

DIAMOND TESTING

Drill Test Report

General Information

Company Name

Contact L.D. DAVIS
Well Name MAURICE #1-4
Unique Well ID DST#1 CHASE/WINF. 1804-1894
Surface Location SEC 4-19s-15w BARTON Co. Ks.
Field WILDCAT
Well Type Vertical

Job Number M015
Representative MIKE COCHRAN
Well Operator L.D. DRLG
Report Date 2010/08/15
Prepared By MIKE COCHRAN

Test Information

Test Type CONVENTIONAL
Formation DST#1 CHASE/WINF. 1804-1894
Well Fluid Type 02 Gas
Test Purpose (AEUB) Initial Test

Start Test Time 23:11:00
Final Test Time 07:12:00

Start Test Date 2010/08/14
Final Test Date 2010/08/15

Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 30' VSOCMW 1% GAS, 69% WTR, 30% MUD
242' VSOCMW 1% GAS, 78% WTR, 28% MUD
272' TOTAL FLUID

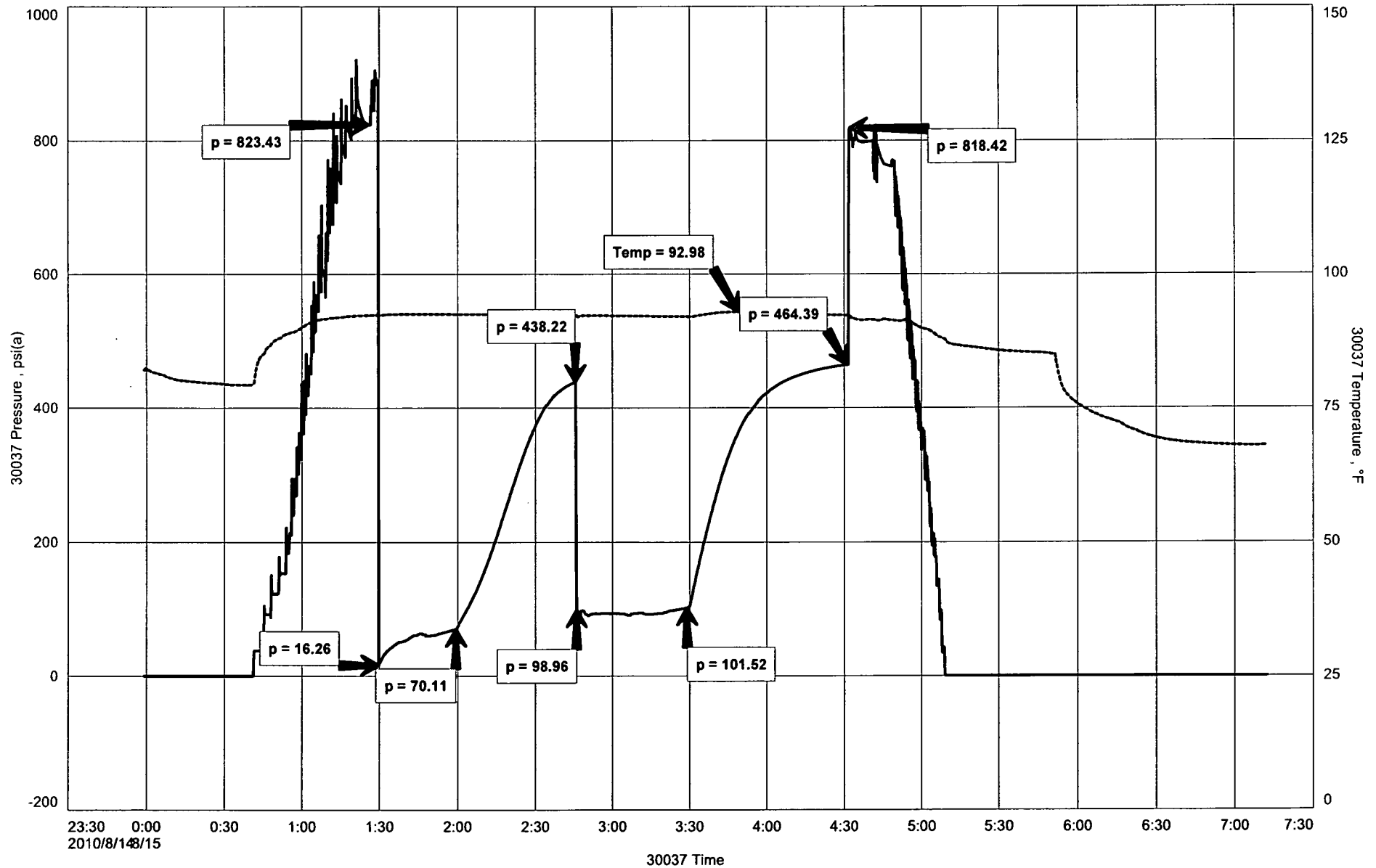
GAS TO SURFACE. 15 MIN INTO FINAL FLOW PERIOD
GAUGED @ 2,180 CF/D
GAS BURNED NICELY

PH 10.5
CHLOR 88,000
RW .07@69 DEG

DST#1 CHASE/WINF. 1804-1894
Start Test Date: 2010/08/14
Final Test Date: 2010/08/15

MAURICE #1-4
Formation: DST#1 CHASE/WINF. 1804-1894
Pool: WILDCAT
Job Number: M015

MAURICE #1-4





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: MRCE1-4DST1

TIME ON: 23:59 (8-14)
TIME OFF: 07:12 (8-15)

Company L.D. DRLG Lease & Well No. MAURICE #1-4
Contractor PETROMARK RIG #2 Charge to L.D. DRLG
Elevation 1981 KB Formation CHASE/WINF Effective Pay _____ Ft. Ticket No. M015
Date 8-15-2010 Sec. 4 Twp. _____ 19 S Range _____ 15 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 1804 ft. to 1894 ft. Total Depth 1894 ft.
Packer Depth 1799 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 1804 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 1791 ft. Recorder Number 30037 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 1891 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth NA ft. Recorder Number NA Cap. NA P.S.I.

Mud Type SPOT PILL Viscosity _____ Drill Collar Length 242 ft. I.D. 2 1/4 in.

Weight _____ Water Loss _____ cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides _____ P.P.M. Drill Pipe Length 1777 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number SJ ONLY Test Tool Length 27 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 90 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: BOB 7 MIN (NO BB)

2nd Open: BOB ON TOOL OPENING, GAS TO SURFACE 15 MIN (FAIR BB 3")

Recovered 30 ft. of VSOCMW 1% GAS, 69% WTR, 30% MUD

Recovered 242 ft. of VSOCMW 1% GAS, 71% WTR, 28% MUD

Recovered 272 ft. of TOTAL FLUID

Recovered _____ ft. of GAS TO SURFACE 15 MIN

Recovered _____ ft. of PH 10.5 Price Job _____

Recovered _____ ft. of CHLOR 88,000 Ppm Other Charges _____

Remarks: RW .07 @ 69 DEG. Insurance _____

GAS GAUGED @ 2,180 CF/D. GAS BURNED NICELY

TOOL SAMPLE: 2% GAS, 71% WTR, 28% MUD, SCUM OF OIL Total _____

Time Set Packer(s) 1:29 A.M. P.M. Time Started Off Bottom 4:29 A.M. P.M. Maximum Temperature 93

Initial Hydrostatic Pressure..... (A) 823 P.S.I.

Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 70 P.S.I.

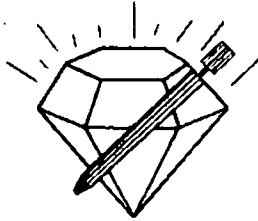
Initial Closed In Period..... Minutes 45 (D) 438 P.S.I.

Final Flow Period..... Minutes 45 (E) 99 P.S.I. to (F) 102 P.S.I.

Final Closed In Period..... Minutes 60 (G) 464 P.S.I.

Final Hydrostatic Pressure..... (H) 818 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnet 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
 P. O. Box 157
HOISINGTON, KANSAS 67544
 (316) 653-7550
GAS VOLUME REPORT

Company L.D. DRLG Lease & Well No. MAURICE #1-4

Date 08/15/2010 Sec. 4 Twp. 19S Rgc. 15W Location _____ County BARTON State KS

Drilling Contractor PETROMARK RIG #2 Formation CHASE/WINF. DST No. 1

Remarks: DST#1 1804-1894 30-45-45-60

GAS TO SURFACE 15 MIN INTO 2ND OPENING. GAUGED@ 2,180 CF/D. GAS BURNED NICELY

INITIAL FLOW PSI

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW INCHES OF WATER

Time O'Clock	Orifice Size	Gauge	CF/D
3:05 A.M.	1.000 in.	TSTM in.	TSTM
3:10 A.M.	0.125 in.	9 OZIN. SQ. in.	1,590
3:20 A.M.	0.125 in.	9 in.	1,590
3:25 A.M.	0.125 in.	14 in.	1,980
3:30 A.M.	0.125 in.	17 in.	2,180
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

SAMPLE TAKEN -YES

FINAL FLOW---- 17 OZ/SQ IN.

DIAMOND TESTING

Drill Test Report

General Information

Company Name L.D. DRLG

Contact L.D. DAVIS
Well Name MAURICE #1-4
Unique Well ID DST#2 LANS. A & B 3246-3300
Surface Location SEC 4-19s-15w BARTON Co. Ks.
Field WILDCAT
Well Type Vertical

Job Number M016
Representative MIKE COCHRAN
Well Operator L.D. DRLG
Report Date 2010/08/17
Prepared By MIKE COCHRAN

Test Information

Test Type CONVENTIONAL
Formation DST#2 LANS. A & B 3246-3300
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 04:41:00
Final Test Time 12:43:00

Start Test Date 2010/08/17
Final Test Date 2010/08/17

Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 45' OF MW, 65% WTR, 35% MUD
1449' OF MW, 98% WTR, 2% MUD
105' OF MW, 97% WTR, 3% MUD
15' MUD
1614' TOTAL FLUID

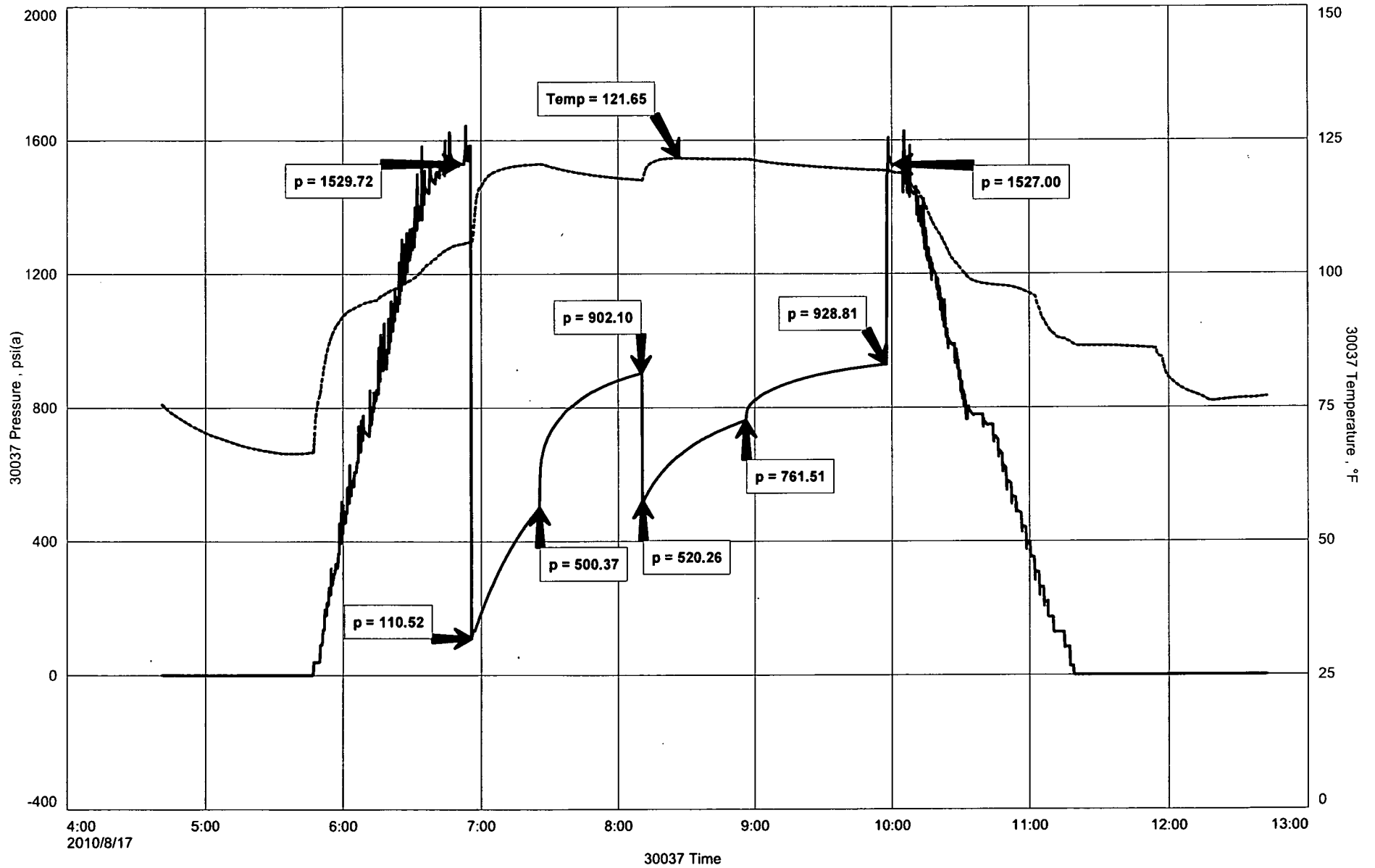
TOOL SAMPLE: 98 1/2% WTR, 1 1/2% MUD

PH 8.5
CHLOR 68,000 Ppm
RW .06@75 DEG.

L.D. DRLG
DST#2 LANS. A & B 3246-3300
Start Test Date: 2010/08/17
Final Test Date: 2010/08/17

MAURICE #1-4
Formation: DST#2 LANS. A & B 3246-3300
Pool: WILDCAT
Job Number: M016

MAURICE #1-4





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: MRCE1-4DST2

TIME ON: 04:41:00
 TIME OFF: 12:43:00

Company L.D. DRLG Lease & Well No. MAURICE #1-4
 Contractor PETROMARK RIG #2 Charge to L.D. DRLG
 Elevation 1981 KB Formation LANS A&B Effective Pay _____ Ft. Ticket No. M016
 Date 8-17-2010 Sec. 4 Twp. _____ 19 S Range _____ 15 W County BARTON State KANSAS
 Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3246 ft. to 3300 ft. Total Depth 3300 ft.
 Packer Depth 3241 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
 Packer Depth 3246 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3289 ft. Recorder Number 30037 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 3297 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
 Below Straddle Recorder Depth NA ft. Recorder Number NA Cap. NA P.S.I.

Mud Type CHEM Viscosity 49 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.0 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 800 P.P.M. Drill Pipe Length 3098 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number SJ ONLY Test Tool Length 27 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 54 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: BOB 1 1/2 MIN. (NO BB)
 2nd Open: BOB IN 3 MIN. (NO BB)

Recovered 45 ft. of MW 65%WTR, 35% MUD
 Recovered 1449 ft. of MW 98% WTR, 2% MUD
 Recovered 105 ft. of MW 97% WTR, 3% MUD
 Recovered 15 ft. of MUD
 Recovered 1614 ft. of TOTAL FLUID

Recovered _____ ft. of _____	PH 8.5	Price Job
Remarks: _____	RW .06@ 75 DEG.	Other Charges
_____	CHLOR. 68,000 Ppm	Insurance
TOOL SAMPLE: <u>98 1/2% WTR, 1 1/2% MUD</u>		Total

Time Set Packer(s) 6:56 A.M. A.M. P.M. Time Started Off Bottom 9:56 A.M. A.M. P.M. Maximum Temperature 122

Initial Hydrostatic Pressure..... (A) 1530 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 111 P.S.I. to (C) 500 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 902 P.S.I.
 Final Flow Period..... Minutes 45 (E) 520 P.S.I. to (F) 761 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 929 P.S.I.
 Final Hydrostatic Pressure..... (H) 1527 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
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: MRCE1-4DST3

TIME ON: 23:25 (08-17)
TIME OFF: 06:51 (08-18)

Company L.D. DRLG Lease & Well No. MAURICE #1-4
Contractor PETROMARK RIG #2 Charge to L.D. DRLG
Elevation 1981 KB Formation _____ L/KC I.J. Effective Pay _____ Ft. Ticket No. M017
Date 8-18-2010 Sec. 4 Twp. _____ 19 S Range _____ 15 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 3415 ft. to 3465 ft. Total Depth 3465 ft.
Packer Depth 3410 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3415 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3402 ft. Recorder Number 30037 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3462 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth NA ft. Recorder Number NA Cap. NA P.S.I.
Mud Type CHEM Viscosity 51 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,000 P.P.M. Drill Pipe Length 3268 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SJ ONLY Test Tool Length 27 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 50 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: BOB 4 MINUTES (NO BB)
2nd Open: BOB INSTANTLY (NO BB)

Recovered 75 ft. of GWCM 4% GAS, 2% WTR, 94 % MUD
Recovered 75 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: _____
TOOL SAMPLE: 1% GAS, 27% WTR, 72% MUD LIGHT SCUM OF OIL

Time Set Packer(s) 1:50 A.M. P.M. Time Started Off Bottom 4:50 A.M. P.M. Maximum Temperature 116

Initial Hydrostatic Pressure..... (A) 1657 P.S.I.
Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 35 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1025 P.S.I.
Final Flow Period..... Minutes 45 (E) 22 P.S.I. to (F) 54 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1037 P.S.I.
Final Hydrostatic Pressure..... (H) 1655 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

Drill Test Report

General Information

Company Name L.D. DRLG

Contact L.D. DAVIS
Well Name MAURICE #1-4
Unique Well ID DST#3 L/KC I.J. 3415-3465
Surface Location SEC 4-19s-15w BARTON Co. Ks.
Field WILDCAT
Well Type Vertical

Job Number M017
Representative MIKE COCHRAN
Well Operator L.D. DRLG
Report Date 2010/08/18
Prepared By MIKE COCHRAN

Test Information

Test Type CONVENTIONAL
Formation DST#3 L/KC I.J. 3415-3465
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 23:25:00
Final Test Time 06:51:00

Start Test Date 2010/08/17
Final Test Date 2010/08/18

Gauge Name Gauge 1
Test Type Name

Test Results

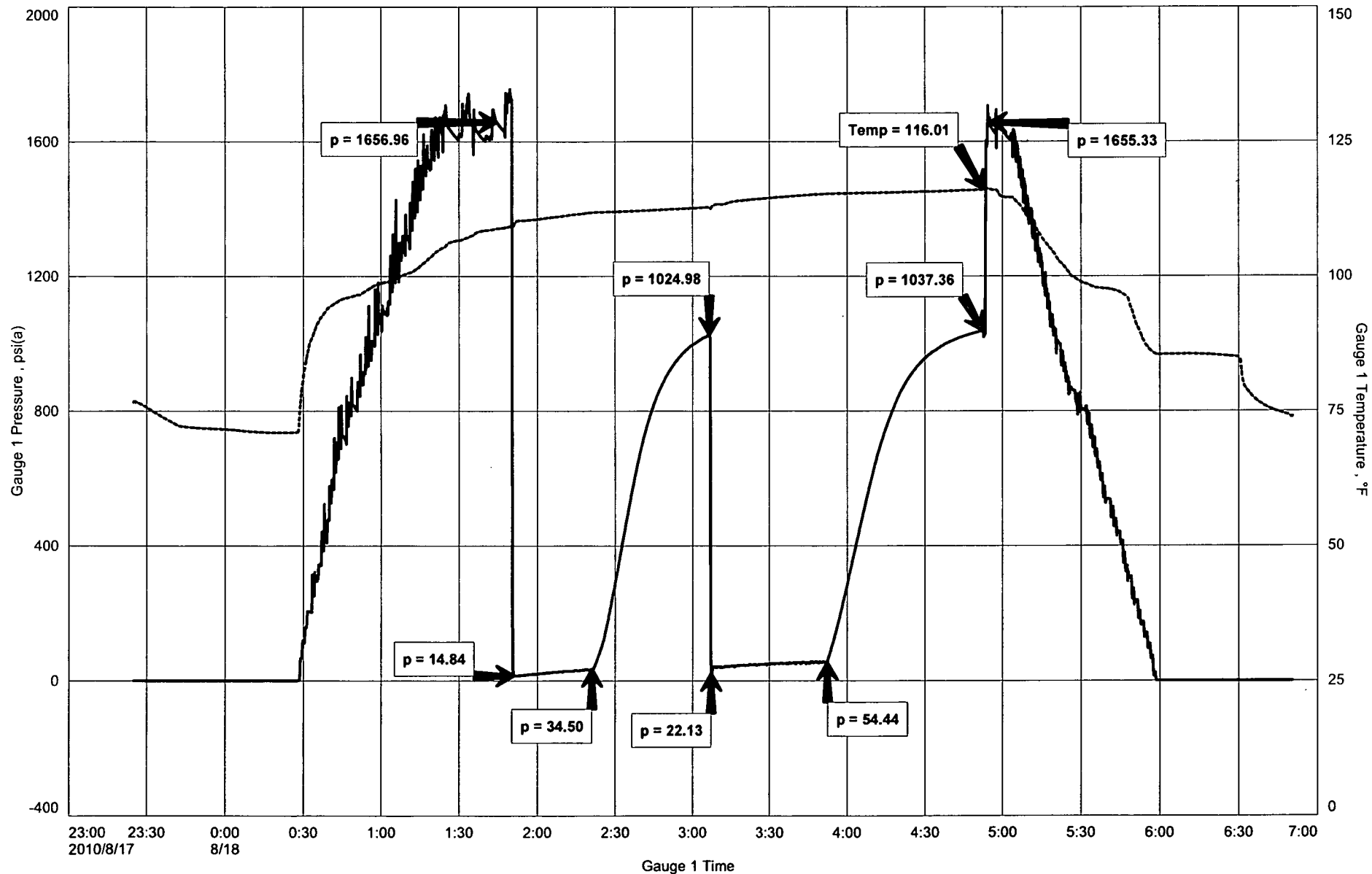
RECOVERED: 75' GWCM 4% GAS, 2% WTR, 94% MUD
75' TOTAL FLUID

TOOL SAMPLE: 1% GAS, 27% WTR, 72% MUD, LIGHT SCUM OF OIL

L.D. DRLG
DST#3 L/KC I.J. 3415-3465
Start Test Date: 2010/08/17
Final Test Date: 2010/08/18

MAURICE #1-4
Formation: DST#3 L/KC I.J. 3415-3465
Pool: WILDCAT
Job Number: M017

MAURICE #1-4





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30037.D018

Company L. D. Drilling, Inc. Lease & Well No. Maurice No. 1-4
Elevation 1981 KB Formation Reagan Effective Pay Ft. Ticket No. M018
Date 8-18-10 Sec. 4 Twp. 19S Range 15W County Barton State Kansas
Test Approved By Kim B. Shoemaker Diamond Representative Michael Cochran
Formation Test No. 4 Interval Tested from 3,481 ft. to 3,571 ft. Total Depth 3,571 ft.
Packer Depth 3,476 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,481 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,468 ft. Recorder Number 30037 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,568 ft. Recorder Number 13386 Cap. 3,875 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 52 Weight Pipe Length ft. I.D. in.
Weight 9.3 Water Loss 10.8 cc. Drill Pipe Length 3,397 ft. I.D. 3 1/2 in.
Chlorides 6,800 P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 27' perf. w/ 63' 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: Good, surface blow. Off bottom of bucket in 1 min. Weak, 1/8 in., blow off bottom of bucket during shut-in.
2nd Open: Fair, surface blow. Off bottom of bucket in 2 mins. No blow back during shut-in.

Recovered 398 ft. of muddy water = 5.663540 bbls. (Grind out: 50%-mud; 50%-water)
Recovered 1,449 ft. of very slightly mud cut water = 20.619270 bbls. (Grind out: 2%-mud; 98%-water)
Recovered 120 ft. of very slightly mud cut water = 5.904000 bbls. (Grind out: 2%-mud; 98%-water)
Recovered 1,967 ft. of TOTAL FLUID = 26.873210 bbls.
Recovered ft. of

Remarks Tool Sample Grind Out: 1%-mud; 99%-water Chlorides: 68,000 Ppm
PH: 7.5
RW: .10 @ 70°

Time Set Packer(s) 7:10 ^{AM} P.M. Time Started Off Bottom 10:10 ^{AM} P.M. Maximum Temperature 129°
Initial Hydrostatic Pressure (A) 1734 P.S.I.
Initial Flow Period Minutes 30 (B) 209 P.S.I. to (C) 711 P.S.I.
Initial Closed In Period Minutes 45 (D) 969 P.S.I.
Final Flow Period Minutes 45 (E) 720 P.S.I. to (F) 955 P.S.I.
Final Closed In Period Minutes 60 (G) 979 P.S.I.
Final Hydrostatic Pressure (H) 1720 P.S.I.

DIAMOND TESTING

Page 2 of 2 Pages
Drill Test Report

General Information

Company Name L.D. DRLG

Contact L.D. DAVIS
Well Name MAURICE #1-4
Unique Well ID DST#4 REAGAN 3481-3571
Surface Location SEC 4-19s-15w BARTON Co. Ks.
Field WILDCAT
Well Type Vertical

Job Number M018
Representative MIKE COCHRAN
Well Operator L.D. DRLG
Report Date 2010/08/19
Prepared By MIKE COCHRAN

Test Information

Test Type CONVENTIONAL
Formation DST#4 REAGAN 3481-3571
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 17:00:00
Final Test Time 01:50:00

Start Test Date 2010/08/18
Final Test Date 2010/08/19

Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 398' OF MW 50% WTR, 50% MUD
1449' OF VSMCW 98% WTR, 2% MUD
120' OF VSMCW 98% WTR, 2% MUD
1967' TOTAL FLUID

TOOL SAMPLE: 99% WTR, 1% MUD

PH 7.5
CHLOR 68,000 Ppm
RW .1 @ 70 DEG.

ES. DRUG
DST#4 REAGAN 3481-3571
Start Test Date: 2010/08/18
Final Test Date: 2010/08/19

MAURICE #1-4
Formation: DST#4 REAGAN 3481-3571
Pool: WILDCAT
Job Number: M018

MAURICE #1-4

