SUPERIOR TESTERS

368 West Second, Hoisington, Kansas

COMPANY Ladd Petroleum Corp. STATE Kansas COUNTY Harper

LEASE & WELL NO. Albright # 1 ELEVATION 1533 K.B. DATE 4/24/1983 FORMATION TESTED Mississippi

SEC 6 TWP 32 RANGE 8 INTERVAL TESTED 4427 TO 4441 TOTAL DEPTH 4441

TEST NO. 1 O.K. yes TOP PACKER DEPTH 4422 FT. BOTTOM PACKER DEPTH 4427 FT. PACKER SIZE 6 3/4

STRADDLE no CONV yes TOOL SIZE 5 1/2 O.D. TOOL JOINT SIZE 4 1/2 F.H. ANCHOR LENGTH 14 FT.

HOLE SIZE 7 7/8 EXTRA EQUIPMENT Jars Joint SURFACE CHOKE SIZE 1/2 IN. BOTTOM CHOKE SIZE 1/2 IN.

REVERSED OUT no VICOSITY 51 WEIGHT 9.4 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no

DRILLING CONTRACTOR Red Tiger Rig # 1

TOOL JOINT SIZE 4 1/2 X.H. IN. LENGTH DRILL PIPE 3310 FT. I.D. DRILL PIPE 3.80 IN.

TOOL JOINT SIZE 4 1/2 X.H. IN. LENGTH WEIGHT PIPE 1091 FT. I.D. WEIGHT PIPE 2.75 IN.

TOOL JOINT SIZE -- IN. LENGTH DRILL COLLARS -- FT. I.D. DRILL COLLARS -- IN.

TOOL OPEN I.F.P. FROM 9:30 p m to 10:00 p m -- Hr. 30 min From (B) 59 P.S.I. to (C) 69 P.S.I.

TOOL CLOSED I.C.I.P. FROM 10:00 p m to 11:00 p -- Hr. 60 min (D) 974 P.S.I.

TOOL OPEN F.F.P. FROM 11:00 p m to 12:30 a m -- Hr. 90 min From (E) 69 P.S.I. to (F) 108 P.S.I.

TOOL CLOSED F.C.I.P. FROM 12:30 p m to 2:30 a m -- Hr. 120 min (G) 1140 P.S.I.

INITIAL HYDROSTATIC PRESSURE (A) 1864 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 1834 MAXIMUM TEMPERATURE 128 °F

BLOW Strong blow throug out test

RECOVERY - TOTAL FEET 280

RECOVERED 280 FEET OF Gassy Water, Chlorides 36,000 top sample R.W.:.13 @ 75

RECOVERED ____ FEET OF 6,900 lower sample R.W.: .08 @ 75

RECOVERED ____ FEET OF Gas to surface in 19 minutes

RECOVERED ____ FEET OF 1st opening

RECOVERED ____ FEET OF 20 min.-14,000 CF/24 hrs.-1 inch water-3/4 orfice

RECOVERED ____ FEET OF 30 min.-19,000 CF/24 hrs.-2 inchewater-3/4 orfice

RECOVERED ____ FEET OF 2nd opening

RECOVERED ____ FEET OF 10 min. -33,000 CF/hrs.-5½-water-3/4 orfice

RECOVERED ____ FEET OF 20 min. -34,500 CF/hrs.-6 water-3/4 orfice

RECOVERED ____ FEET OF 30 min. -37,300 CF/hrs.-7 water -3/4 orfice

RECOVERED ____ FEET OF 40 min. -37,300 CF/hrs.-7 water-3/4 orfice

RECOVERED ____ FEET OF 50 min. -37,300 CF/hrs.-7 water-3/4 orfice

RECOVERED ____ FEET OF 60 min. -38,500 CF/hrs.-7½ water-3/4 orfice

REMARKS 70 min. -39,800 CF/hrs.88 water-3/4 orfice

80 min. -39,800 CF/hrs.-8 water-3/4 orfice

90 min. -41,000 CF/hrs.-8¼ water-3/4 orfice

TICKET NO. 6925

WITNESSED BY D.R. Sommer & D.M. Ryan TOOL OPERATOR Bob Johnson

SUPERIOR TESTERS INC.
368 West 2nd St.
Hoisington, Kansas 67544

State Geological Survey
WICHITA BRANCH

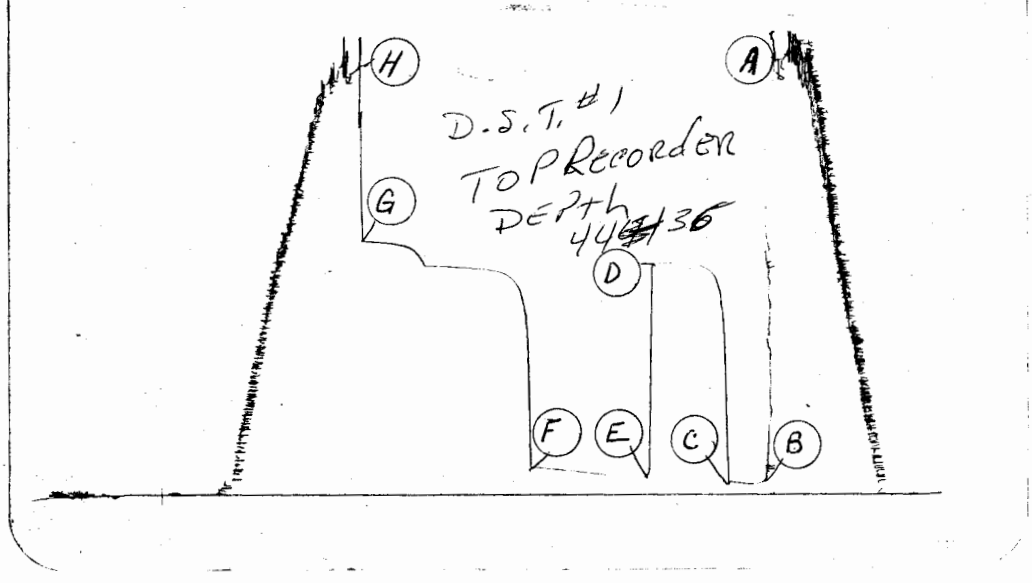
PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: 6 Inc.	Breakdown: 12 Inc.	Breakdown: 17 Inc.	Breakdown: 25 Inc.
of 5 mins. and a	of 5 mins. and a	of 5 mins. and a	of 5 mins. and a
final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 3 Min.	final inc. of 0 Min.
Time Given: 30 Mins.	Time Given: 60 Mins.	Time Given: 90 Mins.	Time Given: 120 Mins.
Time Computed: 30 Mins.	Time Computed: 60 Mins.	Time Computed: 88 Mins.	Time Computed: 125 Mins.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	79	0	69	0	98	0	146
P 2 5	57	5	819	5	84	5	919
P 3 10	55	10	1080	10	84	10	1054
P 4 15	57	15	1143	15	86	15	1108
P 5 20	59	20	1163	20	90	20	1130
P 6 25	63	25	1175	25	94	25	1142
P 7 30	69	30	1178	30	100	30	1149
P 8		35	1180	35	106	35	1155
P 9		40	1182	40	108	40	1157
P10		45	1182	45	114	45	1161
P11		50	1182	50	118	50	1163
P12		55	1182	55	122	55	1165
P13		60	1182	60	126	60	1167
P14				65	130	65	1167
P15				70	134	70	1167
P16				75	138	75	1167
P17				80	142	80	1167
P18				85	144	85	1237
P19				88	146	90	1260
P20						95	1274
P21						100	1280
P22						105	1285
P23						110	1291
P24						115	1293
P25						120	1295
						125	1295

D.S.T. #1 Mississippi 4427-4441 recorder depth 4436

13208 DST# 6925



SUPERIOR TESTERS

368 West Second, Hoisington, Kansas

COMPANY Ladd Petroleum Corp. STATE Kansas COUNTY Harper

LEASE & WELL NO. Albright # 1 ELEVATION 1533 K.B. DATE 4/25/83 FORMATION TESTED Kansas City

SEC 6 TWP 32 RANGE 8 INTERVAL TESTED 4120 TO 4140 TOTAL DEPTH 4540

TEST NO. 2 O.K. yes TOP PACKER DEPTH 4120 FT. BOTTOM PACKER DEPTH 4140 FT. PACKER SIZE 6 3/4

STRADDLE yes CONV no TOOL SIZE 5 1/2 O.D. TOOL JOINT SIZE 4 1/2 F.H. ANCHOR LENGTH 20 FT.

HOLE SIZE 7 7/8 EXTRA EQUIPMENT Jars, Safety Joint, Straddle SURFACE CHOKE SIZE 1/2 IN. BOTTOM CHOKE SIZE 1/2 IN.

REVERSED OUT no VICOSITY 120 WEIGHT Sampler 9.5 DUAL PACKERS no DID PACKER HOLD yes DID TOOL PLUG no

DRILLING CONTRACTOR Red tiger Rig # 1

TOOL JOINT SIZE 4 1/2 X.H. IN. LENGTH DRILL PIPE 3648 FT. I.D. DRILL PIPE 3.80 IN.

TOOL JOINT SIZE 4 1/2 X.H. IN. LENGTH WEIGHT PIPE 711 FT. I.D. WEIGHT PIPE 2.25 IN

TOOL JOINT SIZE --- IN. LENGTH DRILL COLLARS --- FT. I.D. DRILL COLLARS --- IN.

TOOL OPEN I.F.P. FROM 3:30 a m to 4:00 a m --- Hr. 30 min From (B) 42 P.S.I. to (C) 42 P.S.I.

TOOL CLOSED I.C.I.P. FROM 4:00 a m to 5:00 a --- Hr. 60 min (D) 1320 P.S.I.

TOOL OPEN F.F.P. FROM 5:00 a m to 6:00 a m --- Hr. 60 min From (E) 73 P.S.I. to (F) 79 P.S.I.

TOOL CLOSED F.C.I.P. FROM 6:00 a m to 7:30 a m --- Hr. 90 min (G) 1143 P.S.I.

INITIAL HYDROSTATIC PRESSURE (A) 2171 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 2135 MAXIMUM TEMPERATURE 118 °F

BLOW Weak built to 3 inches into water 1st opening
weak built to 1 ½ inches into water in 45 min. then steady through out rest of 2nd

RECOVERY - TOTAL FEET 150

RECOVERED 150 FEET OF Muddy Water

RECOVERED ____ FEET OF Sampler: 1650c.c. of total fluid recovered

RECOVERED ____ FEET OF 1130c.c. Of mud

RECOVERED ____ FEET OF 520c.c. of water, chlorides 50,000 fpom D.S.

RECOVERED ____ FEET OF from mud system 23,000

RECOVERED ____ FEET OF

RECOVERED ____ FEET OF

RECOVERED ____ FEET OF

RECOVERED ____ FEET OF

RECOVERED ____ FEET OF

RECOVERED ____ FEET OF

RECOVERED ____ FEET OF

REMARKS

TICKET NO 5594

WITNESSED BY D.R. Sommers & D.M. Ryan TOOL OPERATOR Craig Bucl

SUPERIOR TESTERS INC.
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Hoisington, Kansas 67544

State Geological Survey
WICHITA BRANCH

PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: 6 Inc.	Breakdown: 11 Inc.	Breakdown: 11 Inc.	Breakdown: 17 Inc.
of 5 mins. and a	of 5 mins. and a	of 5 mins. and a	of 5 mins. and a
final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 3 Min.
Time Given: 30 Mins.	Time Given: 60 Mins.	Time Given: 60 Mins.	Time Given: 90 Mins.
Time Computed: 30 Mins.	Time Computed: 55 Mins.	Time Computed: 55 Mins.	Time Computed: 88 Mins.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	69	0	44	0	94	0	77
P 2 5	48	5	115	5	81	5	115
P 3 10	42	10	342	10	75	10	174
P 4 15	42	15	674	15	73	15	262
P 5 20	42	20	871	20	73	20	384
P 6 25	42	25	993	25	73	25	514
P 7 30	44	30	1085	30	75	30	615
P 8		35	1141	35	75	35	699
P 9		40	1189	40	75	40	771
P10		45	1243	45	77	45	836
P11		50	1289	50	77	50	888
P12		55	1320	55	77	55	939
P13						60	976
P14						65	1008
P15						70	1045
P16						75	1070
P17						80	1095
P18						85	1122
P19						88	1139
P20							
P21							
P22							
P23							
P24							
P25							

D.S.T.#2 Kansas City 4120-4140 recorder depth 4135

Superior Testers, Inc.

Derby, Kansas (316) 788-2631 Great Bend, Kansas (316) 792-6902 Hays, Kansas (913) 628-3209

DRILL STEM TEST RECOVERY ANALYSIS

Company Ladd Petroleum Sec. 6 Twp. 32 Rge. 8

Lease albright#1 County Harper State Kansas D.S.T.# 2

Visual D.S.T. Recovery 150 Muddy Water

CENTRIFUGE PERCENTAGE ANALYSIS

Sample #	Feet of FLUID	Percent of GAS	Percent of OIL	Percent of WATER	Percent of MUD
1	90	0	0	75	25
2	60	0	0	40	60

CALCULATED FLUID RECOVERY FROM PERCENTAGES

(Formula for Calculation)

Percent of Individual Fluid x Total Footage Represented in Sample

SAMPLE #	TOTAL FOOTAGE	GAS %	×	Total	=	Feet	OIL %	×	Total	=	Feet	WATER %	×	Total	=	Feet	MUD %	×	Total	=	Feet
1	90	0	×	90	=	0	0	×	90	=	0	75	×	90	=	67.5	25	×	90	=	22.5
2	60	0	×	60	=	0	0	×	60	=	0	40	×	60	=	24.0	60	×	60	=	36.0
			×		=			×		=			×		=			×		=	
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TOTALS						0					0					91.5					58.5

Calculated D.S.T. Recovery =

Gas	0	Feet
Oil	0	Feet
Wtr.	91.5	Feet
Mud	58.5	Feet
Total Fluid	150.0	Feet

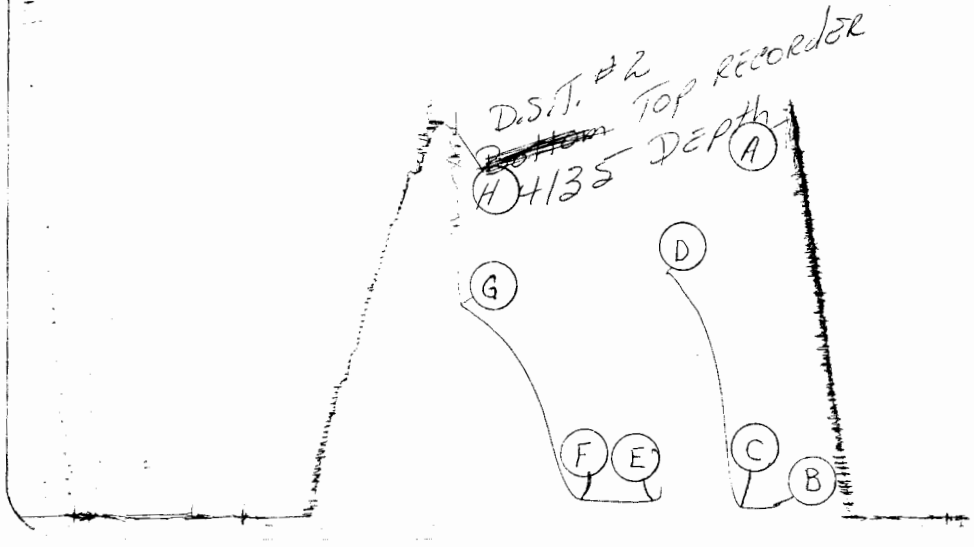
Chlorides Mud System 23,000

Chlorides D.S.T. Water 50,000

Gravity of Oil N/A

5594 13561 DST 2

State Geological Survey
WICHITA BRANCH



5544 13377 DST 2

