



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRCLY4DST2

TIME ON: 1745
TIME OFF: 2340

Company HOFFMAN, CHRIS dba C&K OIL COMPANY Lease & Well No. BARCLAY #4
Contractor ROYAL DRILLING, INC. RIG #2 Charge to HOFFMAN, CHRIS dba C&K OIL COMPANY
Elevation 1864 GL Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. M605
Date 1/25/2014 Sec. 6 Twp. 15 S Range 10 W County ELLSWORTH State KANSAS
Test Approved By JIM MUSGROVE Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3347 ft. to 3367 ft. Total Depth 3367 ft.
Packer Depth 3342 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3347 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3336 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3349 ft. Recorder Number E1150 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 63 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3322 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, BOB 10 1/2 MIN (1"BB)
2nd Open: WSB, BOB 15 1/2 MIN (1"BB)

Recovered 180 ft. of GIP GRAVITY: 40.8 @ 60°
Recovered 83 ft. of CO 100% OIL
Recovered 359 ft. of GSOSMW 1% GAS, 1% OIL, 91% WTR, 7% MUD
Recovered 442 ft. of TOTAL FLUID

Recovered _____ ft. of <u>PH: 7.0</u>	Price Job
Recovered _____ ft. of <u>CHLOR: 10,000 PPM</u>	Other Charges
Remarks: <u>RW: .60 @72 DEG</u>	Insurance
<u>TOOL SAMPLE: 1% GAS, 11% OIL, 68% WTR, 20% MUD</u>	Total

Time Set Packer(s) 7:15 P.M. A.M. P.M. Time Started Off Bottom 9:45 P.M. A.M. P.M. Maximum Temperature 102°F

Initial Hydrostatic Pressure..... (A) 1626 P.S.I.
Initial Flow Period..... Minutes 30 (B) 20 P.S.I. to (C) 104 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 629 P.S.I.
Final Flow Period..... Minutes 45 (E) 106 P.S.I. to (F) 200 P.S.I.
Final Closed In Period..... Minutes 45 (G) 634 P.S.I.
Final Hydrostatic Pressure..... (H) 1623 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	HOFFMAN, CHRIS dba C&K OIL COMPANY	Job Number	M605
Well Name	BARCLAY #4	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3347-3367 ARBUCKLE	Well Operator	HOFFMAN, CHRIS dba C&K OIL COMPANY
Surface Location	SEC.6-15S-10W ELLSWORTH CO.KS.	Report Date	2014/01/25
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JIM MUSGROVE
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 3347-3367 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2014/01/25	Start Test Time	17:45:00
Final Test Date	2014/01/25	Final Test Time	23:40:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

180' GIP
83' CO 100% OIL
359' GSOSMW 1% GAS, 1% OIL, 91% WTR, 7% MUD
442' TOTAL FLUID

GRAVITY: 40.8 @ 60 DEG

CHLOR: 10,000 PPM
PH:7.0
RW: .62 @ 72 DEG

TOOL SAMPLE: 1% GAS, 11% OIL, 68% WTR, 20% MUD

HOFFMAN, CHRIS dba C&K OIL COMPANY
DST#2 3347-3367 ARBUCKLE
Start Test Date: 2014/01/25
Final Test Date: 2014/01/25

BARCLAY #4
Formation: DST#2 3347-3367 ARBUCKLE
Pool: WILDCAT
Job Number: M605

BARCLAY #4

