



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRCLY4DST1

TIME ON: 0620
TIME OFF: 1205

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. M604
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. 1 Interval Tested from 3280 ft. to 3352 ft. Total Depth 3352 ft.
Packer Depth 3275 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3280 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3269 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3282 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 67 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,800 P.P.M. Drill Pipe Length 3255 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 72 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. (62' DP) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: A WEAK SB INC TO 2" (NO BB)
2nd Open: A VWSB THAT INC. TO 3" (NO BB)

Recovered 80 ft. of GIP GRAVITY: 40.4 @ 60°
Recovered ~5 ft. of CO 100% OIL
Recovered 40 ft. of OSM 2% GAS, 8% OIL, 90% MUD
Recovered 45 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>4% GAS, 4% OIL, 92% MUD</u>	Total

Time Set Packer(s) 8:00 A.M. A.M. P.M. Time Started Off Bottom 10:30 A.M. A.M. P.M. Maximum Temperature 93°F

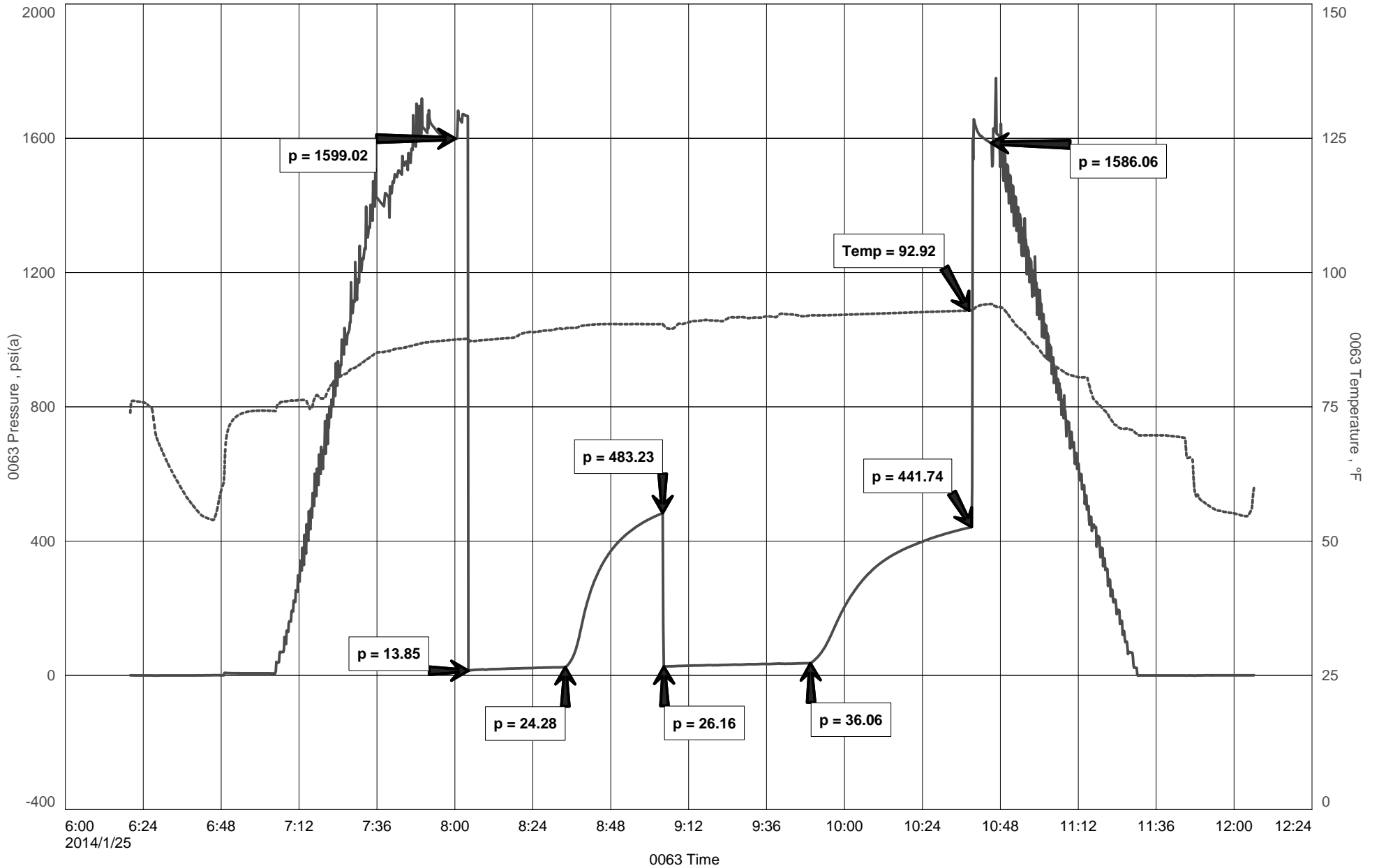
Initial Hydrostatic Pressure..... (A) 1599 P.S.I.
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 24 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 483 P.S.I.
Final Flow Period..... Minutes 45 (E) 28 P.S.I. to (F) 36 P.S.I.
Final Closed In Period..... Minutes 45 (G) 442 P.S.I.
Final Hydrostatic Pressure..... (H) 1586 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.

HOFFMAN, CHRIS dba C&K OIL COMPANY
DST#1 3280-3352 ARBUCKLE
Start Test Date: 2014/01/25
Final Test Date: 2014/01/25

BARCLAY #4
Formation: DST#1 3280-3352 ARBUCKLE
Pool: WILDCAT
Job Number: M604

BARCLAY #4



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	HOFFMAN, CHRIS dba C&K OIL COMPANY	Job Number	M604
Well Name	BARCLAY #4	Representative	MIKE COCHRAN
Unique Well ID	DST#1 3280-3352 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#1 3280-3352 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2014/01/25	Start Test Time	06:20:00
Final Test Date	2014/01/25	Final Test Time	12:05:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
80' GIP
~5 CO 100% OIL
40' OSM 2% GAS, 8% OIL, 90% MUD
45' TOTAL FLUID

GRAVITY: 40.4 @ 60 DEG

TOOL SAMPLE: 4% GAS, 4% OIL, 92% MUD