



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

DATE 4-10-78

Gabbert-Jones, Inc.
830 Sutton Place
Wichita, Kansas 67202

CHARGE TO

Well Report No. 840
Unit No.
District

FOR CUSTOMER'S USE ONLY

Register No.

Voucher No.

Terms Approved

Price Approved

Calculations Checked

Adjustments

Accounting Distribution

Your Order No.

Owner

Contractor

Audited

Final Approval

Well No. #2

Farm

Linnebur

County

Kingman

Sec. 22

Twp. 30S

Range 6W

One drill stem test from 1945' to 1981' (Test #1)

\$ 415.00

POSTED

Discount \$ 415	1% Discount Allowed on This Invoice If Paid by 20th of Following Month	Invoice No. 840
IN REMITTING PLEASE GIVE OUR INVOICE NUMBER		

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



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 840

Elevation 1365 KB Formation Indian Cave Eff. Pay - Ft.

District Pratt Date 4/10/78 Customer Order No. -
COMPANY NAME Gabbert & Jones Inc.
ADDRESS 830 Sutton Place Wichita, Ks 67202
LEASE AND WELL NO Linnebur #2 COUNTY Kingman STATE Ks Sec. 22 Twp 30 Rge 6
Mail Invoice To Same as above No. Copies Requested 5
Co. Name Address
Mail Charts To Same as above No. Copies Requested 5

Formation Test No. 1 Interval Tested from 1954 ft. to 1981 ft. Total Depth 1981 ft.
Packer Depth 1951 ft. Size 6 3/4 in. Packer Depth 1956 ft. Size 6 3/4 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 1971 ft. Recorder Number 969 Cap. 4150
Bottom Recorder Depth (Outside) 1974 ft. Recorder Number 2603 Cap. 4450
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Gabbert & Jones
Mud Type Gel Viscosity 33
Weight 9.8 Water Loss 12.4 cc.
Chlorides 71,000 P.P.M.
Jars: Make - Serial Number -
Did Well Flow? No Reversed Out No
Drill Collar Length 440 I. D. 2 1/4 in.
Weight Pipe Length - I. D. - in.
Drill Pipe Length 1495 I. D. 3.8 in.
Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.
Anchor Length 25 ft. Size 5 1/2 in.
Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 1/8 in.

Blow: Strong blow throughout flow periods

Recovered 90 ft. of Muddy Water
Recovered 535 ft. of Salt Water 125,000 P.P.M.
Recovered - ft. of -
Recovered - ft. of -
Recovered - ft. of -
Remarks:

Time Set Packer(s) 12:30 A.M. Time Started Off Bottom 3:00 A.M.
Initial Hydrostatic Pressure (A) 1075 1086 P.S.I. Maximum Temperature 100°
Initial Flow Period Minutes 30 (B) 112 117 P.S.I. to (C) 262 272 P.S.I.
Initial Closed In Period Minutes 45 (D) 891 890 P.S.I.
Final Flow Period Minutes 30 (E) 286 294 P.S.I. to (F) 358 355 P.S.I.
Final Closed In Period Minutes 45 (G) 881 886 P.S.I.
Final Hydrostatic Pressure (H) 1055 1053 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 E. Donk Scherling
Signature of Customer or his authorized representative

Western Representative Jim Wondra Thank you

FIELD INVOICE

Open Hole Test \$ 415.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Extra Charts \$

TOTAL

\$ 415.00

WESTERN TESTING CO., INC.

Pressure Data

Date 4-10-78 Recorder No. 969 Capacity 4150 Test Ticket No. 840 Location 1951 Ft.
Clock No. _____ Elevation 1365 K B Well Temperature 100 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1086</u> P.S.I.		<u>12:30 AM</u>	
B First Initial Flow Pressure	<u>117</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>272</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>890</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>294</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>355</u> P.S.I.			
G Final Closed-in Pressure	<u>886</u> P.S.I.			
H Final Hydrostatic Mud	<u>1055</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

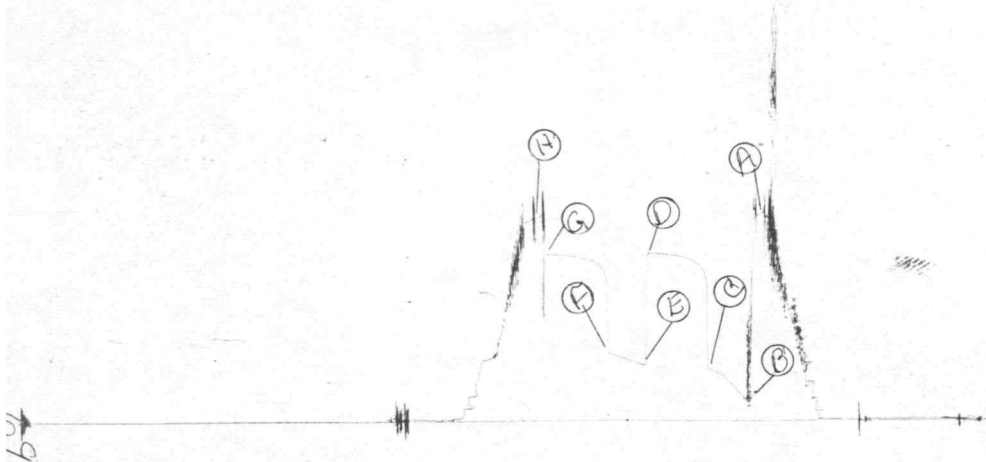
Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 15 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	<u>117</u>	0	<u>272</u>	0	<u>294</u>	0	<u>355</u>
P 2 5	<u>142</u>	3	<u>750</u>	5	<u>301</u>	3	<u>781</u>
P 3 10	<u>185</u>	6	<u>806</u>	10	<u>314</u>	6	<u>820</u>
P 4 15	<u>222</u>	9	<u>833</u>	15	<u>328</u>	9	<u>838</u>
P 5 20	<u>249</u>	12	<u>847</u>	20	<u>342</u>	12	<u>850</u>
P 6 25	<u>265</u>	15	<u>858</u>	25	<u>352</u>	15	<u>857</u>
P 7 30	<u>272</u>	18	<u>866</u>	30	<u>355</u>	18	<u>863</u>
P 8 35		21	<u>872</u>	35		21	<u>868</u>
P 9 40		24	<u>876</u>	40		24	<u>872</u>
P 10 45		27	<u>879</u>	45		27	<u>875</u>
P 11 50		30	<u>883</u>	50		30	<u>878</u>
P 12 55		33	<u>885</u>	55		33	<u>880</u>
P 13 60		36	<u>886</u>	60		36	<u>882</u>
P 14		39	<u>888</u>	65		39	<u>883</u>
P 15		42	<u>890</u>	70		42	<u>885</u>
P 16		45	<u>890</u>	75		45	<u>886</u>
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

TKT # 840
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P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Company Gabbert-Jones, Inc. Lease & Well No. Linnebur #2
Elevation 1365 Kelly Bush Formation Indian Cave Effective Pay - Ft. Ticket No. 840
Date 4-10-78 Sec. 22 Twp. 30S Range 6W County Kingman State Kansas
Test Approved by Eldon J. Schierling Western Representative Jim Wondra
Formation Test No. 1 Interval Tested from 1956' ft. to 1981' ft. Total Depth 1981' ft.
Packer Depth 1951 ft. Size 6 3/4 in. Packer Depth 1956 ft. Size 6 3/4 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 1971 ft. Recorder Number 964 Cap. 4150
Bottom Recorder Depth (Outside) 1974 ft. Recorder Number 2603 Cap. 4450
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Gabbert-Jones, Inc. Drill Collar Length 440 I. D. 2 1/4 in.
Mud Type Gel Viscosity 33 Weight Pipe Length - I. D. - in.
Weight 9.8 Water Loss 12.4 cc. Drill Pipe Length 1495 I. D. 3.8 in.
Chlorides 71,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.
Jars: Make - Serial Number - Anchor Length 25 ft. Size 5 1/2 OD in.
Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in.

Blow: Strong blow throughout test.

Recovered 90 ft. of muddy water
Recovered 535 ft. of salt water (Chlorides 125,000 PPM)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 3:00 ~~P.M.~~ ^{A.M.} Maximum Temperature 100
Initial Hydrostatic Pressure (A) 1086 P.S.I.
Initial Flow Period Minutes 30 (B) 117 P.S.I. to (C) 272 P.S.I.
Initial Closed In Period Minutes 45 (D) 890 P.S.I.
Final Flow Period Minutes 30 (E) 294 P.S.I. to (F) 355 P.S.I.
Final Closed In Period Minutes 45 (G) 886 P.S.I.
Final Hydrostatic Pressure (H) 1055 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

te 4/10/78

Test Ticket No. 840

Order No. 969 Capacity 4150 Location 1951 Ft.

Well No. Elevation 1365 Kelly Bushing Well Temperature 100 °F

int	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	1086 P.S.I.	Open Tool	12:30A M	
First Initial Flow Pressure	117 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
First Final Flow Pressure	272 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
Initial Closed-in Pressure	890 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
Second Initial Flow Pressure	294 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
Second Final Flow Pressure	355 P.S.I.			
Final Closed-in Pressure	886 P.S.I.			
Final Hydrostatic Mud	1055 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 15 Inc.		Breakdown: 6 Inc.		Breakdown: 15 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.	
int ns.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1 0	117	0	272	0	294	0	355
2 5	142	3	750	5	301	3	781
3 10	185	6	806	10	314	6	820
4 15	222	9	833	15	328	9	838
5 20	249	12	847	20	342	12	850
6 25	265	15	858	25	352	15	857
7 30	272	18	866	30	355	18	863
8		21	872			21	868
9		24	876			24	872
0		27	879			27	875
1		30	883			30	878
2		33	885			33	880
3		36	886			36	882
4		39	888			39	883
5		42	890			42	885
6		45	890			45	886
7							
8							
9							
0							