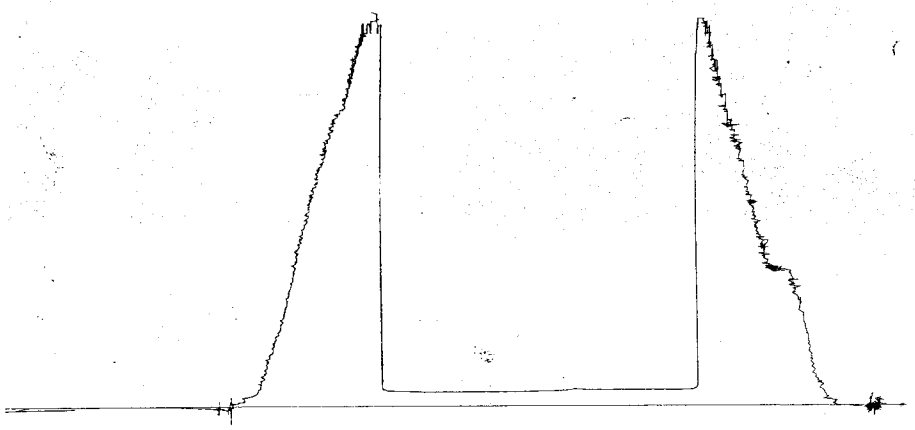


FORMATION TEST REPORT

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY WOOLSEY PETROLEUM CORP. LEASE & WELL NO. #1 GILLESPIE SEC. 13 TWP. 30S RGE. 14W TEST NO. 3 DATE 12/5/94

DST REPORT

GENERAL INFORMATION

DATE	: 12/5/94	TICKET	: 20632
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 3	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: MISSISSIPPI
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4518.00 ft TO: 4570.00 ft TVD: 4570.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4562.0 ft 4565.0 ft
TEMPERATURE: 121.0

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 :	4490.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	52.0 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:	4513.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4518.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON.	: DUKE DRLG RIG 1		
MUD TYPE	: CHEMICAL	VISCOSITY :	75.00 cp
WEIGHT	: 8.800 ppg	WATER LOSS:	7.200 cc
CHLORIDES	: 2000 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW BUILDING TO A STEADY 2 INCH BLOW. FINAL FLOW PERIOD 3 INCH BLOW AT START OF FLOW - DEPLEATING TO A 2 INCH STEADY BLOW

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
50.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	75.0000 min.
MUD VOLUME:	0.7013 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.7013 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2134.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	53.00
INITIAL SHUT-IN	60.00		53.00
FINAL FLOW	45.00	53.00	53.00
FINAL SHUT-IN	90.00		53.00

FINAL HYDROSTATIC PRESSURE: 2134.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2127.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	104.00	57.00
INITIAL SHUT-IN	60.00		57.00
FINAL FLOW	45.00	57.00	57.00
FINAL SHUT-IN	90.00		57.00

FINAL HYDROSTATIC PRESSURE: 2112.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 12/5/94	TICKET	: 20632
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 3	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: MISSISSIPPI
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	104.00	104.00
5.00	79.00	-25.00
10.00	70.00	-9.00
15.00	65.00	-5.00
20.00	63.00	-2.00
25.00	60.00	-3.00
30.00	57.00	-3.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	57.00	57.00	0.00
6.00	57.00	0.00	0.00
9.00	57.00	0.00	0.00
12.00	57.00	0.00	0.00
15.00	57.00	0.00	0.00
18.00	57.00	0.00	0.00
21.00	57.00	0.00	0.00
24.00	57.00	0.00	0.00
27.00	57.00	0.00	0.00
30.00	57.00	0.00	0.00
33.00	57.00	0.00	0.00
36.00	57.00	0.00	0.00
39.00	57.00	0.00	0.00
42.00	57.00	0.00	0.00
45.00	57.00	0.00	0.00
48.00	57.00	0.00	0.00
51.00	57.00	0.00	0.00
54.00	57.00	0.00	0.00
57.00	57.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	57.00	0.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	57.00	57.00
5.00	57.00	0.00
10.00	57.00	0.00
15.00	57.00	0.00
20.00	57.00	0.00
25.00	57.00	0.00
30.00	57.00	0.00
35.00	57.00	0.00
40.00	57.00	0.00
45.00	57.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	57.00	57.00	0.00
6.00	57.00	0.00	0.00
9.00	57.00	0.00	0.00
12.00	57.00	0.00	0.00
15.00	57.00	0.00	0.00
18.00	57.00	0.00	0.00
21.00	57.00	0.00	0.00
24.00	57.00	0.00	0.00
27.00	57.00	0.00	0.00
30.00	57.00	0.00	0.00
33.00	57.00	0.00	0.00
36.00	57.00	0.00	0.00
39.00	57.00	0.00	0.00
42.00	57.00	0.00	0.00
45.00	57.00	0.00	0.00
48.00	57.00	0.00	0.00
51.00	57.00	0.00	0.00
54.00	57.00	0.00	0.00
57.00	57.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	57.00	0.00	0.00
63.00	57.00	0.00	0.00
66.00	57.00	0.00	0.00
69.00	57.00	0.00	0.00
72.00	57.00	0.00	0.00
75.00	57.00	0.00	0.00
78.00	57.00	0.00	0.00
81.00	57.00	0.00	0.00
84.00	57.00	0.00	0.00
87.00	57.00	0.00	0.00
90.00	57.00	0.00	0.00

Pressure Data

Date 12/5 Test Ticket No. 20632

Recorder No. 11018 Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B	First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C	First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D	Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E	Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F	Second Final Flow Pressure	P.S.I.			
G	Final Closed-in Pressure	P.S.I.			
H	Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	57
P 2 110		66		110		66	
P 3 115		69		115		69	
P 4 120		72		120		72	
P 5 125		75		125		75	
P 6 130		78		130		78	
P 7 135		81		135		81	
P 8 140		84		140		84	
P 9 145		87		145		87	
P10 150		90		150		90	57
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

WTC - 4

WESTERN TESTING CO., INC.

Pressure Data

DATE 12/5

Test Ticket No. 20632

Recorder No. 1051 Capacity _____ Location _____ Pc

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2127	P.S.I.	Open Tool	_____ M	_____
B	First Initial Flow Pressure	_____	P.S.I.	First Flow Pressure	_____ Mins	_____ Mins.
C	First Final Flow Pressure	_____	P.S.I.	Initial Closed-in Pressure	_____ Mins	_____ Mins.
D	Initial Closed-in Pressure	_____	P.S.I.	Second Flow Pressure	_____ Mins	_____ Mins.
E	Second Initial Flow Pressure	_____	P.S.I.	Final Closed-in Pressure	_____ Mins.	_____ Mins.
F	Second Final Flow Pressure	_____	P.S.I.			
G	Final Closed-in Pressure	_____	P.S.I.			
H	Final Hydrostatic Mud	2112	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	124	0	57	0	57	0	57
P 2 5	79	3	57	5		3	
P 3 10	70	6		10		6	
P 4 15	65	9		15		9	
P 5 20	63	12		20		12	
P 6 25	60	15		25		15	
P 7 30	58	18		30		18	
P 8 35		21		35		21	
P 9 40		24		40		24	
P10 45		27		45	57	27	
P11 50		30		50		30	
P12 55		33		55		33	
P13 60		36		60		36	
P14 65		39		65		39	
P15 70		42		70		42	
P16 75		45		75		45	
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57		95		57	
100		60	57	100		60	

WTC-2

WESTERN TESTING CO., INC.
FORMATION TESTING TICKET № 20633

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1929 Gl Formation Viola Eff. Pay ____ Ft.

District PRATT Date 12-6-94 Customer Order No. ____

COMPANY NAME Woolsey Petroleum
ADDRESS 107 North Market Suite 600 Wichita, Kans 67202-1807
LEASE AND WELL NO. Gillespie COUNTY Barber STATE Kansas Sec. 13 Twp. 34S Rge. 13W

Mail Invoice To Same Co. Name Address No. Copies Requested 7
Mail Charts To Same Address No. Copies Requested 7

Formation Test No. 4 Interval Tested From 4598 ft. to 4660 ft. Total Depth 4660 ft.
Packer Depth 4593 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.
Packer Depth 4598 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.
Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4647 ft. Recorder Number 1057 Cap. 4250
Bottom Recorder Depth (Outside) 4650 ft. Recorder Number 4332 Cap. 4200
Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Duke Drilling Rig 1 Drill Collar Length -0- I. D. — in.
Mud Type Chem Viscosity 55 Weight Pipe Length -0- I. D. — in.
Weight 9.0 Water Loss 7.2 cc. Drill Pipe Length 4570 I. D. 3.8 in.
Chlorides 7,500 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 411 Anchor Length 62 (31+31) ft. Size 4 1/2 + 5 1/2 OD in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Weak to 5 inch blow on initial flow period
Strong blow on final flow No gas to surface

Recovered 1 ft. of
Recovered 234 ft. of Gas in pipe
Recovered ____ ft. of
Recovered 110 ft. of mud
Recovered ____ ft. of
Chlorides ____ P.P.M. Sample Jars used ____ Remarks:

Time On Location 1:30 A.M. P.M. Time Pick Up Tool 2:45 A.M. P.M. Time Off Location 11:30 A.M. P.M.
Time Set Packer(s) 4:20 A.M. P.M. Time Started Off Bottom 8:50 A.M. P.M. Maximum Temperature 122 °F

Initial Hydrostatic Pressure		(A) 2241 P.S.I.		
Initial Flow Period	Minutes 30	(B) 102 P.S.I.	to (C) 107	P.S.I.
Initial Closed In Period	Minutes 60	(D) 193 P.S.I.		
Final Flow Period	Minutes 60	(E) 107 P.S.I.	to (F) 107	P.S.I.
Final Closed In Period	Minutes 120	(G) 247 P.S.I.		
Final Hydrostatic Pressure		(H) 2187 P.S.I.		

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Michael K. Maune
Signature of Customer or his authorized representative

Western Representative Rod Tritt — Thank you

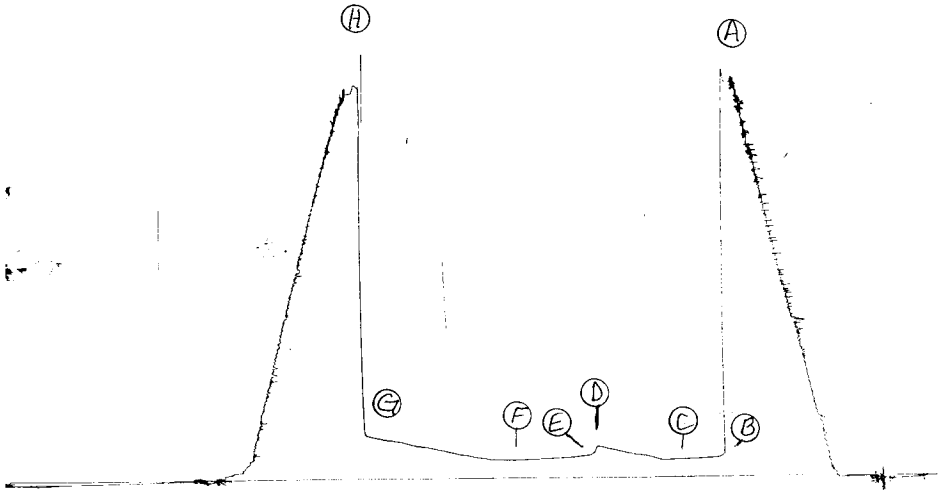
FIELD INVOICE

Open Hole Test	$ ✓
Misrun	$
Straddle Test	$
Jars	$ ✓
Selective Zone	$
Safety Joint	$ ✓
Standby	$
Evaluation	$ YC
Extra Packer	$ ✓
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$ 10 —
Insurance	$
Telecopier	$ ✓
TOTAL	$ —

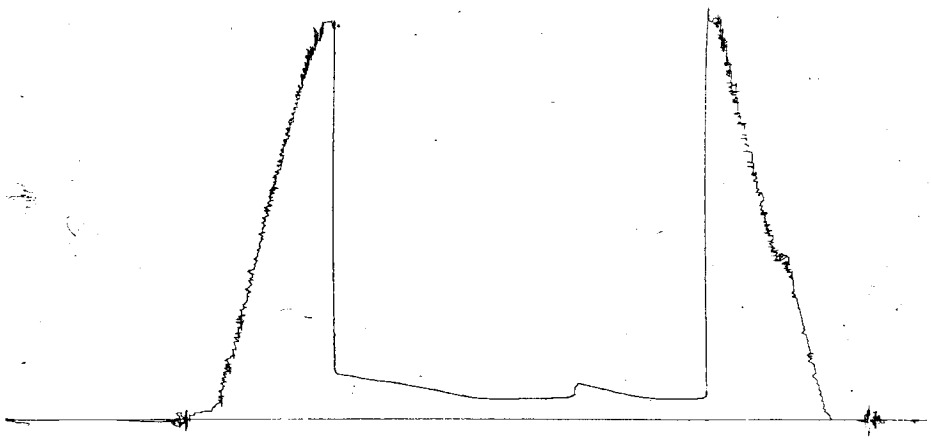
1021 DST#4

Ticket #20633

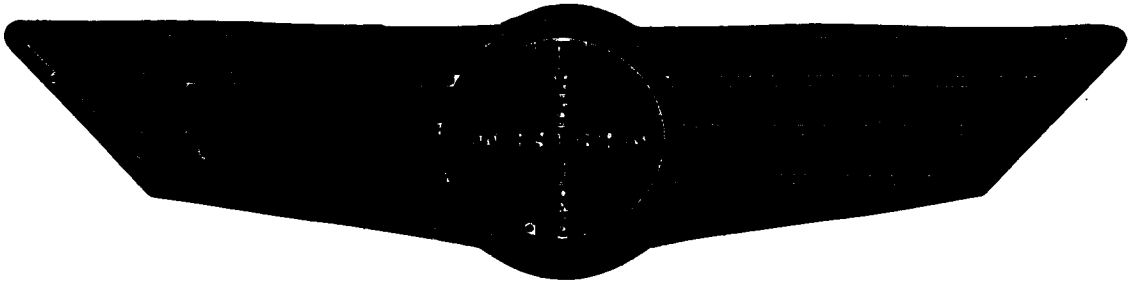
I



4332 DST#4



FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY WOOLSEY PETROLEUM CORPORATION LEASE & WELL NO. #1 GILLESPIE SEC. 13 TWP. 30S RGE. 14W TEST NO. 4 DATE 12/6/94

DST REPORT

GENERAL INFORMATION

DATE	: 12/6/94	TICKET	: 20633
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 4	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: VIOLA
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4598.00 ft TO: 4660.00 ft TVD: 4660.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4647.0 ft 4650.0 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 :	4570.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	62.0 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:	4593.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4598.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON.	: DUKE DRLG RIG 1		
MUD TYPE	: CHEMICAL	VISCOSITY :	55.00 cp
WEIGHT	: 9.000 ppg	WATER LOSS:	7.200 cc
CHLORIDES	: 7500 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW TO 5 INCHES.
FINAL FLOW PERIOD STRONG BLOW. NO GAS TO SURFACE

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	634 FT GAS ABOVE FLUID
110.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	90.0000 min.
MUD VOLUME:	1.5429 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	1.5429 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2241.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	107.00	107.00
INITIAL SHUT-IN	60.00		193.00
FINAL FLOW	60.00	107.00	107.00
FINAL SHUT-IN	120.00		247.00

FINAL HYDROSTATIC PRESSURE: 2187.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2241.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	107.00	107.00
INITIAL SHUT-IN	60.00		176.00
FINAL FLOW	60.00	122.00	107.00
FINAL SHUT-IN	120.00		249.00

FINAL HYDROSTATIC PRESSURE: 2187.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 12/6/94	TICKET	: 20633
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 4	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: VIOLA
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	107.00	107.00
5.00	107.00	0.00
10.00	107.00	0.00
15.00	107.00	0.00
20.00	107.00	0.00
25.00	107.00	0.00
30.00	107.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	107.00	107.00	11.00
6.00	107.00	0.00	6.00
9.00	107.00	0.00	4.33
12.00	107.00	0.00	3.50
15.00	107.00	0.00	3.00
18.00	107.00	0.00	2.67
21.00	113.00	6.00	2.43
24.00	118.00	5.00	2.25
27.00	124.00	6.00	2.11
30.00	126.00	2.00	2.00
33.00	129.00	3.00	1.91
36.00	132.00	3.00	1.83
39.00	135.00	3.00	1.77
42.00	144.00	9.00	1.71
45.00	150.00	6.00	1.67
48.00	156.00	6.00	1.63
51.00	165.00	9.00	1.59
54.00	169.00	4.00	1.56
57.00	174.00	5.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	176.00	2.00	1.50

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	122.00	122.00
5.00	120.00	-2.00
10.00	118.00	-2.00
15.00	118.00	0.00
20.00	118.00	0.00
25.00	118.00	0.00
30.00	118.00	0.00
35.00	113.00	-5.00
40.00	113.00	0.00
45.00	107.00	-6.00
50.00	107.00	0.00
55.00	107.00	0.00
60.00	107.00	0.00

FINAL SHUT IN

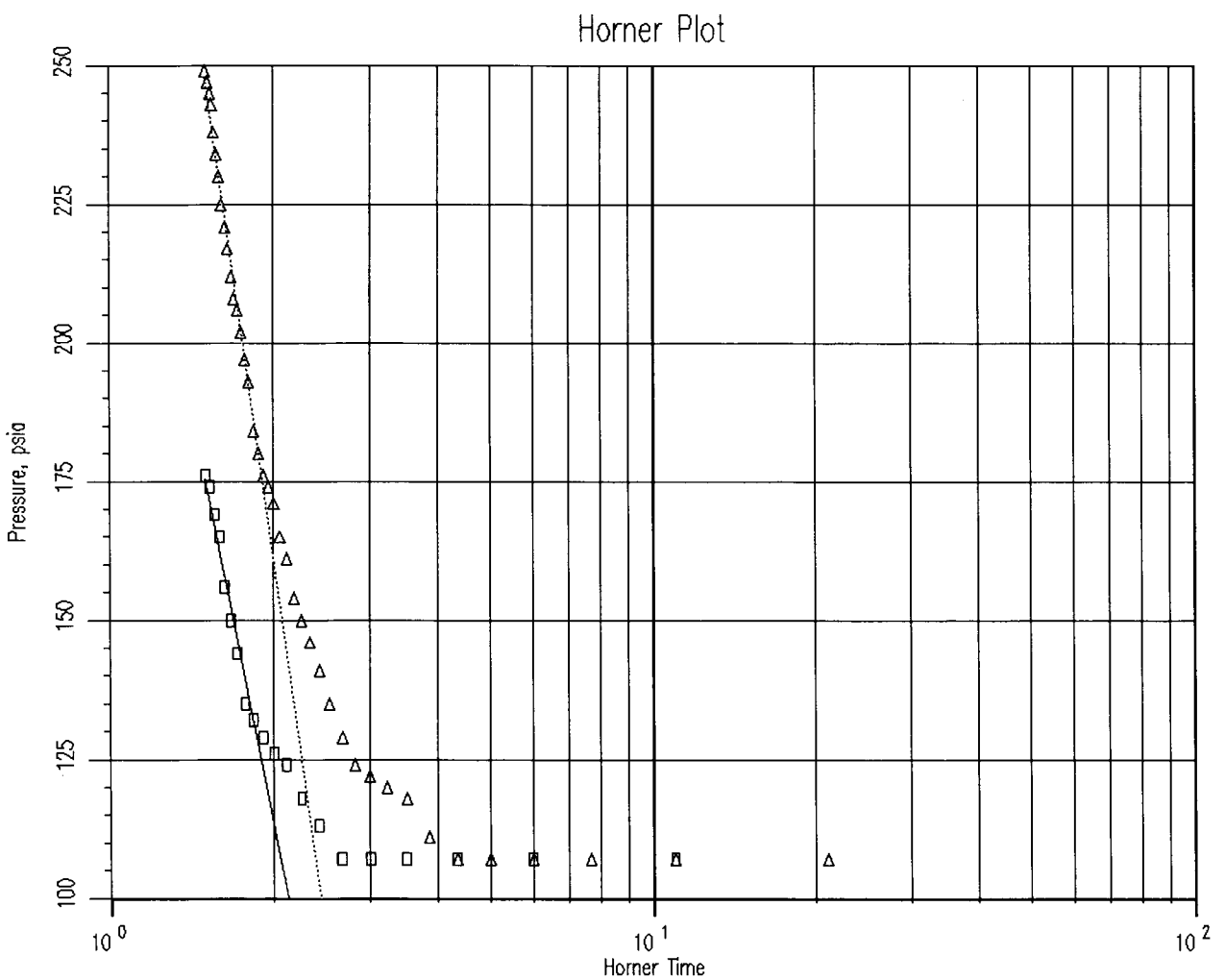
Time (min)	Pressure	Delta P	Horner T
3.00	107.00	107.00	21.00
6.00	107.00	0.00	11.00
9.00	107.00	0.00	7.67
12.00	107.00	0.00	6.00
15.00	107.00	0.00	5.00
18.00	107.00	0.00	4.33
21.00	111.00	4.00	3.86
24.00	118.00	7.00	3.50
27.00	120.00	2.00	3.22
30.00	122.00	2.00	3.00
33.00	124.00	2.00	2.82
36.00	129.00	5.00	2.67
39.00	135.00	6.00	2.54
42.00	141.00	6.00	2.43
45.00	146.00	5.00	2.33
48.00	150.00	4.00	2.25

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
51.00	154.00	4.00	2.18
54.00	161.00	7.00	2.11
57.00	165.00	4.00	2.05
60.00	171.00	6.00	2.00
63.00	174.00	3.00	1.95
66.00	176.00	2.00	1.91
69.00	180.00	4.00	1.87
72.00	184.00	4.00	1.83
75.00	193.00	9.00	1.80
78.00	197.00	4.00	1.77
81.00	202.00	5.00	1.74
84.00	206.00	4.00	1.71
87.00	208.00	2.00	1.69
90.00	212.00	4.00	1.67
93.00	217.00	5.00	1.65
96.00	221.00	4.00	1.63
99.00	225.00	4.00	1.61
102.00	230.00	5.00	1.59
105.00	234.00	4.00	1.57
108.00	238.00	4.00	1.56
111.00	243.00	5.00	1.54
114.00	245.00	2.00	1.53
117.00	247.00	2.00	1.51
120.00	249.00	2.00	1.50

DATE	12/6/94			TICKET	20633
CUSTOMER	WOOLSEY PETROLEUM CORP			LEASE	GILLESPIE
WELL	#1	TEST	4	GEOLOGIST	MAUNE
ELEVATION	1929 GL			FORMATION	VIOLA
SECTION	13			TOWNSHIP	30S
RANGE	14W	COUNTY	BARBER	STATE	KS
GAUGE SN#	1051	RANGE	4250	CLOCK	12



Result

	#1	#2
tp, hrs	0.50	1.00
Slope	-497.32	-698.75
Pstar, psig	262.97	370.68
P1hr, psig	175.39	160.33
Skin	-1.36	-1.46
k, md	0.47	0.33
kh/u, md-ft/cp	9.02	6.42
ri, ft	2.46	2.93
DR, %	0.08	0.05
Drawdown Factor, %		-41.477
Drawdown P*, %		-40.959

____ BUILD 1

..... BUILD 2

HORNER ANALYSIS REPORT

GENERAL INFORMATION

DATE	: 12/6/94	TICKET	: 20633
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 4	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: VIOLA
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

Input Data

Porosity 0.100 Rw: 0.328 ft h: 38.000 ft

qo 24.7 STB GOR 245.6 SCF/STB

Pvt Data
Evalutation Pressure : 1355.0
Evalutation Temperature: 122.0

Oil Grav	30.00 API	Gas Grav	0.65 API	Pb	1355.00 PSIA
Bo	1.118 RBL/STB	Vis	1.000 cp	Ct	2.0731E-004 1/PSI

Horner Results

	Inital Shut-In	Final Shut-In
pseudo pressure time	0.50 hrs	1.00 hrs
slope	-497.32	-698.75
pstar	262.97 psig	370.68 psig
p1hr	175.39 psig	160.33 psig
skin	-1.36	-1.46
permeability	0.47 md	0.33 md
transmisability	9.02 md-ft/cp	6.42 md-ft/cp
radius of investigation	2.46 ft	2.93 ft
Damage-Ratio	0.077 percent	0.046 percent
Drawdown Factor		-41.477 percent
Drawdown P*		-40.959 percent

Page 1

WESTERN TESTING CO., INC. Page 1

Pressure Data

Date 12-6-94 Test Ticket No. 20633

Recorder No 1051 Capacity 4250 Location

Unit No. Elevation 1929 GL Well Temperature 122 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2241	PSI	Open Tool	90 M	
B	First Initial Flow Pressure	107	PSI	First Flow Pressure	30 Min	Min
C	First Final Flow Pressure	107	PSI	Initial Closed-in Pressure	60 Min	Min
D	Initial Closed-in Pressure	193	PSI	Second Flow Pressure	60 Min	Min
E	Second Initial Flow Pressure	107	PSI	Final Closed-in Pressure	120 Min	Min
F	Second Final Flow Pressure	107	PSI			
G	Final Closed-in Pressure	247	PSI			
H	Final Hydrostatic Mud	2187	PSI			

PRESSURE BREAKDOWN

First Flow Pressure — Breakdown: loc of 5 min and a final inc of 0 Min.

Point	Minutes	Pressure
P 1	0	107
P 2	5	107
P 3	10	107
P 4	15	107
P 5	20	107
P 6	25	107
P 7	30	107
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14	65	
P15	70	
P16	75	
P17	80	
P18	85	
P19	90	
P20	95	
	100	

Initial Shut-In — Breakdown: loc of 3 min and a final inc of 0 Min.

Point	Minutes	Pressure
P 1	0	107
P 2	3	107
P 3	6	107
P 4	9	107
P 5	12	107
P 6	15	107
P 7	18	107
P 8	21	113
P 9	24	118
P10	27	124
P11	30	126
P12	33	129
P13	36	131
P14	39	135
P15	42	144
P16	45	150
P17	48	156
P18	51	165
P19	54	169
P20	57	174
	60	176

Second Flow Pressure — Breakdown: loc of 5 min and a final inc of 0 Min.

Point	Minutes	Pressure
P 1	0	122
P 2	5	122
P 3	10	118
P 4	15	118
P 5	20	118
P 6	25	118
P 7	30	118
P 8	35	113
P 9	40	113
P10	45	107
P11	50	107
P12	55	107
P13	60	107
P14	65	
P15	70	
P16	75	
P17	80	
P18	85	
P19	90	
P20	95	
	100	

Final Shut-In — Breakdown: loc of 3 min and a final inc of 0 Min.

Point	Minutes	Pressure
P 1	0	107
P 2	3	107
P 3	6	107
P 4	9	107
P 5	12	107
P 6	15	107
P 7	18	107
P 8	21	111
P 9	24	118
P10	27	120
P11	30	122
P12	33	124
P13	36	129
P14	39	135
P15	42	141
P16	45	146
P17	48	150
P18	51	154
P19	54	161
P20	57	165
	60	171

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 20633

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point		Pressure	
A	Initial Hydrostatic Mud		P.S.I.
B	First Initial Flow Pressure		P.S.I.
C	First Final Flow Pressure		P.S.I.
D	Initial Closed-in Pressure		P.S.I.
E	Second Initial Flow Pressure		P.S.I.
F	Second Final Flow Pressure		P.S.I.
G	Final Closed-in Pressure		P.S.I.
H	Final Hydrostatic Mud		P.S.I.

	Time Given	Time Computed
Open Tool	M	
First Flow Pressure	Mins.	Mins.
Initial Closed-in Pressure	Mins.	Mins.
Second Flow Pressure	Mins.	Mins.
Final Closed-in Pressure	Mins.	Mins.

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: _____ Inc.

of _____ mins. and a

final inc. of _____ Min.

Initial Shut-In

Breakdown: _____ Inc.

of _____ mins. and a

final inc. of _____ Min.

Second Flow Pressure

Breakdown: _____ Inc.

of _____ mins. and a

final inc. of _____ Min.

Final Shut-In

Breakdown: _____ Inc.

of _____ mins. and a

final inc. of _____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	174
P 2 110		66		110		66	176
P 3 115		69		115		69	180
P 4 120		72		120		72	184
P 5 125		75		125		75	193
P 6 130		78		130		78	197
P 7 135		81		135		81	202
P 8 140		84		140		84	206
P 9 145		87		145		87	208
P10 150		90		150		90	212
P11 155		93		155		93	217
P12 160		96		160		96	221
P13 165		99		165		99	225
P14 170		102		170		102	230
P15 175		105		175		105	234
P16 180		108		180		108	238
P17 185		111		185		111	243
P18 190		114		190		114	245
P19 195		117		195		117	247
P20 200		120		200		120	249

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 20634

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1929 GL Formation Viola-Chert Eff. Pay ____ Ft.

District Pratt Date 12-7-94 Customer Order No. ____

COMPANY NAME Woolsey Petroleum

ADDRESS 107 North Market Suite 600 Wichita, Kansas 67202-1807

LEASE AND WELL NO. Gillespie #1 COUNTY Barber STATE Kansas Sec. 13 Twp. 34 S Rge. 13 W

Mail Invoice To Same (Co. Name) 13 305 14 W (Address) No. Copies Requested 7

Mail Charts To Same (Address) No. Copies Requested 7

Formation Test No. 5 Interval Tested From 4640 ft. to 4690 ft. Total Depth 4690 ft.

Packer Depth 4635 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 4640 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4677 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 4680 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Duke Drilling Rig #1 Drill Collar Length -0- I. D. — in.

Mud Type Chem Viscosity 60 Weight Pipe Length -0- I. D. — in.

Weight 9.0 Water Loss 8.0 cc. Drill Pipe Length 4622 I. D. 3.8 in.

Chlorides 12,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 41 Anchor Length 50 ft. Size 5 1/2 OD in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Weak 2 inch steady blow on initial flow
4 inch steady blow on final flow period

Recovered ____ ft. of ____

Recovered 90 ft. of oil spotted mud

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Chlorides ____ P.P.M. Sample Jars used ____ Remarks: ____

Time On Location 7:30 A.M. P.M. Time Pick Up Tool 8:15 A.M. P.M. Time Off Location 5:30 A.M. P.M.

Time Set Packer(s) 9:40 A.M. P.M. Time Started Off Bottom 3:10 A.M. P.M. Maximum Temperature 122 °F

Initial Hydrostatic Pressure		(A) 2241 P.S.I.		
Initial Flow Period	Minutes 30	(B) 86 P.S.I.	to (C) 86	P.S.I.
Initial Closed In Period	Minutes 60	(D) 86 P.S.I.		
Final Flow Period	Minutes 60	(E) 86 P.S.I.	to (F) 86	P.S.I.
Final Closed In Period	Minutes 180	(G) 139 P.S.I.		
Final Hydrostatic Pressure		(H) 2187 P.S.I.		

COMPANY TERMS

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All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Michael K. Maune
Signature of Customer or his authorized representative

Western Representative Rod Tritt Thank you

FIELD INVOICE

Open Hole Test	$ ✓
Misrun	$
Straddle Test	$
Jars	$ ✓
Selective Zone	$
Safety Joint	$ ✓
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$ 10
Insurance	$
Telecopier	$ ✓
TOTAL	$ ✓

7051 USTMS

Ticket #20634

7

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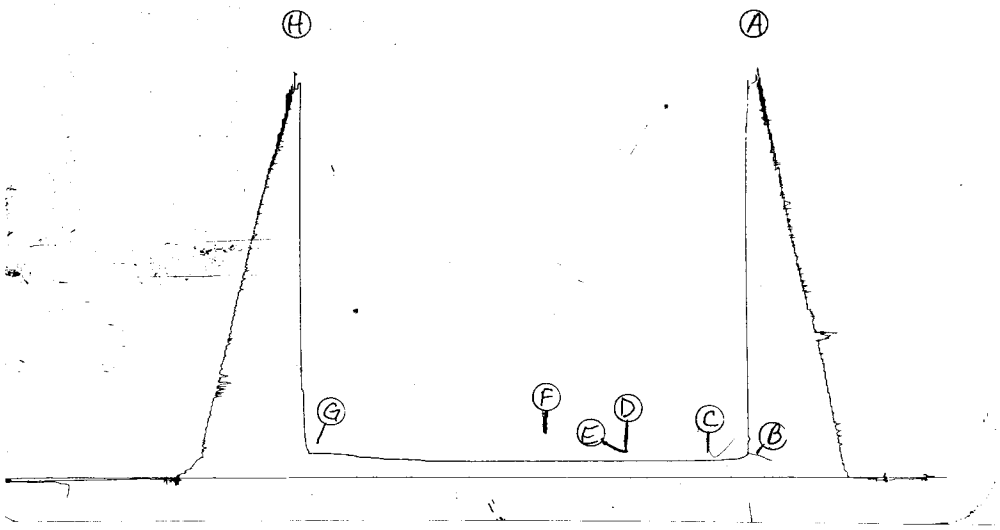
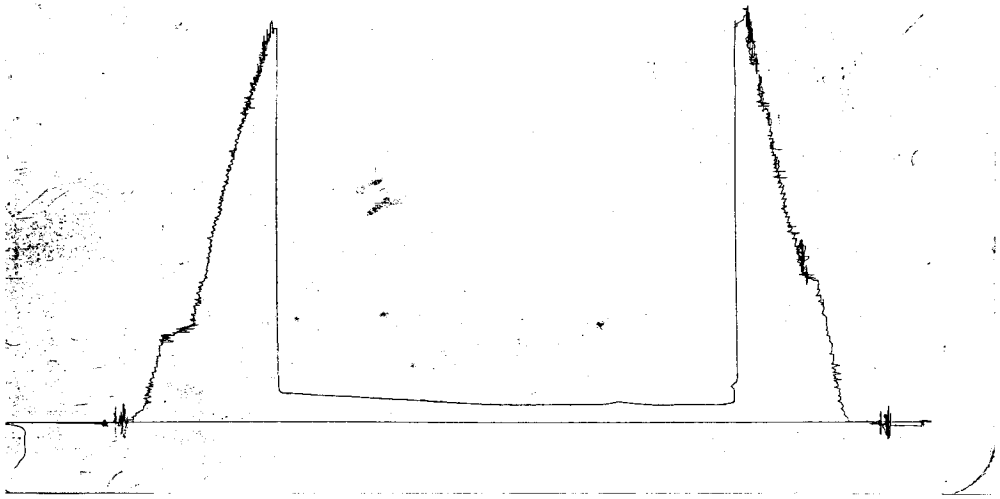


4332 DST #5

Ticket #20634

O



FORMATION TEST REPORT

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY WOOLSEY PETROLEUM CORPORATION LEASE & WELL NO. #1 GILLESPIE SEC. 13 TWP. 30S RGE. 14W TEST NO. 5 DATE 12/7/94

DST REPORT

GENERAL INFORMATION

DATE	: 12/7/94	TICKET	: 20634
CUSTOMER	: WOOLSEY PETROLEUM CORP.	LEASE	: GILLESPIE
WELL	: #1 TEST: 5	GEOLOGIST	: MAUNE
ELEVATION	: 1929GL	FORMATION	: VIOLA CHESTER
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4640.00 ft TO: 4690.00 ft TVD: 4690.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4677.0 ft 4680.0 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 :	4622.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	50.0 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:	4635.0 ft	SIZE:	6.625 in
PACKER DEPTH:	4640.0 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 DRILLING RIG #1		
MUD TYPE	: CHEMICAL	VISCOSITY :	60.00 cp
WEIGHT	: 9.000 ppg	WATER LOSS:	8.000 cc
CHLORIDES	: 10000 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW: WEAK 2 INCH STEADY BLOW.
FINAL FLOW: 4 INCH STEADY BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
90.0	1.0	0.0	0.0	99.0	OIL SPOTTED MUD

RATE INFORMATION

OIL VOLUME:	0.0126 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	90.0000 min.
MUD VOLUME:	1.2497 STB	AVERAGE OIL RATE:	20.1980 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	1.2624 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2241.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	86.00
INITIAL SHUT-IN	60.00		86.00
FINAL FLOW	60.00	86.00	86.00
FINAL SHUT-IN	180.00		139.00

FINAL HYDROSTATIC PRESSURE: 2187.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2252.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	103.00	98.00
INITIAL SHUT-IN	60.00		96.00
FINAL FLOW	60.00	96.00	96.00
FINAL SHUT-IN	180.00		133.00

FINAL HYDROSTATIC PRESSURE: 2198.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 12/7/94	TICKET	: 20634
CUSTOMER	: WOOLSEY PETROLEUM CORP.	LEASE	: GILLESPIE
WELL	: #1 TEST: 5	GEOLOGIST	: MAUNE
ELEVATION	: 1929GL	FORMATION	: VIOLA CHESTER
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	103.00	103.00
5.00	103.00	0.00
10.00	103.00	0.00
15.00	103.00	0.00
20.00	98.00	-5.00
25.00	98.00	0.00
30.00	98.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	98.00	98.00	11.00
6.00	98.00	0.00	6.00
9.00	98.00	0.00	4.33
12.00	98.00	0.00	3.50
15.00	98.00	0.00	3.00
18.00	98.00	0.00	2.67
21.00	98.00	0.00	2.43
24.00	98.00	0.00	2.25
27.00	96.00	-2.00	2.11
30.00	96.00	0.00	2.00
33.00	96.00	0.00	1.91
36.00	96.00	0.00	1.83
39.00	96.00	0.00	1.77
42.00	96.00	0.00	1.71
45.00	96.00	0.00	1.67
48.00	96.00	0.00	1.63
51.00	96.00	0.00	1.59
54.00	96.00	0.00	1.56
57.00	96.00	0.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	96.00	0.00	1.50

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	96.00	96.00
5.00	96.00	0.00
10.00	96.00	0.00
15.00	96.00	0.00
20.00	96.00	0.00
25.00	96.00	0.00
30.00	96.00	0.00
35.00	96.00	0.00
40.00	96.00	0.00
45.00	96.00	0.00
50.00	96.00	0.00
55.00	96.00	0.00
60.00	96.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	96.00	96.00	21.00
6.00	96.00	0.00	11.00
9.00	96.00	0.00	7.67
12.00	96.00	0.00	6.00
15.00	96.00	0.00	5.00
18.00	96.00	0.00	4.33
21.00	96.00	0.00	3.86
24.00	96.00	0.00	3.50
27.00	96.00	0.00	3.22
30.00	96.00	0.00	3.00
33.00	96.00	0.00	2.82
36.00	96.00	0.00	2.67
39.00	96.00	0.00	2.54
42.00	96.00	0.00	2.43
45.00	96.00	0.00	2.33
48.00	96.00	0.00	2.25

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
51.00	96.00	0.00	2.18
54.00	96.00	0.00	2.11
57.00	96.00	0.00	2.05
60.00	96.00	0.00	2.00
63.00	96.00	0.00	1.95
66.00	96.00	0.00	1.91
69.00	96.00	0.00	1.87
72.00	96.00	0.00	1.83
75.00	96.00	0.00	1.80
78.00	96.00	0.00	1.77
81.00	96.00	0.00	1.74
84.00	96.00	0.00	1.71
87.00	96.00	0.00	1.69
90.00	96.00	0.00	1.67
93.00	96.00	0.00	1.65
96.00	96.00	0.00	1.63
99.00	96.00	0.00	1.61
102.00	96.00	0.00	1.59
105.00	96.00	0.00	1.57
108.00	96.00	0.00	1.56
111.00	96.00	0.00	1.54
114.00	96.00	0.00	1.53
117.00	96.00	0.00	1.51
120.00	96.00	0.00	1.50
123.00	105.00	9.00	1.49
126.00	107.00	2.00	1.48
129.00	109.00	2.00	1.47
132.00	111.00	2.00	1.45
135.00	113.00	2.00	1.44
138.00	116.00	3.00	1.43
141.00	118.00	2.00	1.43
144.00	120.00	2.00	1.42
147.00	122.00	2.00	1.41
150.00	124.00	2.00	1.40
153.00	129.00	5.00	1.39
156.00	133.00	4.00	1.38
159.00	133.00	0.00	1.38
162.00	133.00	0.00	1.37
165.00	133.00	0.00	1.36
168.00	133.00	0.00	1.36
171.00	133.00	0.00	1.35
174.00	133.00	0.00	1.34
177.00	133.00	0.00	1.34
180.00	133.00	0.00	1.33

page 1

WESTERN TESTING CO., INC. Page 1

Pressure Data

Date 12-7-94 Test Ticket No. 20634

Order No 1051 Capacity 4250 Location Ft.

Unit No. Elevation 1929 GL Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	30 Min.	Min.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	60 Min.	Min.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	60 Min.	Min.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	180 Min.	Min.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: ____ Inc.		Breakdown: ____ Inc.		Breakdown: ____ Inc.		Breakdown: ____ Inc.	
of 5 mins and a		of 3 mins and a		of 5 mins and a		of 3 mins and a	
final inc of 0 Min.		final inc of 0 Min.		final inc of 0 Min.		final inc of 0 Min.	
Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	103	0	98	0	96	0	96
P 2 5	103	3	98	5	96	3	96
P 3 10	103	6	98	10	96	6	96
P 4 15	103	9	98	15	96	9	96
P 5 20	98	12	98	20	96	12	96
P 6 25	98	15	98	25	96	15	96
P 7 30	98	18	98	30	96	18	96
P 8 35		21	98	35	96	21	96
P 9 40		24	98	40	96	24	96
P10 45		27	96	45	96	27	96
P11 50		30	96	50	96	30	96
P12 55		33	96	55	96	33	96
P13 60		36	96	60	96	36	96
P14 65		39	96	65		39	96
P15 70		42	96	70		42	96
P16 75		45	96	75		45	96
P17 80		48	96	80		48	96
P18 85		51	96	85		51	96
P19 90		54	96	90		54	96
P20 95		57	96	95		57	96
100		60	96	100		60	96

WESTERN TESTING CO., INC.

Pressure Data

Page 2

Date 12-7-94 Test Ticket No. 20634

Recorder No. 1051 Capacity 4250 Location _____ Ft.

Clock No. _____ Elevation 1929 GL Well Temperature 122 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud		P.S.I.	Open Tool	M	
B First Initial Flow Pressure		P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure		P.S.I.	Initial Closed-in Pressure	60 Mins.	Mins
D Initial Closed-in Pressure		P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure		P.S.I.	Final Closed-in Pressure	60 Mins.	Mins.
F Second Final Flow Pressure		P.S.I.			
G Final Closed-in Pressure		P.S.I.			
H Final Hydrostatic Mud		P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: ____ Inc. of 5 mins. and a final inc. of 0 Min.		Breakdown: ____ Inc. of 3 mins. and a final inc. of 0 Min.		Breakdown: ____ Inc. of 5 mins. and a final inc. of 0 Min.		Breakdown: ____ Inc. of 3 HP mins. and a final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes 2 Nd	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0		~~60~~	HR	0		120	~~86~~
P 2 5		~~63~~	96	5		123	105
P 3 10		6	96	10		6	107
P 4 15		9	96	15		9	109
P 5 20		12	96	20		12	111
P 6 25		15	96	25		15	113
P 7 30		18	96	30		18	116
P 8 35		21	96	35		21	118
P 9 40		24	96	40		24	120
P10 45		27	96	45		27	122
P11 50		30	96	50		30	124
P12 55		33	96	55		33	129
P13 60		36	96	60		36	133
P14 65		39	96	65		39	133
P15 70		42	96	70		42	133
P16 75		45	96	75		45	133
P17 80		48	96	80		48	133
P18 85		51	96	85		51	133
P19 90		54	96	90		54	133
P20 95		57	96	95		57	133
100		120	96	100		60	133

WESTERN TESTING CO., INC.
FORMATION TESTING TICKET № 20635

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1929 GL Formation Simpson Sd Eff. Pay ___ Ft.

District Pratt Date 12-8-94 Customer Order No. ___

COMPANY NAME Woolsey Petroleum

ADDRESS 107 North Market Wichita, Kansas 67202-1807

LEASE AND WELL NO. Gillespie COUNTY Barber STATE Kansas Sec. 13 Twp. 4S Rge. 13W

Mail Invoice To Same (Co. Name) 13-30S-14W (Address) No. Copies Requested 7

Mail Charts To Same (Address) No. Copies Requested 7

Formation Test No. 6 Interval Tested From 4686 ft. to 4705 ft. Total Depth 4705 ft.

Packer Depth 4681 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 4686 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4697 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 4700 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Duke Drilling Rig #1 Drill Collar Length -0- I. D. — in.

Mud Type Chem Viscosity 60 Weight Pipe Length -0- I. D. — in.

Weight 9.0 Water Loss 8.0 cc. Drill Pipe Length 4658 I. D. 3.8 in.

Chlorides 10,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 411 Anchor Length 19 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong blow in 5 minutes on initial flow
Strong blow - gas to surface 10 minutes on final flow See flow chart

Recovered ___ ft. of ___

Recovered 170 ft. of Heavy gas cut oil 40% gas - 60% oil

Recovered ___ ft. of ___

Recovered 5 ft. of Water 52,000 P.P.M

Recovered ___ ft. of ___

Chlorides ___ P.P.M. Sample Jars used ___ Remarks: ___

Time On Location 12:30 A.M. P.M. Time Pick Up Tool 2:00 A.M. P.M. Time Off Location ___ A.M. P.M.

Time Set Packer(s) 4:00 A.M. P.M. Time Started Off Bottom 8:15 A.M. P.M. Maximum Temperature 123 °F

Initial Hydrostatic Pressure		(A) 2241 P.S.I.		
Initial Flow Period	Minutes 30	(B) 86 P.S.I.	to (C) 86	P.S.I.
Initial Closed In Period	Minutes 60	(D) 963 P.S.I.		
Final Flow Period	Minutes 45	(E) 107 P.S.I.	to (F) 107	P.S.I.
Final Closed In Period	Minutes 180	(G) 1101 P.S.I.		
Final Hydrostatic Pressure		(H) 2187 P.S.I.		

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Michael K. Maune
Signature of Customer or his authorized representative

Western Representative Rod Tritt - Thank You

FIELD INVOICE

Open Hole Test	✓
Misrun	$
Straddle Test	$
Jars	✓ NC
Selective Zone	$
Safety Joint	✓ NC
Standby	$
Evaluation	$ NC
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$ 10
Insurance	$
Recorder	✓
TOTAL	✓

Phone 316 262-5861

P. O. Box 1599
WICHITA, KANSAS 67201

№ 1108

GAS FLOW REPORT

Date 12-9-94 Ticket 20635 Company Woolsey Petroleum

Well Name and No. Gillespie #1 Dst No. 6 Interval Tested 4686-4705

County Barber State Kansas Sec. 13 Twp. 46s Rg. 13w

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					
SECOND FLOW					
	Inches of Water				
10	—	1/4			Gas to surface
15	2 inches				2,370 CFPD
20	2				2,370
25	2				2,370
30	2				2,370
35	2				2,370
40	2				2,370
45	2				2,370

GAS BOTTLE

Serial No. 2FL080 Date Bottle Filled 12-9-94 Date to be Invoiced

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Michael K. Maune

Authorized by

FORM WTC 6

1031 NO1 + 6

Ticket # 20635

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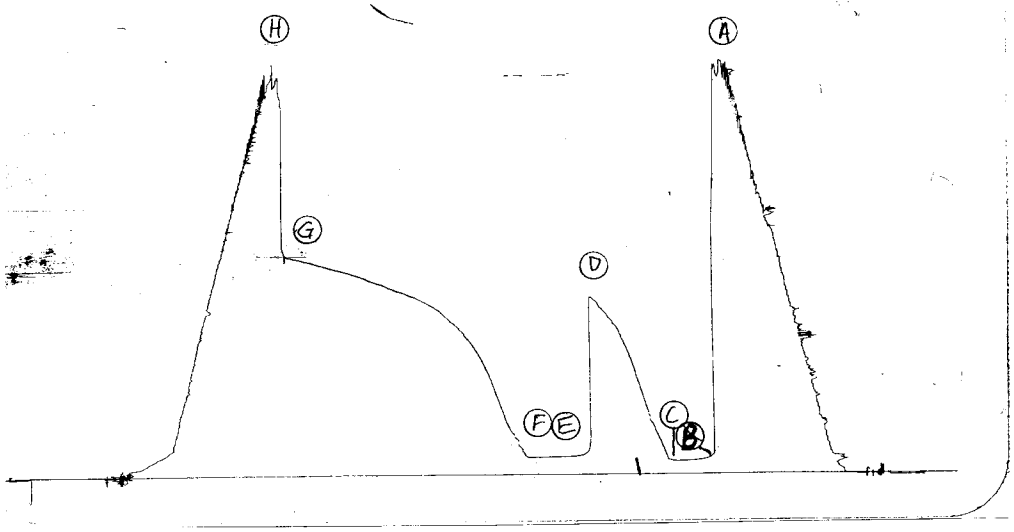
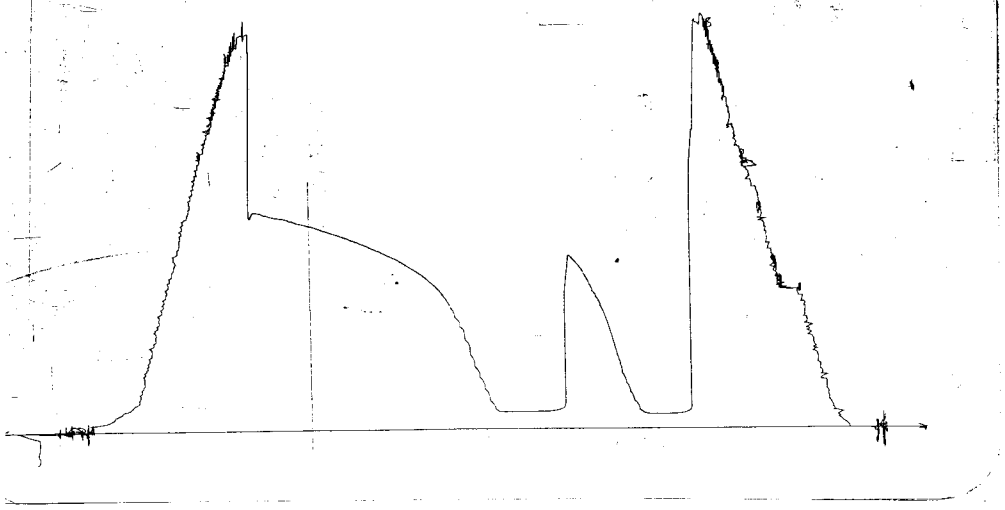


4332 DST #6

Ticket # 20635



FORMATION TEST REPORT

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY WOOLSEY PETROLEUM CORPORATION LEASE & WELL NO. #1 GILLESPIE SEC. 13 TWP. 30S RGE. 14W TEST NO. 6 DATE 12/8/94

DST REPORT

GENERAL INFORMATION

DATE	: 12/8/94	TICKET	: 20635
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 6	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: SIMPSON SAND
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4686.00 ft TO: 4705.00 ft TVD: 4705.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4697.0 ft 4700.0 ft
TEMPERATURE: 123.0

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 :	4658.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	19.0 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:	4681.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4686.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON.	: DUKE DRLG RIG 1		
MUD TYPE	: CHEMICAL	VISCOSITY :	60.00 cp
WEIGHT	: 9.000 ppg	WATER LOSS:	8.000 cc
CHLORIDES	: 10000 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW IN 5 MINUTES.
FINAL FLOW PERIOD STRONG BLOW - GAS TO SURFACE IN
10 MINUTES. SEE GAS SHEET.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
170.0	60.0	40.0	0.0	0.0	HEAVY GAS CUT OIL
5.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 52000 PPM

RATE INFORMATION

OIL VOLUME:	1.4307 STB		
GAS VOLUME:	5.3555 SCF	TOTAL FLOW TIME:	75.0000 min.
MUD VOLUME:	0.0000 STB	AVERAGE OIL RATE:	27.4692 STB/D
WATER VOLUME:	0.0701 STB	AVERAGE WATER RATE:	1.3465 STB/D
TOTAL FLUID :	1.5008 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2241.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	86.00
INITIAL SHUT-IN	60.00		963.00
FINAL FLOW	45.00	107.00	107.00
FINAL SHUT-IN	180.00		1101.00

FINAL HYDROSTATIC PRESSURE: 2187.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2241.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	90.00	75.00
INITIAL SHUT-IN	60.00		963.00
FINAL FLOW	45.00	96.00	96.00
FINAL SHUT-IN	180.00		1201.00

FINAL HYDROSTATIC PRESSURE: 2187.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE	: 12/8/94	TICKET	: 20635
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 6	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: SIMPSON SAND
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

PRE FLOW

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

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
15 MIN	MERLA	0.250	2" OF WATER	2370 SCF/D
20 MIN	MERLA	0.250	2" OF WATER	2370 SCF/D
25 MIN	MERLA	0.250	2" OF WATER	2370 SCF/D
30 MIN	MERLA	0.250	2" OF WATER	2370 SCF/D
35 MIN	MERLA	0.250	2" OF WATER	2370 SCF/D
40 MIN	MERLA	0.250	2" OF WATER	2370 SCF/D
45 MIN	MERLA	0.250	2" OF WATER	2370 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 12/8/94	TICKET	: 20635
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 6	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: SIMPSON SAND
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	90.00	90.00
5.00	81.00	-9.00
10.00	75.00	-6.00
15.00	75.00	0.00
20.00	75.00	0.00
25.00	75.00	0.00
30.00	75.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	79.00	79.00	11.00
6.00	107.00	28.00	6.00
9.00	163.00	56.00	4.33
12.00	215.00	52.00	3.50
15.00	268.00	53.00	3.00
18.00	322.00	54.00	2.67
21.00	370.00	48.00	2.43
24.00	456.00	86.00	2.25
27.00	525.00	69.00	2.11
30.00	591.00	66.00	2.00
33.00	635.00	44.00	1.91
36.00	701.00	66.00	1.83
39.00	744.00	43.00	1.77
42.00	799.00	55.00	1.71
45.00	829.00	30.00	1.67
48.00	857.00	28.00	1.63
51.00	882.00	25.00	1.59
54.00	910.00	28.00	1.56
57.00	938.00	28.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	963.00	25.00	1.50

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	96.00	96.00
5.00	96.00	0.00
10.00	96.00	0.00
15.00	96.00	0.00
20.00	96.00	0.00
25.00	96.00	0.00
30.00	96.00	0.00
35.00	96.00	0.00
40.00	96.00	0.00
45.00	96.00	0.00

FINAL SHUT IN

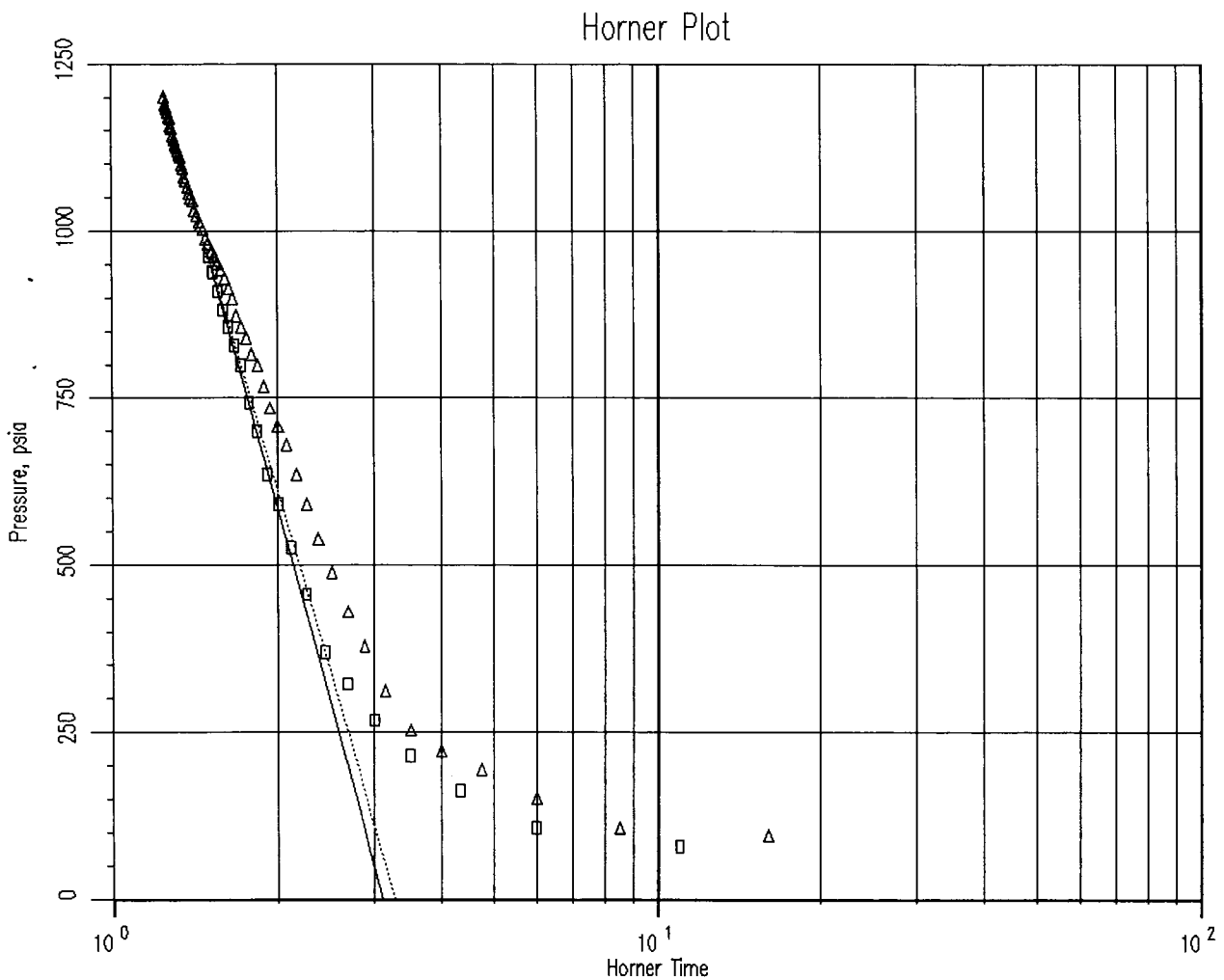
Time (min)	Pressure	Delta P	Horner T
3.00	96.00	96.00	16.00
6.00	107.00	11.00	8.50
9.00	152.00	45.00	6.00
12.00	195.00	43.00	4.75
15.00	223.00	28.00	4.00
18.00	253.00	30.00	3.50
21.00	312.00	59.00	3.14
24.00	378.00	66.00	2.88
27.00	430.00	52.00	2.67
30.00	489.00	59.00	2.50
33.00	538.00	49.00	2.36
36.00	591.00	53.00	2.25
39.00	635.00	44.00	2.15
42.00	680.00	45.00	2.07
45.00	708.00	28.00	2.00
48.00	735.00	27.00	1.94
51.00	767.00	32.00	1.88
54.00	799.00	32.00	1.83
57.00	816.00	17.00	1.79

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	840.00	24.00	1.75
63.00	857.00	17.00	1.71
66.00	874.00	17.00	1.68
69.00	899.00	25.00	1.65
72.00	914.00	15.00	1.63
75.00	929.00	15.00	1.60
78.00	942.00	13.00	1.58
81.00	952.00	10.00	1.56
84.00	963.00	11.00	1.54
87.00	970.00	7.00	1.52
90.00	982.00	12.00	1.50
93.00	989.00	7.00	1.48
96.00	1003.00	14.00	1.47
99.00	1010.00	7.00	1.45
102.00	1014.00	4.00	1.44
105.00	1025.00	11.00	1.43
108.00	1031.00	6.00	1.42
111.00	1046.00	15.00	1.41
114.00	1050.00	4.00	1.39
117.00	1058.00	8.00	1.38
120.00	1067.00	9.00	1.38
123.00	1076.00	9.00	1.37
126.00	1082.00	6.00	1.36
129.00	1095.00	13.00	1.35
132.00	1101.00	6.00	1.34
135.00	1111.00	10.00	1.33
138.00	1116.00	5.00	1.33
141.00	1121.00	5.00	1.32
144.00	1126.00	5.00	1.31
147.00	1131.00	5.00	1.31
150.00	1137.00	6.00	1.30
153.00	1143.00	6.00	1.29
156.00	1154.00	11.00	1.29
159.00	1158.00	4.00	1.28
162.00	1169.00	11.00	1.28
165.00	1171.00	2.00	1.27
168.00	1179.00	8.00	1.27
171.00	1184.00	5.00	1.26
174.00	1186.00	2.00	1.26
177.00	1190.00	4.00	1.25
180.00	1201.00	11.00	1.25

DATE	12/8/94			TICKET	20635
CUSTOMER	WOOLSEY PETROLEUM CORP			LEASE	GILLESPIE
WELL	#1	TEST	6	GEOLOGIST	MAUNE
ELEVATION	1929 GL			FORMATION	SIMPSON SAND
SECTION	13			TOWNSHIP	30S
RANGE	14W	COUNTY	BARBER	STATE	KS
GAUGE SN#	1051	RANGE	4250	CLOCK	12



Result

	#1	#2
tp, hrs	0.50	0.75
Slope	−3037.95	−2850.19
Pstar, psig	1497.54	1467.08
P1hr, psig	962.59	774.38
Skin	−2.39	−2.61
k, md	0.43	0.46
kh/u, md−ft/cp	1.55	1.65
ri, ft	8.24	10.42
DR, %	0.10	0.08
Drawdown Factor, %		−24.714
Drawdown P*, %		2.034

____ BUILD 1

..... BUILD 2

HORNER ANALYSIS REPORT

GENERAL INFORMATION

DATE	: 12/8/94	TICKET	: 20635
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 6	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: SIMPSON SAND
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

Input Data

Porosity 0.150 Rw: 0.328 ft h: 6.000 ft

qo 27.5 STB GOR 86.3 SCF/STB

Pvt Data
Evalutation Pressure : 963.0
Evalutation Temperature: 123.0

Oil Grav	38.00 API	Gas Grav	0.65 API	Pb	430.64 PSIA
Bo	1.053 RBL/STB	Vis	1.000 cp	Ct	1.3347E-005 1/PSI

Horner Results

	Inital Shut-In	Final Shut-In
pseudo pressure time	0.50 hrs	0.75 hrs
slope	-3037.95	-2850.19
pstar	1497.54 psig	1467.08 psig
p1hr	962.59 psig	774.38 psig
skin	-2.39	-2.61
permeability	0.43 md	0.46 md
transmisability	1.55 md-ft/cp	1.65 md-ft/cp
radius of investigation	8.24 ft	10.42 ft
Damage-Ratio	0.1 percent	0.083 percent
Drawdown Factor		-24.714 percent
Drawdown P*		2.034 percent

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WESTERN TESTING CO., INC. Page 1

Pressure Data

Date 12-8-94 Test Ticket No. 20635

Recorder No 1051 Capacity 4250 Location Ft.

Clock No. Elevation 1929 GL Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2241	P.S.I.	Open Tool	M
B First Initial Flow Pressure	86	P.S.I.	First Flow Pressure	30 Minutes Minutes
C First Final Flow Pressure	86	P.S.I.	Initial Closed-in Pressure	60 Minutes Minutes
D Initial Closed-in Pressure	963	P.S.I.	Second Flow Pressure	45 Minutes Minutes
E Second Initial Flow Pressure	107	P.S.I.	Final Closed-in Pressure	180 Minutes Minutes
F Second Final Flow Pressure	107	P.S.I.		
G Final Closed-in Pressure	1101	P.S.I.		
H Final Hydrostatic Mud	2187	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: ____ Inc.		Breakdown: ____ Inc.		Breakdown: ____ Inc.		Breakdown: ____ Inc.	
of 5 minutes and a		of 3 minutes and a		of 5 minutes and a		of 3 minutes and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	90	0	75	0	96	0	76
P 2 5	81	3	79	5	96	3	107
P 3 10	75	6	107	10	96	6	152
P 4 15	75	9	163	15	96	9	195
P 5 20	75	12	215	20	96	12	223
P 6 25	75	15	268	25	96	15	253
P 7 30	75	18	322	30	96	18	312
P 8 35		21	370	35	96	21	378
P 9 40		24	456	40	96	24	430
P10 45		27	525	45	96	27	487
P11 50		30	591	50		30	538
P12 55		33	635	55		33	591
P13 60		36	701	60		36	635
P14 65		39	744	65		39	680
P15 70		42	799	70		42	708
P16 75		45	829	75		45	735
P17 80		48	857	80		48	767
P18 85		51	882	85		51	799
P19 90		54	910	90		54	816
P20 95		57	938	95		57	840
100		60	963	100		60	857

MAGE 2

WESTERN TESTING CO., INC.

Pressure Data

Date 12-8-94 Test Ticket No. 20635

Recorder No. _____ Capacity _____ Location _____ F

Clock No. _____ Elevation _____ Well Temperature _____ °

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.		Open Tool	M	
B First Initial Flow Pressure	P.S.I.		First Flow Pressure	Mins.	Mins
C First Final Flow Pressure	P.S.I.		Initial Closed-in Pressure	Mins.	Mins
D Initial Closed-in Pressure	P.S.I.		Second Flow Pressure	Mins.	Mins
E Second Initial Flow Pressure	P.S.I.		Final Closed-in Pressure	Mins.	Mins
F Second Final Flow Pressure	P.S.I.				
G Final Closed-in Pressure	P.S.I.				
H Final Hydrostatic Mud	P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure		Final ~~Initial~~ Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63	874	105		123	1082
P 2 110		66	899	110		126	1095
P 3 115		69	914	115		129	1101
P 4 120		72	929	120		132	1111
P 5 125		75	942	125		135	1116
P 6 130		78	952	130		138	1124
P 7 135		81	963	135		141	1126
P 8 140		84	970	140		144	1131
P 9 145		87	982	145		147	1139
P10 150		90	989	150		150	1143
P11 155		93	1003	155		153	1154
P12 160		96	1010	160		156	1158
P13 165		99	1014	165		159	1169
P14 170		102	1025	170		162	1171
P15 175		105	1031	175		165	1179
P16 180		108	1046	180		168	1184
P17 185		111	1050	185		171	1186
P18 190		114	1058	190		174	1190
P19 195		117	1067	195		177	1196
P20 200		120	1076	200		180	1201

WTC - 4

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET № 20636

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1929 Gl Formation Simpson Eff. Pay ____ Ft.

District PRATT Date 12-8-94 Customer Order No. ____

COMPANY NAME Woolsey Petroleum Corp

ADDRESS 107 North Market Wichita Kansas 67202-1807

LEASE AND WELL NO. Gillespie #1 COUNTY Barber STATE Kans Sec. 13 Twp. 34 Rge. ~~13W~~ 13-30S-14W

Mail Invoice To Same No. Copies Requested 7
Co. Name Address

Mail Charts To Same No. Copies Requested 7
Address

Formation Test No. 7 Interval Tested From 4624 ft. to 4710 ft. Total Depth 4710 ft.

Packer Depth 4619 ~~4624~~ ft. Size 6 5/8 in. Packer Depth 2 ft. Size 2 in.

Packer Depth 4624 ~~4629~~ ft. Size 6 5/8 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4702 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 4705 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Duke Drilling Co Drill Collar Length —0— I. D. — in.

Mud Type Chem Viscosity 52 Weight Pipe Length —0— I. D. — in.

Weight 8.9 Water Loss 8.8 cc. Drill Pipe Length 4656 I. D. 3.8 in.

Chlorides 9,800 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 411 Anchor Length 26 ft. Size 5 1/2 OD in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong blow on initial flow period
Strong blow on final - gas to surface - See flow chart -

Recovered ____ ft. of ____

Recovered 160 ft. of Very Heavy gas cut oil 40% gas - 60% oil

Recovered ____ ft. of ____

Recovered 15 ft. of Water 62,000 P.P.M

Recovered ____ ft. of ____

Chlorides ____ P.P.M. Sample Jars used ____ Remarks: ____

Time On Location 6:45 A.M. (P.M.) Time Pick Up Tool 8:00 A.M. (P.M.) Time Off Location 5:30 (A.M.) P.M.

Time Set Packer(s) 9:20 A.M. (P.M.) Time Started Off Bottom 2:35 (A.M.) P.M. Maximum Temperature 123°F

Initial Hydrostatic Pressure ..... (A) 2134 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 86 P.S.I. to (C) 86 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1016 P.S.I.

Final Flow Period ..... Minutes 45 (E) 107 P.S.I. to (F) 107 P.S.I.

Final Closed In Period ..... Minutes 180 (G) 1228 P.S.I.

Final Hydrostatic Pressure ..... (H) 2241 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Michael K. Maune
Signature of Customer or his authorized representative

Western Representative Rod Irith - Thank you

FIELD INVOICE

Open Hole Test	✓
Misrun	$
Straddle Test	$
Jars	✓ MC
Selective Zone	$
Safety Joint	✓ MC
Standby	$
Evaluation	$ MC
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$ 10 —
Insurance	$
Tax Reader	$ ✓
TOTAL	$ ✓

Phone 316 262-5861

P. O. Box 1599
WICHITA, KANSAS 67201

№ 1109

GAS FLOW REPORT

Date 12-8-94 Ticket 20836 Company Woolsey Petroleum

Well Name and No. Gillespie #1 Dst No. 7 Interval Tested 4684-4710

County Barber State Kansas Sec. 13 Twp. 46 S Rg. 13 W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					
SECOND FLOW					
1	Inches of Water —	1/8 inch			Gas To surface
10	16 inches				2,160 CFPD
20	18 "				2,240
30	18 "				2,240
40	18 "				2,240
45	18 "				2,240

No Sample taken

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 12-8-94 Test Ticket No. 20636

Recorder No. 1051 Capacity 4250 Location _____ Ft.

Clock No. _____ Elevation 1929 GL Well Temperature 123 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2134 P.S.I.		Open Tool	M	
B	First Initial Flow Pressure	86 P.S.I.		First Flow Pressure	30 Mins.	Mins.
C	First Final Flow Pressure	86 P.S.I.		Initial Closed-in Pressure	60 Mins.	Mins.
D	Initial Closed-in Pressure	1016 P.S.I.		Second Flow Pressure	45 Mins.	Mins.
E	Second Initial Flow Pressure	107 P.S.I.		Final Closed-in Pressure	90 Mins.	Mins.
F	Second Final Flow Pressure	107 P.S.I.				
G	Final Closed-in Pressure	1228 P.S.I.				
H	Final Hydrostatic Mud	2241 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc. of 5 mins. and a final inc. of 0 Min.		Breakdown: _____ Inc. of 3 mins. and a final inc. of 0 Min.		Breakdown: _____ Inc. of 5 mins. and a final inc. of 0 Min.		Breakdown: _____ Inc. of 3 mins. and a final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	81	0	81	0	118	0	96
P 2 5	81	3	84	5	96	3	109
P 3 10	81	6	96	10	96	6	144
P 4 15	81	9	118	15	96	9	176
P 5 20	81	12	178	20	96	12	230
P 6 25	81	15	247	25	96	15	277
P 7 30	81	18	322	30	96	18	327
P 8 35		21	383	35	96	21	376
P 9 40		24	474	40	96	24	435
P10 45		27	544	45	96	27	471
P11 50		30	612	50		30	516
P12 55		33	682	55		33	559
P13 60		36	733	60		36	608
P14 65		39	819	65		39	665
P15 70		42	844	70		42	693
P16 75		45	863	75		45	727
P17 80		48	899	80		48	761
P18 85		51	934	85		51	799
P19 90		54	963	90		54	825
P20 95		57	989	95		57	842
100		60	992	100		60	863

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WESTERN TESTING CO., INC.

Pressure Data

Date. _____ Test Ticket No. 20636

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B	First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C	First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D	Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E	Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F	Second Final Flow Pressure	P.S.I.			
G	Final Closed-in Pressure	P.S.I.			
H	Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: ____ Inc. of ____ mins. and a final inc. of ____ Min.		Breakdown: ____ Inc. of ____ mins. and a final inc. of ____ Min.		Breakdown: ____ Inc. of ____ mins. and a final inc. of ____ Min.		Breakdown: ____ Inc. of ____ mins. and a final inc. of ____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63	886	105		63	1116
P 2 110		66	904	110		66	1122
P 3 115		69	921	115		69	1131
P 4 120		72	934	120		72	1137
P 5 125		75	952	125		75	1143
P 6 130		78	965	130		78	1149
P 7 135		81	980	135		81	1154
P 8 140		84	995	140		84	1160
P 9 145		87	1010	145		87	1169
P10 150		90	1016	150		90	1173
P11 155		93	1029	155		93	1179
P12 160		96	1036	160		96	1186
P13 165		99	1048	165		99	1190
P14 170		102	1058	170		102	1194
P15 175		105	1069	175		105	1196
P16 180		108	1073	180		108	1201
P17 185		111	1082	185		111	1207
P18 190		114	1092	190		114	1209
P19 195		117	1105	195		117	1213
P20 200		120	1111	200		120	1215

WTC - 4

1051 DST# 1

Ticket # 20636

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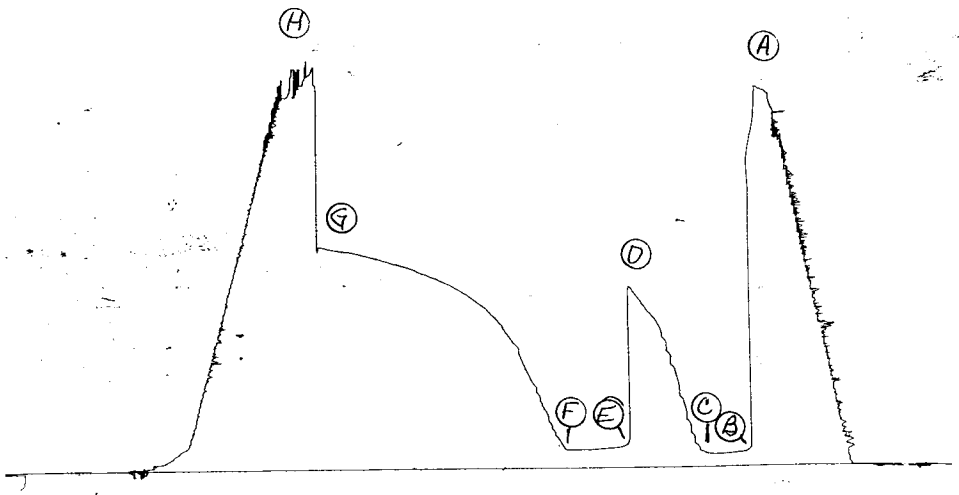

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Ticket # 20636

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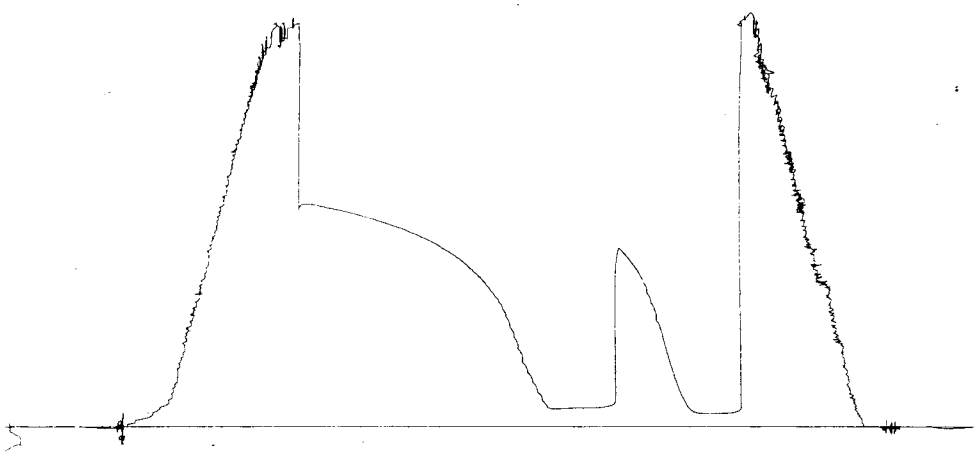


FORMATION TEST REPORT

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY WOOLSEY PETROLEUM CORPORATION LEASE & WELL NO. #1 GILLESPIE SEC. 13 TWP. 30S RGE. 14W TEST NO. 7 DATE 12/8/94

DST REPORT

GENERAL INFORMATION

DATE	: 12/8/94	TICKET	: 20636
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 7	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: SIMPSON
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4684.00 ft TO: 4710.00 ft TVD: 4710.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4702.0 ft 4705.0 ft
TEMPERATURE: 123.0

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 :	4656.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	26.0 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:	4679.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4684.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON.	: DUKE DRLG RIG 1		
MUD TYPE	: CHEMICAL	VISCOSITY :	52.00 cp
WEIGHT	: 8.900 ppg	WATER LOSS:	8.800 cc
CHLORIDES	: 9800 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW.
FINAL FLOW PERIOD STRONG BLOW. GAS TO SURFACE
FINAL FLOW PERIOD. SEE GAS SHEET.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
160.0	60.0	40.0	0.0	0.0	VERY HEAVY GAS CUT OIL
15.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 67000 PPM

RATE INFORMATION

OIL VOLUME:	1.3465 STB		
GAS VOLUME:	5.0405 SCF	TOTAL FLOW TIME:	75.0000 min.
MUD VOLUME:	0.0000 STB	AVERAGE OIL RATE:	25.8534 STB/D
WATER VOLUME:	0.2104 STB	AVERAGE WATER RATE:	4.0396 STB/D
TOTAL FLUID :	1.5569 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2134.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	86.00
INITIAL SHUT-IN	60.00		1016.00
FINAL FLOW	45.00	107.00	107.00
FINAL SHUT-IN	180.00		1228.00

FINAL HYDROSTATIC PRESSURE: 2241.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2134.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	81.00	81.00
INITIAL SHUT-IN	60.00		992.00
FINAL FLOW	45.00	118.00	96.00
FINAL SHUT-IN	180.00		1215.00

FINAL HYDROSTATIC PRESSURE: 2241.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE	: 12/8/94	TICKET	: 20636
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 7	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: SIMPSON
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

PRE FLOW

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

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	0.125	16" OF WATER	2110 SCF/D
20 MIN	MERLA	0.125	18" OF WATER	2240 SCF/D
30 MIN	MERLA	0.125	18" OF WATER	2240 SCF/D
40 MIN	MERLA	0.125	18" OF WATER	2240 SCF/D
45 MIN	MERLA	0.125	18" OF WATER	2240 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 12/8/94	TICKET	: 20636
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 7	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: SIMPSON
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	81.00	81.00
5.00	81.00	0.00
10.00	81.00	0.00
15.00	81.00	0.00
20.00	81.00	0.00
25.00	81.00	0.00
30.00	81.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	84.00	84.00	11.00
6.00	96.00	12.00	6.00
9.00	118.00	22.00	4.33
12.00	178.00	60.00	3.50
15.00	247.00	69.00	3.00
18.00	322.00	75.00	2.67
21.00	383.00	61.00	2.43
24.00	474.00	91.00	2.25
27.00	544.00	70.00	2.11
30.00	612.00	68.00	2.00
33.00	680.00	68.00	1.91
36.00	728.00	48.00	1.83
39.00	817.00	89.00	1.77
42.00	843.00	26.00	1.71
45.00	863.00	20.00	1.67
48.00	899.00	36.00	1.63
51.00	934.00	35.00	1.59
54.00	963.00	29.00	1.56
57.00	989.00	26.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	992.00	3.00	1.50

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	118.00	118.00
5.00	96.00	-22.00
10.00	96.00	0.00
15.00	96.00	0.00
20.00	96.00	0.00
25.00	96.00	0.00
30.00	96.00	0.00
35.00	96.00	0.00
40.00	96.00	0.00
45.00	96.00	0.00

FINAL SHUT IN

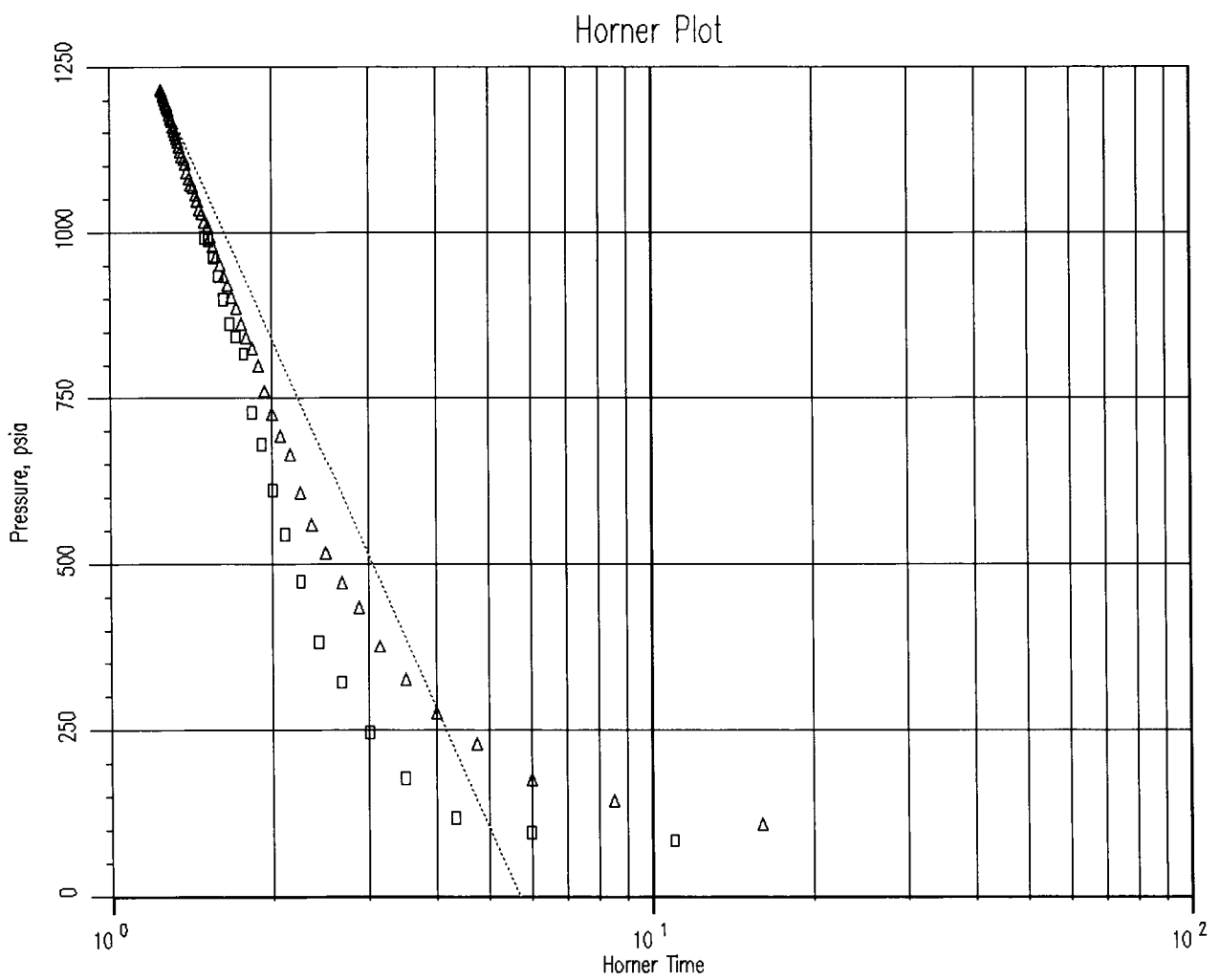
Time (min)	Pressure	Delta P	Horner T
3.00	109.00	109.00	16.00
6.00	144.00	35.00	8.50
9.00	176.00	32.00	6.00
12.00	230.00	54.00	4.75
15.00	277.00	47.00	4.00
18.00	327.00	50.00	3.50
21.00	376.00	49.00	3.14
24.00	435.00	59.00	2.88
27.00	471.00	36.00	2.67
30.00	516.00	45.00	2.50
33.00	559.00	43.00	2.36
36.00	608.00	49.00	2.25
39.00	665.00	57.00	2.15
42.00	693.00	28.00	2.07
45.00	727.00	34.00	2.00
48.00	761.00	34.00	1.94
51.00	799.00	38.00	1.88
54.00	825.00	26.00	1.83
57.00	842.00	17.00	1.79

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	863.00	21.00	1.75
63.00	886.00	23.00	1.71
66.00	904.00	18.00	1.68
69.00	921.00	17.00	1.65
72.00	934.00	13.00	1.63
75.00	952.00	18.00	1.60
78.00	965.00	13.00	1.58
81.00	980.00	15.00	1.56
84.00	995.00	15.00	1.54
87.00	1010.00	15.00	1.52
90.00	1016.00	6.00	1.50
93.00	1029.00	13.00	1.48
96.00	1036.00	7.00	1.47
99.00	1048.00	12.00	1.45
102.00	1058.00	10.00	1.44
105.00	1069.00	11.00	1.43
108.00	1073.00	4.00	1.42
111.00	1082.00	9.00	1.41
114.00	1092.00	10.00	1.39
117.00	1105.00	13.00	1.38
120.00	1111.00	6.00	1.38
123.00	1116.00	5.00	1.37
126.00	1122.00	6.00	1.36
129.00	1131.00	9.00	1.35
132.00	1137.00	6.00	1.34
135.00	1143.00	6.00	1.33
138.00	1149.00	6.00	1.33
141.00	1154.00	5.00	1.32
144.00	1160.00	6.00	1.31
147.00	1169.00	9.00	1.31
150.00	1173.00	4.00	1.30
153.00	1179.00	6.00	1.29
156.00	1186.00	7.00	1.29
159.00	1190.00	4.00	1.28
162.00	1194.00	4.00	1.28
165.00	1196.00	2.00	1.27
168.00	1201.00	5.00	1.27
171.00	1207.00	6.00	1.26
174.00	1209.00	2.00	1.26
177.00	1213.00	4.00	1.25
180.00	1215.00	2.00	1.25

DATE	12/8/94			TICKET	20636
CUSTOMER	WOOLSEY PETROLEUM CORP			LEASE	GILLESPIE
WELL	#1	TEST	7	GEOLOGIST	MAUNE
ELEVATION	1929 GL			FORMATION	SIMPSON
SECTION	13			TOWNSHIP	30S
RANGE	14W	COUNTY	BARBER	STATE	KS
GAUGE SN#	1051	RANGE	4250	CLOCK	12



Result

	#1	#2
tp, hrs		0.75
Slope		−1846.82
Pstar, psig		1394.13
P1hr, psig		945.28
Skin		−1.81
k, md		0.18
kh/u, md−ft/cp		2.40
ri, ft		6.04
DR, %		0.19
Drawdown Factor, %		−22.480

—— BUILD 1

..... BUILD 2

HORNER ANALYSIS REPORT

GENERAL INFORMATION

DATE	: 12/8/94	TICKET	: 20636
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GILLESPIE
WELL	: #1 TEST: 7	GEOLOGIST	: MAUNE
ELEVATION	: 1929 GL	FORMATION	: SIMPSON
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

Input Data

Porosity 0.180 Rw: 0.328 ft h: 22.000 ft

qo 25.9 STB GOR 86.6 SCF/STB

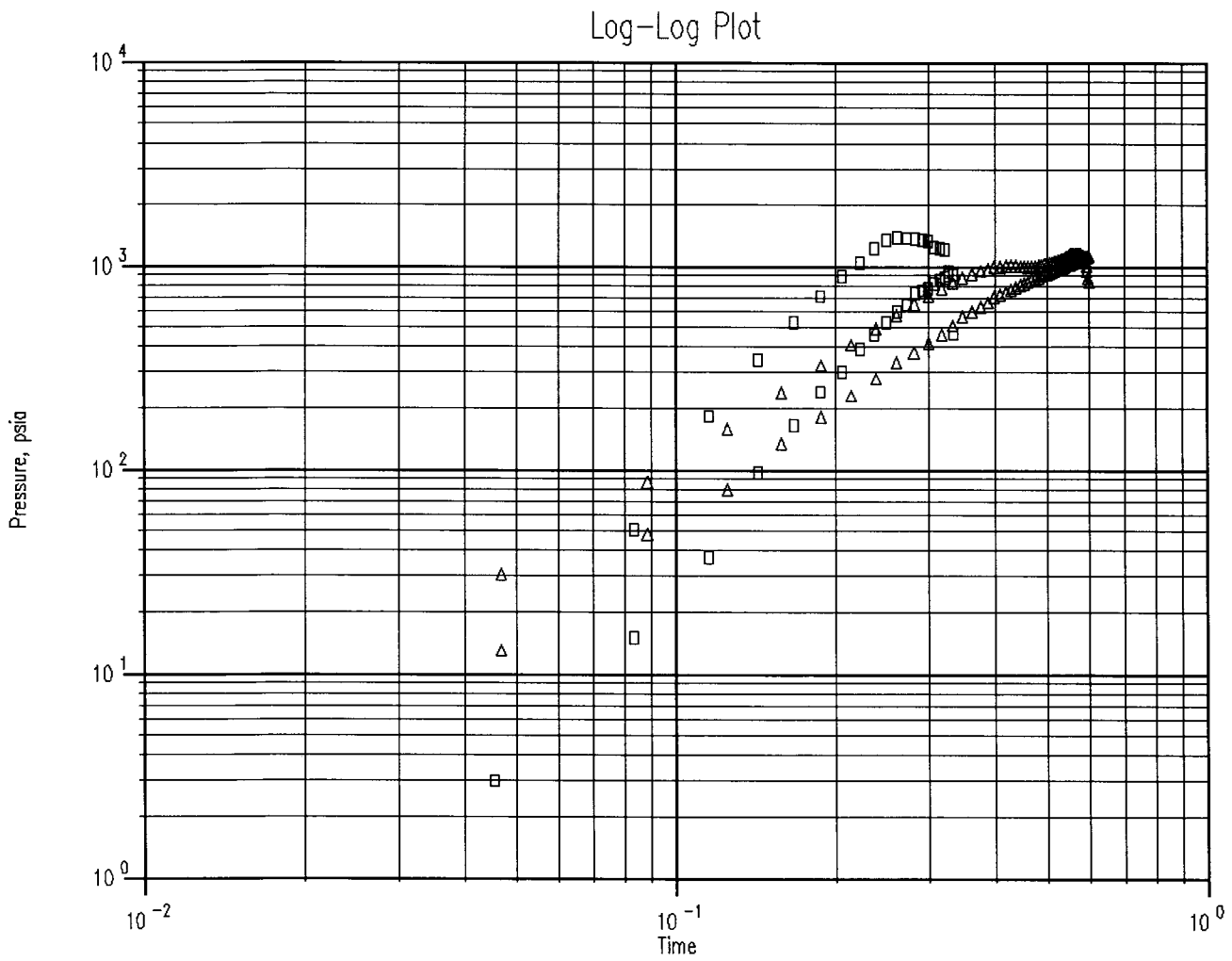
Pvt Data
Evalutation Pressure : 992.0
Evalutation Temperature: 123.0

Oil Grav	38.00 API	Gas Grav	0.65 API	Pb	432.24 PSIA
Bo	1.053 RBL/STB	Vis	1.000 cp	Ct	1.3114E-005 1/PSI

Horner Results

	Inital Shut-In	Final Shut-In
pseudo pressure time		0.75 hrs
slope		-1846.82
pstar		1394.13 psig
p1hr		945.28 psig
skin		-1.81
permeability		0.18 md
transmisability		2.40 md-ft/cp
radius of investigation		6.04 ft
Damage-Ratio		0.19 percent
Drawdown Factor		-22.480 percent

DATE	12/8/94			TICKET	20636
CUSTOMER	WOOLSEY PETROLEUM CORP			LEASE	GILLESPIE
WELL	#1	TEST	7	GEOLOGIST	MAUNE
ELEVATION	1929 GL			FORMATION	SIMPSON
SECTION	13			TOWNSHIP	30S
RANGE	14W	COUNTY	BARBER	STATE	KS
GAUGE SN#	1051	RANGE	4250	CLOCK	12



WESTERN TESTING CO., INC.
FORMATION TESTING TICKET № 20637

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1929 GL Formation Simpson Sd Eff. Pay ____ Ft.

District Pratt Date 12-9-94 Customer Order No. ____

COMPANY NAME Woolsey Petroleum

ADDRESS 107 North Market S-600 Wichita Kansas 67202-1807

LEASE AND WELL NO. Gillespie COUNTY Barbee STATE Kansas Sec. 13 Twp. 46 Rge. 13W

Mail Invoice To Same (Co. Name) Address ____ No. Copies Requested 7

Mail Charts To Same Address ____ No. Copies Requested 7

Formation Test No. 8 Interval Tested From 4710 ft. to 4720 ft. Total Depth 4720 ft.

Packer Depth 4705 ft. Size 6 5/8 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 4710 ft. Size 6 5/8 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4714 ft. Recorder Number 1037 Cap. 4250

Bottom Recorder Depth (Outside) 4717 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Duke Drilling Rig #1 Drill Collar Length 0 I. D. — in.

Mud Type Chem Viscosity 48 Weight Pipe Length 0 I. D. — in.

Weight 9.0 Water Loss 9.6 cc. Drill Pipe Length 4682 I. D. 3.8 in.

Chlorides 7,100 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 411 Anchor Length 10 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong blow on both the initial + final flows
No gas to surface

Recovered 720 ft. of gas in pipe

Recovered ____ ft. of ____

Recovered 40 ft. of Heavy gas + mud cut oil 10% gas - 40% oil 50% mud

Recovered 90 ft. of Oil cut water - 10% oil 78,000 P.P.M

Recovered 20 ft. of Watery mud 30% water - 70% mud

Chlorides ____ P.P.M. Sample Jars used ____ Remarks: ____

Time On Location 2:30 A.M. P.M. Time Pick Up Tool 4:00 A.M. P.M. Time Off Location ____ A.M. P.M.

Time Set Packer(s) 5:25 A.M. P.M. Time Started Off Bottom 10:40 A.M. P.M. Maximum Temperature 123 °F

Initial Hydrostatic Pressure ..... (A) 2273 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 53 P.S.I. to (C) 53 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1154 P.S.I.

Final Flow Period ..... Minutes 45 (E) 107 P.S.I. to (F) 107 P.S.I.

Final Closed In Period ..... Minutes 180 (G) 1154 P.S.I.

Final Hydrostatic Pressure ..... (H) 2241 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Michael K. Maune
Signature of Customer or his authorized representative

Western Representative Rod Irick - Thank you

FIELD INVOICE

Open Hole Test	$ ✓
Misrun	$
Straddle Test	$
Jars	✓ N/C
Selective Zone	$
Safety Joint	✓ N/C
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$ 10
Insurance	$
Telecopier	$ ✓
TOTAL	$ ✓

WESTERN TESTING CO., INC.
Pressure Data

Date 12-9-94 Test Ticket No. 20637

Recorder No. 1051 Capacity 4250 Location 4710-4720 Ft.

Clock No. Elevation 1929 GL Well Temperature 123 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2273	P.S.I.	Open Tool	M	
B	First Initial Flow Pressure	53	P.S.I.	First Flow Pressure	30 Mins.	Mins.
C	First Final Flow Pressure	53	P.S.I.	Initial Closed-in Pressure	60 Mins.	Mins
D	Initial Closed-in Pressure	1154	P.S.I.	Second Flow Pressure	45 Mins.	Mins
E	Second Initial Flow Pressure	107	P.S.I.	Final Closed-in Pressure	180 Mins.	Mins
F	Second Final Flow Pressure	107	P.S.I.			
G	Final Closed-in Pressure	1154	P.S.I.			
H	Final Hydrostatic Mud	2241	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: Inc. of 5 mins. and a final inc. of 0 Min.		Breakdown: Inc. of 3 mins. and a final inc. of 0 Min.		Breakdown: Inc. of 5 mins. and a final inc. of 0 Min.		Breakdown: Inc. of 3 mins. and a final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	58	0	53	0	110	0	96
P 2 5	58	3	718	5	102	3	359
P 3 10	53	6	936	10	94	6	569
P 4 15	53	9	1027	15	96	9	906
P 5 20	53	12	1061	20	96	12	974
P 6 25	53	15	1078	25	96	15	1034
P 7 30	53	18	1090	30	96	18	1066
P 8 35		21	1102	35	96	21	1080
P 9 40		24	1109	40	96	24	1092
P10 45		27	1111	45	96	27	1096
P11 50		30	1118	50		30	1102
P12 55		33	1120	55		33	1104
P13 60		36	1120	60		36	1112
P14 65		39	1120	65		39	1118 1114
P15 70		42	1126	70		42	1120
P16 75		45	1126	75		45	1120
P17 80		48	1126	80		48	1120
P18 85		51	1126	85		51	1126
P19 90		54	1126	90		54	1126
P20 95		57	1126	95		57	1130
100		60		100		60	1130

WESTERN TESTING CO., INC.
Pressure Data

Date 12-9-94 Test Ticket No. 20637

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B	First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C	First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D	Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E	Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F	Second Final Flow Pressure	P.S.I.			
G	Final Closed-in Pressure	P.S.I.			
H	Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: ____ Inc. of ____ mins. and a final inc. of ____ Min.		Breakdown: ____ Inc. of ____ mins. and a final inc. of ____ Min.		Breakdown: ____ Inc. of ____ mins. and a final inc. of ____ Min.		Breakdown: ____ Inc. of ____ mins. and a final inc. of ____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63	1133	105		123	1143
P 2 110		66	1133	110		66	1143
P 3 115		69	1137	115		69	1143
P 4 120		72	1137	120		132	1143
P 5 125		75	1139	125		75	1143
P 6 130		78	1139	130		78	1143
P 7 135		81	1139	135		141	1143
P 8 140		84	1139	140		84	1146
P 9 145		87	1139	145		87	1146
P10 150		90	1139	150		150	1146
P11 155		93	1141	155		153	1146
P12 160		96	1141	160		156	1148
P13 165		99	1141	165		159	1148
P14 170		102	1141	170		162	1148
P15 175		105	1141	175		165	1148
P16 180		108	1143	180		168	1148
P17 185		111	1143	185		171	1148
P18 190		114	1143	190		174	1148
P19 195		117	1143	195		177	1148
P20 200		120	1143	200		180	1148

WTC - 4

1037 DST #5

Ticket # 20637

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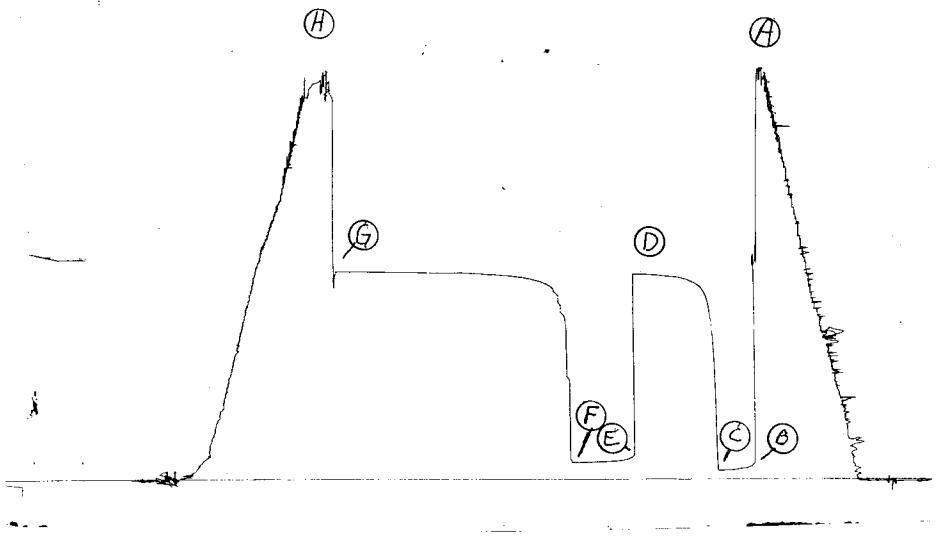

4332 DST #8

Ticket #20637

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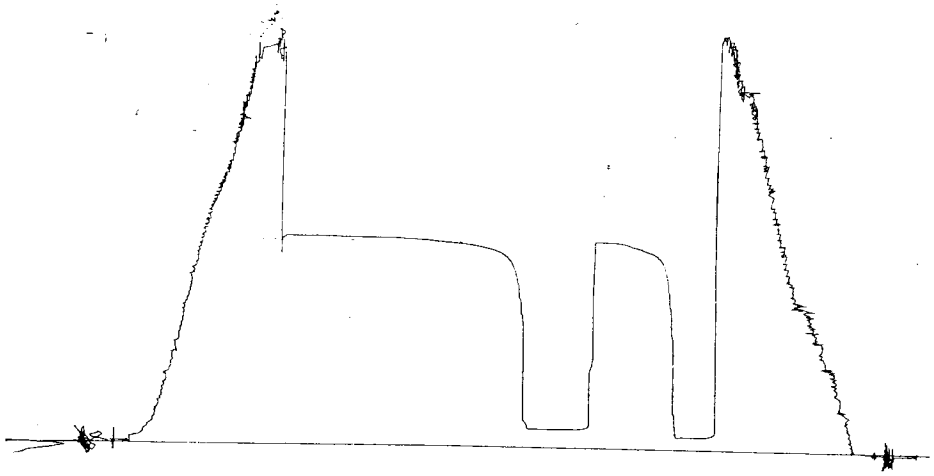
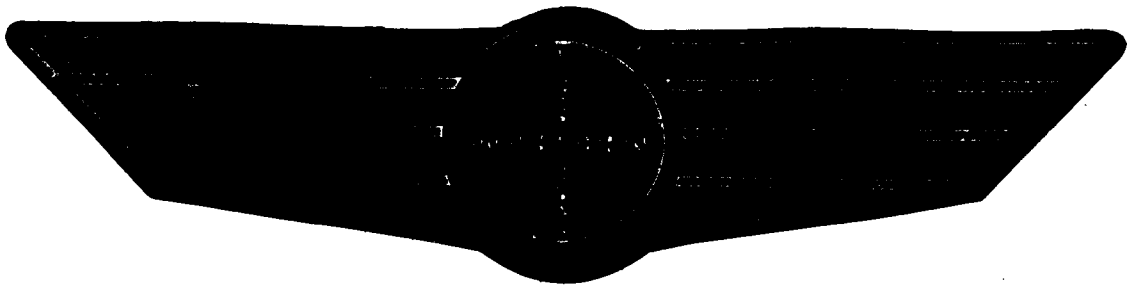


FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY WOOLSEY PETROLEUM CORPORATION LEASE & WELL NO. #1 GILLESPIE SEC. 13 TWP. 30S RGE. 14W TEST NO. 8 DATE 12/9/94

DST REPORT

GENERAL INFORMATION

DATE	: 12/9/94	TICKET	: 20637
CUSTOMER	: WOOLSEY PETROLEUM CORP.	LEASE	: GILLESPIE
WELL	: #1 TEST: 8	GEOLOGIST	: MAUNE
ELEVATION	: 1929GL	FORMATION	: SIMPSON SAND
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4710.00 ft TO: 4720.00 ft TVD: 4720.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4714.0 ft 4717.0 ft
TEMPERATURE: 123.0

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 :	4682.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	10.0 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:	4705.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4710.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON.	: DUKE DRLG RIG #10		
MUD TYPE	: CHEMICAL	VISCOSITY :	48.00 cp
WEIGHT	: 9.000 ppg	WATER LOSS:	9.600 cc
CHLORIDES	: 7100 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW: STRONG BLOW.
FINAL FLOW: STRONG BLOW.
NO GAS TO SURFACE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	720 FEET GAS ABOVE FLUID
40.0	40.0	10.0	0.0	50.0	HEAVY GAS AND MUD CUT OIL
90.0	10.0	0.0	90.0	0.0	OIL CUT WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 78,000 PPM
20.0	0.0	0.0	30.0	70.0	WATERY MUD

RATE INFORMATION

OIL VOLUME:	0.3507 STB		
GAS VOLUME:	0.3150 SCF	TOTAL FLOW TIME:	75.0000 min.
MUD VOLUME:	0.4769 STB	AVERAGE OIL RATE:	12.1188 STB/D
WATER VOLUME:	1.2203 STB	AVERAGE WATER RATE:	27.1999 STB/D
TOTAL FLUID :	2.0478 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2273.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	53.00	53.00
INITIAL SHUT-IN	60.00		1154.00
FINAL FLOW	45.00	107.00	107.00
FINAL SHUT-IN	180.00		1154.00

FINAL HYDROSTATIC PRESSURE: 2241.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2273.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	58.00	53.00
INITIAL SHUT-IN	57.00		1126.00
FINAL FLOW	45.00	110.00	96.00
FINAL SHUT-IN	180.00		1148.00

FINAL HYDROSTATIC PRESSURE: 2241.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 12/9/94	TICKET	: 20637
CUSTOMER	: WOOLSEY PETROLEUM CORP.	LEASE	: GILLESPIE
WELL	: #1 TEST: 8	GEOLOGIST	: MAUNE
ELEVATION	: 1929GL	FORMATION	: SIMPSON SAND
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	58.00	58.00
5.00	58.00	0.00
10.00	53.00	-5.00
15.00	53.00	0.00
20.00	53.00	0.00
25.00	53.00	0.00
30.00	53.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	718.00	718.00	11.00
6.00	936.00	218.00	6.00
9.00	1027.00	91.00	4.33
12.00	1061.00	34.00	3.50
15.00	1078.00	17.00	3.00
18.00	1090.00	12.00	2.67
21.00	1102.00	12.00	2.43
24.00	1109.00	7.00	2.25
27.00	1111.00	2.00	2.11
30.00	1118.00	7.00	2.00
33.00	1120.00	2.00	1.91
36.00	1120.00	0.00	1.83
39.00	1120.00	0.00	1.77
42.00	1126.00	6.00	1.71
45.00	1126.00	0.00	1.67
48.00	1126.00	0.00	1.63
51.00	1126.00	0.00	1.59
54.00	1126.00	0.00	1.56
57.00	1126.00	0.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	110.00	110.00
5.00	102.00	-8.00
10.00	96.00	-6.00
15.00	96.00	0.00
20.00	96.00	0.00
25.00	96.00	0.00
30.00	96.00	0.00
35.00	96.00	0.00
40.00	96.00	0.00
45.00	96.00	0.00

FINAL SHUT IN

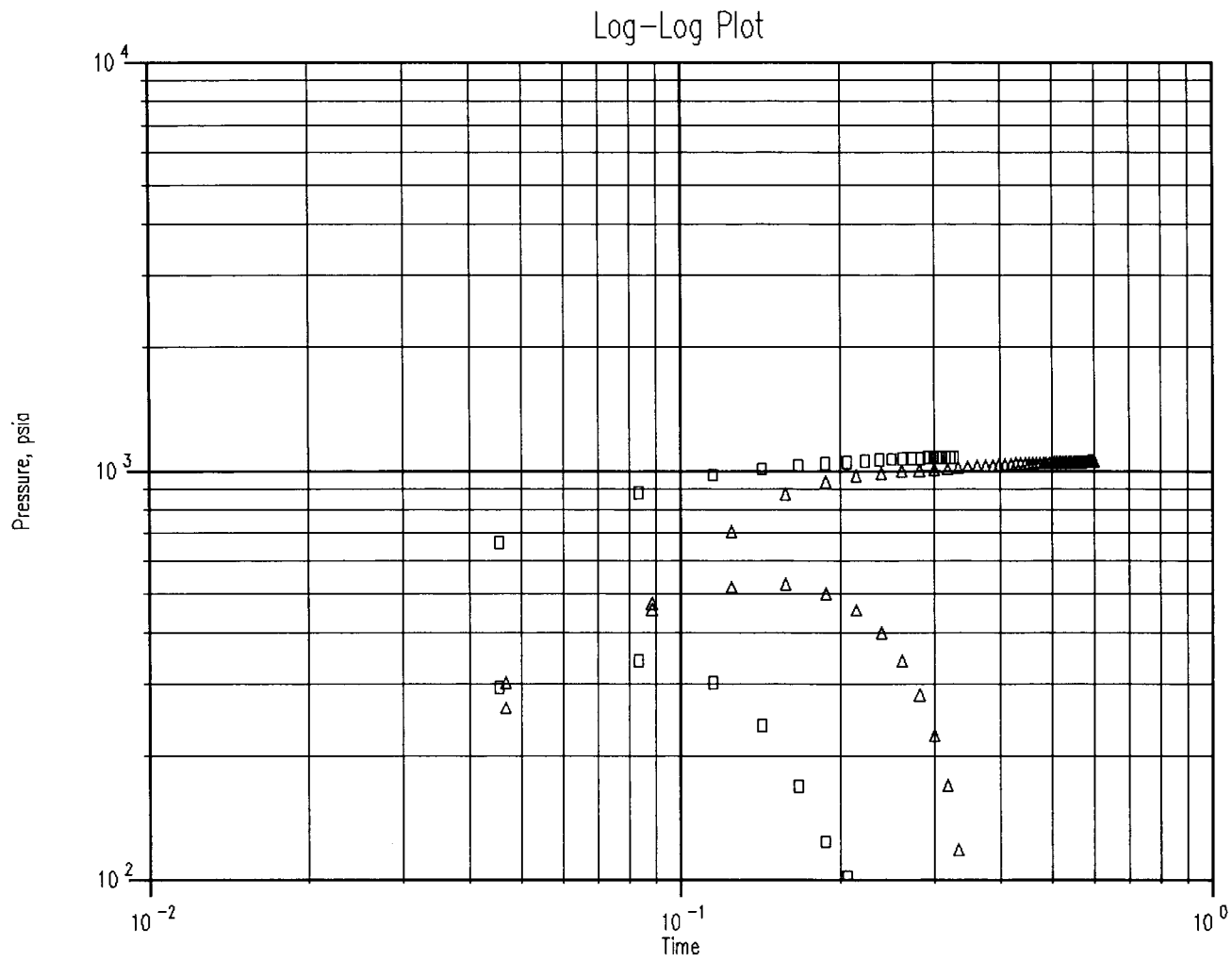
Time (min)	Pressure	Delta P	Horner T
3.00	359.00	359.00	16.00
6.00	569.00	210.00	8.50
9.00	806.00	237.00	6.00
12.00	974.00	168.00	4.75
15.00	1034.00	60.00	4.00
18.00	1066.00	32.00	3.50
21.00	1080.00	14.00	3.14
24.00	1092.00	12.00	2.88
27.00	1096.00	4.00	2.67
30.00	1102.00	6.00	2.50
33.00	1104.00	2.00	2.36
36.00	1114.00	10.00	2.25
39.00	1118.00	4.00	2.15
42.00	1120.00	2.00	2.07
45.00	1120.00	0.00	2.00
48.00	1122.00	2.00	1.94
51.00	1126.00	4.00	1.88
54.00	1126.00	0.00	1.83
57.00	1130.00	4.00	1.79
60.00	1133.00	3.00	1.75
63.00	1133.00	0.00	1.71
66.00	1133.00	0.00	1.68
69.00	1135.00	2.00	1.65
72.00	1137.00	2.00	1.63
75.00	1139.00	2.00	1.60
78.00	1139.00	0.00	1.58
81.00	1139.00	0.00	1.56
84.00	1139.00	0.00	1.54

PRESSURE TRANSIENT REPORT (CONTINUED)

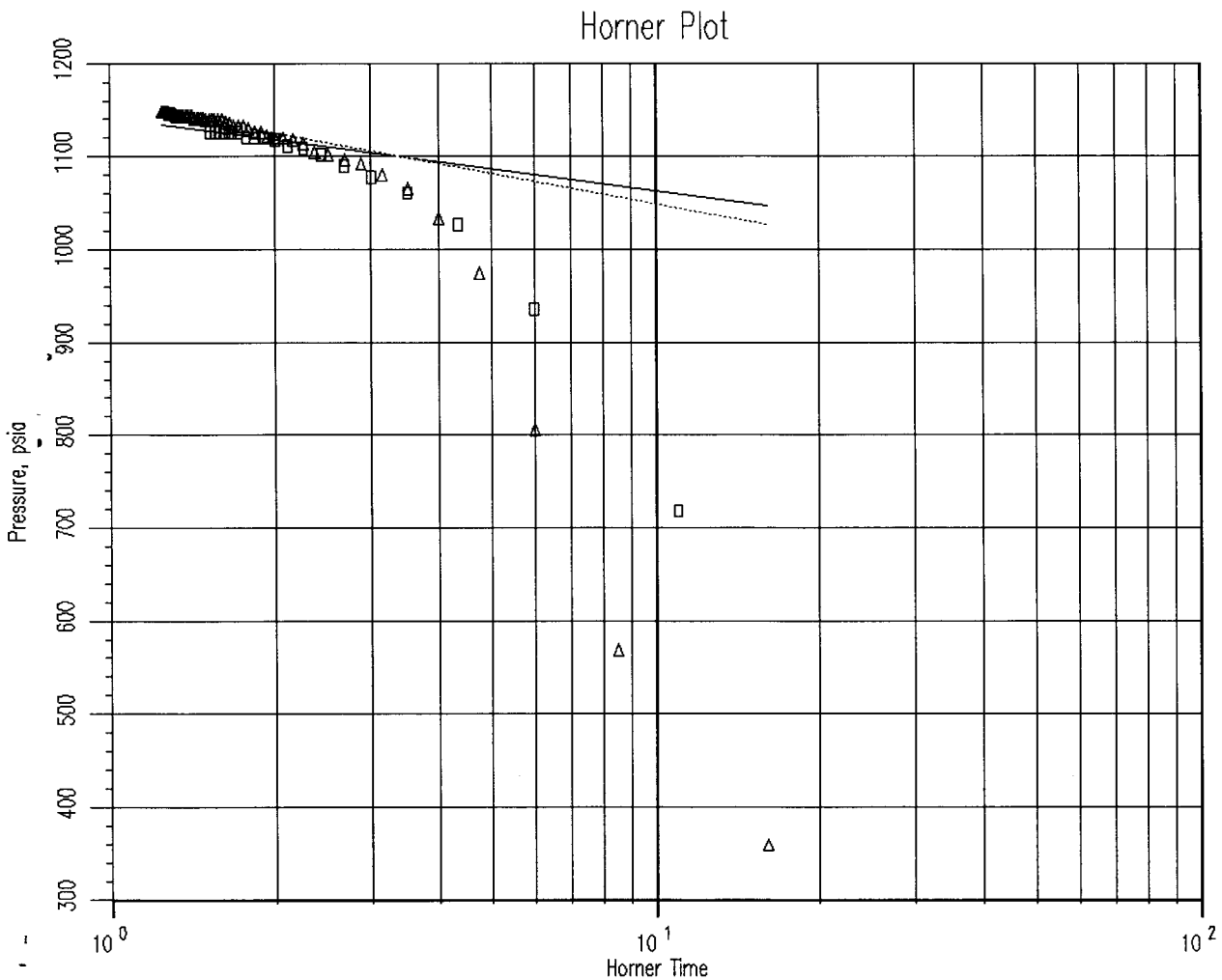
FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
87.00	1139.00	0.00	1.52
90.00	1139.00	0.00	1.50
93.00	1141.00	2.00	1.48
96.00	1141.00	0.00	1.47
99.00	1141.00	0.00	1.45
102.00	1141.00	0.00	1.44
105.00	1141.00	0.00	1.43
108.00	1143.00	2.00	1.42
111.00	1143.00	0.00	1.41
114.00	1143.00	0.00	1.39
117.00	1143.00	0.00	1.38
120.00	1143.00	0.00	1.38
123.00	1143.00	0.00	1.37
126.00	1143.00	0.00	1.36
129.00	1143.00	0.00	1.35
132.00	1143.00	0.00	1.34
135.00	1143.00	0.00	1.33
138.00	1143.00	0.00	1.33
141.00	1145.00	2.00	1.32
144.00	1146.00	1.00	1.31
147.00	1146.00	0.00	1.31
150.00	1146.00	0.00	1.30
153.00	1146.00	0.00	1.29
156.00	1146.00	0.00	1.29
159.00	1148.00	2.00	1.28
162.00	1148.00	0.00	1.28
165.00	1148.00	0.00	1.27
168.00	1148.00	0.00	1.27
171.00	1148.00	0.00	1.26
174.00	1148.00	0.00	1.26
177.00	1148.00	0.00	1.25
180.00	1148.00	0.00	1.25

DATE	12/9/94			TICKET	20637
CUSTOMER	WOOLSEY PETROLEUM CORP.			LEASE	GILLESPIE
WELL	#1	TEST	8	GEOLOGIST	MAUNE
ELEVATION	1929GL			FORMATION	SIMPSON SAND
SECTION	13			TOWNSHIP	30S
RANGE	14W	COUNTY	BARBER	STATE	KS
GAUGE SN#	1051	RANGE	4250	CLOCK	12



DATE	12/9/94			TICKET	20637
CUSTOMER	WOOLSEY PETROLEUM CORP.			LEASE	GILLESPIE
WELL	#1	TEST	8	GEOLOGIST	MAUNE
ELEVATION	1929GL			FORMATION	SIMPSON SAND
SECTION	13			TOWNSHIP	30S
RANGE	14W	COUNTY	BARBER	STATE	KS
GAUGE SN#	1051	RANGE	4250	CLOCK	12



Result

	#1	#2
tp, hrs	0.50	0.75
Slope	−78.56	−109.63
Pstar, psig	1141.75	1158.53
P1hr, psig	1127.92	1131.88
Skin	13.88	9.04
k, md	1.27	0.91
kh/u, md-ft/cp	28.25	20.25
ri, ft	3.50	3.63
DR, %	6.51	4.82
Drawdown Factor, %		−1.954
Drawdown P*, %		−1.469

____ BUILD 1

..... BUILD 2

HORNER ANALYSIS REPORT

GENERAL INFORMATION

DATE	: 12/9/94	TICKET	: 20637
CUSTOMER	: WOOLSEY PETROLEUM CORP.	LEASE	: GILLESPIE
WELL	: #1 TEST: 8	GEOLOGIST	: MAUNE
ELEVATION	: 1929GL	FORMATION	: SIMPSON SAND
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 14W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

Input Data

Porosity 0.180 Rw: 0.328 ft h: 22.000 ft

qo 12.1 STB GOR 258.7 SCF/STB

Pvt Data
Evalutation Pressure : 1126.0
Evalutation Temperature: 123.0

Oil Grav	38.00 API	Gas Grav	0.65 API	Pb	1126.00 PSIA
Bo	1.126 RBL/STB	Vis	1.000 cp	Ct	3.0767E-004 1/PSI

Horner Results

	Inital Shut-In	Final Shut-In
pseudo pressure time	0.50 hrs	0.75 hrs
slope	-78.56	-109.63
pstar	1141.75 psig	1158.53 psig
p1hr	1127.92 psig	1131.88 psig
skin	13.88	9.04
permeability	1.27 md	0.91 md
transmisability	28.25 md-ft/cp	20.25 md-ft/cp
radius of investigation	3.50 ft	3.63 ft
Damage-Ratio	6.5 percent	4.8 percent
Drawdown Factor		-1.954 percent
Drawdown P*		-1.469 percent