



WESTERN TESTING CO., Inc.
P. O. Box 1599
WICHITA, KANSAS
67201

DATE 6/29/79

Well Report No.
Unit No.
District

1713

FOR CUSTOMER'S USE ONLY

Register No.	Voucher No.
Terms Approved	Price Approved
Calculations Checked	
Adjustments	
Accounting Distribution	
Audited	Final Approval

CHARGE TO

Indian Wells Oil Company
920 N. Jefferson
Kearney, Missouri 64060

Your Order No.	Owner	Contractor	Audited	Final Approval
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Well No.	Farm	County	Sec.	Twp.	Range
#3	Bolles	Harper	11	31S	7W

One drill stem test from 4312' to 4323' (Test 1) \$ 460.00

POSTED

Discount \$ 4.60	1% Discount Allowed on This Invoice If Paid by 20th of Following Month	Invoice No. 1713
IN REMITTING PLEASE GIVE OUR INVOICE NUMBER		

SEND ALL REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 1713

P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Elevation 1542 KB Formation MISS Eff. Pay Ft.

District PATT

Date 6-29-79

Customer Order No.

COMPANY NAME Indian Wells Oil Company

ADDRESS 920 N. Jefferson Kearney Mo. 64060

LEASE AND WELL NO. Bolles #3 COUNTY HARPER STATE KANSAS Sec. 11 Twp 31 Rge 7W

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

Mail Charts To SAME Address No. Copies Requested

Formation Test No. 1 Interval Tested from 4312 ft. to 4323 ft. Total Depth 4323 ft.

Packer Depth 4307 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4312 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4314 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4317 ft. Recorder Number 2606 Cap. 4150

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor DUNBAR Drilling Co Drill Collar Length 137 I. D. 2 1/2 in.

Mud Type STARCH Viscosity 43 Weight Pipe Length I. D. in.

Weight 9.6 Water Loss 10.4 cc. Drill Pipe Length I. D. in.

Chlorides 55,000 P.P.M. Test Tool Length 21 in. Tool Size 5500 in.

Jars: Make NO Serial Number Anchor Length 11 ft. Size 5500 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 FH in.

Blow: Good building to strong blow on initial flow.

Strong blow on final flow period

Recovered 3455 ft. of gas in pipe (light gas)

Recovered 120 ft. of gas cut - slightly oil cut mud

Recovered ft. of

Recovered ft. of heavy oil cut mud on tool

Recovered ft. of

Remarks: Hit several bridges on trip going in with tool

Time Set Packer(s) 12:00 A.M. NOON Time Started Off Bottom 1:50 A.M. P.M. Maximum Temperature 134°F

Initial Hydrostatic Pressure (A) 2263 P.S.I.

Initial Flow Period Minutes 45 (B) 106 P.S.I. to (C) 53 P.S.I.

Initial Closed In Period Minutes 20 (D) 606 P.S.I.

Final Flow Period Minutes 45 (E) 53 P.S.I. to (F) 42 P.S.I.

Final Closed In Period Minutes 30 (G) 794 P.S.I.

Final Hydrostatic Pressure (H) 2210 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 H. H. H. H. Signature of Customer or his authorized representative

Western Representative Red Smith Thank you.

FIELD INVOICE

Open Hole Test \$ 460.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Extra Charts \$

TOTAL

\$ 460.00

WESTERN TESTING CO., INC.

Pressure Data

Date 6-29-79

Recorder No. 2604

Capacity 4150

Test Ticket No. 1713

Clock No. Elevation 1542 KB

Location 4314 Ft.

Well Temperature 134 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2257</u>	P.S.I.	<u>12100</u> P.M.	
B First Initial Flow Pressure	<u>115</u>	P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>64</u>	P.S.I.	<u>20</u> Mins.	<u>21</u> Mins.
D Initial Closed-in Pressure	<u>605</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>60</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>40</u>	P.S.I.		
G Final Closed-in Pressure	<u>803</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2217</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

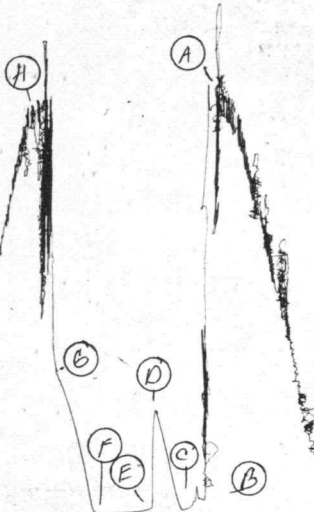
Initial Shut-In
Breakdown: 7 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 10 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 <u>0</u>	<u>115</u>	<u>0</u>	<u>64</u>	<u>0</u>	<u>60</u>	<u>0</u>	<u>40</u>
P 2 <u>5</u>	<u>121</u>	<u>3</u>	<u>100</u>	<u>5</u>	<u>60</u>	<u>3</u>	<u>92</u>
P 3 <u>10</u>	<u>79</u>	<u>6</u>	<u>179</u>	<u>10</u>	<u>51</u>	<u>6</u>	<u>194</u>
P 4 <u>15</u>	<u>64</u>	<u>9</u>	<u>280</u>	<u>15</u>	<u>47</u>	<u>9</u>	<u>307</u>
P 5 <u>20</u>		<u>12</u>	<u>372</u>	<u>20</u>	<u>45</u>	<u>12</u>	<u>397</u>
P 6 <u>25</u>		<u>15</u>	<u>461</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>487</u>
P 7 <u>30</u>		<u>18</u>	<u>542</u>	<u>30</u>		<u>18</u>	<u>554</u>
P 8 <u>35</u>		<u>21</u>	<u>605</u>	<u>35</u>		<u>21</u>	<u>623</u>
P 9 <u>40</u>		<u>24</u>		<u>40</u>		<u>24</u>	<u>682</u>
P10 <u>45</u>		<u>27</u>		<u>45</u>	<u>40</u>	<u>27</u>	<u>742</u>
P11 <u>50</u>		<u>30</u>		<u>50</u>		<u>30</u>	<u>803</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>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

260 T 125 1
TKL # 1713
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Company Indian Wells Oil Company Lease & Well No. Bolles #3
Elevation 1542 Kelly Bushing Mississippi Formation Effective Pay -- Ft. Ticket No. 1713
Date 6/29/79 Sec. 11 Twp. 31S Range 7W County Harper State Kansas
Test Approved by H. Herbel Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 4312 ft. to 4323 ft. Total Depth 4323 ft.
Packer Depth 4307 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4312 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4314 ft. Recorder Number 2604 Cap. 4150
Bottom Recorder Depth (Outside) 4317 ft. Recorder Number 2606 Cap. 4150
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Dunbar Drilling Co. Drill Collar Length 137 I. D. 2 1/4 in.
Mud Type starch Viscosity 43 Weight Pipe Length - I. D. - in.
Weight 9.6 Water Loss 10.4 cc. Drill Pipe Length - I. D. - in.
Chlorides 55,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make No Serial Number -- Anchor Length 11 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 FH in.

Blow: Good building to strong blow on initial flow. Strong blow on final flow period.

Recovered 3455 ft. of gas in pipe (light gas)
Recovered 120 ft. of gas cut - slightly oil cut mud
Recovered - ft. of -
Recovered - ft. of Heavy oil cut mud on tool
Recovered - ft. of -
Remarks: Hit several bridges on trip going in with tool.

Time Set Packer(s) 12:00 ~~A.M.~~ noon Time Started Off Bottom 1:50 ~~A.M.~~ P.M. Maximum Temperature 134
Initial Hydrostatic Pressure (A) 2257 P.S.I.
Initial Flow Period Minutes 15 (B) 115 P.S.I. to (C) 64 P.S.I.
Initial Closed In Period Minutes 21 (D) 605 P.S.I.
Final Flow Period Minutes 45 (E) 60 P.S.I. to (F) 40 P.S.I.
Final Closed In Period Minutes 30 (G) 803 P.S.I.
Final Hydrostatic Pressure (H) 2217 P.S.I.

WESTERN TESTING CO., INC. Pressure Data

Date 6/29/79
Recorder No. 2604
Clock No. --
Capacity 4150
Elevation 1542 Kelly Bushing
Test Ticket No. 1713
Location 4314 Ft.
Well Temperature 134 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2257	P.S.I.	12:00P	M
B First Initial Flow Pressure	115	P.S.I.	15	Mins.
C First Final Flow Pressure	64	P.S.I.	20	Mins.
D Initial Closed-in Pressure	605	P.S.I.	45	Mins.
E Second Initial Flow Pressure	60	P.S.I.	30	Mins.
F Second Final Flow Pressure	40	P.S.I.		
G Final Closed-in Pressure	803	P.S.I.		
H Final Hydrostatic Mud	2217	P.S.I.		

Open Tool	First Flow Pressure	15	Mins.	15	Mins.
	Initial Closed-in Pressure	20	Mins.	21	Mins.
	Second Flow Pressure	45	Mins.	45	Mins.
	Final Closed-in Pressure	30	Mins.	30	Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 7 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 10 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 <u>0</u>	<u>115</u>	<u>0</u>	<u>64</u>	<u>0</u>	<u>60</u>	<u>0</u>	<u>40</u>
P 2 <u>5</u>	<u>121</u>	<u>3</u>	<u>100</u>	<u>5</u>	<u>60</u>	<u>3</u>	<u>92</u>
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P 6		<u>15</u>	<u>461</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>487</u>
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