



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No. 18239

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

Elevation _____ Formation Marm Eff. Pay _____ Ft.

District Pratt Date 11-19-82 Customer Order No. _____

COMPANY NAME Lee Banks Oil Company

ADDRESS 200 W. Douglas #550 Wichita, Ks. 67202

LEASE AND WELL NO. 2-31 Moberly COUNTY Kiowa STATE Ks. Sec. 31 Twp. 30 Rge. 17U

Mail Invoice To #2-31 MOBERLEY Co. Name _____ Address _____ No. Copies Requested _____

Mail Charts To _____ Address _____ No. Copies Requested _____

Formation Test No. 1 Interval Tested From 4870 ft. to 4900 ft. Total Depth 4900 ft.

Packer Depth 4865 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4870 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4873 ft. Recorder Number 1566' Cap. 4360

Bottom Recorder Depth (Outside) 4877 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor DR Leuck Rig 1 Drill Collar Length 208' I. D. 2.2 in.

Mud Type chem. Viscosity 64 Weight Pipe Length _____ I. D. _____ in.

Weight 9.7 Water Loss 18.4 cc. Drill Pipe Length 4632' I. D. 3.8 in.

Chlorides 14,000 P.P.M. Test Tool Length 30' ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 3660 Anchor Length 30' 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.

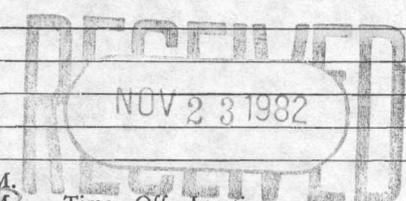
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow log Blow dead in 18 min. I.F.P. Dead FFP Flushed Tool WK depleting
Blow dead in 20 min.

Recovered 65' ft. of Dilg. mud-

Recovered _____ ft. of _____

Remarks: _____



Time On Location 12:00 A.M. Time Pick Up Tool 2:45 P.M. Time Off Location _____ A.M. P.M.

Time Set Packer(s) 4:45 P.M. Time Started Off Bottom 6:45 P.M. Maximum Temperature 126°

Initial Hydrostatic Pressure (A) 2548 P.S.I.

Initial Flow Period Minutes 30 (B) 64 P.S.I. to (C) 43 P.S.I.

Initial Closed In Period Minutes 30 (D) 43 P.S.I.

Final Flow Period Minutes 30 (E) 43 P.S.I. to (F) 75 P.S.I.

Final Closed In Period Minutes 30 (G) 75 P.S.I.

Final Hydrostatic Pressure (H) 2482 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] Signature of Customer or his authorized representative

Western Representative Mike Rogus Thank You!

FIELD INVOICE

Table with 2 columns: Item and Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.

WESTERN TESTING CO., INC.

Pressure Data

Date: 11-19 Test Ticket No. 18231
 Recorder No. 1566 Capacity 4300 Location 4873
 Clock No. _____ Elevation _____ Well Temperature 126

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2537</u> P.S.I.		<u>4:45 P</u> M	
B First Initial Flow Pressure	<u>52</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mi
C First Final Flow Pressure	<u>52</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mi
D Initial Closed-in Pressure	<u>52</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mi
E Second Initial Flow Pressure	<u>52</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mi
F Second Final Flow Pressure	<u>85</u> P.S.I.			
G Final Closed-in Pressure	<u>88</u> P.S.I.			
H Final Hydrostatic Mud	<u>2463</u> P.S.I.			

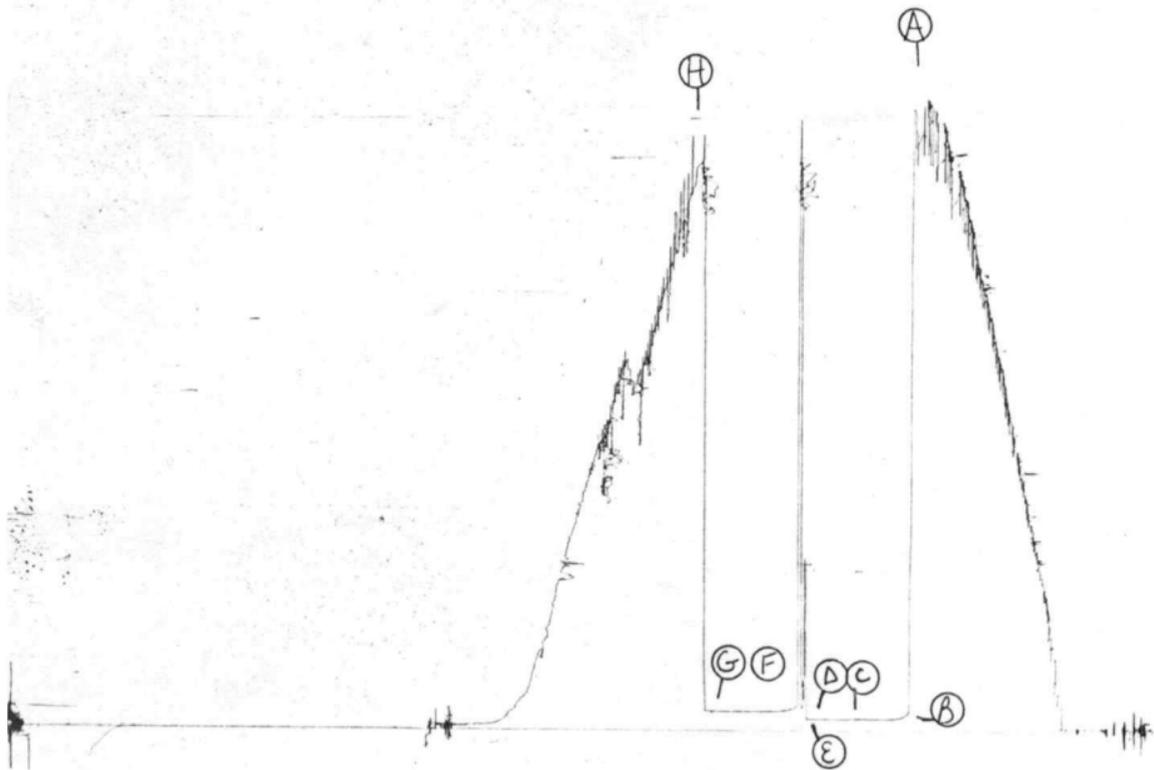
PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>52</u>	0	<u>52</u>	0	<u>85</u>	0	
P 2		3		5	<u>Flushed Tool</u>	3	
P 3		6		10	<u>85</u>	6	
P 4		9		15		9	
P 5		12		20		12	
P 6		15		25		15	<u>85</u>
P 7	<u>52</u>	18		30	<u>85</u>	18	<u>85</u>
P 8		21		35		21	<u>85</u>
P 9		24		40		24	<u>86</u>
P 10		27		45		27	<u>87</u>
P 11		30	<u>52</u>	50		30	<u>88</u>
P 12		33		55		33	
P 13		36		60		36	
P 14		39		65		39	
P 15		42		70		42	
P 16		45		75		45	
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

1566

TKT # 18239

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Company Lee Banks Oil Company Lease & Well No. #2-31 Moberley
 Elevation --- Formation Marmaton Effective Pay --- Ft. Ticket No. 18239
 Date 11/19 /82 Sec. 31 Twp. 30S Range 17W County Kiowa State Kansas
 Test Approved by Scott Banks Western Representative Mike Rogers

Formation Test No. 1 Interval Tested from 4870 ft. to 4900 ft. Total Depth 4900 ft.
 Packer Depth 4865 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4870 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4873 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 4877 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor D. R. Lauck Drilling Rig #1 Drill Collar Length 208 I. D. 2.2 in.
 Mud Type chemical Viscosity 64 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss 18.4 cc. Drill Pipe Length 4632 I. D. 3.8 in.
 Chlorides 14,000 P.P.M. Test Tool Length 30 ft. Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number 3660 Anchor Length 30 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 in.

Blow: Weak blow died in eighteen minutes on initial flow period. Dead on final flow period; flushed tool, weak depleating blow and dead in twenty-two minutes.

Recovered 65 ft. of drilling mud
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 4:45 ~~A.M.~~ P.M. Time Started Off Bottom 6:45 ~~A.M.~~ P.M. Maximum Temperature 126°
 Initial Hydrostatic Pressure (A) 2537 P.S.I.
 Initial Flow Period Minutes 30 (B) 52 P.S.I. to (C) 52 P.S.I.
 Initial Closed In Period Minutes 30 (D) 52 P.S.I.
 Final Flow Period Minutes 30 (E) 52 P.S.I. to (F) 85 P.S.I.
 Final Closed In Period Minutes 30 (G) 88 P.S.I.
 Final Hydrostatic Pressure (H) 2463 P.S.I.



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 18240

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

Elevation _____ Formation Miss. Eff. Pay _____ Ft.

District Pratt Date 11-20-82 Customer Order No. _____

COMPANY NAME Lee Banks Oil Company

ADDRESS 200 W. Douglas Suite 550 Wichita, Ks. 67202

LEASE AND WELL NO. 2-31 Moberly COUNTY Kiowa STATE Ks. Sec. 31 Twp. 30 Rge. 17W

Mail Invoice To #2-31 MOBERLEY Co. Name Address No. Copies Requested

Mail Charts To Address No. Copies Requested

Formation Test No. 2 Interval Tested From 5050 ft. to 5066' ft. Total Depth 5066' ft.

Packer Depth 5045 ft. Size 6 3/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 5050 ft. Size 6 3/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5053 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 5057 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor D. L. Leuk Rig 1 Drill Collar Length 208' I. D. 2.2 in.

Mud Type chem Viscosity 83 Weight Pipe Length _____ I. D. _____ in.

Weight 9.8 Water Loss 16 cc. Drill Pipe Length 4812' I. D. 3.8 in.

Chlorides 20,000 P.P.M. Test Tool Length 30' ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 3660 Anchor Length 16' 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 in.

Blow: Good Building to Strong then depleting to 6 inches L.F.P. Good 9 inch Blow depleting to one inch F.F.P.

Recovered 600' ft. of Very slight gas odor in pipe

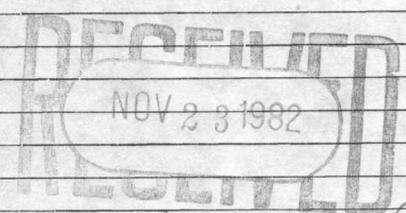
Recovered 45 ft. of Delq. mud. -

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____



Time On Location 4:30 A.M. Time Pick Up Tool 6:45 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 8:30 P.M. Time Started Off Bottom 11:30 P.M. Maximum Temperature 127°

Initial Hydrostatic Pressure _____ (A) 2657 P.S.I.

Initial Flow Period _____ Minutes (B) 30 P.S.I. to (C) 54 P.S.I.

Initial Closed In Period _____ Minutes (D) 45 P.S.I.

Final Flow Period _____ Minutes (E) 45 P.S.I. to (F) 54 P.S.I.

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

Final Hydrostatic Pressure _____ (H) 2624 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] Signature of Customer or his authorized representative

Western Representative Mike Rogus Thank You

FIELD INVOICE

Table with 2 columns: Item and Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage 55, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.

WESTERN TESTING CO., INC.

Pressure Data

Date: 11-20 Test Ticket No. 18240
 Recorder No. 1566 Capacity 4300 Location 5053
 Clock No. _____ Elevation _____ Well Temperature 127

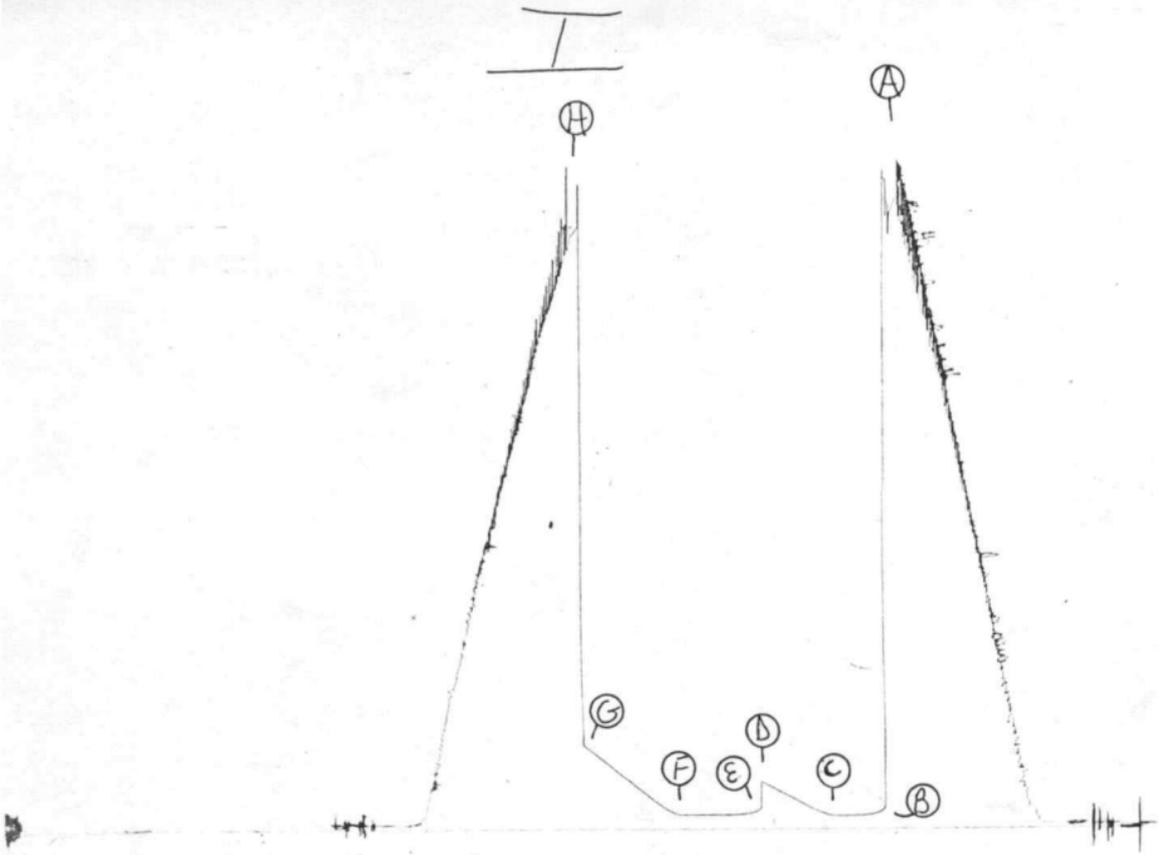
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2691</u> P.S.I.	<u>8:30 P</u> M	
B First Initial Flow Pressure	<u>62</u> P.S.I.	<u>30</u> Mins.	<u>30</u> M
C First Final Flow Pressure	<u>62</u> P.S.I.	<u>45</u> Mins.	<u>42</u> M
D Initial Closed-in Pressure	<u>210</u> P.S.I.	<u>45</u> Mins.	<u>45</u> M
E Second Initial Flow Pressure	<u>66</u> P.S.I.	<u>60</u> Mins.	<u>57</u> M
F Second Final Flow Pressure	<u>66</u> P.S.I.		
G Final Closed-in Pressure	<u>368</u> P.S.I.		
H Final Hydrostatic Mud	<u>2596</u> P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In	
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>14</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>89</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>62</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>66</u>
P 2		<u>3</u>	<u>69</u>	<u>3</u>	<u>68</u>
P 3		<u>6</u>	<u>77</u>	<u>6</u>	<u>76</u>
P 4		<u>9</u>	<u>85</u>	<u>9</u>	<u>89</u>
P 5		<u>12</u>	<u>97</u>	<u>12</u>	<u>105</u>
P 6		<u>15</u>	<u>108</u>	<u>15</u>	<u>122</u>
P 7	<u>62</u>	<u>18</u>	<u>122</u>	<u>18</u>	<u>136</u>
P 8		<u>21</u>	<u>134</u>	<u>21</u>	<u>155</u>
P 9		<u>24</u>	<u>146</u>	<u>24</u>	<u>174</u>
P 10		<u>27</u>	<u>157</u>	<u>27</u>	<u>191</u>
P 11		<u>30</u>	<u>167</u>	<u>30</u>	<u>207</u>
P 12		<u>33</u>	<u>180</u>	<u>33</u>	<u>225</u>
P 13		<u>36</u>	<u>191</u>	<u>36</u>	<u>241</u>
P 14		<u>39</u>	<u>202</u>	<u>39</u>	<u>259</u>
P 15		<u>42</u>	<u>210</u>	<u>42</u>	<u>278</u>
P 16		<u>45</u>		<u>45</u>	<u>296</u>
P 17		<u>48</u>		<u>48</u>	<u>312</u>
P 18		<u>51</u>		<u>51</u>	<u>332</u>
P 19		<u>54</u>		<u>54</u>	<u>350</u>
P 20		<u>57</u>		<u>57</u>	<u>368</u>
		<u>60</u>		<u>60</u>	

TKT # 18240

I



Company Lee Banks Oil Company Lease & Well No. #2-31 Moberley
 Elevation --- Formation Mississippi Effective Pay -- Ft. Ticket No. 18240
 Date 11/20/82 Sec. 31 Twp. 30S Range 17W County Kiowa State Kansas
 Test Approved by Scott Banks Western Representative Mike Rogers

Formation Test No. 2 Interval Tested from 5050 ft. to 5066 ft. Total Depth 5066 ft.
 Packer Depth 5045 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 5050 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 5053 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 5057 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor D. R. Lauck Drilling Rig #1 Drill Collar Length 208 I. D. 2.2 in.
 Mud Type chemical Viscosity 83 Weight Pipe Length - I. D. - in.
 Weight 9.8 Water Loss 16 cc. Drill Pipe Length 4812 I. D. 3.8 in.
 Chlorides 20,000 P.P.M. Test Tool Length 30 ft. Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number 3660 Anchor Length 16 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 in.

Blow: Good building to strong then depleating to six inches on initial flow period. Good nine inch blow depleating to one inch on final flow period.

Recovered 600 ft. of very slight gas odor in pipe
 Recovered 45 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s)	<u>8:30</u>	<u>A.M.</u>	Time Started Off Bottom	<u>11:30</u>	<u>A.M.</u>	Maximum Temperature	<u>127°</u>
Initial Hydrostatic Pressure		<u>P.M.</u>	(A)	<u>2691</u>			<u>P.S.I.</u>
Initial Flow Period			(B)	<u>30</u>		<u>62</u>	<u>P.S.I. to (C) P.S.I.</u>
Initial Closed In Period			(D)	<u>42</u>			<u>P.S.I.</u>
Final Flow Period			(E)	<u>45</u>		<u>66</u>	<u>P.S.I. to (F) P.S.I.</u>
Final Closed In Period			(G)	<u>57</u>			<u>P.S.I.</u>
Final Hydrostatic Pressure			(H)	<u>2596</u>			<u>P.S.I.</u>

WESTERN TESTING CO., INC.
Pressure Data

Date 11/20/82 Recorder No. 1566 Capacity 4300 Test Ticket No. 18240
 Location 5053 Ft. Elevation -- Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2691	P.S.I.	8:30P	M
B First Initial Flow Pressure	62	P.S.I.	30	Mins.
C First Final Flow Pressure	62	P.S.I.	45	Mins.
D Initial Closed-in Pressure	210	P.S.I.	45	Mins.
E Second Initial Flow Pressure	66	P.S.I.	60	Mins.
F Second Final Flow Pressure	66	P.S.I.		
G Final Closed-in Pressure	368	P.S.I.		
H Final Hydrostatic Mud	2596	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	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	6	of 3 mins. and a	14	of 5 mins. and a	9	of 3 mins. and a	19
	final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	0	62	0	62	0	66	0	66
P 2	5	62	3	69	5	66	3	68
P 3	10	62	6	77	10	66	6	76
P 4	15	62	9	85	15	66	9	89
P 5	20	62	12	97	20	66	12	105
P 6	25	62	15	108	25	66	15	122
P 7	30	62	18	122	30	66	18	136
P 8			21	134	35	66	21	155
P 9			24	146	40	66	24	174
P10			27	157	45	66	27	191
P11			30	167			30	207
P12			33	180			33	225
P13			36	191			36	241
P14			39	202			39	259
P15			42	210			42	278
P16							45	296
P17							48	312
P18							51	332
P19							54	350
P20							57	368



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 18241

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

Elevation _____ Formation Miss Eff. Pay _____ Ft.

District Pratt Date 11-21-87 Customer Order No. _____

COMPANY NAME Lee Banks Oil Company Route 550

ADDRESS 200 W Douglas Wichita, Ks 67202

LEASE AND WELL NO. Mobely #2-31 COUNTY Kiowa STATE Ks. Sec. 31 Twp. 30 Rge. 17 W

Mail Invoice To #2-31 MOBERLEY No. Copies Requested _____

Co. Name Address No. Copies Requested _____

Mail Charts To Address No. Copies Requested _____

Formation Test No. 3 Interval Tested From 5080 ft. to 5095 ft. Total Depth 5095 ft.

Packer Depth 5075 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 5080 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5083 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 5087 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor DR Leuck Rig/ Drill Collar Length 208' I. D. 2.2 in.

Mud Type Chemical Viscosity 48 Weight Pipe Length _____ I. D. _____ in.

Weight 9.5 Water Loss 13.6 cc. Drill Pipe Length 4842' I. D. 3.8 in.

Chlorides 18,000 P.P.M. Test Tool Length 30' ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 3660 Anchor Length 15' 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 in.

Blow: WK 2 inch depleting to Very Very WK. F.F.P.

WK 1/4 inch depleting to almost dead F.F.P.

Recovered 125 ft. of Slightly gas cut d. lg. mud -

Recovered _____ ft. of _____

Remarks: Tool Slid 5' To Bottom!

Time On Location 9:30 A.M. Time Pick Up Tool 10:45 A.M. Time Off Location _____ P.M.

Time Set Packer(s) 12:30 P.M. Time Started Off Bottom 2:30 P.M. Maximum Temperature 126 deg

Initial Hydrostatic Pressure (A) 2613 P.S.I.

Initial Flow Period Minutes 30 (B) 54 P.S.I. to (C) 75 P.S.I.

Initial Closed In Period Minutes 30 (D) 1269 P.S.I.

Final Flow Period Minutes 30 (E) 75 P.S.I. to (F) 108 P.S.I.

Final Closed In Period Minutes 30 (G) 1302 P.S.I.

Final Hydrostatic Pressure (H) 2591 P.S.I.

COMPANY TERMS

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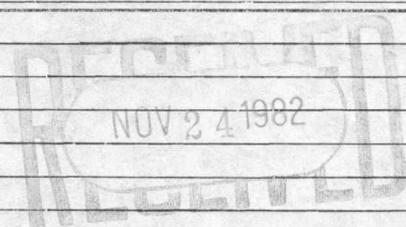
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By: [Signature] Signature of Customer or his authorized representative

Western Representative: Mike Rogers Thanks Again!

FIELD INVOICE

Table with 2 columns: Item and Price. Items include Open Hole Test (\$400.00), Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL (\$765.00).



WESTERN TESTING CO., INC.

Pressure Data

Date 11-21

Test Ticket No. 18241

Recorder No. 1566

Capacity 4300

Location 5083

Clock No. ---

Elevation ---

Well Temperature 126

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2636</u> P.S.I.	<u>12:30 P</u> M	
B First Initial Flow Pressure	<u>Plugged</u> P.S.I.	<u>30</u> Mins.	<u>40</u> Mins.
C First Final Flow Pressure	<u>Plugged</u> P.S.I.	<u>30</u> Mins.	<u>21</u> Mins.
D Initial Closed-in Pressure	<u>1283</u> P.S.I.	<u>30</u> Mins.	<u>35</u> Mins.
E Second Initial Flow Pressure	<u>Plugged</u> P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>Plugged</u> P.S.I.		
G Final Closed-in Pressure	<u>1296</u> P.S.I.		
H Final Hydrostatic Mud	<u>2610</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 8 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: 7 Inc.
of 5 mins. and a
final inc. of 0 Min.

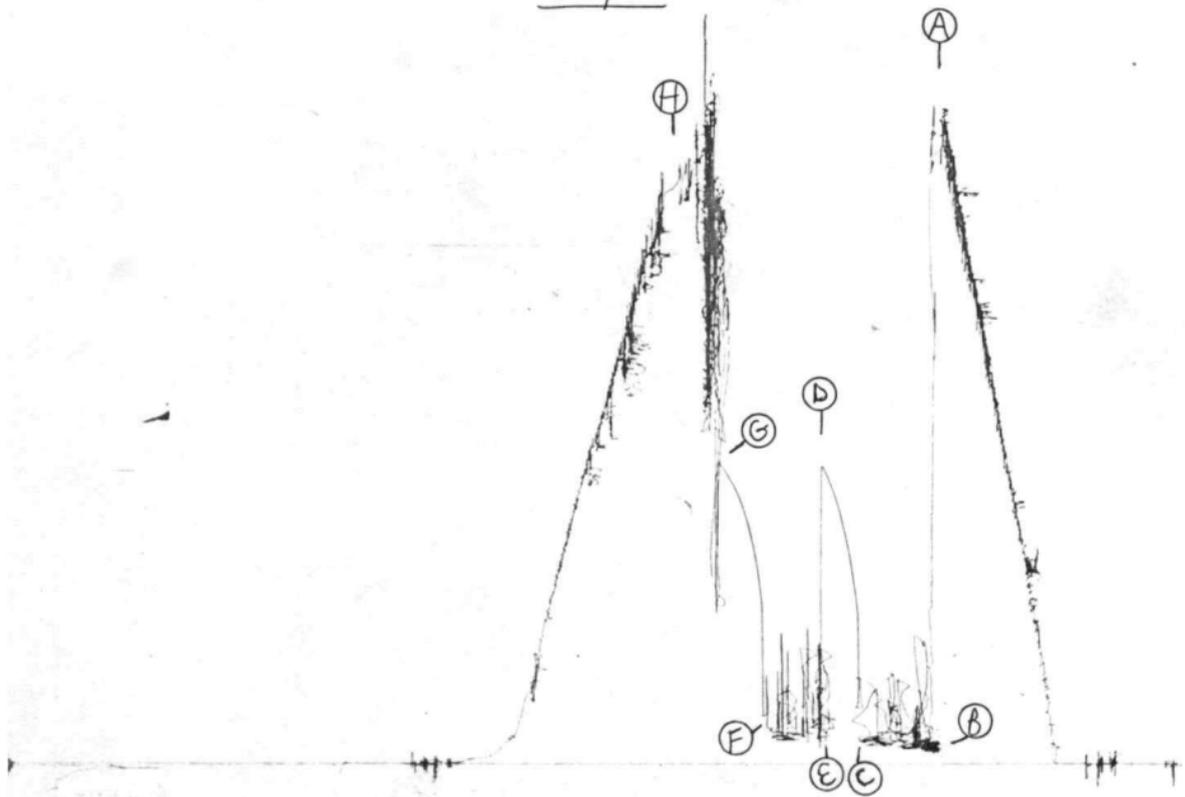
Final Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>Plugged</u>	0	<u>Plugged</u>	0	<u>Plugged</u>	0	<u>Plugged</u>
P 2 5		3	<u>826</u>	5		3	<u>837</u>
P 3 10		6	<u>948</u>	10		6	<u>955</u>
P 4 15		9	<u>1039</u>	15		9	<u>1045</u>
P 5 20		12	<u>1122</u>	20		12	<u>1111</u>
P 6 25		15	<u>1189</u>	25		15	<u>1169</u>
P 7 30		18	<u>1244</u>	30		18	<u>1215</u>
P 8 35		21	<u>1283</u>	35	<u>Plugged</u>	21	<u>1251</u>
P 9 40	<u>Plugged</u>	24		40		24	<u>1284</u>
P10 45		27		45		27	<u>1296</u>
P11 50		30		50		30	
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

1566

TKT # 18241

I



Company Lee Banks Oil Company Lease & Well No. #2-31 Moberley
 Elevation --- Formation Mississippi Effective Pay -- Ft. Ticket No. 18241
 Date 11/21/82 Sec. 31 Twp. 30S Range 17W County Kiowa State Kansas
 Test Approved by Scott Banks Western Representative Mike Rogers

Formation Test No. 3 Interval Tested from 5080 ft. to 5095 ft. Total Depth 5095 ft.
 Packer Depth 5075 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 5080 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5083 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 5087 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor D. R. Lauck Drilling Rig #1 Drill Collar Length 208 I. D. 2.2 in.
 Mud Type chemical Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 13.6 cc. Drill Pipe Length 4842 I. D. 3.8 in.
 Chlorides 18,000 P.P.M. Test Tool Length 30 ft. Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number 3660 Anchor Length 15 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 in.

Blow: Weak two inch blow depleting to very very weak on initial flow period. Weak one fourth inch blow depleting to almost dead on final flow period.

Recovered 125 ft. of slightly gas cut drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: Tool slid five feet to bottom. MISRUN

Time Set Packer(s) 12:30 ~~A.M.~~ P.M. Time Started Off Bottom 2:30 ~~A.M.~~ P.M. Maximum Temperature 126°
 Initial Hydrostatic Pressure 2636 P.S.I. (A)
 Initial Flow Period 40 Minutes (B) PLUGGED P.S.I. to (C) PLUGGED P.S.I.
 Initial Closed In Period 21 Minutes (D) 1283 P.S.I.
 Final Flow Period 35 Minutes (E) PLUGGED P.S.I. to (F) PLUGGED P.S.I.
 Final Closed In Period 27 Minutes (G) 1296 P.S.I.
 Final Hydrostatic Pressure 2610 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 11/21/82

Test Ticket No. 18241

Recorder No. 1566 Capacity 4300

Location 5083 Ft.

Clock No. --- Elevation ---

Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>2636</u> P.S.I.	Open Tool	<u>12:30P</u>	<u>M</u>
B. First Initial Flow Pressure	<u>PLUGGED</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>40</u> Mins.
C. First Final Flow Pressure	<u>PLUGGED</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>21</u> Mins.
D. Initial Closed-in Pressure	<u>1283</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
E. Second Initial Flow Pressure	<u>PLUGGED</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F. Second Final Flow Pressure	<u>PLUGGED</u> P.S.I.			
G. Final Closed-in Pressure	<u>1296</u> P.S.I.			
H. Final Hydrostatic Mud	<u>2610</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	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.							
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 <u>0</u>	<u>PLUGGED</u>	<u>0</u>	<u>PLUGGED</u>	<u>0</u>	<u>PLUGGED</u>	<u>0</u>	<u>PLUGGED</u>	
P 2 <u>5</u>	<u>PLUGGED</u>	<u>3</u>	<u>826</u>	<u>5</u>	<u>PLUGGED</u>	<u>3</u>	<u>837</u>	
P 3 <u>10</u>	<u>PLUGGED</u>	<u>6</u>	<u>948</u>	<u>10</u>	<u>PLUGGED</u>	<u>6</u>	<u>955</u>	
P 4 <u>15</u>	<u>PLUGGED</u>	<u>9</u>	<u>1039</u>	<u>15</u>	<u>PLUGGED</u>	<u>9</u>	<u>1043</u>	
P 5 <u>20</u>	<u>PLUGGED</u>	<u>12</u>	<u>1122</u>	<u>20</u>	<u>PLUGGED</u>	<u>12</u>	<u>1111</u>	
P 6 <u>25</u>	<u>PLUGGED</u>	<u>15</u>	<u>1189</u>	<u>25</u>	<u>PLUGGED</u>	<u>15</u>	<u>1169</u>	
P 7 <u>30</u>	<u>PLUGGED</u>	<u>18</u>	<u>1244</u>	<u>30</u>	<u>PLUGGED</u>	<u>18</u>	<u>1213</u>	
P 8 <u>35</u>	<u>PLUGGED</u>	<u>21</u>	<u>1283</u>	<u>35</u>	<u>PLUGGED</u>	<u>21</u>	<u>1251</u>	
P 9 <u>40</u>	<u>PLUGGED</u>					<u>24</u>	<u>1284</u>	
P10						<u>27</u>	<u>1296</u>	
P11								
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								