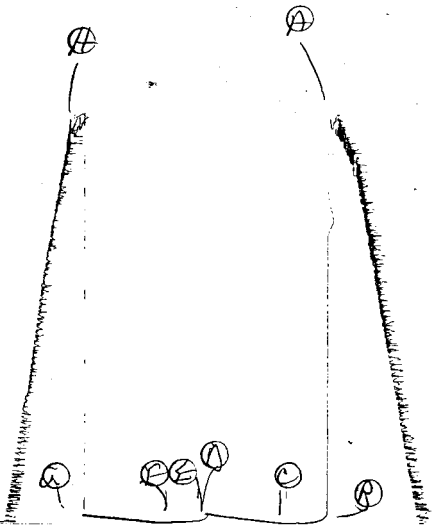


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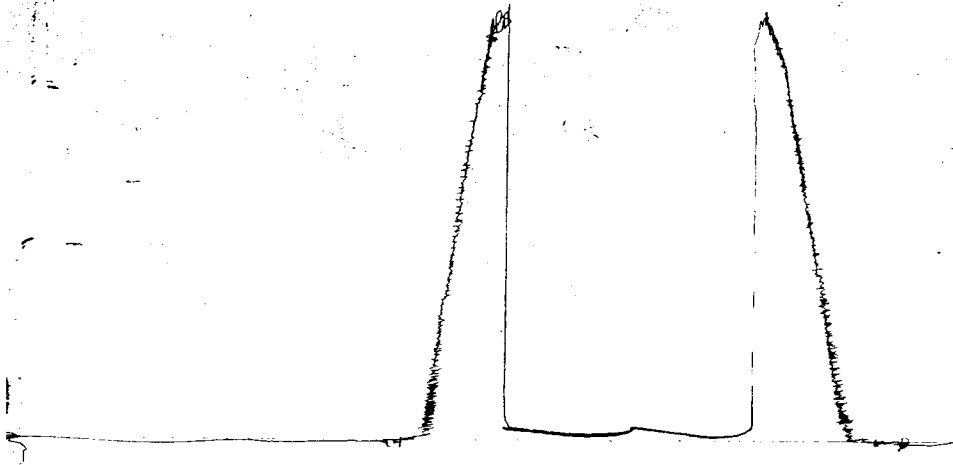
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P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No 18918

Elevation 1921 KB Formation KC Eff. Pay _____ Ft.

District PRATT Date 8 27 93 Customer Order No. _____

COMPANY NAME Woolsey Petroleum Co

ADDRESS 107 North Market Suite 600 Wichita, Kansas 67202

LEASE AND WELL NO. G. NORRIS #1 COUNTY Barber STATE Kansas Sec. 11 Twp. 30S Rge. 14W

Mail Invoice To Same Co. Name Same # 1 Address Gerald Norris No. Copies Requested 9

Mail Charts To Same Address _____ No. Copies Requested _____

Formation Test No. 1 Interval Tested From 4366 ft. to 4406 ft. Total Depth 4406 ft.

Packer Depth 4361 ft. Size 6 7/8 in. Packer Depth 2 ft. Size --- in.

Packer Depth 4366 ft. Size 6 7/8 in. Packer Depth --- ft. Size --- in.

Depth of Selective Zone Set ---

Top Recorder Depth (Inside) 4368 ft. Recorder Number 13265 Cap. 3875

Bottom Recorder Depth (Outside) 4371 ft. Recorder Number 13759 Cap. 3900

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

Drilling Contractor Duke Drilling Rig 2 Drill Collar Length 0 I. D. --- in.

Mud Type chem Viscosity 45 Weight Pipe Length 0 I. D. --- in.

Weight 9.0 Water Loss 10.4 cc. Drill Pipe Length 4338 I. D. 3.6 in.

Chlorides 0.000 P.P.M. Test Tool Length 28 ft. Tool Size 4 1/2 in.

Jars: Make WTC Serial Number 408 Anchor Length 40 ft. Size 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 1/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Very weak blow building to a pinch blow on initial flow
Weak to light 5 to 6 inch blow on final flow

Recovered 120 ft. of Gas in pipe

Recovered 15 ft. of Slightly oil spotted mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

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

Time On Location 10:30 A.M. Time Pick Up Tool 12:30 P.M. Time Off Location 7:00 P.M.

Time Set Packer(s) 2:00 P.M. Time Started Off Bottom 5:00 P.M. Maximum Temperature 117 °F

Initial Hydrostatic Pressure _____ (A) 2099 P.S.I.

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

Initial Closed In Period _____ Minutes 60 (D) 80 P.S.I.

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

Final Closed In Period _____ Minutes 60 (G) 50 P.S.I.

Final Hydrostatic Pressure _____ (H) 2099 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. Maime
Signature of Customer or his authorized representative

Western Representative Red 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 \$ 20
Insurance \$
Telecopier \$
TOTAL ☒

WESTERN TESTING CO., INC.

Pressure Data

Date 8-27-92 Test Ticket No. 18918
 Recorder No. BJL Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2109</u> P.S.I.		M
B First Initial Flow Pressure	<u>25</u> P.S.I.	Mins. <u>50</u>	Mins.
C First Final Flow Pressure	<u>25</u> P.S.I.	Mins. <u>40</u>	Mins.
D Initial Closed-in Pressure	<u>69</u> P.S.I.	Mins. <u>50</u>	Mins.
E Second Initial Flow Pressure	<u>27</u> P.S.I.	Mins. <u>40</u>	Mins.
F Second Final Flow Pressure	<u>27</u> P.S.I.		
G Final Closed-in Pressure	<u>55</u> P.S.I.		
H Final Hydrostatic Mud	<u>2078</u> 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 <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>25</u>	0	<u>25</u>	0	<u>27</u>	0	<u>27</u>
P 2 5		3	<u>26</u>	5		3	<u>27</u>
P 3 10		6	<u>27</u>	10		6	<u>28</u>
P 4 15		9	<u>28</u>	15		9	<u>28</u>
P 5 20		12	<u>29</u>	20		12	<u>29</u>
P 6 25		15	<u>30</u>	25		15	<u>29</u>
P 7 30	<u>25</u>	18	<u>31</u>	30	<u>27</u>	18	<u>30</u>
P 8 35		21	<u>32</u>	35		21	<u>31</u>
P 9 40		24	<u>33</u>	40		24	<u>32</u>
P10 45		27	<u>34</u>	45		27	<u>33</u>
P11 50		30	<u>35</u>	50		30	<u>34</u>
P12 55		33	<u>36</u>	55		33	<u>35</u>
P13 60		36	<u>37</u>	60		36	<u>36</u>
P14 65		39	<u>38</u>	65		39	<u>37</u>
P15 70		42	<u>39</u>	70		42	<u>38</u>
P16 75		45	<u>40</u>	75		45	<u>39</u>
P17 80		48	<u>41</u>	80		48	<u>40</u>
P18 85		51	<u>42</u>	85		51	<u>41</u>
P19 90		54	<u>43</u>	90		54	<u>42</u>
P20 95		57	<u>44</u>	95		57	<u>43</u>
100		60	<u>45</u>	100		60	<u>44</u>

DST REPORT

GENERAL INFORMATION

DATE	: 8/27/93	TICKET	: 18918
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GERALD NORRIS
WELL	: #1	TEST:	: 1
ELEVATION	: 1921 KB	GEOLOGIST	: MAUNE
SECTION	: 11	FORMATION	: KANSAS CITY
RANGE	: 14W	TOWNSHIP	: 30S
GAUGE SN#	: 13265	STATE	: KS
		CLOCK	: 12
	COUNTY: BARBER		
	RANGE : 3975		

WELL INFORMATION

PERFORATION INTERVAL FROM:	4366.00 ft	TO:	4406.00 ft	TVD:	4406.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4368.0 ft		4371.0 ft		
TEMPERATURE:	117.0				
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 :	4338.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	40.0 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:	4361.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4366.0 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 DRILLING RIG 2	VISCOSITY :	45.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.400 cc
WEIGHT :	9.000 ppg		
CHLORIDES :	9000 ppm	SERIAL NUMBER:	408
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK BLOW - BUILDING TO
A 4 INCH BLOW. FINAL FLOW PERIOD WEAK TO LIGHT
BLOW - 5 TO 6 INCH BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	120 FT GAS ABOVE FLUID
15.0	1.0	0.0	0.0	99.0	SLIGHTLY OIL SPOTTED MUD

RATE INFORMATION

OIL VOLUME:	0.0021	STB		
GAS VOLUME:	0.0000	SCF	TOTAL FLOW TIME:	60.0000 min.
MUD VOLUME:	0.2083	STB	AVERAGE OIL RATE:	5.0495 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: 2099.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	30.00	30.00
INITIAL SHUT-IN	60.00		80.00
FINAL FLOW	30.00	30.00	30.00
FINAL SHUT-IN	60.00		50.00

FINAL HYDROSTATIC PRESSURE: 2099.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2109.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	25.00	25.00
INITIAL SHUT-IN	60.00		69.00
FINAL FLOW	30.00	27.00	27.00
FINAL SHUT-IN	60.00		55.00

FINAL HYDROSTATIC PRESSURE: 2078.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8/27/93	TICKET : 18918
CUSTOMER : WOOLSEY PETROLEUM CORP	LEASE : GERALD NORRIS
WELL : #1	GEOLOGIST: MAUNE
ELEVATION: 1921 KB	FORMATION: KANSAS CITY
SECTION : 11	TOWNSHIP : 30S
RANGE : 14W	STATE : KS
GAUGE SN#: 13265	CLOCK : 12
COUNTY: BARBER	
RANGE : 3975	

INITIAL FLOW

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

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	26.00	26.00	0.00
6.00	27.00	1.00	0.00
9.00	28.00	1.00	0.00
12.00	29.00	1.00	0.00
15.00	31.00	2.00	0.00
18.00	33.00	2.00	0.00
21.00	35.00	2.00	0.00
24.00	37.00	2.00	0.00
27.00	39.00	2.00	0.00
30.00	41.00	2.00	0.00
33.00	43.00	2.00	0.00
36.00	45.00	2.00	0.00
39.00	47.00	2.00	0.00
42.00	50.00	3.00	0.00
45.00	53.00	3.00	0.00
48.00	56.00	3.00	0.00
51.00	59.00	3.00	0.00
54.00	62.00	3.00	0.00
57.00	65.00	3.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	69.00	4.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	27.00	27.00
5.00	27.00	0.00
10.00	27.00	0.00
15.00	27.00	0.00
20.00	27.00	0.00
25.00	27.00	0.00
30.00	27.00	0.00

FINAL SHUT IN

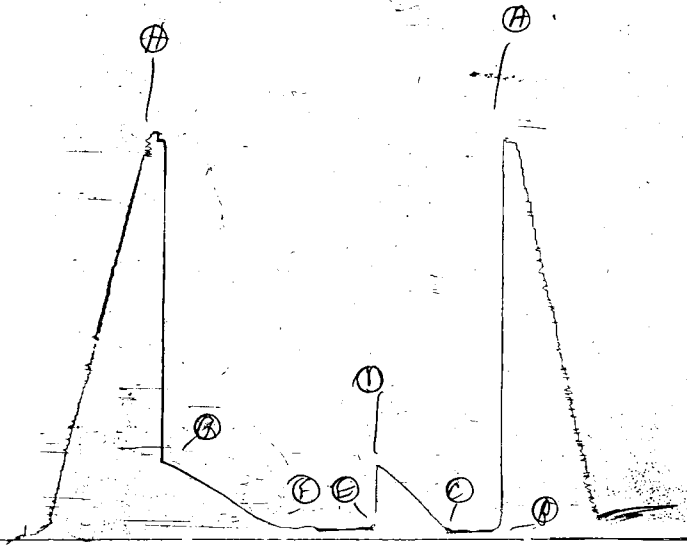
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	27.00	27.00	0.00
6.00	28.00	1.00	0.00
9.00	28.00	0.00	0.00
12.00	29.00	1.00	0.00
15.00	29.00	0.00	0.00
18.00	31.00	2.00	0.00
21.00	33.00	2.00	0.00
24.00	35.00	2.00	0.00
27.00	37.00	2.00	0.00
30.00	39.00	2.00	0.00
33.00	41.00	2.00	0.00
36.00	43.00	2.00	0.00
39.00	45.00	2.00	0.00
42.00	47.00	2.00	0.00
45.00	49.00	2.00	0.00
48.00	51.00	2.00	0.00
51.00	52.00	1.00	0.00
54.00	53.00	1.00	0.00
57.00	54.00	1.00	0.00
60.00	55.00	1.00	0.00

REC 3659 DSI 2 000100

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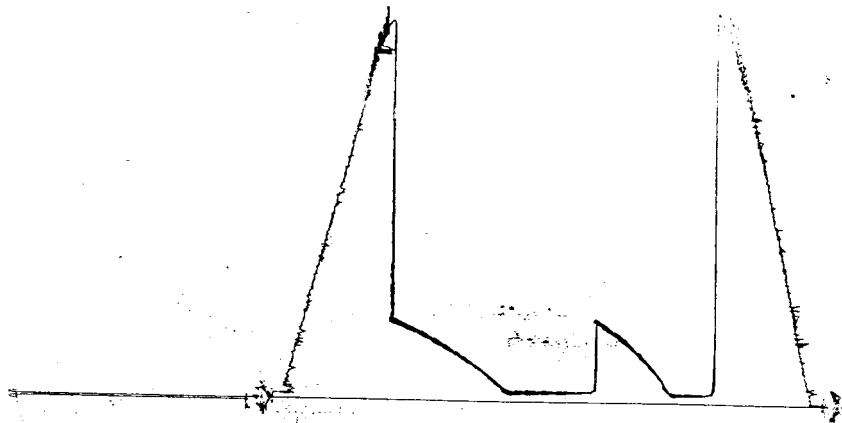


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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 19142

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

Elevation _____ Formation MISS Eff. Pay _____ Ft.

District GREAT BEND Date 8/28/93 Customer Order No. _____

COMPANY NAME WOODS PETROLEUM CORP OFFICE FAX 316-267-4383 PH 316-267-437

ADDRESS 107 N MARKET ST. SUITE 600 WICHITA KS 67202-1807

LEASE AND WELL NO. NORRIS #1 COUNTY BARBER STATE KS Sec. 11 Twp. 30S Rge. 14W

Mail Invoice To SAME No. Copies Requested REC
Co. Name _____ Address _____

Mail Charts To SAME No. Copies Requested REC
Address _____

Formation Test No. 2 Interval Tested From 4460 ft. to 4507 ft. Total Depth 4507 ft.

Packer Depth 4455 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4460 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4466 ft. Recorder Number 3659 Cap. 4000 PSI

Bottom Recorder Depth (Outside) 4504 ft. Recorder Number 11018 Cap. 4425 PSI

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

Drilling Contractor DUKE DRILLING RIG 2 Drill Collar Length 0 I. D. _____ in.

Mud Type CHROMIUM Viscosity 53 Weight Pipe Length _____ I. D. _____ in.

Weight 9.0 Water Loss 7.2 cc. Drill Pipe Length 4432 I. D. 3.8 in.

Chlorides 9.000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.

Jars: Make WESTERN Serial Number 12363 Anchor Length 47 ft. Size 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 STRONG BLOW - BTM BUCKET IN 30 SECONDS

AND STRONG BLOW - BTM BUCKET IMMEDIATELY (NO SHUT-IN BLOWBACKS)

Recovered 20 ft. of DRILLING MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used 2 Remarks: _____

Time On Location 2:00 AM Time Pick Up Tool 2:00 AM Time Off Location 4:00 AM

Time Set Packer(s) 2:35 AM Time Started Off Bottom 2:45 AM Maximum Temperature 110

Initial Hydrostatic Pressure _____ (A) 2133 1178 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 44 57 P.S.I. to (C) 46 62 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 467 471 P.S.I.

Final Flow Period _____ Minutes 60 (E) 56 62 P.S.I. to (F) 59 65 P.S.I.

Final Closed In Period _____ Minutes 90 (G) 456 461 P.S.I.

Final Hydrostatic Pressure _____ (H) 2102 2103 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 John Buech

FIELD INVOICE

Open Hole Test \$ V
Misrun \$ _____
Straddle Test \$ _____
Jars \$ V
Selective Zone \$ _____
Safety Joint \$ V
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ 20
Extra Charts \$ _____
Insurance \$ _____
Telecopier \$ _____
TOTAL \$ _____

WESTERN TESTING CO., INC.

Pressure Data

Date 8/23/93 Test Ticket No. 19142
 Recorder No. 11018 Capacity 4425 Location 4504 Ft.
 Clock No. 6894 Elevation _____ Well Temperature 118 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2118</u> P.S.I.		
B First Initial Flow Pressure	<u>57</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>62</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>471</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>62</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>65</u> P.S.I.		
G Final Closed-in Pressure	<u>461</u> P.S.I.		
H Final Hydrostatic Mud	<u>2103</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>62</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>65</u>
P 2 <u>5</u>	<u>57</u>	<u>3</u>	<u>71</u>	<u>5</u>	<u>62</u>	<u>3</u>	<u>69</u>
P 3 <u>10</u>	<u>59</u>	<u>6</u>	<u>100</u>	<u>10</u>	<u>62</u>	<u>6</u>	<u>78</u>
P 4 <u>15</u>	<u>60</u>	<u>9</u>	<u>137</u>	<u>15</u>	<u>63</u>	<u>9</u>	<u>94</u>
P 5 <u>20</u>	<u>60</u>	<u>12</u>	<u>164</u>	<u>20</u>	<u>63</u>	<u>12</u>	<u>108</u>
P 6 <u>25</u>	<u>61</u>	<u>15</u>	<u>190</u>	<u>25</u>	<u>63</u>	<u>15</u>	<u>130</u>
P 7 <u>30</u>	<u>62</u>	<u>18</u>	<u>218</u>	<u>30</u>	<u>64</u>	<u>18</u>	<u>147</u>
P 8		<u>21</u>	<u>246</u>	<u>35</u>	<u>64</u>	<u>21</u>	<u>167</u>
P 9		<u>24</u>	<u>273</u>	<u>40</u>	<u>64</u>	<u>24</u>	<u>178</u>
P10		<u>27</u>	<u>294</u>	<u>45</u>	<u>64</u>	<u>27</u>	<u>200</u>
P11		<u>30</u>	<u>311</u>	<u>50</u>	<u>64</u>	<u>30</u>	<u>214</u>
P12		<u>33</u>	<u>324</u>	<u>55</u>	<u>65</u>	<u>33</u>	<u>227</u>
P13		<u>36</u>	<u>355</u>	<u>60</u>	<u>65</u>	<u>36</u>	<u>241</u>
P14		<u>39</u>	<u>369</u>			<u>39</u>	<u>256</u>
P15		<u>42</u>	<u>391</u>			<u>42</u>	<u>269</u>
P16		<u>45</u>	<u>401</u>			<u>45</u>	<u>284</u>
P17		<u>48</u>	<u>415</u>			<u>48</u>	<u>296</u>
P18		<u>51</u>	<u>433</u>			<u>51</u>	<u>311</u>
P19		<u>54</u>	<u>444</u>			<u>54</u>	<u>324</u>
P20		<u>57</u>	<u>465</u>			<u>57</u>	<u>333</u>
		<u>60</u>	<u>471</u>			<u>60</u>	<u>346</u>

DST REPORT

GENERAL INFORMATION

DATE	: 8/28/93	TICKET	: 19142
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GERALD NORRIS
WELL	: #1	TEST: 2	GEOLOGIST: MAUNE
ELEVATION	: 1921 KB	FORMATION	: MISSISSIPPI
SECTION	: 11	TOWNSHIP	: 30S
RANGE	: 14W	COUNTY: BARBER	STATE : KS
GAUGE SN#	: 3659	RANGE : 4000	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4460.00 ft	TO:	4507.00 ft	TVD:	4507.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4466.0 ft	4504.0 ft			
TEMPERATURE:	118.0				
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 :	4432.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in		
ANCHOR LENGTH :	47.0 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:	4455.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	4460.0 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 DRILLING RIG 2	VISCOSITY :	53.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	7.200 cc
WEIGHT :	9.000 ppq		
CHLORIDES :	9000 ppm		
JARS-MAKE :	WTC	SERIAL NUMBER:	12363
DID WELL FLOW?:	NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - BOTTOM OF BUCKET
IN 30 SECONDS. FINAL FLOW PERIOD STRONG BLOW -
BOTTOM OF BUCKET IMMEDIATELY.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
20.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.2805	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.2805	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2133.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	44.00	46.00
INITIAL SHUT-IN	60.00		467.00
FINAL FLOW	60.00	56.00	59.00
FINAL SHUT-IN	90.00		456.00

FINAL HYDROSTATIC PRESSURE: 2102.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2118.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	62.00	62.00
INITIAL SHUT-IN	60.00		471.00
FINAL FLOW	60.00	68.00	65.00
FINAL SHUT-IN	90.00		461.00

FINAL HYDROSTATIC PRESSURE: 2103.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 8/28/93	TICKET	: 19142
CUSTOMER	: WOOLSEY PETROLEUM CORP	LEASE	: GERALD NORRIS
WELL	: #1	TEST: 2	
ELEVATION	: 1921 KB	GEOLOGIST	: MAUNE
SECTION	: 11	FORMATION	: MISSISSIPPI
RANGE	: 14W	TOWNSHIP	: 30S
GAUGE SN#	: 3659	STATE	: KS
		CLOCK	: 12
		COUNTY	: BARBER
		RANGE	: 4000

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	62.00	62.00
5.00	57.00	-5.00
10.00	59.00	2.00
15.00	60.00	1.00
20.00	60.00	0.00
25.00	61.00	1.00
30.00	62.00	1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	71.00	71.00	0.00
6.00	100.00	29.00	0.00
9.00	137.00	37.00	0.00
12.00	164.00	27.00	0.00
15.00	190.00	26.00	0.00
18.00	218.00	28.00	0.00
21.00	246.00	28.00	0.00
24.00	273.00	27.00	0.00
27.00	294.00	21.00	0.00
30.00	311.00	17.00	0.00
33.00	324.00	13.00	0.00
36.00	355.00	31.00	0.00
39.00	369.00	14.00	0.00
42.00	391.00	22.00	0.00
45.00	401.00	10.00	0.00
48.00	415.00	14.00	0.00
51.00	433.00	18.00	0.00
54.00	444.00	11.00	0.00
57.00	465.00	21.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	471.00	6.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	68.00	68.00
5.00	62.00	-6.00
10.00	62.00	0.00
15.00	63.00	1.00
20.00	63.00	0.00
25.00	63.00	0.00
30.00	64.00	1.00
35.00	64.00	0.00
40.00	64.00	0.00
45.00	64.00	0.00
50.00	64.00	0.00
55.00	65.00	1.00
60.00	65.00	0.00

FINAL SHUT IN

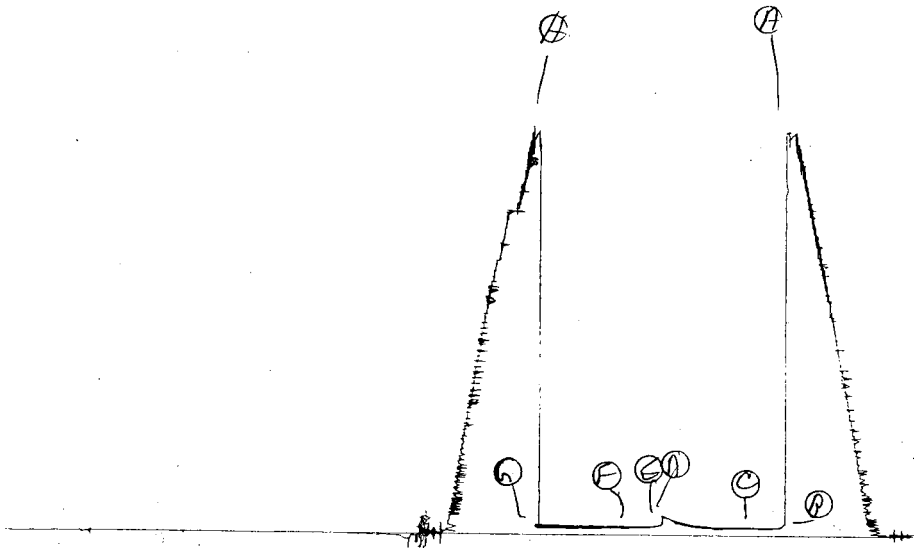
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	69.00	69.00	0.00
6.00	78.00	9.00	0.00
9.00	94.00	16.00	0.00
12.00	108.00	14.00	0.00
15.00	130.00	22.00	0.00
18.00	147.00	17.00	0.00
21.00	167.00	20.00	0.00
24.00	178.00	11.00	0.00
27.00	200.00	22.00	0.00
30.00	214.00	14.00	0.00
33.00	227.00	13.00	0.00
36.00	247.00	20.00	0.00
39.00	256.00	9.00	0.00
42.00	269.00	13.00	0.00
45.00	284.00	15.00	0.00
48.00	296.00	12.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	311.00	15.00	0.00
54.00	324.00	13.00	0.00
57.00	333.00	9.00	0.00
60.00	346.00	13.00	0.00
63.00	362.00	16.00	0.00
66.00	375.00	13.00	0.00
69.00	386.00	11.00	0.00
72.00	400.00	14.00	0.00
75.00	411.00	11.00	0.00
78.00	426.00	15.00	0.00
81.00	434.00	8.00	0.00
84.00	442.00	8.00	0.00
87.00	453.00	11.00	0.00
90.00	461.00	8.00	0.00

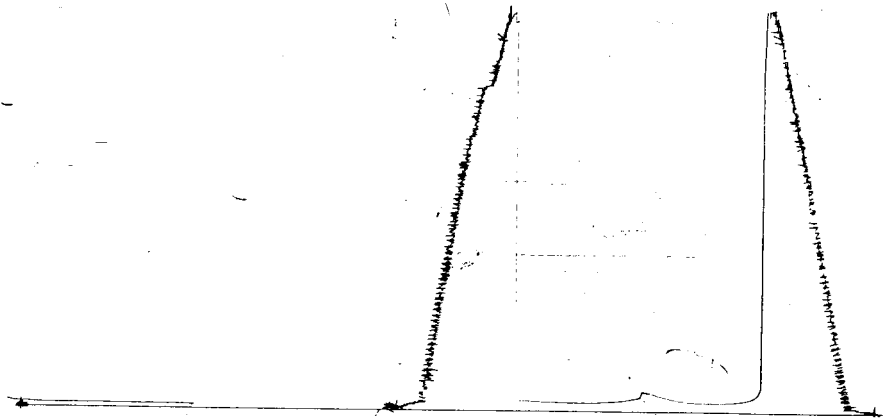
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P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

Nº 19143
LAST DST

Elevation 1921 K.B. Formation V10LA Eff. Pay _____ Ft.

District GREAT BEND Date 8/29/93 Customer Order No. _____

COMPANY NAME WOOLSEY PETROLEUM CORP.

ADDRESS 107 N MARKET SUITE 600 WICHITA KS 67202-1807

LEASE AND WELL NO. NORRIS #1 COUNTY BARBER STATE KS Sec. 11 Twp. 30S Rge. 4W

Mail Invoice To SAME Address _____ No. Copies Requested 1385
Co. Name _____

Mail Charts To SAME Address _____ No. Copies Requested 1385
Address _____

Formation Test No. 3 Interval Tested From 4653 ft. to 4700 ft. Total Depth 4700 ft.

Packer Depth 4648 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4653 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4656 ft. Recorder Number 1101A Cap. 4425

Bottom Recorder Depth (Outside) 4697 ft. Recorder Number 13629 Cap. 4425

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

Drilling Contractor DUKE DRILLING RIG 2 Drill Collar Length 0 I. D. _____ in.

Mud Type CHEMICAL Viscosity 52 Weight Pipe Length 0 I. D. _____ in.

Weight 9 Water Loss 9.6 cc. Drill Pipe Length 4625 I. D. 3.8 in.

Chlorides 9,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.

Jars: Make WESTERN Serial Number 12363 Anchor Length 47 ft. Size 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 x 11 in.

Blow: 1ST FLOW: WEAK BLOW DEAD IN 14 MINUTES

2ND FLOW: NO BLOW

Recovered 10 ft. of DRILLING MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

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

Time On Location 9:30 A.M. Time Pick Up Tool 11:30 A.M. Time Off Location 8:00 A.M.

Time Set Packer(s) 1:05 A.M. Time Started Off Bottom 4:05 A.M. Maximum Temperature 121

Initial Hydrostatic Pressure _____ (A) 2245 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 37 P.S.I. to (C) 32 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 98 P.S.I.

Final Flow Period _____ Minutes 30 (E) 40 P.S.I. to (F) 40 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 55 P.S.I.

Final Hydrostatic Pressure _____ (H) 2230 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 John Smith

FIELD INVOICE

Open Hole Test \$ V
Misrun \$ _____
Straddle Test \$ _____
Jars \$ V
Selective Zone \$ _____
Safety Joint \$ V
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ 20
Insurance \$ _____
Telecopier \$ _____
TOTAL \$ _____

WESTERN TESTING CO., INC.

Pressure Data

Date 8-29-72 Test Ticket No. 19142
 Recorder No. 1108 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2300</u> P.S.I.		M
B First Initial Flow Pressure	<u>47</u> P.S.I.		Mins. <u>20</u> Mins.
C First Final Flow Pressure	<u>50</u> P.S.I.		Mins. <u>60</u> Mins.
D Initial Closed-in Pressure	<u>112</u> P.S.I.		Mins. <u>30</u> Mins.
E Second Initial Flow Pressure	<u>52</u> P.S.I.		Mins. <u>60</u> Mins.
F Second Final Flow Pressure	<u>52</u> P.S.I.		
G Final Closed-in Pressure	<u>59</u> P.S.I.		
H Final Hydrostatic Mud	<u>2292</u> 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 <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>47</u>	0	<u>50</u>	0	<u>52</u>	0	<u>52</u>
P 2 5	<u>5</u>	3	<u>5</u>	5	<u>5</u>	3	<u>5</u>
P 3 10	<u>5</u>	6	<u>5</u>	10	<u>5</u>	6	<u>52</u>
P 4 15	<u>47</u>	9	<u>5</u>	15	<u>5</u>	9	<u>52</u>
P 5 20	<u>48</u>	12	<u>5</u>	20	<u>5</u>	12	<u>5</u>
P 6 25	<u>49</u>	15	<u>50</u>	25	<u>5</u>	15	<u>52</u>
P 7 30	<u>50</u>	18	<u>51</u>	30	<u>52</u>	18	<u>54</u>
P 8 35		21	<u>52</u>	35		21	<u>54</u>
P 9 40		24	<u>52</u>	40		24	<u>55</u>
P10 45		27	<u>55</u>	45		27	<u>55</u>
P11 50		30	<u>57</u>	50		30	<u>56</u>
P12 55		33	<u>59</u>	55		33	<u>56</u>
P13 60		36	<u>62</u>	60		36	<u>57</u>
P14 65		39	<u>65</u>	65		39	<u>57</u>
P15 70		42	<u>69</u>	70		42	<u>58</u>
P16 75		45	<u>72</u>	75		45	<u>58</u>
P17 80		48	<u>77</u>	80		48	<u>5</u>
P18 85		51	<u>82</u>	85		51	<u>58</u>
P19 90		54	<u>92</u>	90		54	<u>59</u>
P20 95		57	<u>102</u>	95		57	<u>5</u>
100		60	<u>112</u>	100		60	<u>59</u>

DST REPORT

GENERAL INFORMATION

DATE : 8/29/93
CUSTOMER : WOOLSEY PETROLEUM CORP
WELL : #1 TEST: 3
ELEVATION: 1921 KB
SECTION : 11
RANGE : 14W COUNTY: BARBER
GAUGE SN#: 11018 RANGE : 4425

TICKET : 19143
LEASE : GERALD NORRIS
GEOLOGIST: MAUNE
FORMATION: VIOLA
TOWNSHIP : 30S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4653.00 ft TO: 4700.00 ft TVD: 4700.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4656.0 ft 4697.0 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 :	4625.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	47.0 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:	4648.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4653.0 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 DRILLING RIG 2
MUD TYPE : CHEMICAL
WEIGHT : 9.000 ppg
CHLORIDES : 9000 ppm
JARS-MAKE : WTC
DID WELL FLOW?: NO

VISCOSITY : 52.00 cp
WATER LOSS: 9.600 cc
SERIAL NUMBER: 12363
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW - DIED IN 14 MINUTES
FINAL FLOW PERIOD NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
10.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.1403	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.1403	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2245.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	37.00	38.00
INITIAL SHUT-IN	60.00		98.00
FINAL FLOW	30.00	40.00	40.00
FINAL SHUT-IN	60.00		55.00

FINAL HYDROSTATIC PRESSURE: 2230.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2300.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	47.00	50.00
INITIAL SHUT-IN	60.00		112.00
FINAL FLOW	30.00	52.00	52.00
FINAL SHUT-IN	60.00		59.00

FINAL HYDROSTATIC PRESSURE: 2293.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8/29/93	TICKET : 19143
CUSTOMER : WOOLSEY PETROLEUM CORP	LEASE : GERALD NORRIS
WELL : #1	GEOLOGIST: MAUNE
ELEVATION: 1921 KB	FORMATION: VIOLA
SECTION : 11	TOWNSHIP : 30S
RANGE : 14W	STATE : KS
GAUGE SN#: 11018	CLOCK : 12
COUNTY: BARBER	
RANGE : 4425	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	47.00	47.00
5.00	47.00	0.00
10.00	47.00	0.00
15.00	47.00	0.00
20.00	48.00	1.00
25.00	49.00	1.00
30.00	50.00	1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	50.00	50.00	0.00
6.00	50.00	0.00	0.00
9.00	50.00	0.00	0.00
12.00	50.00	0.00	0.00
15.00	50.00	0.00	0.00
18.00	51.00	1.00	0.00
21.00	52.00	1.00	0.00
24.00	53.00	1.00	0.00
27.00	55.00	2.00	0.00
30.00	57.00	2.00	0.00
33.00	59.00	2.00	0.00
36.00	62.00	3.00	0.00
39.00	65.00	3.00	0.00
42.00	69.00	4.00	0.00
45.00	72.00	3.00	0.00
48.00	77.00	5.00	0.00
51.00	83.00	6.00	0.00
54.00	92.00	9.00	0.00
57.00	103.00	11.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	112.00	9.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	52.00	52.00
5.00	52.00	0.00
10.00	52.00	0.00
15.00	52.00	0.00
20.00	52.00	0.00
25.00	52.00	0.00
30.00	52.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	52.00	52.00	0.00
6.00	52.00	0.00	0.00
9.00	53.00	1.00	0.00
12.00	53.00	0.00	0.00
15.00	53.00	0.00	0.00
18.00	54.00	1.00	0.00
21.00	54.00	0.00	0.00
24.00	55.00	1.00	0.00
27.00	55.00	0.00	0.00
30.00	56.00	1.00	0.00
33.00	56.00	0.00	0.00
36.00	57.00	1.00	0.00
39.00	57.00	0.00	0.00
42.00	58.00	1.00	0.00
45.00	58.00	0.00	0.00
48.00	58.00	0.00	0.00
51.00	58.00	0.00	0.00
54.00	59.00	1.00	0.00
57.00	59.00	0.00	0.00
60.00	59.00	0.00	0.00