Company Kansas Oil Corporation — Lease & Well No. Isern #1

Elevation ----- Formation Mississippi Effective Pay --- Ft. Ticket No. 8718

Date 11/26/80 Sec. 13 Twp. 20S Range 21W County Ness State Kansas

Test Approved by Rick Cornett — Western Representative Vernon Wondra

Formation Test No. 1 Interval Tested from 4333 ft. to 4377 ft. Total Depth 4377 ft.

Packer Depth 4328 ft. Size 6 5/8 in. — Packer Depth - ft. Size - in.

Packer Depth 4333 ft. Size 6 5/8 in. — Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4367 ft. — Recorder Number 6074 Cap. 5100

Bottom Recorder Depth (Outside) 4370 ft. — Recorder Number 10979 Cap. 4100

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

Drilling Contractor H-30 Drlg. Co. Rig #11 — Drill Collar Length - I. D. - in.

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

Weight 9.8 Water Loss 13.8 cc. — Drill Pipe Length 4312 I. D. 3.8 in.

Chlorides 27,000 P.P.M. — Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make -- Serial Number - — Anchor Length 44 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 4½FH in.

Blow: Weak blow throughout first flow period. No blow on second opening.

Recovered 90 ft. of thin mud with oil spots throughout. Free oil on top

Recovered ft. of of tool.

Recovered ft. of Top: 7% oil;2% water;91% mud

Recovered ft. of Bottom:1% oil;3% water;96% mud

Recovered ft. of Chlorides 32,000 ppm

Remarks:

Time Set Packer(s) 8:05 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 11:05 ~~A.M.~~ ~~P.M.~~ Maximum Temperature 124°

Initial Hydrostatic Pressure			(A)	2330	P.S.I.	
Initial Flow Period	Minutes 30		(B)	69	P.S.I. to (C)	74 P.S.I.
Initial Closed In Period	Minutes 60		(D)	1324	P.S.I.	
Final Flow Period	Minutes 30		(E)	82	P.S.I. to (F)	87 P.S.I.
Final Closed In Period	Minutes 60		(G)	1306	P.S.I.	
Final Hydrostatic Pressure			(H)	2297	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 11-26-80 Test Ticket No. 8718

Recorder No. 6074 Capacity 5100 Location 4367 Ft.

Clock No. - Elevation - Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2330 P.S.I.	Open Tool	8:05A M	
B First Initial Flow Pressure	69 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	74 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1324 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	82 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	87 P.S.I.			
G Final Closed-in Pressure	1306 P.S.I.			
H Final Hydrostatic Mud	2297 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	69
P 2 5	71
P 3 10	71
P 4 15	71
P 5 20	72
P 6 25	73
P 7 30	74
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	74
3	504
6	834
9	1018
12	1117
15	1173
18	1219
21	1242
24	1263
27	1278
30	1291
33	1298
36	1306
39	1311
42	1314
45	1319
48	1320
51	1321
54	1322
57	1323
60	1324

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

Point Minutes	Press.
0	82
5	82
10	82
15	83
20	85
25	86
30	87

Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	87
3	491
6	803
9	972
12	1084
15	1145
18	1184
21	1217
24	1237
27	1255
30	1268
33	1278
36	1283
39	1288
42	1295
45	1297
48	1299
51	1301
54	1303
57	1305
60	1306

TKT # 8-718.

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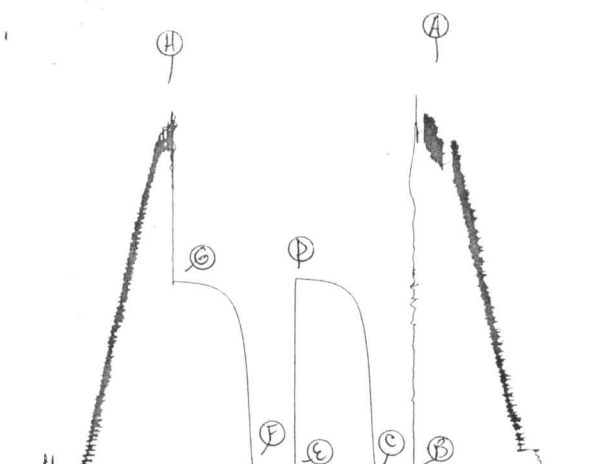

Company Kansas Oil Corporation | Lease & Well No. Isern #1

Elevation -- | Formation Mississippi | Effective Pay -- Ft. | Ticket No. 871

Date 11/26/80 | Sec. 13 | Twp. 20S | Range 21W | County Ness | State Kansas

Test Approved by Rick Cornett | Western Representative Vernon Wondra

Formation Test No. 2 | Interval Tested from 4375 ft. to 4382 ft. | Total Depth 4382 ft.

Packer Depth 4370 ft. | Size 6 5/8 in. | Packer Depth - ft. | Size - in.

Packer Depth 4375 ft. | Size 6 5/8 in. | Packer Depth - ft. | Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4362 ft. | Recorder Number 6074 | Cap. 5100

Bottom Recorder Depth (Outside) 4376 ft. | Recorder Number 10979 | Cap. 4100

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

Drilling Contractor H-30 Drlg. Co. Rig #11 | Drill Collar Length - | I. D. - in.

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

Weight 9.8 | Water Loss 13.8 cc. | Drill Pipe Length 4348 | I. D. 3.8 in.

Chlorides 27,000 P.P.M. | Test Tool Length 27 ft. | Tool Size 5½OD in.

Jars: Make -- | Serial Number - | Anchor Length 7 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 4½FH in.

Blow: MISRUN

Recovered 350 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Fractured formation

Time Set Packer(s) 11:35 ~~A.M.~~ P.M. | Time Started Off Bottom A.M. P.M. | Maximum Temperature -

Initial Hydrostatic Pressure (A) 2309 P.S.I.

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

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

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

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

Final Hydrostatic Pressure (H) 2261 P.S.I.

DKT # 8719

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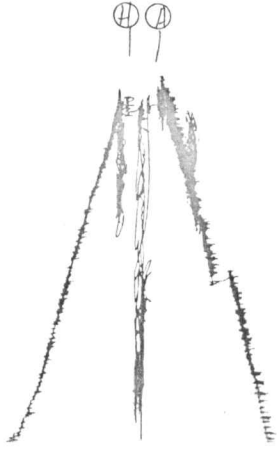

Company Kansas Oil Corporation — Lease & Well No. Isern #1

Elevation ---- — Formation Mississippi — Effective Pay - Ft. — Ticket No. 8720

Date 11/27/80 — Sec. 13 — Twp. 20S — Range 21W — County Ness — State Kansas

Test Approved by Rick Cornett — Western Representative Vernon Wondra

Formation Test No. 3 — Interval Tested from 4333 ft. to 4382 ft. — Total Depth 4382 ft.

Packer Depth 4328 ft. — Size 6 5/8 in. — Packer Depth - ft. — Size - in.

Packer Depth 4333 ft. — Size 6 5/8 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4336 ft. — Recorder Number 6074 — Cap. 5100

Bottom Recorder Depth (Outside) 4339 ft. — Recorder Number 10978 — Cap. 4100

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

Drilling Contractor H-30 Drlg. Co. Rig #11 — Drill Collar Length -- — I. D. - in.

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

Weight 9.8 — Water Loss 13.8 cc. — Drill Pipe Length 4312 — I. D. 3.8 in.

Chlorides 27,000 P.P.M. — Test Tool Length 21 ft. — Tool Size 5½OD in.

Jars: Make -- — Serial Number - — Anchor Length 49 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 4½FH in.

Blow: Weak blow increased to strong blow by end of both flow periods.

Recovered 370 ft. of watery mud — 20% water;80% mud

Recovered 240 ft. of muddy water — 80% water;20% mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:15 ~~P.M.~~ A.M. — Time Started Off Bottom 7:15 ~~P.M.~~ A.M. — Maximum Temperature 129°

Initial Hydrostatic Pressure			(A)	2230	P.S.I.	
Initial Flow Period	Minutes 30		(B)	90* P.S.I.	to (C)	212* P.S.I.
Initial Closed In Period	Minutes 57		(D)	1278	P.S.I.	
Final Flow Period	Minutes 30		(E)	210 P.S.I.	to (F)	325 P.S.I.
Final Closed In Period	Minutes 60		(G)	1265	P.S.I.	
Final Hydrostatic Pressure			(H)	2230	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 11-27-80 Test Ticket No. 8720

Recorder No. 6074 Capacity 5100 Location 4336 Ft.

Clock No. - Elevation - Well Temperature 129 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2230	P.S.I.
B	First Initial Flow Pressure	90*	P.S.I.
C	First Final Flow Pressure	212*	P.S.I.
D	Initial Closed-in Pressure	1278	P.S.I.
E	Second Initial Flow Pressure	210	P.S.I.
F	Second Final Flow Pressure	325	P.S.I.
G	Final Closed-in Pressure	1265	P.S.I.
H	Final Hydrostatic Mud	2230	P.S.I.

	Time Given	Time Computed
Open Tool	4:15A M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	57 Mins.
Second Flow Pressure	30 Mins.	30 Mins.
Final Closed-in Pressure	60 Mins.	60 Mins.

*Pressures questionable due to plugging action.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	90*
P 2 5	115*
P 3 10	130*
P 4 15	147*
P 5 20	174*
P 6 25	189*
P 7 30	212*
P 8	
P 9	
P10	
P11	
P12	
P13	
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	212*
3	1031
6	1099
9	1143
12	1171
15	1191
18	1207
21	1219
24	1230
27	1237
30	1245
33	1250
36	1257
39	1263
42	1268
45	1273
48	1275
51	1276
54	1277
57	1278

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

Point Minutes	Press.
0	210
5	223
10	248
15	269
20	286
25	307
30	325

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	325
3	1031
6	1094
9	1135
12	1161
15	1178
18	1194
21	1207
24	1214
27	1222
30	1230
33	1235
36	1242
39	1247
42	1250
45	1255
48	1258
51	1260
54	1262
57	1264
60	1265

IKT # 8720

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