

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: kmbottley1dst1

TIME ON: 18:36 10/28

TIME OFF: 01:13 10/29

Company Ritchie Exploration Inc. Lease & Well No. KMB-Ottley 12C #1
Contractor Duke Drig Co., Rig #2 Charge to Ritchie Exploration Inc.
Elevation 2920' KB Formation L,KC "E-F" Effective Pay _____ Ft. Ticket No. F038
Date 10.28.12 Sec. 12 Twp. 13 S Range 31 W County Gove State KANSAS
Test Approved By Mike Englebrecht Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 4060 ft. to 4084 ft. Total Depth 4084 ft.

Packer Depth 4055 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4060 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4039 ft. Recorder Number 0062 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4081 ft. Recorder Number 11033 Cap. 5,150 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 56 Drill Collar Length _____ ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.

Chlorides 2100 P.P.M. Drill Pipe Length 4027 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number #5 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 24 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: Surface blow, dead after 6 minutes.

2nd Open: No blow, flushed tool, no blow.

Recovered 45 ft. of Drig Mud 100% mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 9:04 pm A.M. P.M. Time Started Off Bottom 11:04pm A.M. P.M. Maximum Temperature 113 Deg F

Initial Hydrostatic Pressure _____ (A) 1959 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 7 P.S.I. to (C) 10 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 245 P.S.I.

Final Flow Period _____ Minutes 30 (E) 10 P.S.I. to (F) 32 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 378 P.S.I.

Final Hydrostatic Pressure _____ (H) 1950 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 General Report

JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Ritchie Exploration Inc.	Well Name	KMB-Ottley 12C #1
Well Operator	Ritchie Exploration Inc.	Unique Well ID	DST #1 L,KC "E-F" 4060'-4084'
Contact	Justin Clegg	Surface Location	Sec 12-13s-31w-Gove Co.-KS
Site Contact	Mike Englebrecht	Test Unit	#5
Field	Wildcat	Pool	Wildcat
Well Type	Vertical	Job Number	F038
Prepared By	Jake Fahrenbruch	Qualified By	Mike Englebrecht

Test Information

Test Type	Conventional Bottom Hole	Test Purpose	Initial Test
Formation	L,KC "E-F" 4060'-4084'	Gauge Name	0062
Start Test Date	2012/10/28	Start Test Time	18:36:00
Final Test Date	2012/10/29	Final Test Time	01:13:00

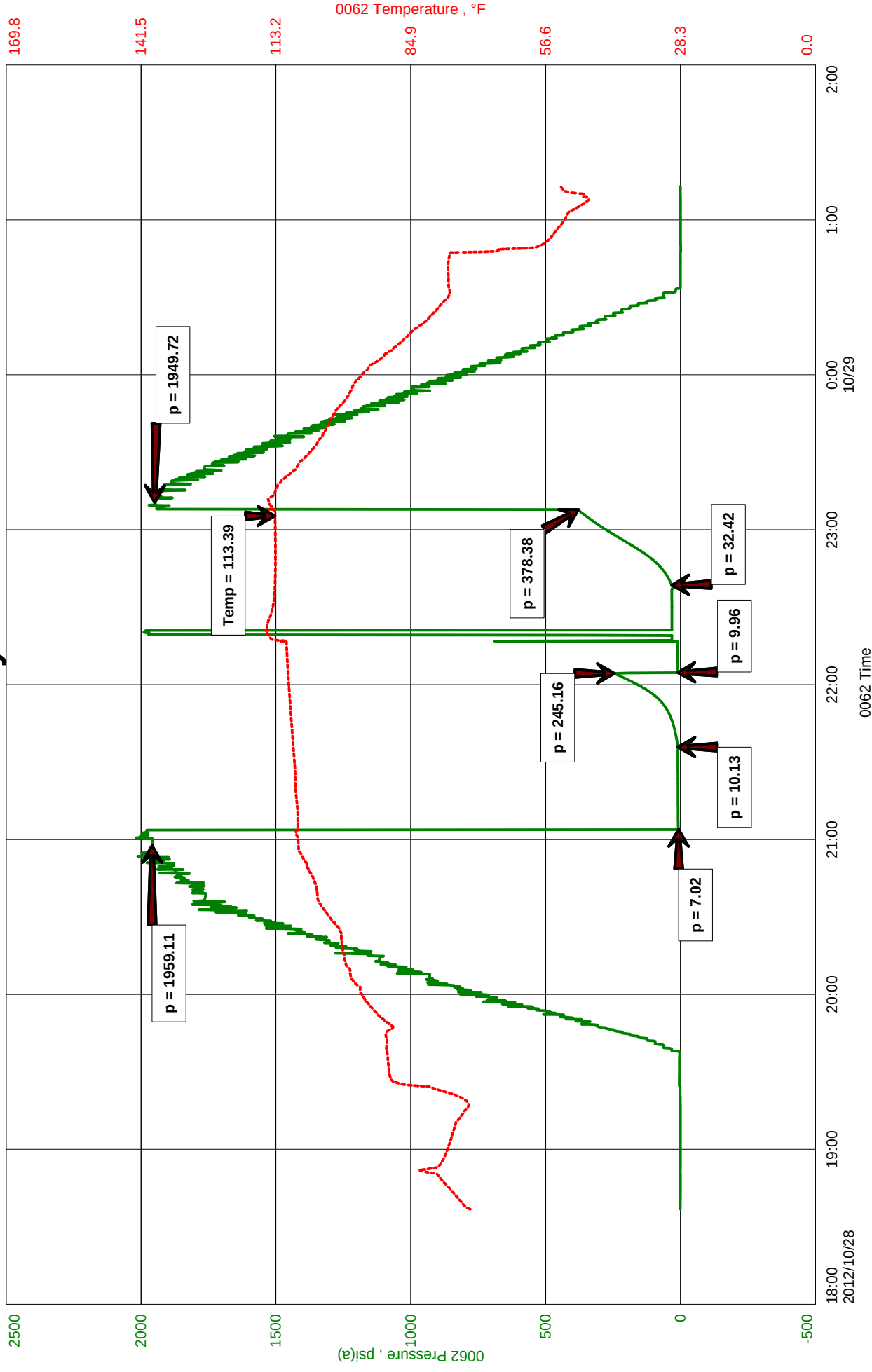
Test Results

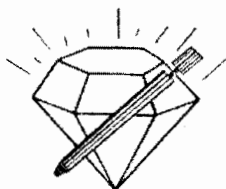
Recovered: 45' Drlg Mud 100% mud

Ritchie Exploration Inc.
DST #1 L,KC "E-F" 4060'-4084'
Start Test Date: 2012/10/28
Final Test Date: 2012/10/29

KMB-Ottley 12C #1
Formation: L,KC "E-F" 4060'-4084'
Pool: Wildcat
Job Number: F038

KMB-Ottley 12C #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: kmbottley1dst2

TIME ON: 19:28 10/29
TIME OFF: 02:36 10/30

Company Ritchie Exploration Inc. Lease & Well No. KMB-Ottley 12C #1
Contractor Duke Drlg Co., Rig #2 Charge to Ritchie Exploration Inc.
Elevation 2920' KB Formation "J" zone Effective Pay Ft. Ticket No. F039
Date 10.30.12 Sec. 12 Twp. 13 S Range 31 W County Gove State KANSAS
Test Approved By Mike Englebrecht Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 4196 ft. to 4226 ft. Total Depth 4226 ft.

Packer Depth 4191 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Packer Depth 4196 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4175 ft. Recorder Number 0062 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4223 ft. Recorder Number 11033 Cap. 5,150 P.S.I.

Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.

Mud Type Chemical Viscosity 44 Drill Collar Length ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 6.4 cc. Weight Pipe Length ft. I.D. 2 7/8 in.

Chlorides 2200 P.P.M. Drill Pipe Length 4163 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 30 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: Surface blow, increased to .5". No blowback.

2nd Open: Weak surface blow, dead after 20 minutes. No blowback

Recovered 15 ft. of SOSM 2% oil, 98% mud

Recovered ft. of Tool Sample: OCM 10% oil, 90% mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 9:56 pm A.M. P.M. Time Started Off Bottom 12:26 am A.M. P.M. Maximum Temperature 117 Deg F

Initial Hydrostatic Pressure (A) 2059 P.S.I.

Initial Flow Period Minutes 30 (B) 9 P.S.I. to (C) 14 P.S.I.

Initial Closed In Period Minutes 45 (D) 1253 P.S.I.

Final Flow Period Minutes 30 (E) 15 P.S.I. to (F) 17 P.S.I.

Final Closed In Period Minutes 45 (G) 1147 P.S.I.

Final Hydrostatic Pressure (H) 2043 P.S.I.

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Diamond Testing General Report

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Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Ritchie Exploration Inc.	Well Name	KMB-Ottley 12C #1
Well Operator	Ritchie Exploration Inc.	Unique Well ID	DST #2 "J" zone 4196'-4226'
Contact	Justin Clegg	Surface Location	Sec 12-13s-31w-Gove Co.-KS
Site Contact	Mike Englebrecht	Test Unit	#5
Field	Wildcat	Pool	Wildcat
Well Type	Vertical	Job Number	F039
Prepared By	Jake Fahrenbruch	Qualified By	Mike Englebrecht

Test Information

Test Type	Conventional Bottom Hole	Test Purpose	Initial Test
Formation	"J" zone 4196'-4226'	Gauge Name	0062
Start Test Date	2012/10/29	Start Test Time	19:28:00
Final Test Date	2012/10/30	Final Test Time	02:36:00

Test Results

Recovered: 15' SOSM 2% oil, 98% mud
----- Tool Sample: OCM, 10% oil, 90% mud

Ritchie Exploration Inc.
DST #2 "J" zone 4196'-4226'
Start Test Date: 2012/10/29
Final Test Date: 2012/10/30

KMB-Ottley 12C #1
Formation: "J" zone 4196'-4226'
Pool: Wildcat
Job Number: F039

KMB-Ottley 12C #1

