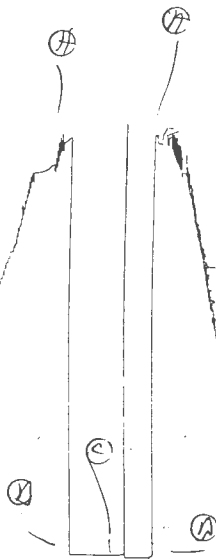


1051 Dst #1

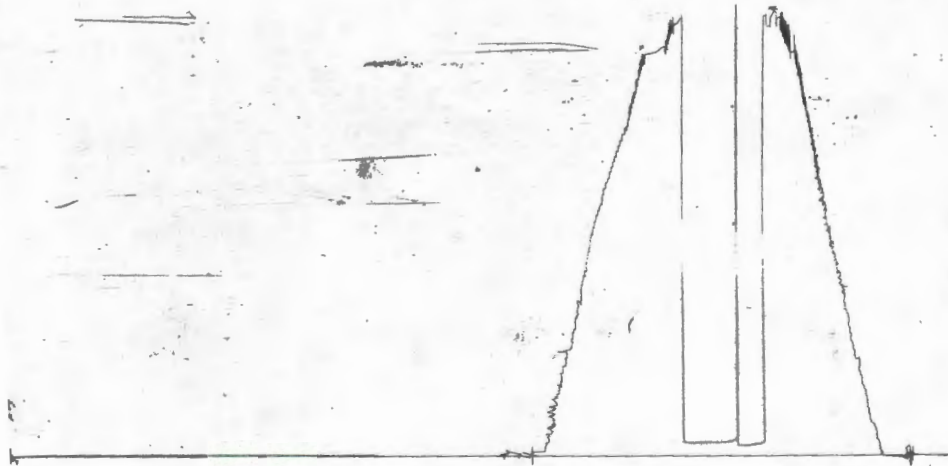
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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

Nº 19363

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation

2041 CL

Formation

MARMA TON

Eff. Pay

Ft.

District

PERTT

Date

1-2-93

Customer Order No.

COMPANY NAME

Hinkle Oil Company

ADDRESS

1016 Union Center Bldg Wichita Kansas 67202

LEASE AND WELL NO.

1-10 Alexander

COUNTY

Barber

STATE

Kansas

Sec.

10

Twp.

32S Rge 15W

Mail Invoice To

Same A1-10 Alexander

No. Copies Requested

7

Mail Charts To

Same

No. Copies Requested

7

Address

Formation Test No.

1

Interval Tested From

4858

ft. to

4925

ft.

Total Depth

4925

ft.

Packer Depth

4853

ft.

Size

6 5/8 in.

Packer Depth

2

ft.

Size

2 in.

Packer Depth

4858

ft.

Size

6 5/8 in.

Packer Depth

2

ft.

Size

2 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

4862 ft.

Bottom Recorder Depth (Outside)

4865 ft.

Below Straddle Recorder Depth

ft.

Recorder Number

1051

Cap.

4250

Recorder Number

4332

Cap.

4200

Recorder Number

—

Cap.

—

Drilling Contractor

Duke Drilling Rig 2

Mud Type

Chem

Viscosity

49

Weight

9.1

Water Loss

10.4

cc.

Chlorides

6.000

P.P.M.

Jars: Make

No

Serial Number

T

Did Well Flow?

No

Reversed Out

No

Drill Collar Length

—

I. D.

— in.

Weight Pipe Length

195

I. D.

2 1/2 in.

Drill Pipe Length

4643

I. D.

3.8 in.

Test Tool Length

20

ft.

Tool Size

5 1/2 in.

Anchor Length

27(31-35)

Size

5 1/2 + 4 1/2 in.

Surface Choke Size

3/4

in.

Bottom Choke Size

3/4

in.

Main Hole Size

7 1/2

in.

Tool Joint Size

4 1/2 in.

Blow:

Very weak blow for 12 min + died - flushed tool blow died 10 min

Recovered

ft. of

Recovered

20

ft. of

mud

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Chlorides

P.P.M. Sample Jars used

Remarks:

JAN 05 1993

Time On Location

9:45

A.M.

Time Pick Up Tool

12:00

A.M.

Time Off Location

5:30

A.M.

Time Set Packer(s)

1:45

A.M.

Time Started Off Bottom

2:45

A.M.

Maximum Temperature

120 °F

Initial Hydrostatic Pressure

(A)

2422

P.S.I.

Initial Flow Period

Minutes

30

(B)

86

P.S.I. to (C)

86

P.S.I.

Initial Closed In Period

Minutes

30

(D)

107

P.S.I.

Final Flow Period

Minutes

—

(E)

—

P.S.I. to (F)

—

P.S.I.

Final Closed In Period

Minutes

—

(G)

—

P.S.I.

Final Hydrostatic Pressure

(H)

2250

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

Signature of Customer or his authorized representative

Western Representative

Rod Irion - 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

\$610

WESTERN TESTING CO., INC.

Pressure Data

Date 1-2-91 Test Ticket No. 1051
 Recorder No. 1051 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2396</u> P.S.I.		M
B First Initial Flow Pressure	<u>91</u> P.S.I.	Mins. <u>30</u>	Mins.
C First Final Flow Pressure	<u>105</u> P.S.I.	Mins. <u>30</u>	Mins.
D Initial Closed-in Pressure	<u>105</u> P.S.I.	Mins.	Mins.
E Second Initial Flow Pressure	_____ P.S.I.	Mins.	Mins.
F Second Final Flow Pressure	_____ P.S.I.		
G Final Closed-in Pressure	_____ P.S.I.		
H Final Hydrostatic Mud	<u>2369</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 <u>0</u>	<u>91</u>	<u>0</u>	<u>105</u>	<u>0</u>		<u>0</u>	
P 2 <u>5</u>		<u>3</u>		<u>5</u>		<u>3</u>	
P 3 <u>10</u>		<u>6</u>		<u>10</u>		<u>6</u>	
P 4 <u>15</u>		<u>9</u>		<u>15</u>		<u>9</u>	
P 5 <u>20</u>	<u>91</u>	<u>12</u>		<u>20</u>		<u>12</u>	
P 6 <u>25</u>	<u>107 FT</u>	<u>15</u>		<u>25</u>		<u>15</u>	
P 7 <u>30</u>	<u>105</u>	<u>18</u>		<u>30</u>		<u>18</u>	
P 8 <u>35</u>		<u>21</u>		<u>35</u>		<u>21</u>	
P 9 <u>40</u>		<u>24</u>		<u>40</u>		<u>24</u>	
P10 <u>45</u>		<u>27</u>		<u>45</u>		<u>27</u>	
P11 <u>50</u>		<u>30</u>	<u>105</u>	<u>50</u>		<u>30</u>	
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P14 <u>65</u>		<u>39</u>		<u>65</u>		<u>39</u>	
P15 <u>70</u>		<u>42</u>		<u>70</u>		<u>42</u>	
P16 <u>75</u>		<u>45</u>		<u>75</u>		<u>45</u>	
P17 <u>80</u>		<u>48</u>		<u>80</u>		<u>48</u>	
P18 <u>85</u>		<u>51</u>		<u>85</u>		<u>51</u>	
P19 <u>90</u>		<u>54</u>		<u>90</u>		<u>54</u>	
P20 <u>95</u>		<u>57</u>		<u>95</u>		<u>57</u>	
<u>100</u>		<u>60</u>		<u>100</u>		<u>60</u>	

DST REPORT

GENERAL INFORMATION

DATE : 1/2/93
CUSTOMER : HINKLE OIL COMPANY
WELL : 1-10 TEST: 1
ELEVATION: 2041 GL
SECTION : 10
RANGE : 15W COUNTY: BARBER
GAUGE SN#: 1051 RANGE : 4250

TICKET : 19363
LEASE : ALEXANDER
GEOLOGIST: ORVIE HOWELL
FORMATION: MARMATON
TOWNSHIP : 32S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4858.00 ft TO: 4925.00 ft TVD: 4925.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4862.0 ft 4865.0 ft
TEMPERATURE: 120.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	195.0 ft	I.D.:	2.500 in
DRILL PIPE LENGTH :	4643.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	67.0 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:	4853.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4858.0 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 2
MUD TYPE : CHEMICAL
WEIGHT : 9.100 ppg
CHLORIDES : 6000 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 49.00 cp
WATER LOSS: 10.400 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK BLOW FOR 12 MINUTES,
AND DIED, FLUSHED TOOL, FLOW DIED IN 10 MINUTES.

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/2/93	TICKET : 19363
CUSTOMER : HINKLE OIL COMPANY	LEASE : ALEXANDER
WELL : 1-10 TEST: 1	GEOLOGIST: ORVIE HOWELL
ELEVATION: 2041 GL	FORMATION: MARMATON
SECTION : 10	TOWNSHIP : 32S
RANGE : 15W COUNTY: BARBER	STATE : KS
GAUGE SN#: 1051 RANGE : 4250	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	91.00	91.00
5.00	91.00	0.00
10.00	91.00	0.00
15.00	91.00	0.00
20.00	91.00	0.00
25.00	107.00	16.00
30.00	105.00	-2.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	105.00	105.00	0.00
6.00	105.00	0.00	0.00
9.00	105.00	0.00	0.00
12.00	105.00	0.00	0.00
15.00	105.00	0.00	0.00
18.00	105.00	0.00	0.00
21.00	105.00	0.00	0.00
24.00	105.00	0.00	0.00
27.00	105.00	0.00	0.00
30.00	105.00	0.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN

Time
(min)

Pressure

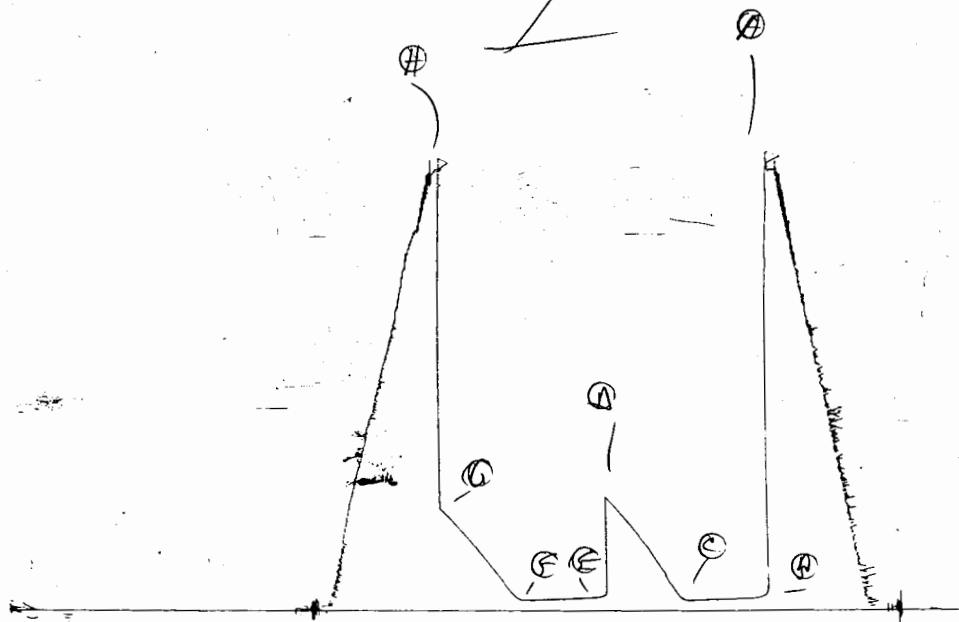
Delta P

Horner T

No Data Entered

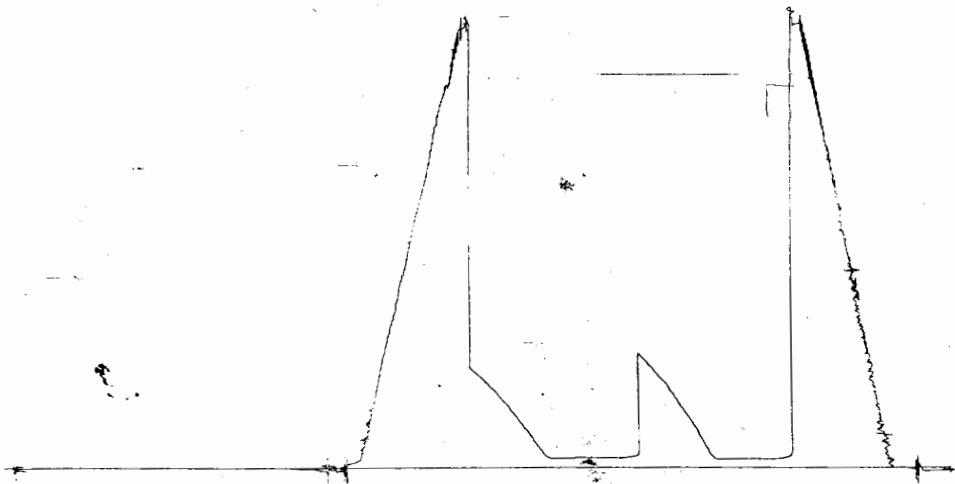


JK + 19564 . 7



4232 DSH # 2

JK 19564 . 7
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P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

N^o 19364

Elevation 2041 Gk Formation MISS Eff. Pay Ft.

District PRATT Date 1-3-93 Customer Order No.

COMPANY NAME Hinkle Oil Company
ADDRESS 1016 Union Center Bldg Wichita KANSAS 67202

LEASE AND WELL NO. 1-10 Alexander COUNTY BARBER STATE KANSAS Sec. 10 Twp. 32S Rge. 15W

Mail Invoice To Same Co. Name #1-10 Alexander Address No. Copies Requested 7

Mail Charts To Same Address No. Copies Requested 7

Formation Test No. 2 Interval Tested From 4960 ft. to 5000 ft. Total Depth 5,000 ft.

Packer Depth 4955 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 4960 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4963 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 4966 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth ft. Recorder Number Cap.

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

Mud Type Chem Viscosity 55 Weight Pipe Length 195 I. D. 2 1/2 in.

Weight 9.1 Water Loss 7.0 cc. Drill Pipe Length 4745 I. D. 3.8 in.

Chlorides 6,000 P.P.M. Test Tool Length 20 ft. Tool Size 5/20D in.

Jars: Make NO Serial Number 70 Anchor Length 40 ft. Size 5/20D 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 1 1/2 in.

Blow: Strong blow in 10 min on initial flow period
strong blow on pump flow No gas to surface

Recovered ft. of

Recovered 2500 ft. of gas in pipe

Recovered ft. of

Recovered 50 ft. of gas + oil cut mud - 10% gas 2% oil 88% mud

Recovered ft. of

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

JAN 05 1993

Time On Location 3:00 AM Time Pick Up Tool 5:30 AM Time Off Location 1:00 AM

Time Set Packer(s) 4:50 AM Time Started Off Bottom 10:50 AM Maximum Temperature 130 °F

Initial Hydrostatic Pressure (A) 2455 P.S.I.

Initial Flow Period Minutes 60 (B) 75 P.S.I. to (C) 53 P.S.I.

Initial Closed In Period Minutes 60 (D) 644 P.S.I.

Final Flow Period Minutes 60 (E) 75 P.S.I. to (F) 53 P.S.I.

Final Closed In Period Minutes 60 (G) 591 P.S.I.

Final Hydrostatic Pressure (H) 2455 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
Signature of Customer or his authorized representative

Western Representative 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 610

WESTERN TESTING CO., INC.

Pressure Data

Date 1-2-93

Test Ticket No. 19364

Recorder No. 1251 Capacity _____ Location _____ Ft. _____

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2441</u> P.S.I.		M
B First Initial Flow Pressure	<u>61</u> P.S.I.	Mins. <u>60</u>	Mins.
C First Final Flow Pressure	<u>61</u> P.S.I.	Mins. <u>62</u>	Mins.
D Initial Closed-in Pressure	<u>638</u> P.S.I.	Mins. <u>60</u>	Mins.
E Second Initial Flow Pressure	<u>62</u> P.S.I.	Mins. <u>60</u>	Mins.
F Second Final Flow Pressure	<u>62</u> P.S.I.	Mins. <u>60</u>	Mins.
G Final Closed-in Pressure	<u>569</u> P.S.I.		
H Final Hydrostatic Mud	<u>2422</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>61</u>	0	<u>61</u>	0	<u>62</u>	0	<u>62</u>
P 2 5		3	<u>65</u>	5		3	<u>67</u>
P 3 10		6	<u>85</u>	10		6	<u>88</u>
P 4 15		9	<u>110</u>	15		9	<u>116</u>
P 5 20		12	<u>152</u>	20		12	<u>146</u>
P 6 25		15	<u>191</u>	25		15	<u>177</u>
P 7 30		18	<u>228</u>	30		18	<u>206</u>
P 8 35		21	<u>267</u>	35		21	<u>232</u>
P 9 40		24	<u>293</u>	40		24	<u>265</u>
P10 45		27	<u>324</u>	45		27	<u>292</u>
P11 50		30	<u>361</u>	50		30	<u>319</u>
P12 55		33	<u>382</u>	55		33	<u>344</u>
P13 60	<u>61</u>	36	<u>413</u>	60	<u>62</u>	36	<u>373</u>
P14 65		39	<u>446</u>	65		39	<u>395</u>
P15 70		42	<u>471</u>	70		42	<u>417</u>
P16 75		45	<u>497</u>	75		45	<u>438</u>
P17 80		48	<u>520</u>	80		48	<u>474</u>
P18 85		51	<u>547</u>	85		51	<u>496</u>
P19 90		54	<u>574</u>	90		54	<u>521</u>
P20 95		57	<u>597</u>	95		57	<u>540</u>
100		60	<u>621</u>	100		60	<u>569</u>
		<u>63</u>	<u>638</u>				

DST REPORT

GENERAL INFORMATION

DATE	: 1/3/93	TICKET	: 19364
CUSTOMER	: HINKLE OIL COMPANY	LEASE	: ALEXANDER
WELL	: 1-10	TEST: 2	GEOLOGIST: ORVIE HOWELL
ELEVATION	: 2041 GL	FORMATION	: MISSISSIPPI
SECTION	: 10	TOWNSHIP	: 32S
RANGE	: 15W	COUNTY: BARBER	STATE : KS
GAUGE SN#	: 1051	RANGE : 4250	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4960.00 ft	TO:	5000.00 ft	TVD:	5000.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4963.0 ft	4966.0 ft			
TEMPERATURE:	130.0				
DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in		
WEIGHT PIPE LENGTH :	195.0 ft	I.D.:	2.500 in		
DRILL PIPE LENGTH :	4745.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	20.0 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:	4955.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	4960.0 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 2	VISCOSITY :	55.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	7.000 cc
WEIGHT :	9.100 ppg	SERIAL NUMBER:	
CHLORIDES :	6000 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW IN 10 MINUTES.
FINAL FLOW PERIOD STRONG BLOW, NO GAS TO SURFACE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
50.0	2.0	10.0	0.0	88.0	GAS & OIL CUT MUD
0.0	0.0	0.0	0.0	0.0	2500' OF GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.0061 STB		
GAS VOLUME:	0.1704 SCF	TOTAL FLOW TIME:	120.0000 min.
MUD VOLUME:	0.2671 STB	AVERAGE OIL RATE:	3.2783 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.2732 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2455.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	75.00	53.00
INITIAL SHUT-IN	60.00		644.00
FINAL FLOW	60.00	75.00	53.00
FINAL SHUT-IN	60.00		591.00

FINAL HYDROSTATIC PRESSURE: 2455.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2441.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	61.00	61.00
INITIAL SHUT-IN	63.00		638.00
FINAL FLOW	60.00	62.00	62.00
FINAL SHUT-IN	60.00		569.00

FINAL HYDROSTATIC PRESSURE: 2422.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/3/93	TICKET : 19364
CUSTOMER : HINKLE OIL COMPANY	LEASE : ALEXANDER
WELL : 1-10 TEST: 2	GEOLOGIST: ORVIE HOWELL
ELEVATION: 2041 GL	FORMATION: MISSISSIPPI
SECTION : 10	TOWNSHIP : 32S
RANGE : 15W COUNTY: BARBER	STATE : KS
GAUGE SN#: 1051 RANGE : 4250	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	61.00	61.00
5.00	61.00	0.00
10.00	61.00	0.00
15.00	61.00	0.00
20.00	61.00	0.00
25.00	61.00	0.00
30.00	61.00	0.00
35.00	61.00	0.00
40.00	61.00	0.00
45.00	61.00	0.00
50.00	61.00	0.00
55.00	61.00	0.00
60.00	61.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	65.00	65.00	0.00
6.00	85.00	20.00	0.00
9.00	120.00	35.00	0.00
12.00	152.00	32.00	0.00
15.00	191.00	39.00	0.00
18.00	228.00	37.00	0.00
21.00	267.00	39.00	0.00
24.00	293.00	26.00	0.00
27.00	324.00	31.00	0.00
30.00	361.00	37.00	0.00
33.00	383.00	22.00	0.00
36.00	413.00	30.00	0.00
39.00	446.00	33.00	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>
42.00	471.00	25.00	0.00
45.00	497.00	26.00	0.00
48.00	520.00	23.00	0.00
51.00	547.00	27.00	0.00
54.00	574.00	27.00	0.00
57.00	597.00	23.00	0.00
60.00	621.00	24.00	0.00
63.00	638.00	17.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	62.00	62.00
5.00	62.00	0.00
10.00	62.00	0.00
15.00	62.00	0.00
20.00	62.00	0.00
25.00	62.00	0.00
30.00	62.00	0.00
35.00	62.00	0.00
40.00	62.00	0.00
45.00	62.00	0.00
50.00	62.00	0.00
55.00	62.00	0.00
60.00	62.00	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	88.00	19.00	0.00
9.00	116.00	28.00	0.00
12.00	146.00	30.00	0.00
15.00	177.00	31.00	0.00
18.00	206.00	29.00	0.00
21.00	233.00	27.00	0.00
24.00	265.00	32.00	0.00
27.00	292.00	27.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

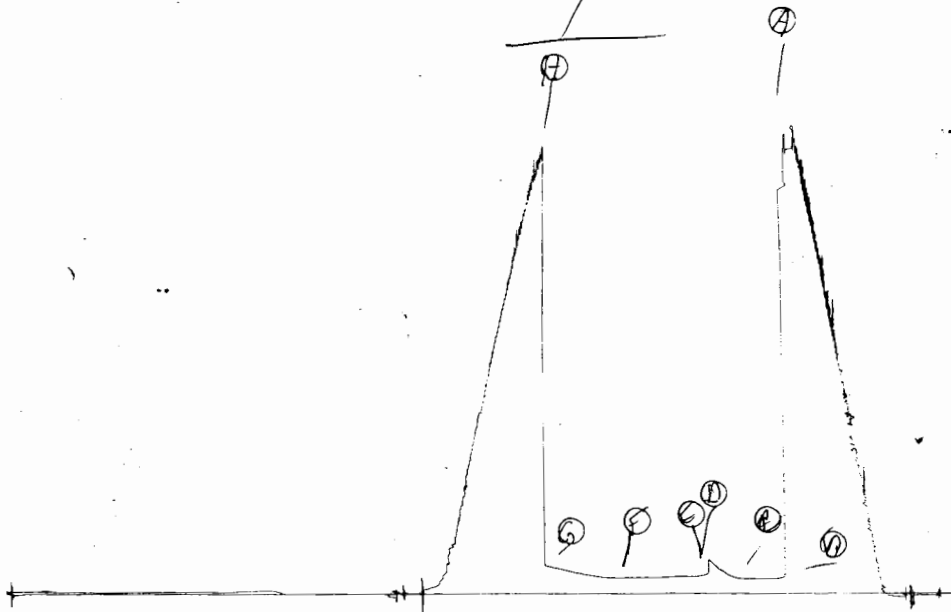
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
30.00	319.00	27.00	0.00
33.00	344.00	25.00	0.00
36.00	373.00	29.00	0.00
39.00	395.00	22.00	0.00
42.00	419.00	24.00	0.00
45.00	448.00	29.00	0.00
48.00	474.00	26.00	0.00
51.00	496.00	22.00	0.00
54.00	521.00	25.00	0.00
57.00	540.00	19.00	0.00
60.00	569.00	29.00	0.00

1057 D8T#3



KT 19565 7

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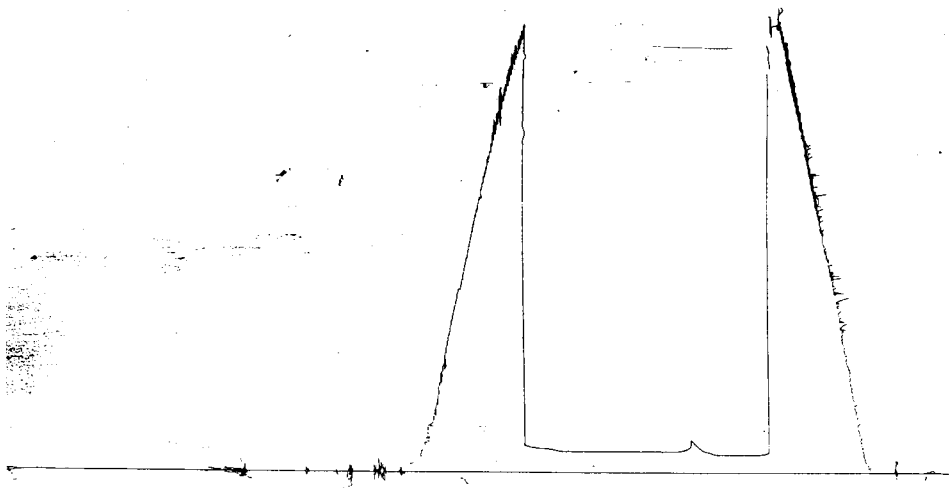


4332 DST#3

DKT 19265

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

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

Last
No 19365

Elevation 2041 GL Formation MISS Eff. Pay Ft.

District AAH Date 1-3-93 Customer Order No.

COMPANY NAME Hinkle Oil Company
ADDRESS 1016 Union Central Bldg Wichita, Kansas 67202

LEASE AND WELL NO. 1-10 Alexander COUNTY BARBER STATE KANSAS Sec. 10 Twp. 32S Rge. 15W

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

Mail Charts To Same # 1-10 Alexander Address No. Copies Requested 7

Formation Test No. 3 Interval Tested From 5000 ft. to 5060 ft. Total Depth 5060 ft.

Packer Depth 4995 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 5000 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5003 ft.

Bottom Recorder Depth (Outside) 5006 ft.

Below Straddle Recorder Depth ft.

Drilling Contractor Duke Drilling

Mud Type Chem Viscosity 58

Weight 9.2 Water Loss 17.2 cc.

Chlorides 7600 P.P.M.

Jars: Make NO Serial Number

Did Well Flow? NO Reversed Out NO

Recorder Number 1051 Cap. 4250

Recorder Number 4332 Cap. 4200

Recorder Number Cap.

Drill Collar Length 0 I. D. in.

Weight Pipe Length 195 I. D. 2 1/2 in.

Drill Pipe Length 4785 I. D. 3.8 in.

Test Tool Length 20 ft. Tool Size 5 3/8 in.

Anchor Length 60 (30-30) I. D. 4 1/2 in.

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 1 1/2 in.

Blow: Very weak blow for 25 minutes + died on initial flow period
Very weak blow for 35 minutes + died on final flow

Recovered ft. of

Recovered 60 ft. of mud

Recovered ft. of

Recovered 60 ft. of slightly oil cut mud - 1% oil

Recovered ft. of

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

JAN 05 1993

Time On Location 10:00 AM Time Pick Up Tool 11:00 AM Time Off Location 6:00 AM

Time Set Packer(s) 12:25 PM Time Started Off Bottom 3:25 PM Maximum Temperature 128 °F

Initial Hydrostatic Pressure (A) 2455 P.S.I.

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

Initial Closed In Period (E) 30 Minutes (F) 215 P.S.I.

Final Flow Period (G) 40 Minutes (H) 107 P.S.I. to (I) 107 P.S.I.

Final Closed In Period (J) 40 Minutes (K) 161 P.S.I.

Final Hydrostatic Pressure (L) 2455 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
Signature of Customer or his authorized representative

Western Representative Loe Diett - Thank you!

FIELD INVOICE

Open Hole Test \$200
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$10
Insurance \$
Telecopier \$
TOTAL \$210

WESTERN TESTING CO., INC.

Pressure Data

Date 1-3-72 Test Ticket No. 19365
 Recorder No. 1051 Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2465</u> P.S.I.		M
B First Initial Flow Pressure	<u>96</u> P.S.I.	Mins. <u>20</u>	Mins.
C First Final Flow Pressure	<u>96</u> P.S.I.	Mins. <u>27</u>	Mins.
D Initial Closed-in Pressure	<u>205</u> P.S.I.	Mins. <u>60</u>	Mins.
E Second Initial Flow Pressure	<u>101</u> P.S.I.	Mins. <u>60</u>	Mins.
F Second Final Flow Pressure	<u>101</u> P.S.I.		
G Final Closed-in Pressure	<u>165</u> P.S.I.		
H Final Hydrostatic Mud	<u>2422</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>96</u>	0	<u>96</u>	0	<u>101</u>	0	<u>101</u>
P 2 5		3	<u>96</u>	5		3	
P 3 10		6	<u>101</u>	10		6	
P 4 15		9	<u>108</u>	15		9	
P 5 20		12	<u>116</u>	20		12	
P 6 25		15	<u>135</u>	25		15	<u>101</u>
P 7 30	<u>96</u>	18	<u>145</u>	30		18	<u>103</u>
P 8 35		21	<u>165</u>	35		21	<u>106</u>
P 9 40		24	<u>185</u>	40		24	<u>109</u>
P10 45		27	<u>205</u>	45		27	<u>112</u>
P11 50		30		50		30	<u>116</u>
P12 55		33		55		33	<u>120</u>
P13 60		36		60	<u>101</u>	36	<u>124</u>
P14 65		39		65		39	<u>128</u>
P15 70		42		70		42	<u>132</u>
P16 75		45		75		45	<u>138</u>
P17 80		48		80		48	<u>142</u>
P18 85		51		85		51	<u>148</u>
P19 90		54		90		54	<u>153</u>
P20 95		57		95		57	<u>158</u>
100		60		100		60	<u>162</u>

DST REPORT

GENERAL INFORMATION

DATE : 1/3/93
CUSTOMER : HINKLE OIL COMPANY
WELL : 1-10 TEST: 3
ELEVATION: 2041 GL
SECTION : 10
RANGE : 15W COUNTY: BARBER
GAUGE SN#: 1051 RANGE : 4250

TICKET : 19365
LEASE : ALEXANDER
GEOLOGIST: ORVIE HOWELL
FORMATION: MISSISSIPPI
TOWNSHIP : 32S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5000.00 ft TO: 5060.00 ft TVD: 5060.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 5003.0 ft 5006.0 ft
TEMPERATURE: 128.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	195.0 ft	I.D.:	2.500 in
DRILL PIPE LENGTH :	4785.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 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:	4995.0 ft	SIZE:	6.630 in
PACKER DEPTH:	5000.0 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 2
MUD TYPE : CHEMICAL
WEIGHT : 9.200 ppg
CHLORIDES : 7600 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 58.00 cp
WATER LOSS: 17.200 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK BLOW FOR 25 MINUTES,
AND DIED. FINAL FLOW PERIOD VERY WEAK BLOW FOR 35
MINUTES AND DIED.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	0.0	0.0	0.0	100.0	MUD
60.0	1.0	0.0	0.0	99.0	SLIGHTLY OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0036	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.7249	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	0.7285	STB		
			TOTAL FLOW TIME:	90.0000 min.
			AVERAGE OIL RATE:	5.8281 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2455.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	86.00
INITIAL SHUT-IN	30.00		215.00
FINAL FLOW	60.00	107.00	107.00
FINAL SHUT-IN	60.00		161.00

FINAL HYDROSTATIC PRESSURE: 2455.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2463.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	96.00	96.00
INITIAL SHUT-IN	27.00		205.00
FINAL FLOW	60.00	101.00	101.00
FINAL SHUT-IN	60.00		163.00

FINAL HYDROSTATIC PRESSURE: 2423.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/3/93	TICKET : 19365
CUSTOMER : HINKLE OIL COMPANY	LEASE : ALEXANDER
WELL : 1-10 TEST: 3	GEOLOGIST: ORVIE HOWELL
ELEVATION: 2041 GL	FORMATION: MISSISSIPPI
SECTION : 10	TOWNSHIP : 32S
RANGE : 15W COUNTY: BARBER	STATE : KS
GAUGE SN#: 1051 RANGE : 4250	CLOCK : 12

INITIAL 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

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	96.00	96.00	0.00
6.00	101.00	5.00	0.00
9.00	108.00	7.00	0.00
12.00	116.00	8.00	0.00
15.00	135.00	19.00	0.00
18.00	145.00	10.00	0.00
21.00	165.00	20.00	0.00
24.00	185.00	20.00	0.00
27.00	205.00	20.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	101.00	101.00
5.00	101.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
10.00	101.00	0.00
15.00	101.00	0.00
20.00	101.00	0.00
25.00	101.00	0.00
30.00	101.00	0.00
35.00	101.00	0.00
40.00	101.00	0.00
45.00	101.00	0.00
50.00	101.00	0.00
55.00	101.00	0.00
60.00	101.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	101.00	101.00	0.00
6.00	101.00	0.00	0.00
9.00	101.00	0.00	0.00
12.00	101.00	0.00	0.00
15.00	101.00	0.00	0.00
18.00	103.00	2.00	0.00
21.00	106.00	3.00	0.00
24.00	109.00	3.00	0.00
27.00	112.00	3.00	0.00
30.00	116.00	4.00	0.00
33.00	120.00	4.00	0.00
36.00	124.00	4.00	0.00
39.00	128.00	4.00	0.00
42.00	133.00	5.00	0.00
45.00	138.00	5.00	0.00
48.00	143.00	5.00	0.00
51.00	148.00	5.00	0.00
54.00	153.00	5.00	0.00
57.00	158.00	5.00	0.00
60.00	163.00	5.00	0.00