Company Lee Phillips Oil Company — Lease & Well No. Oak #1

Elevation 1754 Kelly Bushing — Formation Krider — Effective Pay ---- Ft. — Ticket No. 4025

Date 11/8/79 — Sec. 12 — Twp. 27S — Range 10W — County Kingman — State Kansas

Test Approved by Frank M. Brooks — Western Representative Dave Sloan

Formation Test No. 1 — Interval Tested from 1563 ft. to 1615 ft. — Total Depth 1615 ft.

Packer Depth 1558 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 1563 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 1575 ft. — Recorder Number 5673 — Cap. 5400

Bottom Recorder Depth (Outside) 1578 ft. — Recorder Number 6246 — Cap. 5200

Below Straddle Recorder Depth - ft. — Recorder Number - — Cap. -

Drilling Contractor Merckle Drilling Co. #1 — Drill Collar Length - — I. D. - in.

Mud Type starch — Viscosity 37 — Weight Pipe Length 442 — I. D. 3.2 in.

Weight 9.1 — Water Loss 18.2 cc. — Drill Pipe Length 1101 — I. D. 3.8 in.

Chlorides 32,000 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½OD in.

Jars: Make -- — Serial Number -- — Anchor Length 31 W.P. 52 ft. — Size 5½OD 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. — Tool Joint Size 4½XH in.

Blow: Weak;dying in twenty minutes on initial flow period. Gas to surface fifteen minutes on final flow period. See gas sheet attached for gas measurements.

Recovered 60 ft. of gas cut drilling mud

Recovered ____ ft. of

Recovered ____ ft. of

Recovered ____ ft. of

Recovered ____ ft. of

Remarks: Weight indicator wrong. tool was not open completly at start of initial flow period.

Time Set Packer(s) 6:40 ~~A.M.~~ ~~P.M.~~ — Time Started Off Bottom 9:10 ~~A.M.~~ ~~P.M.~~ — Maximum Temperature 82°

Initial Hydrostatic Pressure ..... (A) 773 P.S.I.

Initial Flow Period ..... Minutes 15 (B) 40 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 500 P.S.I.

Final Flow Period ..... Minutes 30 (E) 33 P.S.I. to (F) 33 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 500 P.S.I.

Final Hydrostatic Pressure ..... (H) 727 P.S.I.

GAS FLOW REPORT

Date 11/8/79 Ticket 4025 Company Lee Phillips Oil Company

Well Name and No. Oak #1 Dst No. 1 Interval Tested 1563'-1615'

County Kingman State Kansas Sec. 12 Twp. 27S Rg. 10W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
SECOND FLOW						
	20 min.	8" of water	1/2" orifice			17,200 CFPD
	30 min.	8" of water	1/2" orifice			17,200 CFPD

GAS BOTTLE

Serial No. ---- Date Bottle Filled ----- Date to be Invoiced 11/8/79

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Lee Phillips Oil Co.

Authorized by Frank M. Brooks

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 11-8-79 Test Ticket No. 4025

Recorder No. 5673 Capacity 5400 Location 1575 Ft.

Clock No. Elevation 1754 Kelly Bushing Well Temperature 82 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	773 P.S.I.	Open Tool	6:40A M	
B First Initial Flow Pressure	40 P.S.I.	First Flow Pressure	30 Mins.	15 Mins.
C First Final Flow Pressure	40 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	500 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	33 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	33 P.S.I.			
G Final Closed-in Pressure	500 P.S.I.			
H Final Hydrostatic Mud	727 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: 10 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: 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 0	40	0	40	0	33	0	33
P 2 5	40	3	74	5	33	3	336
P 3 10	40	6	150	10	33	6	445
P 4 15	40	9	227	15	33	9	473
P 5		12	322	20	33	12	481
P 6		15	396	25	33	15	489
P 7		18	445	30	33	18	495
P 8		21	473			21	500
P 9		24	486			24	500
P10		27	492			27	500
P11		30	500			30	500
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

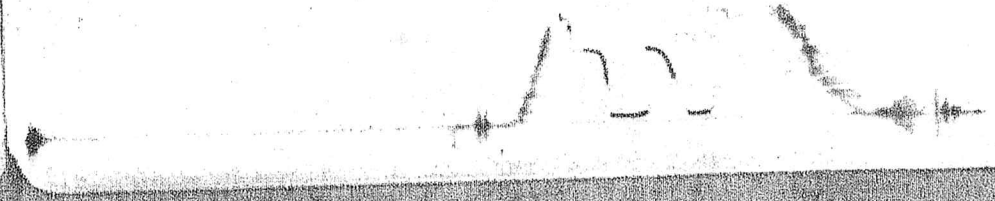
6246

L.E. phillips oil co.
OAKLEY
DST 1

5673

L.E. phillips oil co.
OAKLEY
DST #1

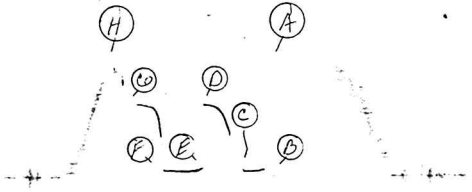




5673

L.E. phillips oil co.
OAK #1
DST #1

IKt #4025
I



Company: Lee Phillips Oil Company — Lease & Well No.: Oak #1

Elevation: Est.1754 Kelly Bushing — Formation: Kansas City — Effective Pay: --- Ft. — Ticket No.: 3858

Date: 11/12/79 — Sec.: 12 — Twp.: 27S — Range: 10W — County: Kingman — State: Kansas

Test Approved by: Frank M. Brooks — Western Representative: Roger Lisenby

Formation Test No.: 2 — Interval Tested from: 3772 ft. to: 3795 ft. — Total Depth: 3795 ft.

Packer Depth: 3767 ft. — Size: 6 3/4 in. — Packer Depth: 3772 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): 3786 ft. — Recorder Number: 1051 — Cap.: 4250

Bottom Recorder Depth (Outside): 3789 ft. — Recorder Number: 969 — Cap.: 4200

Below Straddle Recorder Depth: - ft. — Recorder Number: - — Cap.: -

Drilling Contractor: Merckle Drilling Co. — Drill Collar Length: - — I. D.: - in.

Mud Type: starch — Viscosity: 48 — Weight Pipe Length: 442 — I. D.: 2.7 in.

Weight: 9.6 — Water Loss: 8.2 cc. — Drill Pipe Length: 3309 — I. D.: 3.8 in.

Chlorides: 25,000 P.P.M. — Test Tool Length: 21 ft. — Tool Size: 4 3/4 in.

Jars: Make: -- — Serial Number: -- — Anchor Length: 23 ft. — Size: 5½ 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: 4½XH in.

Blow: Good blow, increasing to twelve inches in bucket first opening. Good blow, increasing to five inches in bucket second opening.

Recovered: 150 ft. of fluid. Gas and slightly oil cut 6% oil;94% mud No water

Recovered: ____ ft. of

Recovered: ____ ft. of

Recovered: ____ ft. of

Recovered: ____ ft. of

Remarks:

Time Set Packer(s): 4:10 ~~A.M.~~ P.M. — Time Started Off Bottom: 7:12 ~~A.M.~~ P.M. — Maximum Temperature: 123°

Initial Hydrostatic Pressure			(A)	1940	P.S.I.	
Initial Flow Period	Minutes 45	(B)	75	P.S.I. to (C)	67	P.S.I.
Initial Closed In Period	Minutes 48	(D)	120	P.S.I.		
Final Flow Period	Minutes 45	(E)	97	P.S.I. to (F)	87	P.S.I.
Final Closed In Period	Minutes 45	(G)	127	P.S.I.		
Final Hydrostatic Pressure			(H)	1878	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 11/12/79 Test Ticket No. 3858

Recorder No. 1051 Capacity 4250 Location 3786 Ft.

Clock No. --- Elevation Est. 1754 Kelly Bushing Well Temperature 123 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1940	P.S.I.
B	First Initial Flow Pressure	75	P.S.I.
C	First Final Flow Pressure	67	P.S.I.
D	Initial Closed-in Pressure	120	P.S.I.
E	Second Initial Flow Pressure	97	P.S.I.
F	Second Final Flow Pressure	87	P.S.I.
G	Final Closed-in Pressure	127	P.S.I.
H	Final Hydrostatic Mud	1878	P.S.I.

	Time Given	Time Computed
Open Tool	4:10P M	
First Flow Pressure	45 Mins.	45 Mins.
Initial Closed-in Pressure	45 Mins.	48 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	45 Mins.	45 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	75
P 2 5	75
P 3 10	80
P 4 15	67
P 5 20	67
P 6 25	67
P 7 30	67
P 8 35	67
P 9 40	67
P10 45	67
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	67
3	67
6	67
9	67
12	67
15	67
18	70
21	74
24	79
27	82
30	86
33	92
36	98
39	104
42	110
45	116
48	120

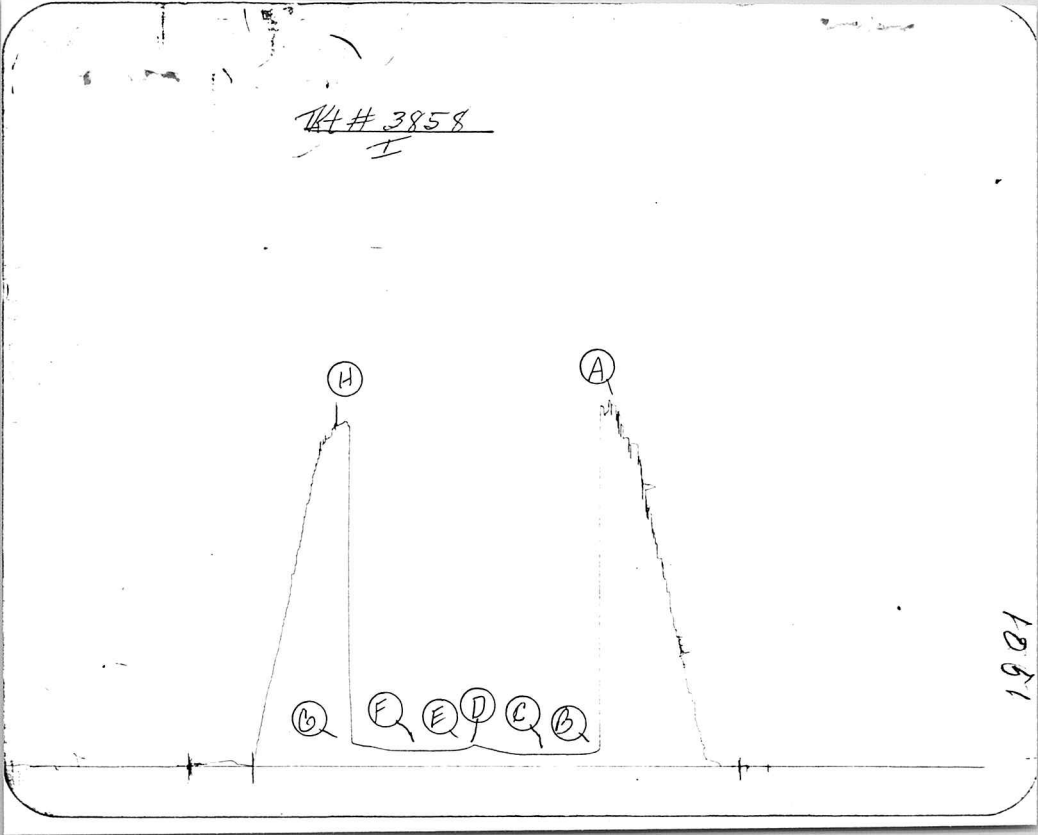
Second Flow Pressure
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	97
5	97
10	90
15	88
20	87
25	87
30	87
35	87
40	87
45	87

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

Point Minutes	Press.
0	87
3	87
6	87
9	87
12	87
15	90
18	95
21	99
24	103
27	107
30	111
33	113
36	116
39	121
42	124
45	127

TH # 3858



1901

Company Lee Phillips Oil Company Lease & Well No. Oak #1

Elevation #st. 1754 Kelly Bushing Formation Kansas City Effective Pay ---- Ft. Ticket No. 3859

Date 11/13/79 Sec. 12 Twp. 27S Range 10W County Kingman State Kansas

Test Approved by Frank M. Brooks Western Representative Roger Lisenby

Formation Test No. 3 Interval Tested from 3806 ft. to 3853 ft. Total Depth 3853 ft.

Packer Depth 3801 ft. Size 6 3/4 in. Packer Depth 3806 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) 3846 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 3849 ft. Recorder Number 969 Cap. 4200

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

Drilling Contractor Merckle Drilling Co. Drill Collar Length -- I. D. -- in.

Mud Type starch Viscosity 47 Weight Pipe Length 410 I. D. 2.7 in.

Weight 9.4 Water Loss 12.0 cc. Drill Pipe Length 3375 I. D. 3.8 in.

Chlorides 27,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.

Jars: Make -- Serial Number -- Anchor Length 47 ft. Size 5½ -with one JT WT pipe 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. Tool Joint Size 4½XH in.

Blow: Weak blow throughout first opening. Very weak blow;died in nineteen minutes of second opening.

Recovered 60 ft. of slightly oil and gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:26 A.M. P.M. Time Started Off Bottom 2:29 A.M. P.M. Maximum Temperature 123°

Initial Hydrostatic Pressure (A) 2023 P.S.I.

Initial Flow Period Minutes 45 (B) 88 P.S.I. to (C) 74 P.S.I.

Initial Closed In Period Minutes 45 (D) 133 P.S.I.

Final Flow Period Minutes 45 (E) 101 P.S.I. to (F) 89 P.S.I.

Final Closed In Period Minutes 45 (G) 108 P.S.I.

Final Hydrostatic Pressure (H) 1980 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11/13/79 Test Ticket No. 3859

Recorder No. 1051 Capacity 4250 Location 3846 Ft.

Clock No. -- Elevation Est. 1754 Kelly Bushing Well Temperature 123 °F

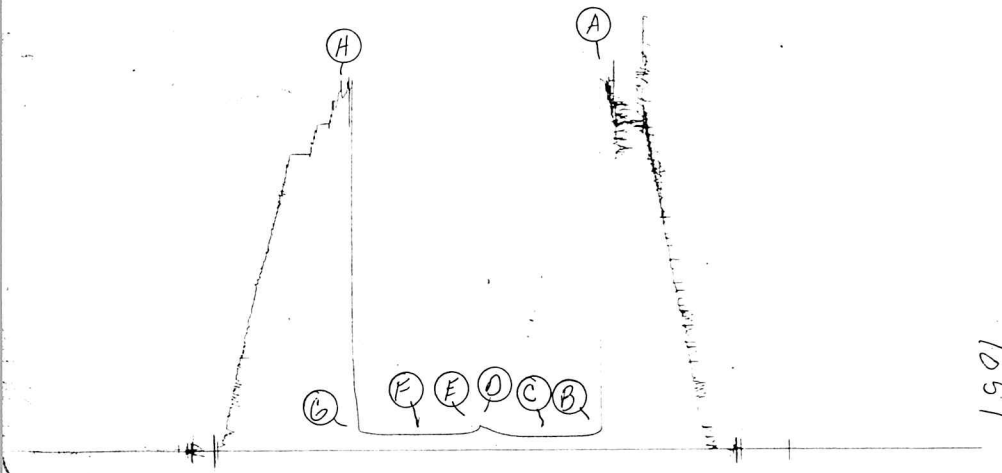
Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2023 P.S.I.	Open Tool	11:26A M	
B	First Initial Flow Pressure	88 P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C	First Final Flow Pressure	74 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	133 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	101 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	89 P.S.I.			
G	Final Closed-in Pressure	108 P.S.I.			
H	Final Hydrostatic Mud	1980 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 9 Inc.		Breakdown: 15 Inc.		Breakdown: 9 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.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	88	0	74	0	101	0	89
P 2 5	88	3	74	5	101	3	89
P 3 10	80	6	74	10	92	6	89
P 4 15	76	9	74	15	90	9	89
P 5 20	74	12	74	20	89	12	89
P 6 25	74	15	74	25	89	15	89
P 7 30	74	18	77	30	89	18	89
P 8 35	74	21	80	35	89	21	89
P 9 40	74	24	83	40	89	24	89
P10 45	74	27	88	45	89	27	89
P11		30	92			30	89
P12		33	99			33	93
P13		36	110			36	97
P14		39	118			39	101
P15		42	125			42	105
P16		45	133			45	108
P17							
P18							
P19							
P20							

WTC - 4

HC #3859
I



1051