Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company C.L. Morris Oil Corp. Lease & Well No. Kohl #2

Elevation - Formation Lansing-Kansas City Effective Pay - Ft. Ticket No. 11733

Date 7-17-81 Sec. 18 Twp. 13S Range 20W County Ellis State Kansas

Test Approved by Toby Elster Western Representative Steve Eisenhour

Formation Test No. 1 Interval Tested from 3536 ft. to 3591 ft. Total Depth 3591 ft.

Packer Depth 3531 ft. Size 6 3/4 in. Packer Depth 3536 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) 3574 ft. Recorder Number 1564 Cap. 3150

Bottom Recorder Depth (Outside) 3577 ft. Recorder Number 4331 Cap. 4150

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

Drilling Contractor Ramco Drlg Co. (#2) Drill Collar Length 261 I. D. 2.75 in.

Mud Type Starch Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 16.0 cc. Drill Pipe Length 3254 I. D. 3.8 in.

Chlorides 55,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 31D.P.+24 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 blow for 15 minutes increasing to strong blow on initial flow period. Weak blow for 25 minutes increasing to strong blow on final flow period.

Recovered 764 ft. of muddy water - Chlorides 79,000 PPM water

Recovered ft. of Chlorides 40,000 PPM mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:10 ~~P.M.~~ A.M. Time Started Off Bottom 6:10 ~~P.M.~~ A.M. Maximum Temperature 120

Initial Hydrostatic Pressure (A) 1944 P.S.I.

Initial Flow Period Minutes 60 (B) 67 P.S.I. to (C) 274 P.S.I.

Initial Closed In Period Minutes 60 (D) 868 P.S.I.

Final Flow Period Minutes 60 (E) 286 P.S.I. to (F) 380 P.S.I.

Final Closed In Period Minutes 60 (G) 859 P.S.I.

Final Hydrostatic Pressure (H) 1936 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 7-17-81 Test Ticket No. 11733

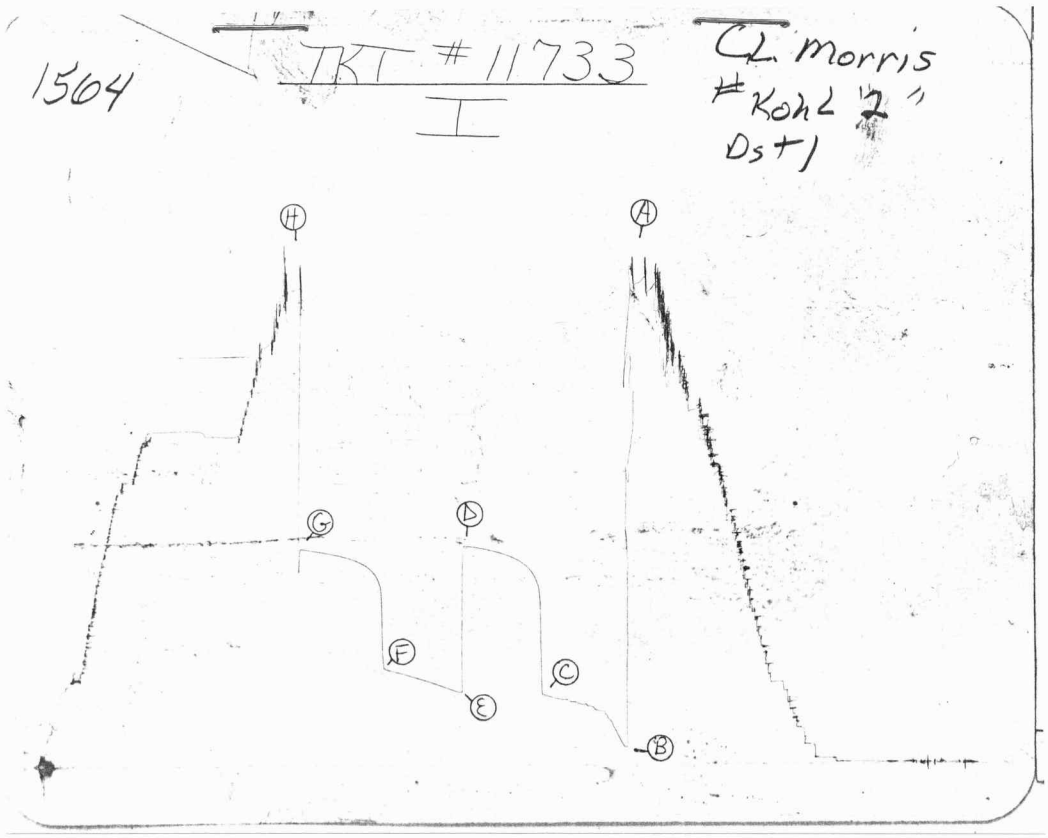
Recorder No. 1564 Capacity 3150 Location 3574 Ft.

Clock No. - Elevation - Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1944 P.S.I.	Open Tool	2:10A. M	
B First Initial Flow Pressure	67 P.S.I.	First Flow Pressure	60 Mins.	60 Mins.
C First Final Flow Pressure	274 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	868 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	286 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	380 P.S.I.			
G Final Closed-in Pressure	859 P.S.I.			
H Final Hydrostatic Mud	1936 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 12 Inc.		Breakdown: 20 Inc.		Breakdown: 12 Inc.		Breakdown: 20 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	67	0	274	0	286	0	380
P 2 5	98	3	700	5	291	3	709
P 3 10	149	6	743	10	300	6	751
P 4 15	194	9	767	15	310	9	768
P 5 20	210	12	785	20	319	12	782
P 6 25	227	15	798	25	328	15	793
P 7 30	238	18	809	30	338	18	803
P 8 35	239	21	817	35	346	21	810
P 9 40	247	24	826	40	355	24	817
P10 45	255	27	831	45	362	27	822
P11 50	258	30	838	50	370	30	827
P12 55	266	33	843	55	375	33	831
P13 60	274	36	846	60	380	36	834
P14		39	851			39	838
P15		42	854			42	841
P16		45	859			45	844
P17		48	861			48	847
P18		51	864			51	849
P19		54	865			54	853
P20		57	867			57	856
		60	868			60	859



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1936	1944	PSI
(B)	First Initial Flow Pressure	69	67	PSI
(C)	First Final Flow Pressure	272	274	PSI
(D)	Initial Closed-in Pressure	857	868	PSI
(E)	Second Initial Flow Pressure	287	286	PSI
(F)	Second Final Flow Pressure	373	380	PSI
(G)	Final Closed-in Pressure	857	859	PSI
(H)	Final Hydrostatic Mud	1936	1936	PSI

COMPANY C.L. Morris Oil Corp. LEASE AND WELL NO. Kohl #2 SEC. 18 TWP. 13S RGE. 20W TEST NO. 1 DATE 7-17-81

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company C.L. Morris Oil Corporation Lease & Well No. Kohl #2

Elevation - Formation Marmaton Effective Pay - Ft. Ticket No. 11734

Date 7-20-81 Sec. 18 Twp. 13S Range 20W County Ellis State Kansas

Test Approved by Toby Elster Western Representative Steve Eisenhour

Formation Test No. 2 Interval Tested from 3736 ft. to 3846 ft. Total Depth 3846 ft.

Packer Depth 3731 ft. Size 6 3/4 in. Packer Depth 3736 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) 3834 ft. Recorder Number 1564 Cap. 3150

Bottom Recorder Depth (Outside) 3837 ft. Recorder Number 4331 Cap. 4150

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

Drilling Contractor Ramco Drlg. Drill Collar Length 261 I. D. 2.25 in.

Mud Type Starch Viscosity 42 Weight Pipe Length - I. D. - in.

Weight 10.3 Water Loss 12.8 cc. Drill Pipe Length 3454 I. D. 3.8 in.

Chlorides 58,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make No Serial Number No Anchor Length 93D.P.+17 ft. Size 5½OD 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: Initial flow period, weak steady blow 1" in bucket. Final flow period, no blow, flushed tool 20 minutes into flow period.

Recovered 159 ft. of speck oil in mud

Recovered 62 ft. of oil cut mud 90% mud, 5% oil, 5% water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:40 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 12:40 ~~A.M.~~ ~~P.M.~~ Maximum Temperature 125°F

Initial Hydrostatic Pressure			(A)	2137	P.S.I.	
Initial Flow Period	Minutes	60	(B)	112	P.S.I. to (C)	138 P.S.I.
Initial Closed In Period	Minutes	57	(D)	1014	P.S.I.	
Final Flow Period	Minutes	60	(E)	147	P.S.I. to (F)	167 P.S.I.
Final Closed In Period	Minutes	57	(G)	945	P.S.I.	
Final Hydrostatic Pressure			(H)	2121	P.S.I.	

WTC

WESTERN TESTING CO., INC.
Pressure Data

Date 7/20/81 Test Ticket No. 11734

Recorder No. 1564 Capacity 3150 Location 3834 Ft.

Clock No. - Elevation - Well Temperature 125 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2137	P.S.I.
B	First Initial Flow Pressure	112	P.S.I.
C	First Final Flow Pressure	138	P.S.I.
D	Initial Closed-in Pressure	1014	P.S.I.
E	Second Initial Flow Pressure	147	P.S.I.
F	Second Final Flow Pressure	167	P.S.I.
G	Final Closed-in Pressure	945	P.S.I.
H	Final Hydrostatic Mud	2121	P.S.I.

	Time Given	Time Computed
Open Tool	8:40A M	
First Flow Pressure	60 Mins.	60 Mins.
Initial Closed-in Pressure	60 Mins.	57 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	60 Mins.	57 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	112
P 2 5	112
P 3 10	116
P 4 15	118
P 5 20	122
P 6 25	124
P 7 30	126
P 8 35	128
P 9 40	130
P10 45	132
P11 50	134
P12 55	136
P13 60	138
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 19 Inc.
of 3 mins. and a
final inc. of 0 Min.

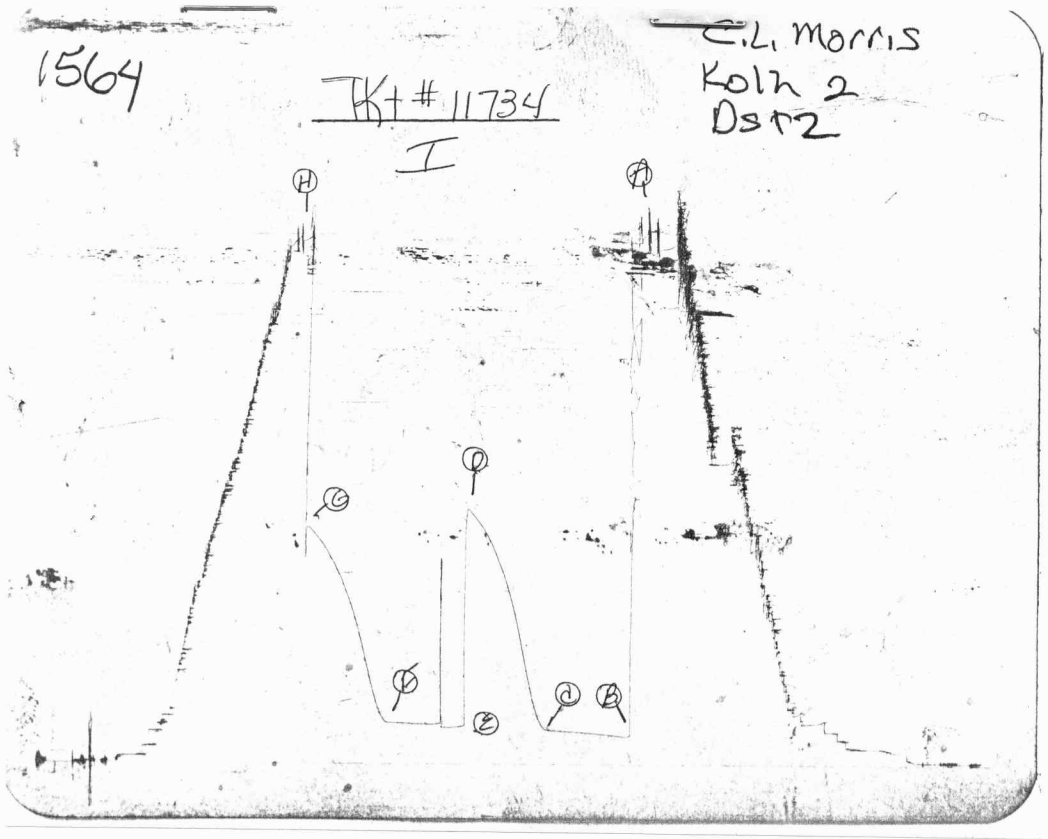
Point Minutes	Press.
0	138
3	158
6	197
9	250
12	321
15	405
18	481
21	567
24	636
27	698
30	746
33	789
36	832
39	870
42	904
45	931
48	954
51	976
54	997
57	1014

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	147
5	147
10	147
15	147
	Flushed Tool
20	161
25	160
30	160
35	161
40	163
45	165
50	166
55	166
60	167

Final Shut-In
Breakdown: 19 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	167
3	191
6	230
9	285
12	352
15	424
18	497
21	556
24	612
27	659
30	703
33	743
36	778
39	812
42	839
45	863
48	885
51	909
54	926
57	945



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2080	2137	PSI
(B)	First Initial Flow Pressure	116	112	PSI
(C)	First Final Flow Pressure	139	138	PSI
(D)	Initial Closed-in Pressure	998	1014	PSI
(E)	Second Initial Flow Pressure	147	147	PSI
(F)	Second Final Flow Pressure	163	167	PSI
(G)	Final Closed-in Pressure	935	945	PSI
(H)	Final Hydrostatic Mud	2064	2121	PSI

COMPANY C. L. Morris Oil Corporation LEASE AND WELL NO. Kohl #2 SEC. 18 TWP. 13S RGE. 20W TEST NO. 2 DATE 7/20/81