

**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
4-HFoundation1-17DST1

Company Val Energy, Inc. Lease & Well No. 4-H Foundation No. 1-17  
Elevation 3079 KB Formation Altamont "A" Effective Pay \_\_\_\_\_ Ft. Ticket No. JB08  
Date 12-5-14 Sec. 17 Twp. 17S Range 33W County Scott State Kansas  
Test Approved By Harley K. Sayles Diamond Representative Jeff Brown

Formation Test No. 1 Interval Tested from 4,385 ft. to 4,460 ft. Total Depth 4,460 ft.  
Packer Depth 4,380 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,385 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 4,366 ft. Recorder Number 0060 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 4,422 ft. Recorder Number 5517 Cap. 5,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length 30 ft I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 50 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 4,323 ft I.D. 3 1/2 in.  
Chlorides 4,100 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 11 Anchor Length 75 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: Good blow increasing. Off bottom of bucket in 19 mins. No blow back during shut-in.  
2nd Open: Good blow increasing. Off bottom of bucket in 30 mins. No blow back during shut-in.

Recovered 31 ft. of mud w/ oil spots = .441130 bbls.  
Recovered 126 ft. of slightly water cut mud w/ oil spots = 1.792980 bbls. (Grind out: 5%-water; 95%-mud)  
Recovered 189 ft. of watery mud = 2.689470 bbls. (Grind out: 30%-water; 70%-mud)  
Recovered 189 ft. of slightly mud cut water = 2.410170 bbls. (Grind out: 95%-water; 5%-mud)  
Recovered 535 ft. of TOTAL FLUID = 7.333750 bbls.

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks Tool Sample Grind Out: Mud w/ oil spots

Time Set Packer(s) 12:52 P.M. Time Started off Bottom 4:37 P.M. Maximum Temperature 124°  
Initial Hydrostatic Pressure.....(A) 2070 P.S.I.  
Initial Flow Period.....Minutes 45 (B) 23 P.S.I. to (C) 135 P.S.I.  
Initial Closed In Period.....Minutes 60 (D) 1160 P.S.I.  
Final Flow Period.....Minutes 60 (E) 139 P.S.I. to (F) 251 P.S.I.  
Final Closed In Period.....Minutes 60 (G) 1107 P.S.I.  
Final Hydrostatic Pressure.....(H) 2070 P.S.I.



**Hoisington, Kansas**

**JEFF BROWN**  
**620-617-6373**  
**brown.dtlc@gmail.com**

**General Information**

Company Name VAL ENERGY, INC

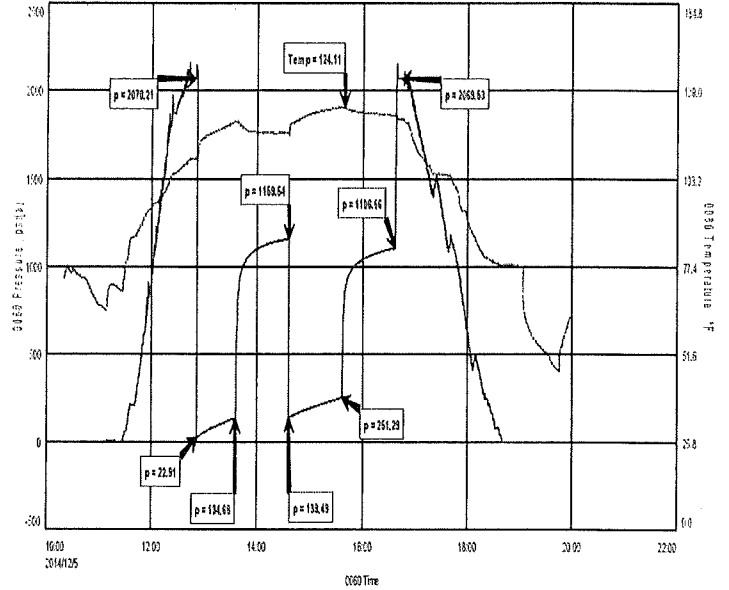
**Test Information**

Contact	DUSTIN WYER
Well Name	4-H FOUNDATION 1-17
Unique Well ID	DST 1 ALTAMONT A 4385-4460
Surface Location	SEC 17-17S-33W SCOTT CNTY, KS
Field	WILDCAT
Well Operator	VAL ENERGY, INC
Test Type	Drill Stem Test
Formation	DST 1 ALTAMONT A 4385-4460
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test
Start Test Date	2014/12/05
Start Test Time	10:20:00
Final Test Date	2014/12/05
Final Test Time	20:01:00
Job Number	JB08
Representative	JEFF BROWN
Prepared By	JEFF BROWN
Report Date	2014/12/05

VAL ENERGY, INC  
 DST 1 ALTAMONT A 4385-4460  
 Start Test Date: 2014/12/05  
 Final Test Date: 2014/12/05

4H FOUNDATION 1-17  
 Formation: DST 1 ALTAMONT A 4385-4460  
 Pool: WILDCAT  
 Job Number: JB08

**4-H FOUNDATION 1-17**

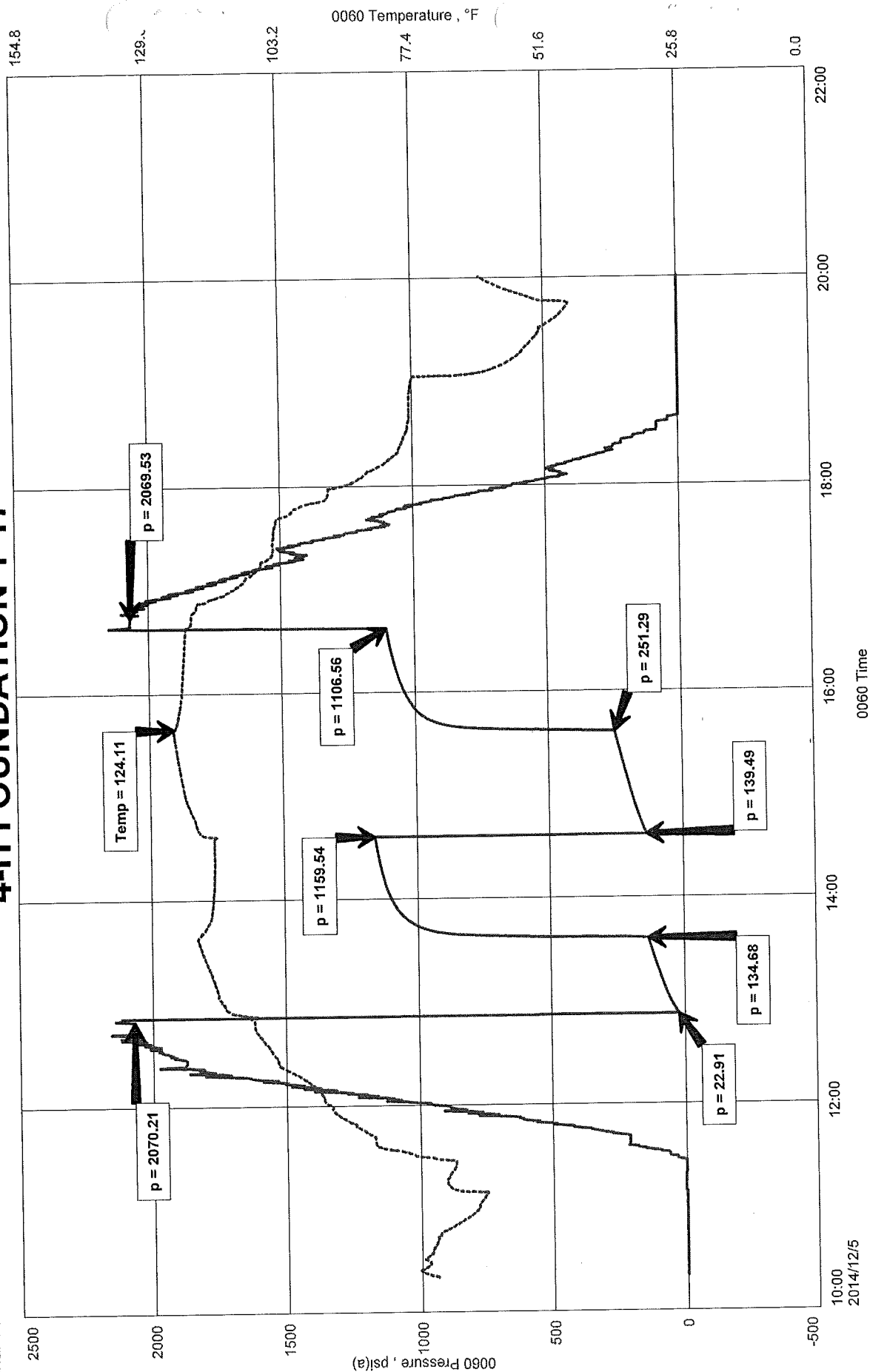


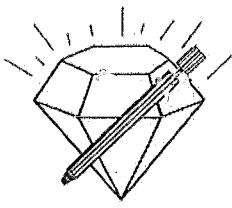
**FLUID RECOVERY**

**FLUID RECOVERY: 31' MUD WITH OIL SPOTS**  
 126' SLWCM WITH OIL SPOTS 5% W, 95% M  
 189' WM 30% W, 70% M  
 189' SLMCW 95% W, 5% M  
 535' TOTAL FLUID

**TOOL SAMPLE: MUD WITH OIL SPOTS**

# 4-H FOUNDATION 1-17





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4-HFoundation1-17DST2

Company Val Energy, Inc. Lease & Well No. 4-H Foundation No. 1-17  
Elevation 3079 KB Formation Altamont "B & C"/Pawnee/Fort Scott Effective Pay \_\_\_\_\_ Ft. Ticket No. JB09  
Date 12-6-14 Sec. 17 Twp. 17S Range 33W County Scott State Kansas  
Test Approved By Harley K. Sayles Diamond Representative Jeff Brown

Formation Test No. 2 Interval Tested from 4,470 ft. to 4,590 ft. Total Depth 4,590 ft.  
Packer Depth 4,465 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,470 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 4,451 ft. Recorder Number 0060 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 4,570 ft. Recorder Number 5517 Cap. 5,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length 30 ft I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 47 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 4,408 ft I.D. 3 1/2 in.  
Chlorides 6,000 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 11 Anchor Length 120 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: Weak blow increasing to 1/4 in. No blow back during shut-in.

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

Recovered 5 ft. of mud = .024600 bbls.  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks Tool Sample Grind Out: Mud

Time Set Packer(s) 3:25 P.M. Time Started off Bottom 5:40 P.M. Maximum Temperature 112°  
Initial Hydrostatic Pressure.....(A) 2113 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 13 P.S.I. to (C) 15 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 90 P.S.I.  
Final Flow Period.....Minutes 30 (E) 15 P.S.I. to (F) 15 P.S.I.  
Final Closed In Period.....Minutes 45 (G) 101 P.S.I.  
Final Hydrostatic Pressure.....(H) 2085 P.S.I.



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 brown.dtlc@gmail.com

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Company Name VAL ENERGY, INC

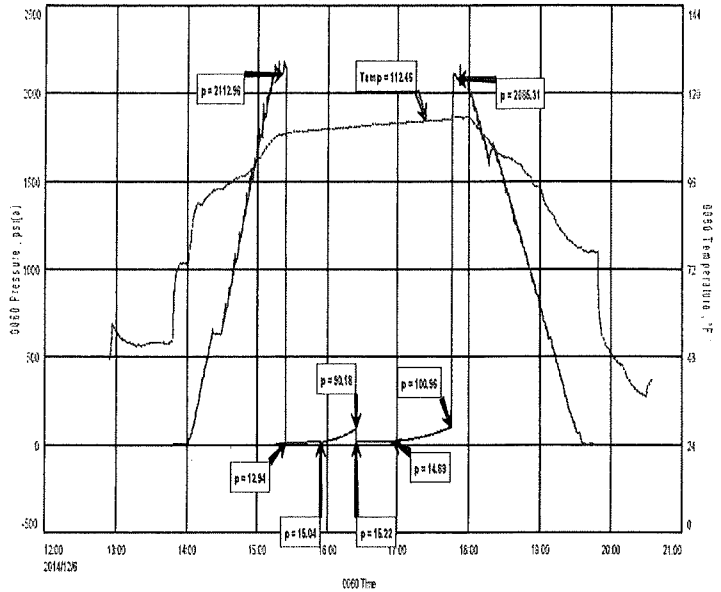
**Test Information**

Contact	DUSTIN WYER
Well Name	4-H FOUNDATION 1-17
Unique Well ID	DST 2 ALT "B&C",PAWNEE,FT SCOTT 4470-4590
Surface Location	SEC 17-17S-33W SCOTT CNTY, KS
Field	WILDCAT
Well Operator	VAL ENERGY, INC
Test Type	Drill Stem Test
Formation	DST 2 ALT "B&C",PAWNEE,FT SCOTT 4470-4590
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test
Start Test Date	2014/12/06
Start Test Time	12:54:00
Final Test Date	2014/12/06
Final Test Time	20:35:00
Job Number	JB09
Representative	JEFF BROWN
Prepared By	JEFF BROWN
Report Date	2014/12/06

VAL ENERGY, INC  
 DST 2 ALT "B&C",PAWNEE,FT SCOTT 4470-4590  
 Start Test Date: 2014/12/06  
 Final Test Date: 2014/12/06

4H FOUNDATION 1-17  
 Formation DST 2 ALT "B&C",PAWNEE,FT SCOTT 4470-4590  
 Pool WILDCAT  
 Job Number JB09

**4-H FOUNDATION 1-17**

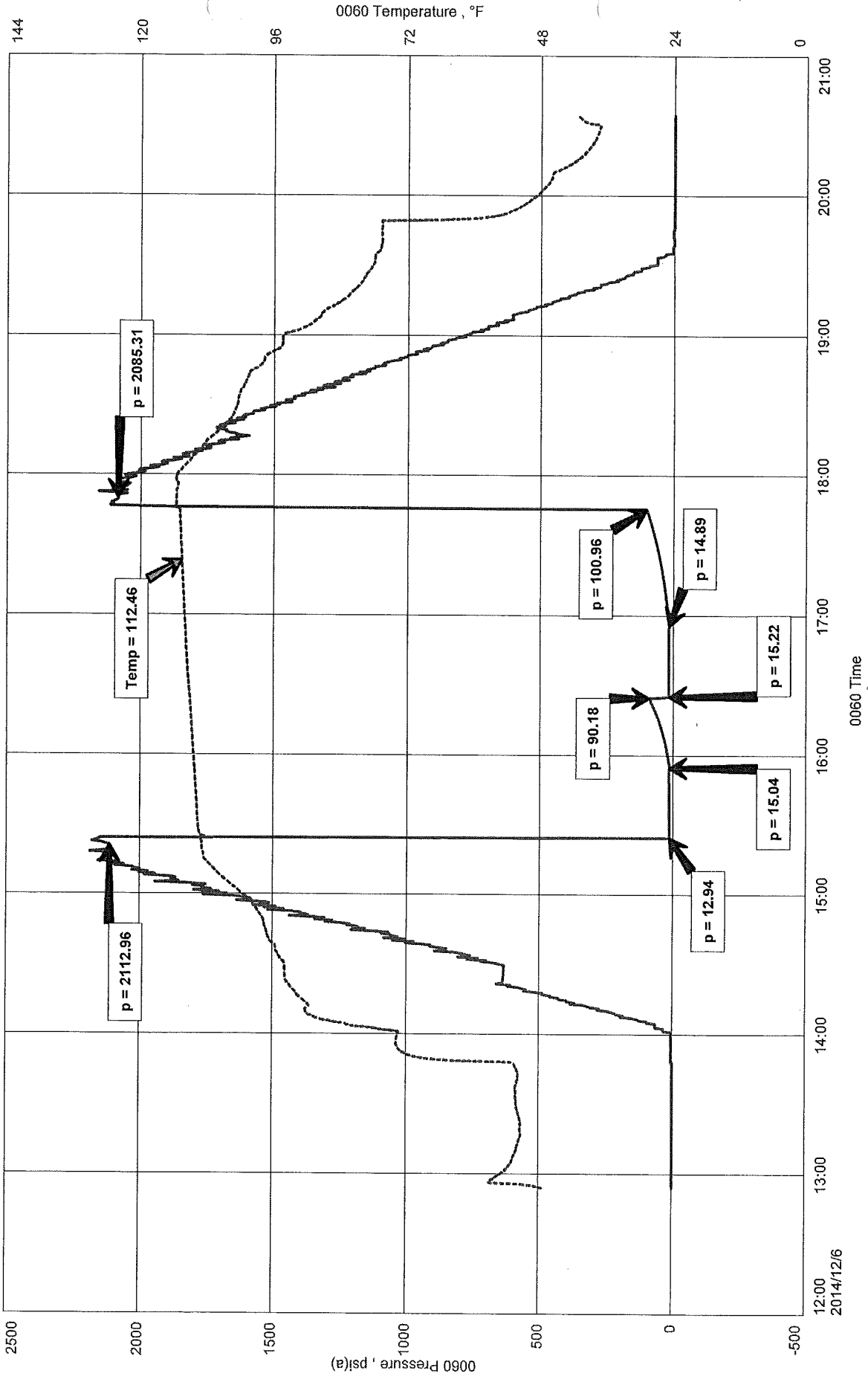


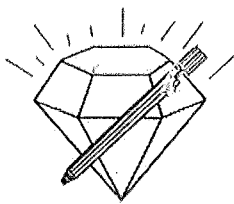
**FLUID RECOVERY**

TEST RESULTS: 5' OF MUD

TOOL SAMPLE: MUD

# 4-H FOUNDATION 1-17





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4-HFoundation1-17DST3

Company Val Energy, Inc. Lease & Well No. 4-H Foundation No. 1-17  
Elevation 3079 KB Formation Johnson & Atoka Sand Effective Pay      Ft. Ticket No. JB10  
Date 12-7-14 Sec. 17 Twp. 17S Range 33W County Scott State Kansas  
Test Approved By Harley K. Sayles Diamond Representative Jeff Brown

Formation Test No. 3 Interval Tested from 4,668 ft. to 4,730 ft. Total Depth 4,730 ft.  
Packer Depth 4,663 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 4,668 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,649 ft. Recorder Number 0060 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 4,705 ft. Recorder Number 5517 Cap. 5,000 psi.  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi.

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length 30 ft I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 54 Weight Pipe Length      ft I.D.      in.  
Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 4,606 ft I.D. 3 1/2 in.  
Chlorides 6,200 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 11 Anchor Length 62 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: Weak, surface blow. No blow back during shut-in.  
2nd Open: No blow. No blow back during shut-in.

Recovered 2 ft. of mud w/ oil spots = .009840 bbls.  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of     

Remarks Tool Sample Grind Out: Mud w/ oil spots

Time Set Packer(s) 4:48 P.M. Time Started off Bottom 7:03 P.M. Maximum Temperature 116°  
Initial Hydrostatic Pressure.....(A) 2230 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 13 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 31 P.S.I.  
Final Flow Period.....Minutes 30 (E) 13 P.S.I. to (F) 12 P.S.I.  
Final Closed In Period.....Minutes 45 (G) 24 P.S.I.  
Final Hydrostatic Pressure.....(H) 2192 P.S.I.



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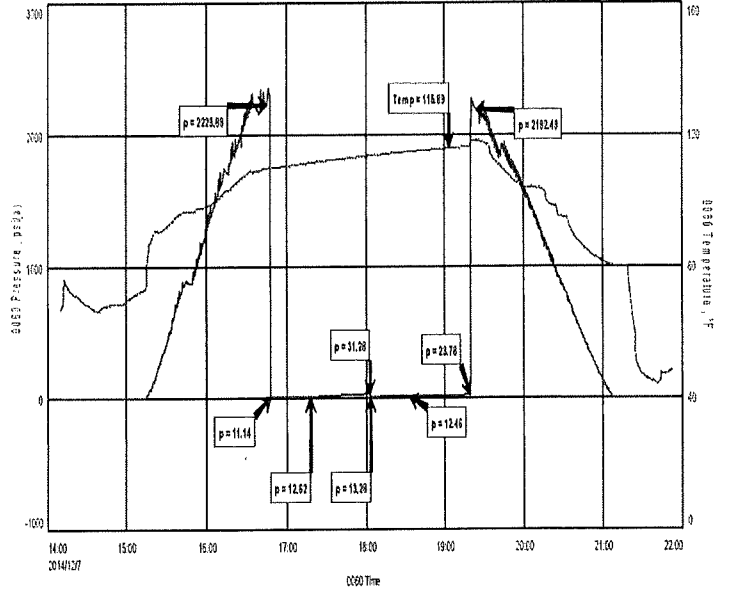
**Test Information**

Contact  
 Well Name  
 Unique Well ID  
 Surface Location  
 Field  
 Well Operator  
 Test Type  
 Formation  
 Well Fluid Type  
 Test Purpose (AEUB)  
 Start Test Date  
 Start Test Time  
 Final Test Date  
 Final Test Time  
 Job Number  
 Representative  
 Prepared By  
 Report Date

DUSTIN WYER  
 4-H FOUNDATION 1-17  
 DST 3 JOHNSON & ATOKA SD 4668-4730  
 SEC 17-17S-33W SCOTT CNTY, KS  
 WILDCAT  
 VAL ENERGY, INC  
 Drill Stem Test  
 DST 3 JOHNSON & ATOKA SD 4668-4730  
 01 Oil  
 Initial Test  
 2014/12/07  
 14:10:00  
 2014/12/07  
 21:53:00  
 JB10  
 JEFF BROWN  
 JEFF BROWN  
 2014/12/07

VAL ENERGY, INC  
 DST 3 JOHNSON & ATOKA SD 4668-4730  
 Start Test Date: 2014/12/07  
 Final Test Date: 2014/12/07  
 4H FOUNDATION 1-17  
 Formation: DST 3 JOHNSON & ATOKA SD 4668-4730  
 Field: WILDCAT  
 Job Number: JB10

**4-H FOUNDATION 1-17**



**FLUID RECOVERY**

RECOVERY: 2' OF MUD WITH OIL SPOT'S

TOOL SAMPLE: MUD WITH OIL SPOTS



VAL ENERGY, INC  
DST 3 JOHNSON & ATOKA SD 4668-4730  
Start Test Date: 2014/12/07  
Final Test Date: 2014/12/07

4-H FOUNDATION 1-17  
Formation: DST 3 JOHNSON & ATOKA SD 4668-4730  
Pool: WILDCAT  
Job Number: JB10

# 4-H FOUNDATION 1-17

