



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Fredrickson 1 DST 1

TIME ON: 17:35
TIME OFF: 00:20

Company Ritchie Exploration Lease & Well No. Fredrickson 1
Contractor WW 2 Charge to Ritchie
Elevation 2754 KB Formation Toronto Effective Pay _____ Ft. Ticket No. W163
Date 2-5-05 Sec. 32 Twp. _____ 5 S Range _____ 29 W County Decatur State KANSAS
Test Approved By _____ Diamond Representative Wilbur Steinbeck

Formation Test No. 1 Interval Tested from 3793 ft. to 3840 ft. Total Depth 3840 ft.
Packer Depth 3788 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3793 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3780 ft. Recorder Number 5446 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3794 ft. Recorder Number 5965 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 66 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1500 P.P.M. Drill Pipe Length 3637 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 07 Test Tool Length 35 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 47 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Built to 1 1/2" No Return
2nd Open: No Blow No Return

Recovered 60 ft. of Mud with slight oil spots
Recovered 60 ft. of Total Fluid
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
Tool Sample Mud _____	
	Total

Time Set Packer(s) 19:55 A.M. P.M. Time Started Off Bottom 22:25 A.M. P.M. Maximum Temperature 110

Initial Hydrostatic Pressure..... (A) 1814 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 37 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1305 P.S.I.
Final Flow Period..... Minutes 30 (E) 28 P.S.I. to (F) 46 P.S.I.
Final Closed In Period..... Minutes 45 (G) 1301 P.S.I.
Final Hydrostatic Pressure..... (H) 1799 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

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	Ritchie Exploration	Max Lovely	Job Number	W163
Contact		Fredrickson 1	Representative	Wilbur Steinbeck
Well Name		DST 1 Toronto 3793-3840	Well Operator	WW 2
Unique Well ID		32-5s-29w Decatur/Kans	Report Date	2015/02/05
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Max Lovely

Test Information

Test Type	Conventional		
Formation	Toronto		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/02/05	Start Test Time	17:35:00
Final Test Date	2015/02/06	Final Test Time	00:20:00

Test Recovery

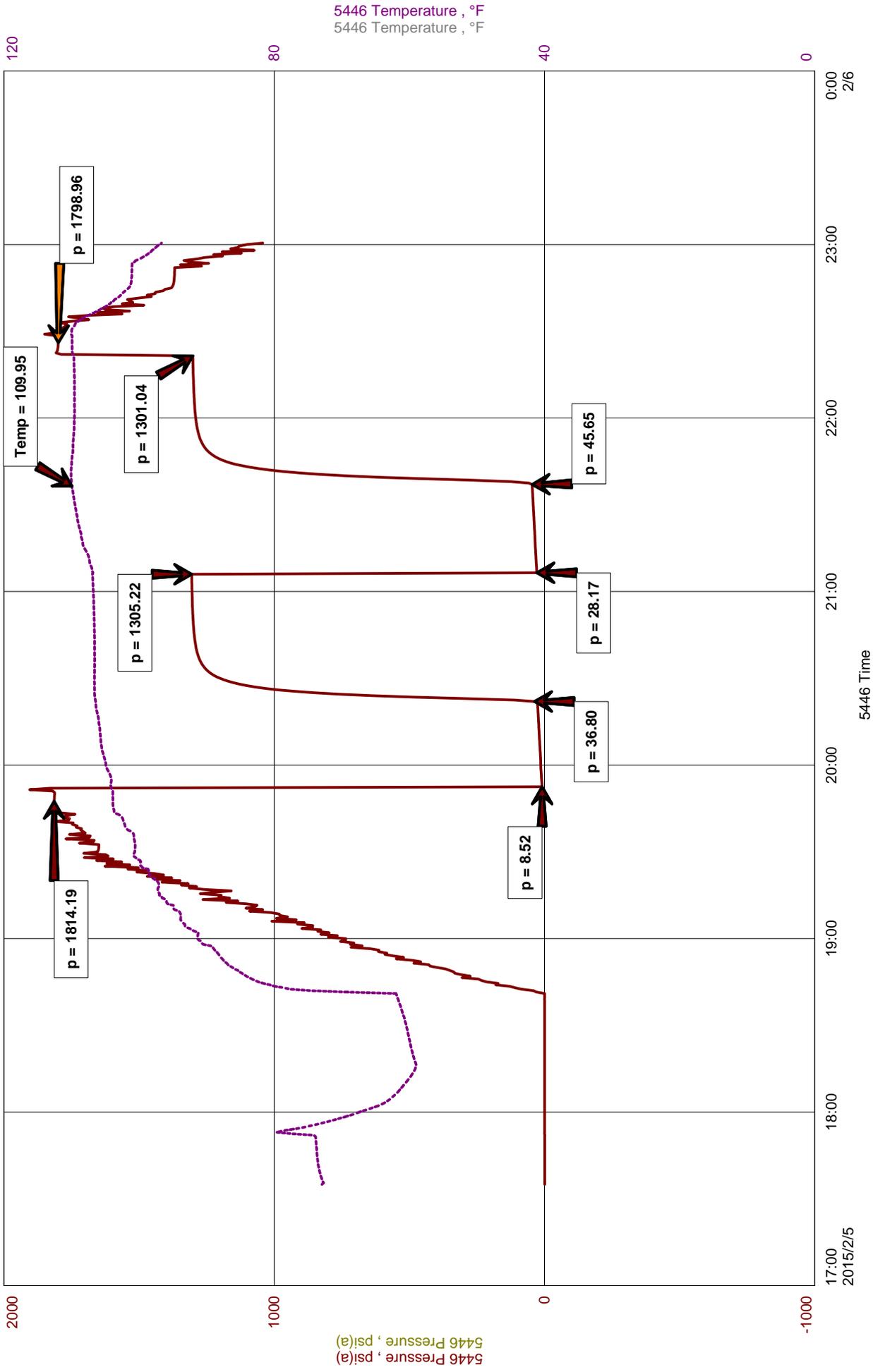
Recovery 60' Mud with Slight oil spots
60' Total Fluid

Tool Sample Mud

Ritchie Exploration
DST 1 Toronto 3793-3840
Start Test Date: 2015/02/05
Final Test Date: 2015/02/06

Fredrickson 1
Formation: Toronto
Job Number: W163

Fredrickson 1 DST 1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Fredrickson 1 DST 2

TIME ON: 8:35
TIME OFF: 15:46

Company Ritchie Exploration Lease & Well No. Fredrickson 1
Contractor WW 2 Charge to Ritchie
Elevation 2754 KB Formation Lan C Effective Pay _____ Ft. Ticket No. W164
Date 2-6-05 Sec. 32 Twp. 5 S Range 29 W County Decatur State KANSAS
Test Approved By _____ Diamond Representative Wilbur Steinbeck

Formation Test No. 2 Interval Tested from 3848 ft. to 3877 ft. Total Depth 3877 ft.
Packer Depth 3843 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3848 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3835 ft. Recorder Number 5446 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3849 ft. Recorder Number 5965 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 66 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1500 P.P.M. Drill Pipe Length 3692 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 07 Test Tool Length 35 ft. Tool Size 3 1/2-IF in.
Did Well Flow? Yes Reversed Out No Anchor Length 29 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 7 min Built to 5"
2nd Open: BOB in 12 min Built to 5"

Recovered 660 ft. of Gassy Free Oil
Recovered 180 ft. of GMCO 10%G 40% 50%
Recovered 840 ft. of Total Fluid
Recovered 180 ft. of GIP

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	110 Miles RT Other Charges
Remarks: _____	Insurance
Tool Sample Free Oil	
Corrected Gravity= <u>27</u>	Total

Time Set Packer(s) 10:33 A.M. P.M. Time Started Off Bottom 13:33 A.M. P.M. Maximum Temperature 122

Initial Hydrostatic Pressure..... (A) 1852 P.S.I.
Initial Flow Period..... Minutes 30 (B) 50 P.S.I. to (C) 168 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1170 P.S.I.
Final Flow Period..... Minutes 45 (E) 183 P.S.I. to (F) 302 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1149 P.S.I.
Final Hydrostatic Pressure..... (H) 1838 P.S.I.

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Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	Ritchie Exploration	Job Number	W164
Contact	Max Lovely	Representative	Wilbur Steinbeck
Well Name	Fredrickson 1	Well Operator	WW 2
Unique Well ID	DST 2 Lan C 3848-3877	Report Date	2015/02/06
Surface Location	32-5s-29w Decatur/Kans	Prepared By	Wilbur Steinbeck
Field	Wildcat	Qualified By	Max Lovely

Test Information

Test Type	Conventional		
Formation	Lan C		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/02/06	Start Test Time	08:38:00
Final Test Date	2015/02/06	Final Test Time	15:46:00

Test Recovery

Recovery 660' Gassy Free oil
 180' Mud with Slight oil spots
 840' Total Fluid
 180' GIP

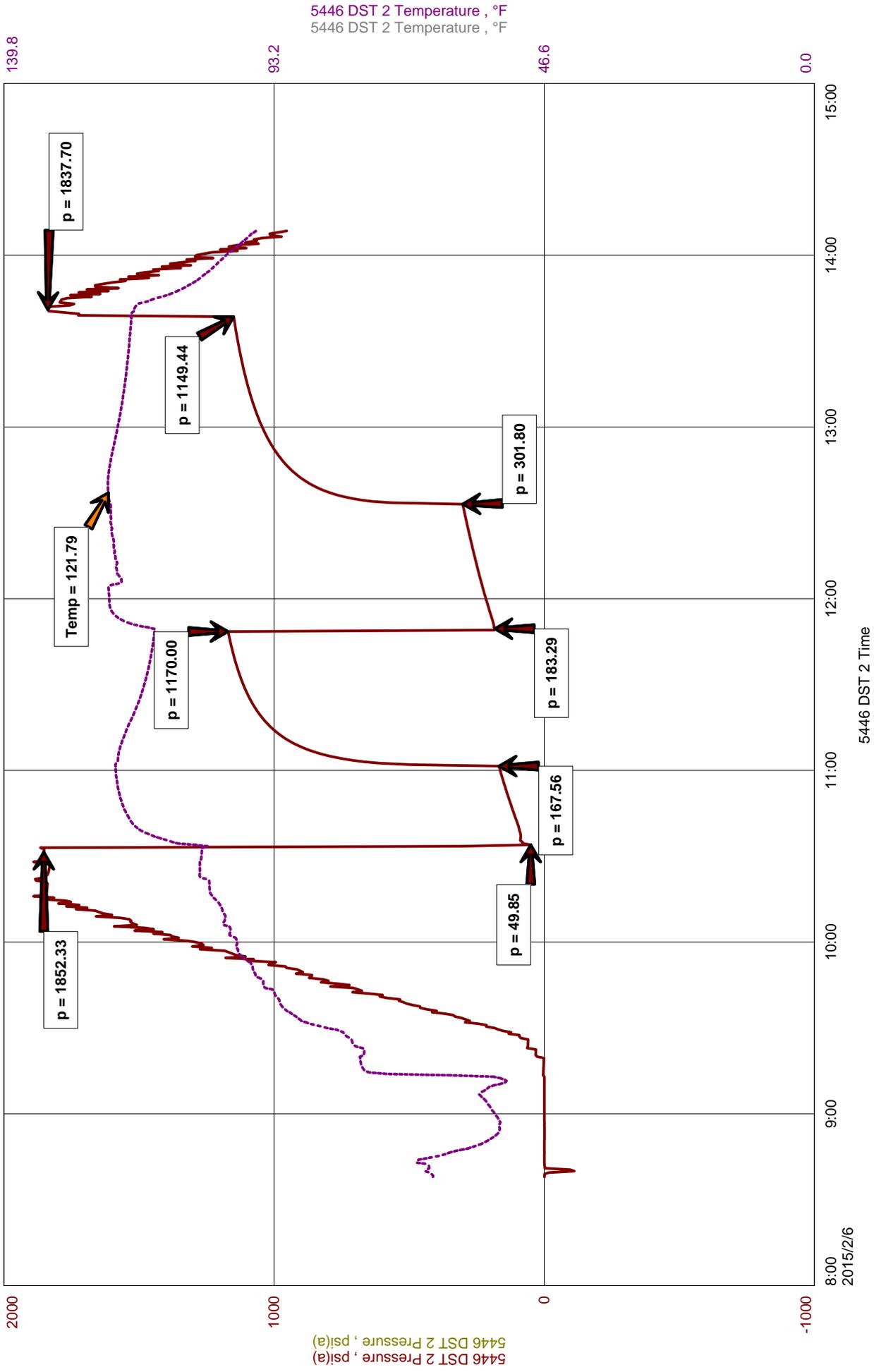
Tool Sample Free Oil

Corrected Gravity=27

Ritchie Exploration
DST 2 Lan C 3848-3877
Start Test Date: 2015/02/06
Final Test Date: 2015/02/06

Fredrickson 1
Formation: Lan C
Job Number: W164

Fredrickson 1 DST 2





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Fredrickson 1 DST 3

TIME ON: 21:57
TIME OFF: 4:55

Company Ritchie Exploration Lease & Well No. Fredrickson 1
Contractor WW 2 Charge to Ritchie
Elevation 2754 KB Formation _____ Lan D Effective Pay _____ Ft. Ticket No. W165
Date 2-6-05 Sec. 32 Twp. _____ 5 S Range _____ 29 W County _____ Decatur State KANSAS
Test Approved By _____ Diamond Representative Wilbur Steinbeck

Formation Test No. 3 Interval Tested from 3876 ft. to 3895 ft. Total Depth 3895 ft.
Packer Depth 3871 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3876 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3863 ft. Recorder Number 5446 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3877 ft. Recorder Number 5965 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 54 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1800 P.P.M. Drill Pipe Length 3720 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 07 Test Tool Length 35 ft. Tool Size 3 1/2-IF in.
Did Well Flow? Yes Reversed Out No Anchor Length 19 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 5 min Built to 6 1/4"
2nd Open: BOB in 11 min Built to 7"

Recovered 690 ft. of Gassy Free Oil
Recovered 180 ft. of GMCO 10%G 40% 50%
Recovered 870 ft. of Total Fluid
Recovered 240 ft. of GIP

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	110 Miles RT
Remarks: <u>Shale Packer Used</u>	Insurance
Tool Sample Free Oil	
Corrected Gravity= <u>27.2</u>	Total

Time Set Packer(s) 23:55 A.M. P.M. Time Started Off Bottom 2:55 A.M. P.M. Maximum Temperature 122

Initial Hydrostatic Pressure..... (A) 1830 P.S.I.
Initial Flow Period..... Minutes 30 (B) 34 P.S.I. to (C) 155 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1166 P.S.I.
Final Flow Period..... Minutes 45 (E) 169 P.S.I. to (F) 283 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1109 P.S.I.
Final Hydrostatic Pressure..... (H) 1806 P.S.I.

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Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	Ritchie Exploration	Job Number	W165
Contact	Max Lovely	Representative	Wilbur Steinbeck
Well Name	Fredrickson 1	Well Operator	WW 2
Unique Well ID	DST 3 Lan D 3876-3895	Report Date	2015/02/06
Surface Location	32-5s-29w Decatur/Kans	Prepared By	Wilbur Steinbeck
Field	Wildcat	Qualified By	Max Lovely

Test Information

Test Type	Conventional		
Formation	Lan D		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/02/06	Start Test Time	21:57:00
Final Test Date	2015/02/07	Final Test Time	04:55:00

Test Recovery

Recovery 690' Gassy Free oil
 180' Mud with Slight oil spots
 870' Total Fluid
 240' GIP

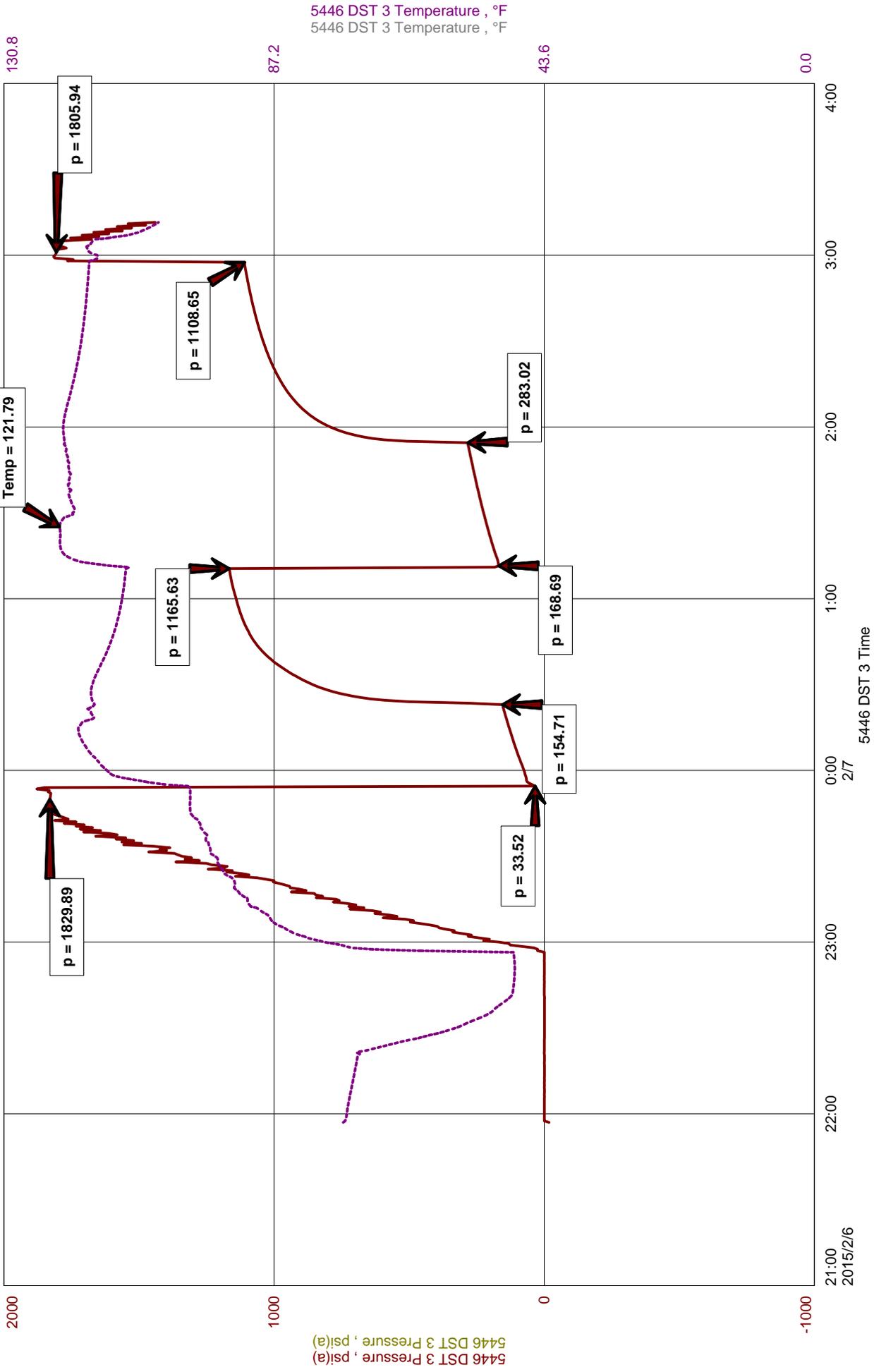
Tool Sample Free Oil

Corrected Gravity=27.2

Ritchie Exploration
DST 3 Lan D 3876-3895
Start Test Date: 2015/02/06
Final Test Date: 2015/02/07

Fredrickson 1
Formation: Lan D
Job Number: W165

Fredrickson 1 DST 3





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Fredrickson 1 DST 4

TIME ON: 11:46
TIME OFF: 18:27

Company Ritchie Exploration Lease & Well No. Fredrickson 1
Contractor WW 2 Charge to Ritchie
Elevation 2754 KB Formation _____ Lan E&F Effective Pay _____ Ft. Ticket No. W166
Date 2-7-05 Sec. 32 Twp. _____ 5 S Range _____ 29 W County _____ Decatur State KANSAS
Test Approved By _____ Diamond Representative Wilbur Steinbeck

Formation Test No. 4 Interval Tested from 3893 ft. to 3921 ft. Total Depth 3921 ft.
Packer Depth 3887 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3893 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3879 ft. Recorder Number 5446 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3894 ft. Recorder Number 5965 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 56 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2200 P.P.M. Drill Pipe Length 3737 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 07 Test Tool Length 35 ft. Tool Size 3 1/2-IF in.
Did Well Flow? Yes Reversed Out No Anchor Length 28 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Built to 4" No Return
2nd Open: Built to 7" No Return

Recovered 60 ft. of Gassy Free Oil
Recovered 120 ft. of GMCO 5%G 25%M 50%O
Recovered 180 ft. of Total Fluid

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>Shale Packer Used</u>	
Tool Sample <u>MCO 15%M 85%</u>	
Corrected Gravity= <u>26.4</u>	Total

Time Set Packer(s) 13:35 A.M. Time Started Off Bottom 16:35 A.M. Maximum Temperature 115
P.M. P.M.

Initial Hydrostatic Pressure..... (A) 1850 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 46 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1265 P.S.I.
Final Flow Period..... Minutes 45 (E) 46 P.S.I. to (F) 65 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1230 P.S.I.
Final Hydrostatic Pressure..... (H) 1847 P.S.I.

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Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	Ritchie Exploration	Job Number	W166
Contact	Max Lovely	Representative	Wilbur Steinbeck
Well Name	Fredrickson 1	Well Operator	WW 2
Unique Well ID	DST 4 Lan E&F 3893-3921	Report Date	2015/02/07
Surface Location	32-5s-29w Decatur/Kans	Prepared By	Wilbur Steinbeck
Field	Wildcat	Qualified By	Max Lovely

Test Information

Test Type	Conventional
Formation	Lan E&F
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test

Start Test Date	2015/02/07	Start Test Time	11:46:00
Final Test Date	2015/02/07	Final Test Time	18:27:00

Test Recovery

Recovery 60' Gassy Free oil
 120' GMCO 5%G 25%M 70%O
 180' Total Fluid

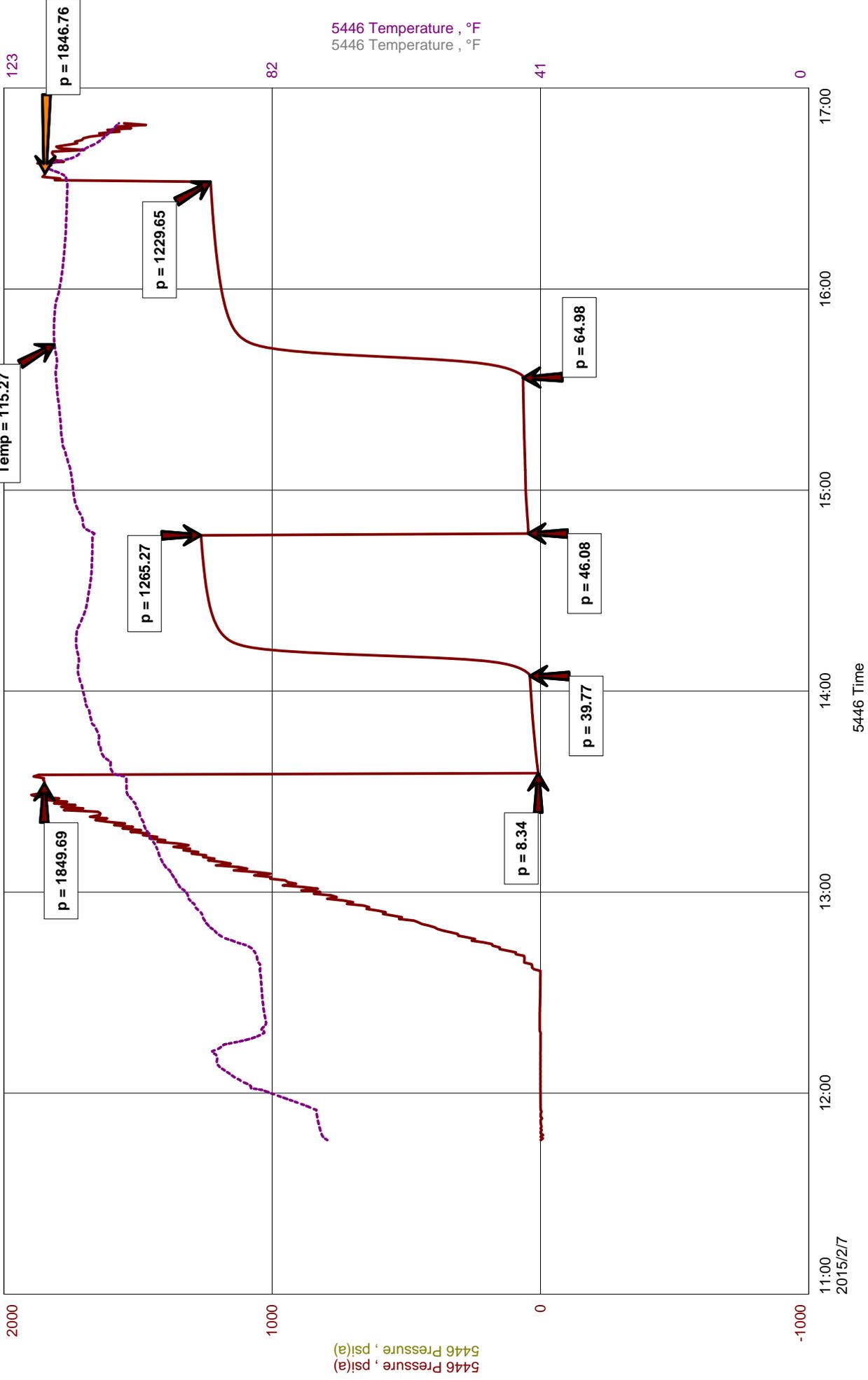
Tool Sample MCO 15%M 85%O

Corrected Gravity=26.4

Ritchie Exploration
DST 4 Lan E&F 3893-3921
Start Test Date: 2015/02/07
Final Test Date: 2015/02/07

Fredrickson 1
Formation: Lan E&F
Job Number: W166

Fredrickson 1 DST 4





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Fredrickson 1 DST 5

TIME ON: 6:45
TIME OFF: 12:50

Company Ritchie Exploration Lease & Well No. Fredrickson 1
Contractor WW 2 Charge to Ritchie
Elevation 2754 KB Formation _____ Lan J Effective Pay _____ Ft. Ticket No. W167
Date 2-8-05 Sec. 32 Twp. _____ 5 S Range _____ 29 W County _____ Decatur State KANSAS
Test Approved By _____ Diamond Representative Wilbur Steinbeck

Formation Test No. 5 Interval Tested from 3964 ft. to 4000 ft. Total Depth 4000 ft.
Packer Depth 3959 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3964 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3950 ft. Recorder Number 5446 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3965 ft. Recorder Number 5965 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 56 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2200 P.P.M. Drill Pipe Length 3808 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 07 Test Tool Length 35 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 36 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Built to 1" died back 1/2" No Return
2nd Open: No Blow after 10 min flushed tool No Blow No Return

Recovered 5 ft. of Mud with oil spots
Recovered 5 ft. of Total Fluid
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>Shale Packer Used</u>	
Tool Sample Mud	
	Total

Time Set Packer(s) 8:35 A.M. P.M. Time Started Off Bottom 11:20 A.M. P.M. Maximum Temperature 113

Initial Hydrostatic Pressure..... (A) 1887 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 9 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 247 P.S.I.
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 19 P.S.I.
Final Closed In Period..... Minutes 45 (G) 376 P.S.I.
Final Hydrostatic Pressure..... (H) 1882 P.S.I.

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Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	Ritchie Exploration	Job Number	W167
Contact	Max Lovely	Representative	Wilbur Steinbeck
Well Name	Fredrickson 1	Well Operator	WW 2
Unique Well ID	DST 5 Lan J 3964-4000	Report Date	2015/02/08
Surface Location	32-5s-29w Decatur/Kans	Prepared By	Wilbur Steinbeck
Field	Wildcat	Qualified By	Max Lovely

Test Information

Test Type	Conventional		
Formation	Lan J		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/02/08	Start Test Time	06:45:00
Final Test Date	2015/02/08	Final Test Time	12:50:00

Test Recovery

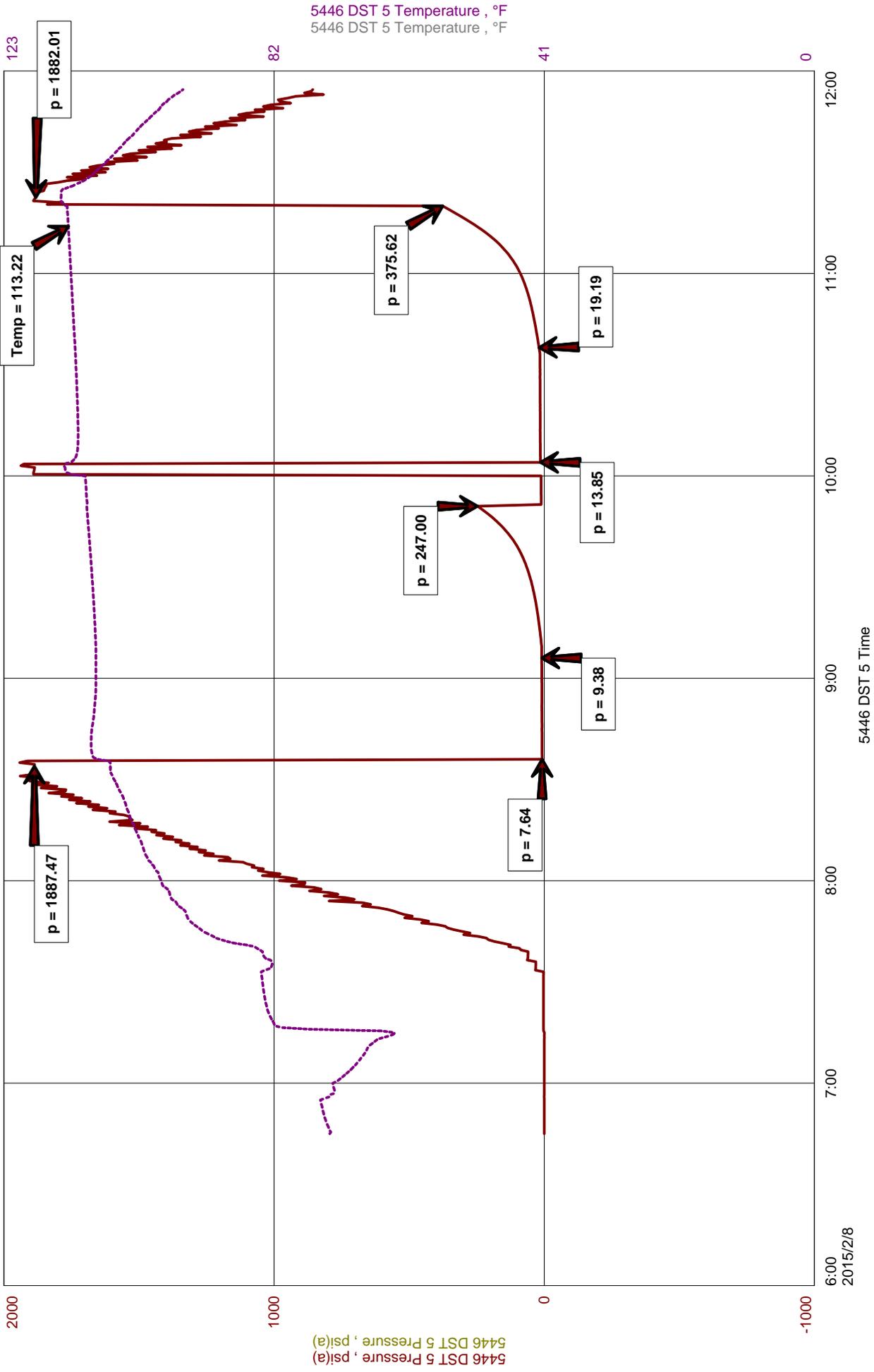
Recovery 5' Mud with oil spots
 5' Total Fluid

Tool Sample Mud

Ritchie Exploration
DST 5 Lan J 3964-4000
Start Test Date: 2015/02/08
Final Test Date: 2015/02/08

Fredrickson 1
Formation: Lan J
Job Number: W167

Fredrickson 1 DST 5



6:00
2015/2/8

5446 DST 5 Time

12:00



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Fredrickson 1 DST 6

TIME ON: 19:38
TIME OFF: 2:00

Company Ritchie Exploration Lease & Well No. Fredrickson 1
Contractor WW 2 Charge to Ritchie
Elevation 2754 KB Formation _____ Lan K Effective Pay _____ Ft. Ticket No. W168
Date 2-8-05 Sec. 32 Twp. _____ 5 S Range _____ 29 W County _____ Decatur State KANSAS
Test Approved By _____ Diamond Representative Wilbur Steinbeck

Formation Test No. 6 Interval Tested from 3998 ft. to 4026 ft. Total Depth 4026 ft.
Packer Depth 3993 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3998 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3984 ft. Recorder Number 5446 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3999 ft. Recorder Number 5965 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 61 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2500 P.P.M. Drill Pipe Length 3842 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 07 Test Tool Length 35 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 28 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Built to 1/2" No Return
2nd Open: No Blow after 10 min flushed tool No Blow No Return

Recovered <u>20</u> ft. of <u>Mud with oil spots</u>	110 Miles RT	Price Job
Recovered <u>20</u> ft. of <u>Total Fluid</u>		Other Charges
Recovered _____ ft. of _____		Insurance
Recovered _____ ft. of _____		
Recovered _____ ft. of _____		
Recovered _____ ft. of _____		
Recovered _____ ft. of _____		Total

Time Set Packer(s) 21:35 A.M. P.M. Time Started Off Bottom 00:25 A.M. P.M. Maximum Temperature 113
Initial Hydrostatic Pressure..... (A) 1915 P.S.I.
Initial Flow Period..... Minutes 30 (B) 23 P.S.I. to (C) 26 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 705 P.S.I.
Final Flow Period..... Minutes 30 (E) 30 P.S.I. to (F) 32 P.S.I.
Final Closed In Period..... Minutes 45 (G) 615 P.S.I.
Final Hydrostatic Pressure..... (H) 1892 P.S.I.

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Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	Ritchie Exploration	Job Number	W168
Contact	Max Lovely	Representative	Wilbur Steinbeck
Well Name	Fredrickson 1	Well Operator	WW 2
Unique Well ID	DST 6 Lan K 3998-4026	Report Date	2015/02/09
Surface Location	32-5s-29w Decatur/Kans	Prepared By	Wilbur Steinbeck
Field	Wildcat	Qualified By	Max Lovely

Test Information

Test Type	Conventional		
Formation	Lan K		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/02/08	Start Test Time	19:38:00
Final Test Date	2015/02/09	Final Test Time	02:00:00

Test Recovery

Recovery 20' Mud with oil spots
 20' Total Fluid

Tool Sample Mud

Ritchie Exploration
DST 6 Lan K 3998-4026
Start Test Date: 2015/02/08
Final Test Date: 2015/02/09

Fredrickson 1
Formation: Lan K
Job Number: W168

Fredrickson 1 DST 6

