



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
KRKR1DST1

Company Richlan Drilling Lease & Well No. Kroeker No. 1
Elevation 2031 EGL Formation Herrington/Krider/Winfield Effective Pay Ft. Ticket No. M744
Date 1-16-15 Sec. 30 Twp. 20S Range 15W County Barton State Kansas
Test Approved By Robert A. (Bob) Schreiber Diamond Representative Mike Cochran

Formation Test No. 1 Interval Tested from 1,936 ft. to 2,032 ft. Total Depth 2,032 ft.
Packer Depth 1,931 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 1,936 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 1,923 ft. Recorder Number 0063 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 1,938 ft. Recorder Number 5448 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length 184 ft I.D. 2 1/4 in.
Mud Type Viscosity Weight Pipe Length ft I.D. in.
Weight Water Loss cc. Drill Pipe Length 1,725 ft I.D. 3 1/2 in.
Chlorides Spot A Pill P.P.M. Test Tool Length 27 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 34' perf. w/62' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Strong, surface blow increasing. Off bottom of bucket in 10 mins. No blow back during shut-in.

2nd Open: Strong, surface blow increasing to 8 ins. No blow back during shut-in.

Recovered 216 ft. of low BTU odorless gas (186' DP, 30' DC)
Recovered 154 ft. of gas cut mud = .757680 bbls. (Grind out: 2%-gas; 98%-mud)
Recovered 154 ft. of TOTAL FLUID = .757680 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks Tool Sample Grind Out: 100%-mud w/a slight odor

Time Set Packer(s) 6:45 P.M. Time Started off Bottom 8:45 P.M. Maximum Temperature 80°
Initial Hydrostatic Pressure.....(A) 934 P.S.I.
Initial Flow Period.....Minutes 30 (B) 13 P.S.I. to (C) 46 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 418 P.S.I.
Final Flow Period.....Minutes 30 (E) 47 P.S.I. to (F) 76 P.S.I.
Final Closed In Period.....Minutes 30 (G) 407 P.S.I.
Final Hydrostatic Pressure.....(H) 907 P.S.I.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RICHLAN DRILLING, A GENERAL PARTNERSHIP	Job Number	M744
Well Name	KROEKER #1	Representative	MIKE COCHRAN
Unique Well ID	DST #1 HERRINGTON-KRIDER-WINFIELD 1936-2032	Well Operator	RICHLAN DRILLING, A GENERAL PARTNERSHIP
Surface Location	SEC 30-20S-15W BARTON CO. KS.	Report Date	2015/01/16
Field	ASH CREEK	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	BOB SCHREIBER
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	DST #1 HERRINGTON-KRIDER-WINFIELD 1936-2032		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/01/16	Start Test Time	17:20:00
Final Test Date	2015/01/16	Final Test Time	22:05:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

~216' LOW BTU ODORLESS GAS (186' DP, 30' DC)
154' GCM 2% GAS, 98% MUD (154' DC)
154' TOTAL FLUID

TOOL SAMPLE: 100% MUD, SLIGHT ODOR

KROEKER #1
Formation: DST #1 HERRINGTON-KRIDER-WINFIELD 1936-2032
Pool: WILDCAT
Job Number: M744

RICHLAN DRILLING, A GENERAL PARTNERSHIP
DST #1 HERRINGTON-KRIDER-WINFIELD 1936-2032
Start Test Date: 2015/01/16
Final Test Date: 2015/01/16

KROEKER #1

