

DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
KIRKV1-7DST1

Company Val Energy, Inc. Lease & Well No. Kirk No. V1-7
Elevation 3094 KB Formation Marmaton/Altamont "A" Effective Pay _____ Ft. Ticket No. A088
Date 9-2-14 Sec. 7 Twp. 17S Range 33W County Scott State Kansas
Test Approved By Harley K. Sayles Diamond Representative Andy Carreira

Formation Test No. 1 Interval Tested from 4,413 ft. to 4,466 ft. Total Depth 4,466 ft.
Packer Depth 4,408 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,413 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,394 ft. Recorder Number 5585 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,415 ft. Recorder Number 8471 Cap. 10,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length _____ ft I.D. _____ in.
Mud Type Chemical Viscosity 56 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.4 Water Loss 8.8 cc. Drill Pipe Length 4,380 ft I.D. 3 1/2 in.
Chlorides 3,500 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 9 Anchor Length 53 ft. 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: Very weak, surface blow. Died in 6 mins. No blow back during shut-in.
2nd Open: No blow. No blow back during shut-in.

Recovered 5 ft. of drilling mud = .071150 bbls. (Grind out: 100%-mud)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 100%-mud

Time Set Packer(s) 1:25 P.M. Time Started off Bottom 3:25 P.M. Maximum Temperature 120°
Initial Hydrostatic Pressure.....(A) 2123 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) 768 P.S.I.
Final Flow Period.....Minutes 30 (E) 10 P.S.I. to (F) 11 P.S.I.
Final Closed In Period.....Minutes 30 (G) 654 P.S.I.
Final Hydrostatic Pressure.....(H) 2112 P.S.I.

DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	VAL ENERGY INC	DUSTIN WYER	Job Number	A088
Contact		KIRK V1-7	Representative	ANDY CARREIRA
Well Name		DST 1 MARM/ALT. "A" 4413-4466	Well Operator	VAL ENERGY INC
Unique Well ID		SEC 7-17S-33W SCOTT CNTY,KS	Report Date	2014/09/02
Surface Location			Prepared By	ANDY CARREIRA
Well License Number				
Field		FRICK		
Well Type		Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST 1 MARM/ALT. "A" 4413-4466
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/09/02	Start Test Time	11:02:00
Final Test Date	2014/09/02	Final Test Time	17:37:00

Gauge Name 5585

Test Results

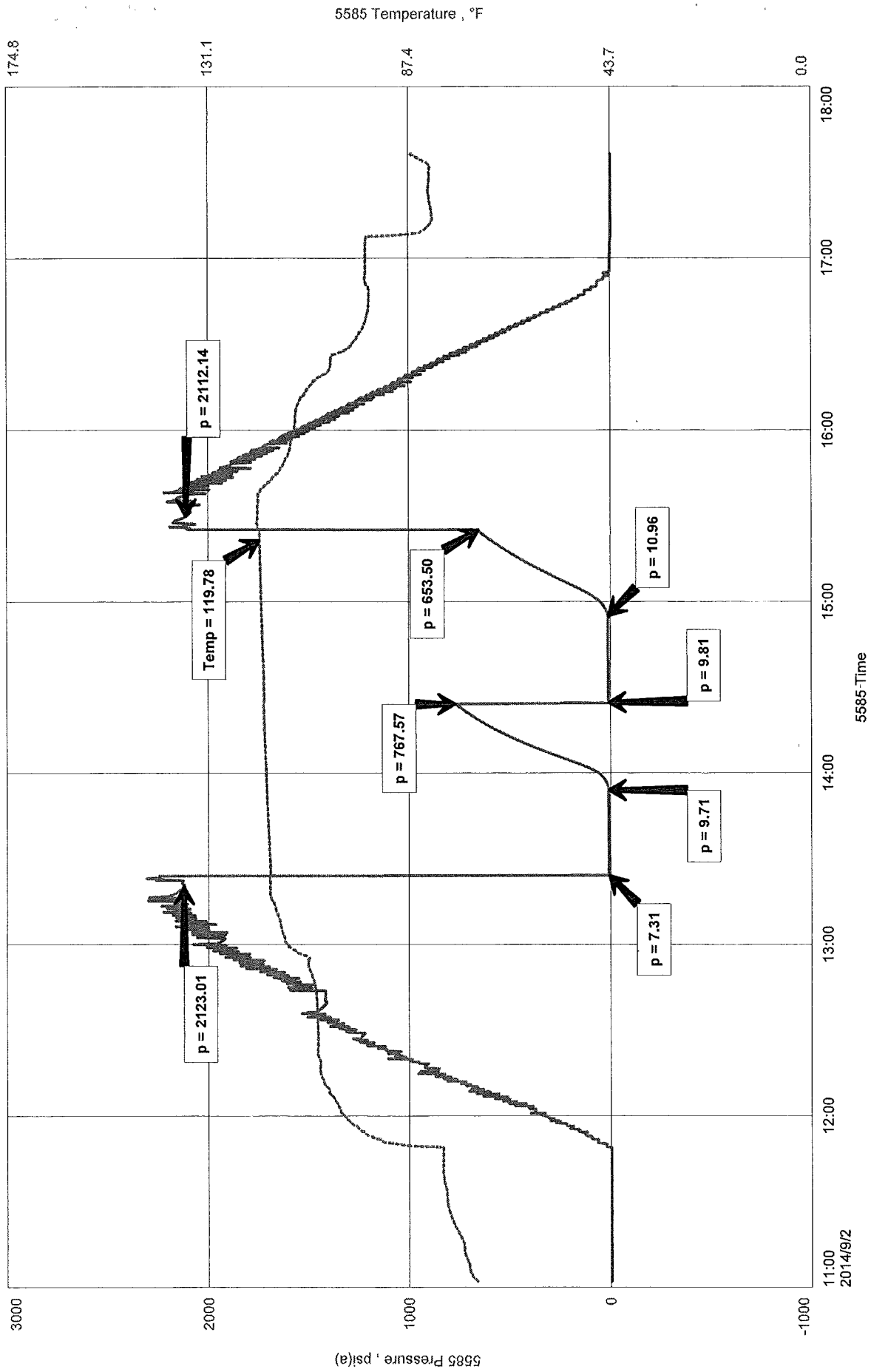
RECOVERY: 5' DM 100% MUD

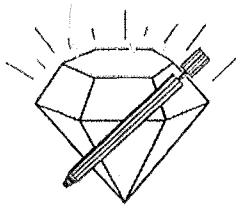
TOOL SAMPLE: 100% MUD

VAL ENERGY INC
DST 1 MARMALT. "A" 4413-4466
Start Test Date: 2014/09/02
Final Test Date: 2014/09/02

KIRK V1-7
Formation: DST 1 MARMALT. "A" 4413-4466
Pool: FRICK
Job Number: A088

KIRK V1-7





DIAMOND TESTING, LLC
P.O. Box 157
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KIRKV1-7DST2

Company Val Energy, Inc. Lease & Well No. Kirk No. V1-7
Elevation 3094 KB Formation Altamont "B" & "C" Effective Pay Ft. Ticket No. A089
Date 9-3-14 Sec. 7 Twp. 17S Range 33W County Scott State Kansas
Test Approved By Harley K. Sayles Diamond Representative Andy Carreira

Formation Test No. 2 Interval Tested from 4,465 ft. to 4,514 ft. Total Depth 4,514 ft.
Packer Depth 4,460 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,465 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,446 ft. Recorder Number 5585 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,467 ft. Recorder Number 8471 Cap. 10,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length ft I.D. in.
Mud Type Chemical Viscosity 56 Weight Pipe Length ft I.D. in.
Weight 9.4 Water Loss 8.8 cc. Drill Pipe Length 4,432 ft I.D. 3 1/2 in.
Chlorides 3,500 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 9 Anchor Length 49 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out Yes 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 blow increasing. Off bottom of bucket in 3 mins. Bottom of bucket blow back in 16 mins. during shut-in.

2nd Open: Strong blow increasing. Off bottom of bucket immediately. Bottom of bucket blow back in 31 mins. during shut-in.

Recovered 1,668 ft. of gas in pipe
Recovered 1,161 ft. of gassy oil = 16.521030 bbls. (Grind out: 15%-gas; 85%-oil) Gravity: 29 @ 60°
Recovered 126 ft. of mud cut, gassy oil = 1.792980 bbls. (Grind out: 10%-gas; 72%-oil; 18%-mud)
Recovered 1,287 ft. of TOTAL FLUID = 18.314010 bbls.
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: 80%-oil; 20%-mud

Time Set Packer(s) 7:03 A.M. Time Started off Bottom 10:48 A.M. Maximum Temperature 128°
Initial Hydrostatic Pressure.....(A) 2164 P.S.I.
Initial Flow Period.....Minutes 30 (B) 35 P.S.I. to (C) 229 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 1213 P.S.I.
Final Flow Period.....Minutes 60 (E) 240 P.S.I. to (F) 507 P.S.I.
Final Closed In Period.....Minutes 90 (G) 1209 P.S.I.
Final Hydrostatic Pressure.....(H) 2132 P.S.I.

DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	VAL ENERGY INC	DUSTIN WYER	Job Number	A089
Contact		KIRK V1-7	Representative	ANDY CARREIRA
Well Name		DST 2 ALT "B&C" 4465-4514	Well Operator	VAL ENERGY INC
Unique Well ID		SEC 7-17S-33W SCOTT CNTY,KS	Report Date	2014/09/03
Surface Location			Prepared By	ANDY CARREIRA
Well License Number				
Field		FRICK		
Well Type		Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST 2 ALT "B&C" 4465-4514
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/09/03	Start Test Time	04:03:00
Final Test Date	2014/09/03	Final Test Time	14:31:00

Gauge Name	5585
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Test Results

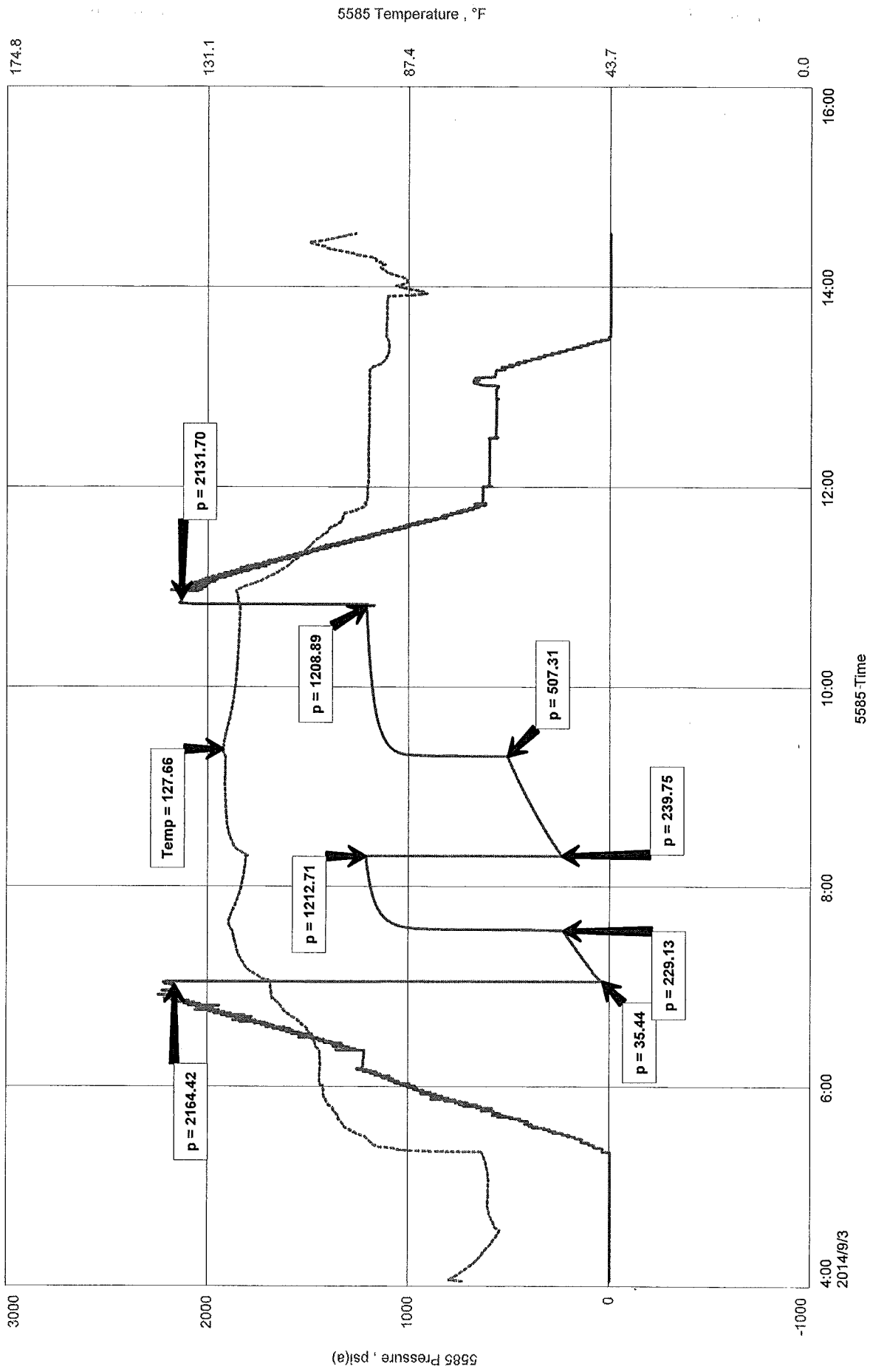
RECOVERY:	1668' GIP	GRAVITY: 29 @ 60 deg
	1161' GO 15% G, 85% O	
	126' MCGO 10% G, 72% O, 18% M	
	1287' TOTAL FLUID	

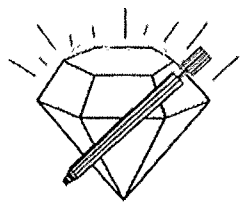
TOOL SAMPLE: 80% O, 20% M

VAL ENERGY INC
DST 2 ALT "B&C" 4465-4514
Start Test Date: 2014/09/03
Final Test Date: 2014/09/03

KIRK V1-7
Formation: DST 2 ALT "B&C" 4465-4514
Pool: FRICK
Job Number: A089

KIRK V1-7





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
KIRKV1-7DST3

Company Val Energy, Inc. Lease & Well No. Kirk No. V1-7
Elevation 3094 KB Formation Pawnee/Myrick/Fort Scott Effective Pay _____ Ft. Ticket No. A090
Date 9-4-14 Sec. 7 Twp. 17S Range 33W County Scott State Kansas
Test Approved By Harley K. Sayles Diamond Representative Andy Carreira

Formation Test No. 3 Interval Tested from 4,517 ft. to 4,596 ft. Total Depth 4,596 ft.
Packer Depth 4,512 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,517 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,498 ft. Recorder Number 5585 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,519 ft. Recorder Number 8471 Cap. 10,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length _____ ft. I.D. _____ in.
Mud Type Chemical Viscosity 57 Weight Pipe Length _____ ft. I.D. _____ in.
Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 4,484 ft. I.D. 3 1/2 in.
Chlorides 4,000 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 9 Anchor Length 79 ft. 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: Very weak, surface blow. Died in 10 mins. No blow back during shut-in.

2nd Open: No blow. No blow back during shut-in.

Recovered 5 ft. of slightly oil specked mud = .071150 bbls. (Grind out: <1%-oil; >99%-mud)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: <1%-oil; >99%-mud

Time Set Packer(s) 7:11 A.M. Time Started off Bottom 9:11 A.M. Maximum Temperature 119°
Initial Hydrostatic Pressure.....(A) 2159 P.S.I.
Initial Flow Period.....Minutes 30 (B) 6 P.S.I. to (C) 6 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 147 P.S.I.
Final Flow Period.....Minutes 30 (E) 8 P.S.I. to (F) 9 P.S.I.
Final Closed In Period.....Minutes 30 (G) 80 P.S.I.
Final Hydrostatic Pressure.....(H) 2121 P.S.I.

DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	VAL ENERGY INC	DUSTIN WYER	Job Number	A090
Contact		KIRK V1-7	Representative	ANDY CARREIRA
Well Name		4517-4596	Well Operator	VAL ENERGY INC
Unique Well ID	DST 3 PAWNEE/MYRICK/FT. SCOTT	SEC 7-17S-33W SCOTT CNTY,KS	Report Date	2014/09/04
Surface Location			Prepared By	ANDY CARREIRA
Well License Number				
Field		FRICK		
Well Type		Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST 3 PAWNEE/MYRICK/FT. SCOTT 4517-4596
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/09/04	Start Test Time	04:52:00
Final Test Date	2014/09/04	Final Test Time	11:05:00

Gauge Name	5585
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Test Results

RECOVERY: 5' SOSM less than 1% oil, MUD

TOOL SAMPLE: less than 1% oil, MUD

VAL ENERGY INC

DST 3 PAWNEE/MYRICK/FT. SCOTT 4517-4596

Start Test Date: 2014/09/04

Final Test Date: 2014/09/04

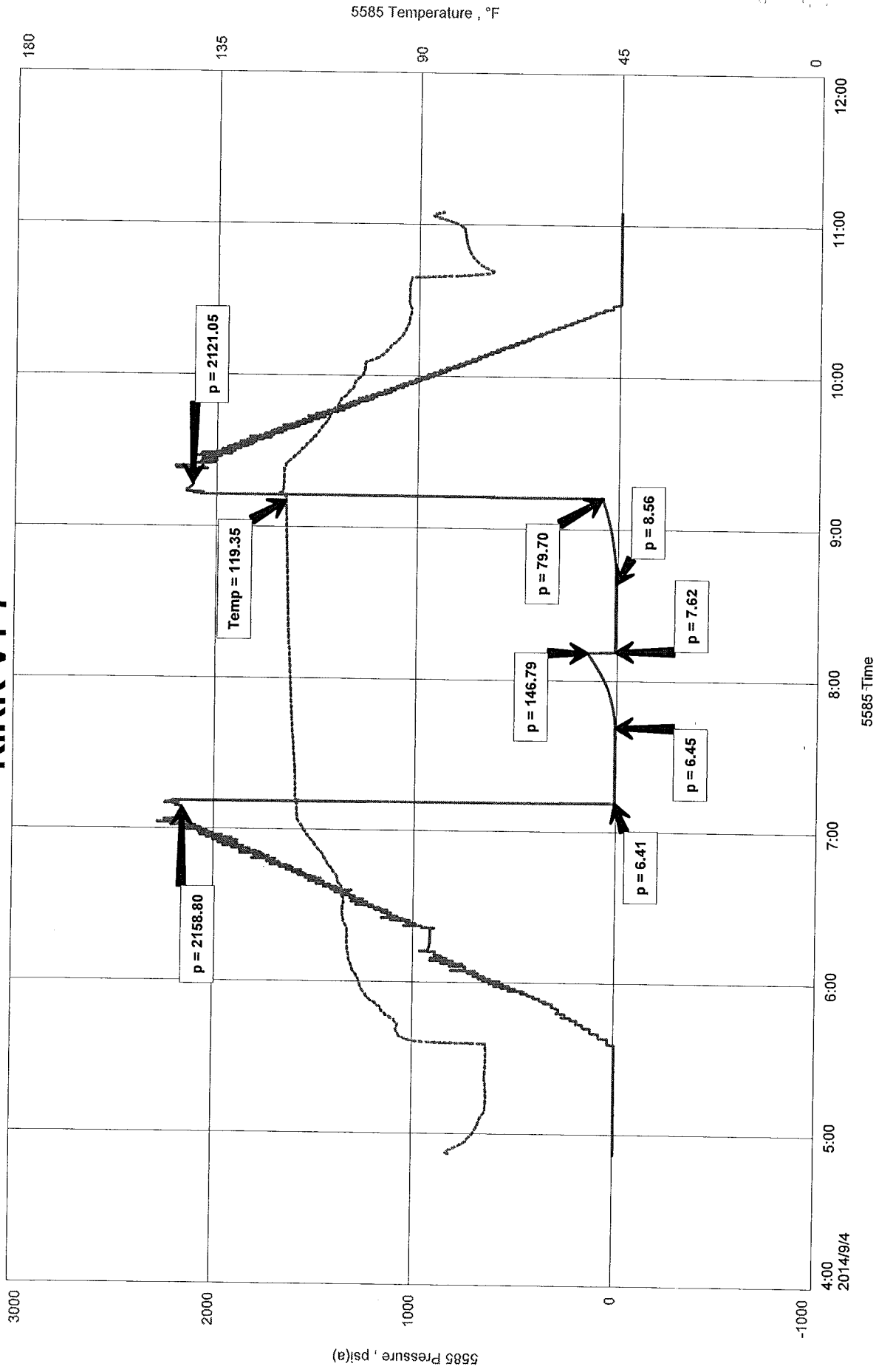
KIRK V1-7

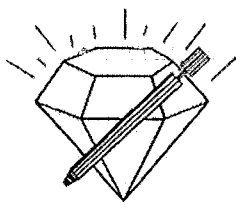
Formation: DST 3 PAWNEE/MYRICK/FT. SCOTT 4517-4596

Pool: FRICK

Job Number: A090

KIRK V1-7





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 KIRKV1-7DST4

Company Val Energy, Inc. Lease & Well No. Kirk No. V1-7
 Elevation 3094 KB Formation Cherokee/Johnson Effective Pay _____ Ft. Ticket No. A091
 Date 9-5-14 Sec. 7 Twp. 17S Range 33W County Scott State Kansas
 Test Approved By Harley K. Sayles Diamond Representative Andy Carreira

Formation Test No. 4 Interval Tested from 4,599 ft. to 4,730 ft. Total Depth 4,730 ft.
 Packer Depth 4,594 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4,599 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,580 ft. Recorder Number 5585 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 4,601 ft. Recorder Number 8471 Cap. 10,000 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length _____ ft. I.D. _____ in.
 Mud Type Chemical Viscosity 55 Weight Pipe Length _____ ft. I.D. _____ in.
 Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 4,566 ft. I.D. 3 1/2 in.
 Chlorides 4,500 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 9 Anchor Length 131 ft. 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: Very weak, surface blow. Died in 5 mins. No blow back during shut-in.

2nd Open: No blow. No blow back during shut-in.

Recovered 10 ft. of drilling mud = .142300 bbls. (Grind out: 100%-mud)
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks Tool Sample Grind Out: 100%-mud

Time Set Packer(s) 5:22 A.M. Time Started off Bottom 7:22 A.M. Maximum Temperature 121°
 Initial Hydrostatic Pressure.....(A) 2211 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 8 P.S.I. to (C) 11 P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 668 P.S.I.
 Final Flow Period.....Minutes 30 (E) 12 P.S.I. to (F) 15 P.S.I.
 Final Closed In Period.....Minutes 30 (G) 513 P.S.I.
 Final Hydrostatic Pressure.....(H) 2183 P.S.I.

DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	VAL ENERGY INC	DUSTIN WYER	Job Number	A091
Contact		KIRK V1-7	Representative	ANDY CARREIRA
Well Name		DST 4 CHEROKEE/JOHNSON 4599-4730	Well Operator	VAL ENERGY INC
Unique Well ID		SEC 7-17S-33W SCOTT CNTY,KS	Report Date	2014/09/05
Surface Location			Prepared By	ANDY CARREIRA
Well License Number				
Field		FRICK		
Well Type		Vertical		

Test Information

Test Type	CONVENTIONAL		
Formation	DST 4 CHEROKEE/JOHNSON 4599-4730		
Well Fluid Type	01 Oil		
Test Purpose	Initial Test		
Start Test Date	2014/09/05	Start Test Time	02:40:00
Final Test Date	2014/09/05	Final Test Time	09:27:00

Gauge Name 5585

Test Results

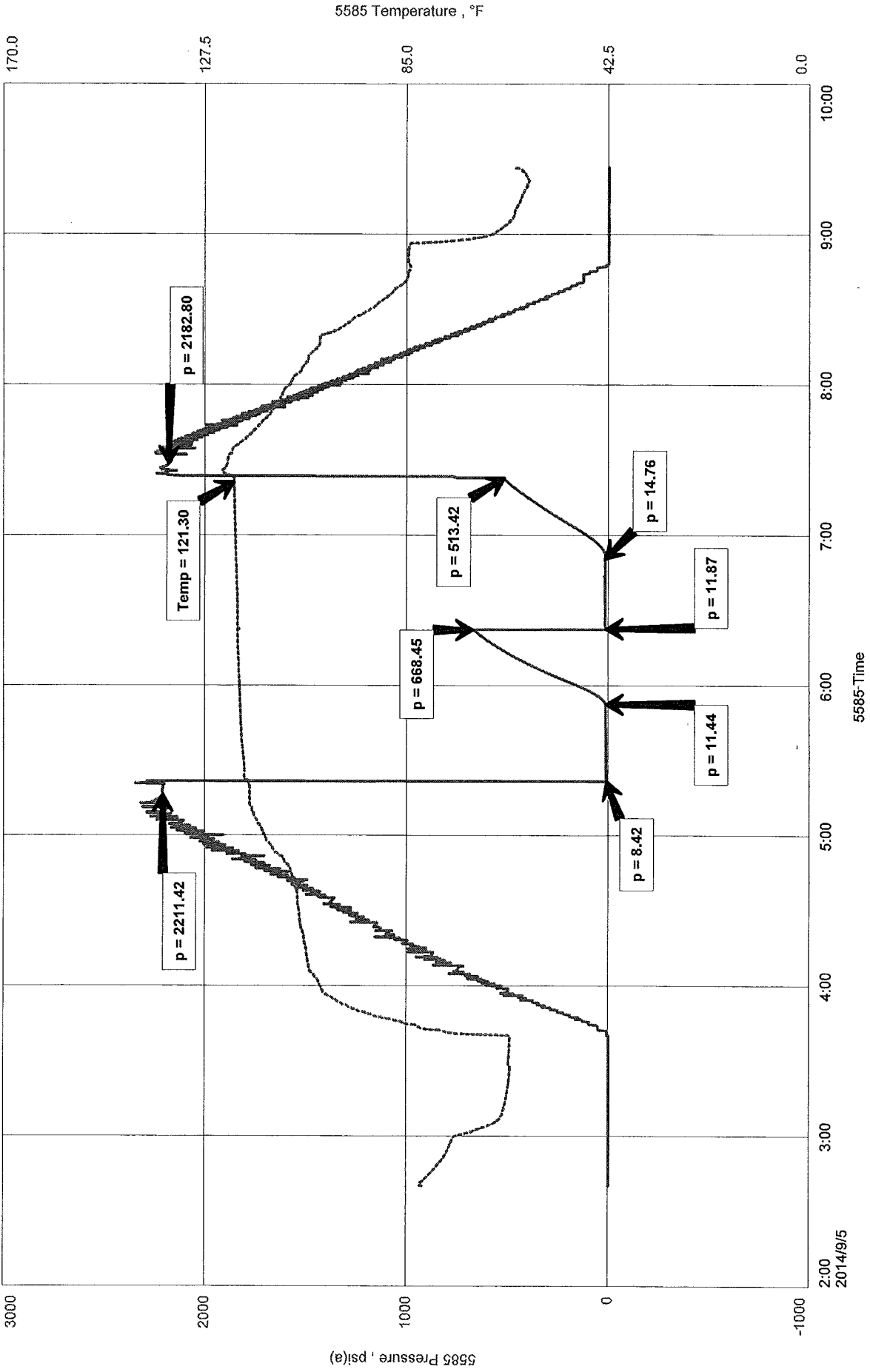
RECOVERY: 10' DM 100% MUD

TOOL SAMPLE: 100% MUD

VAL ENERGY INC
DST 4 CHEROKEE/JOHNSON 4599-4730
Start Test Date: 2014/09/05
Final Test Date: 2014/09/05

KIRK V1-7
Formation: DST 4 CHEROKEE/JOHNSON 4599-4730
Pool: FRICK
Job Number: A091

KIRK V1-7



5585 Temperature, °F

5585 Pressure, psia(a)

5585-Time