



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mal Oil Operations Inc
 8411 Preston RD, STE 800
 Dallas, TX 75225-5520
 ATTN: Jim Musgrove

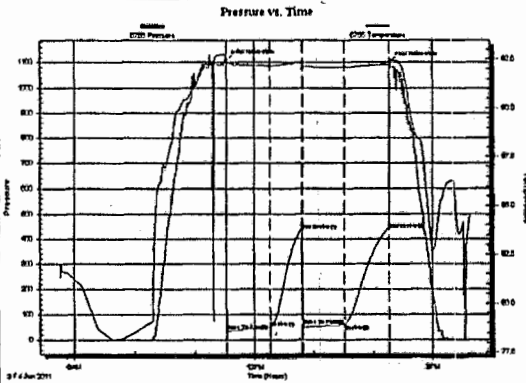
Driscoll-Maier Unit #1
 4-15-14 Russell KS
 Job Ticket: 43857 DST#:1
 Test Start: 2011.06.03 @ 08:45:38

GENERAL INFORMATION:

Formation: **Tarkio**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 11:31:53
 Time Test Ended: 15:38:08
 Interval: **2338.00 ft (KB) To 2380.00 ft (KB) (TVD)**
 Total Depth: **2380.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Cody Bloedorn**
 Unit No: **54**
 Reference Elevations: **1764.00 ft (KB)**
1755.00 ft (CF)
 KB to GRVCF: **9.00 ft**

Serial #: **6755** Outside
 Press@RunDepth: **57.87 psig @ 2339.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.06.03** End Date: **2011.06.03** Last Calib.: **2011.06.03**
 Start Time: **08:45:40** End Time: **15:38:08** Time On Btm: **2011.06.03 @ 11:31:38**
 Time Off Btm: **2011.06.03 @ 14:17:08**

TEST COMMENT: 45 - IF- 2" Blow
 30 - IS- No blow back
 45 - FF- 1/2" Blow
 45 - FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1108.03	92.72	Initial Hydro-static
1	34.66	92.17	Open To Flow (1)
45	47.45	92.18	Shut-In(1)
77	431.84	92.32	End Shut-In(1)
78	55.56	92.14	Open To Flow (2)
119	57.87	92.07	Shut-In(2)
165	434.15	92.23	End Shut-In(2)
166	1099.60	92.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	VSOOM 98%M 2%O	0.87
31.00	VSOOMV 85%M 18%W 2%O	0.43

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)

6



4/10

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

JUN 06 2011

Test Ticket

NO. 4385715854

Well Name & No. Discoll - Maier unit #1 Test No. 1 Date 6-3-11
 Company Maier Oil Operations Inc. Elevation 1760 KB 1755 GL
 Address 8411 Preston RD STE 800 Dallas TX, 75225-5520
 Co. Rep / Geo. Jim 620 786 0837 Rig Southwind 2
 Location: Sec. 4 Twp. 15 Rge. 14 Co. Russell State KS

Interval Tested 2338 - 2380 Zone Tested Targio
 Anchor Length 42' Drill Pipe Run 2346 Mud Wt. 9.1
 Top Packer Depth 2335 Drill Collars Run - Vis 50
 Bottom Packer Depth 2338 Wt. Pipe Run - WL
 Total Depth 2380 Chlorides 110K ppm System LCM

Blow Description IF - 2" blow
ISI - No blow back
FF - 1/2" blow
FSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>31</u>	<u>VSOCMW</u>	<u>2</u>	<u>18</u>	<u>85</u>	
<u>62</u>	<u>VSOCM</u>	<u>2</u>	<u>98</u>		

Rec Total 93' BHT 92 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 1108
- (B) First Initial Flow 34
- (C) First Final Flow 47
- (D) Initial Shut-In 431
- (E) Second Initial Flow 55
- (F) Second Final Flow 57
- (G) Final Shut-In 434
- (H) Final Hydrostatic 1099

- Test 1125
- Jars _____
- Safety Joint _____
- Circ Sub _____
- Hourly Standby _____
- Mileage 38 x 2 76 RT
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 123140

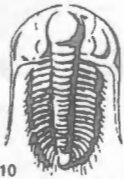
T-On Location 8:00 am
 T-Started 8:45 am
 T-Open 11:30 am
 T-Pulled 2:15 pm
 T-Out 3:37 pm

Comments 106.40
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 2
 Total 1231.40
 MP/DST Disc't _____

Initial Open 45
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 45

Approved By _____ Our Representative Cody Bloodorn

Trilobite Testing Inc. shall not be liable for damaged of any kind of 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 statements or opinion concerning the results 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 43858

JUN 06 2011

Well Name & No. Discoll-Maver Unit #1 Test No. 2 Date 6-3-11
 Company Ma. Oil Operations Inc, Elevation 1760 KB 1755 GL
 Address 8411 Preston RD STE 800 Dallas TX, 75225-5520
 Co. Rep / Geo. Jim Musgrave 620-786-0837 Rig South Wind #2
 Location: Sec. 4 Twp. 15 Rge. 14 Co. Russell State KS

Interval Tested 2409-2470 Zone Tested Targio Sand
 Anchor Length 61' Drill Pipe Run 2410 Mud Wt. 9.1
 Top Packer Depth 2404 Drill Collars Run — Vis 50
 Bottom Packer Depth 2409 Wt. Pipe Run — WL _____
 Total Depth 2470 Chlorides 110K ppm System LCM _____
 Blow Description IF-1/2" blow
ISI- No blow back
FF-1/4" blow
FSI- No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>WM</u>		<u>30</u>	<u>70</u>	
<u>10</u>	<u>WM</u>		<u>10</u>	<u>90</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 72' BHT 930 Gravity _____ API RW 23 @ 77 °F Chlorides 30,000 ppm
 (A) Initial Hydrostatic 1185 Test 1125 T-On Location 9:45 pm
 (B) First Initial Flow 34 Jars _____ T-Started 10:01 pm
 (C) First Final Flow 56 Safety Joint _____ T-Open 11:58 pm
 (D) Initial Shut-In 695 Circ Sub _____ T-Pulled 2:45 am
 (E) Second Initial Flow 60 Hourly Standby _____ T-Out 4:26 am
 (F) Second Final Flow 74 Mileage 38 x 2 106.40 Comments _____
 (G) Final Shut-In 702 Sampler _____
 (H) Final Hydrostatic 1161 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1231.40

Initial Open 45 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Shut-In 30 Sub Total 8
 Final Flow 45 Total 1231.40
 Final Shut-In 45 MP/DST Disc't _____

Approved By [Signature] Our Representative Cody Bloodorn
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mal Oil Operations Inc

Driscoll-Mater Unit #1

8411 Preston RD, STE 800
Dallas, TX 75225-5520

4-15-14 Russell KS

Job Ticket: 43859

DST#: 3

ATTN: Jim Musgrove

Test Start: 2011.06.06 @ 07:06:17

GENERAL INFORMATION:

Formation: **KC**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: **08:51:32**
 Time Test Ended: **12:23:17**

Test Type: **Conventional Bottom Hole**
 Tester: **Cody Bloedorn**
 Unit No: **54**

Interval: **2966.00 ft (KB) To 3050.00 ft (KB) (TVD)**
 Total Depth: **3050.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 Inches** Hole Condition: **Good**

Reference Elevations: **1764.00 ft (KB)**
1755.00 ft (CF)
 KB to GR/CF: **9.00 ft**

Serial #: 6755

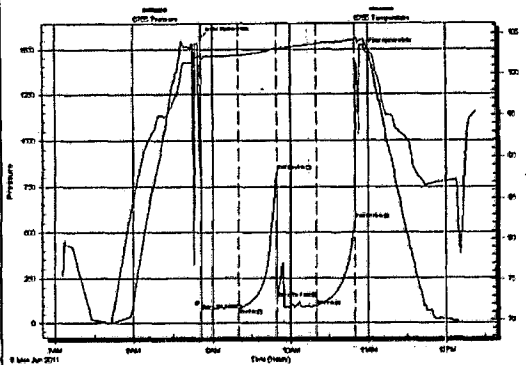
Outside

Press@RunDepth: **93.40 psig @ 2967.00 ft (KB)**
 Start Date: **2011.06.06** End Date: **2011.06.06**
 Start Time: **07:06:19** End Time: **12:23:17**

Capacity: **8000.00 psig**
 Last Calib.: **2011.06.06**
 Time On Btm: **2011.06.06 @ 08:51:17**
 Time Off Btm: **2011.06.06 @ 10:57:17**

TEST COMMENT: 30 - IF- 2" Blow
 30 - IS- No blow back
 30 - FF- 1 1/4" blow
 30 - FS- No blow back

Pressure vs. Time



PRESSURE SUMMARY

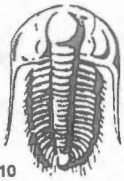
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1565.18	102.45	Initial Hydro-static
1	74.97	101.88	Open To Flow (1)
29	81.28	102.38	Shut-In(1)
58	838.80	103.29	End Shut-In(1)
59	138.44	102.83	Open To Flow (2)
89	93.40	103.81	Shut-In(2)
119	570.78	104.30	End Shut-In(2)
126	1495.65	104.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
72.00	2%O, 18%M, 80%M	1.01

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/D)



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 43859

JUN 06 2011

Well Name & No. Discoil - Marez unit #1 Test No. 3 Date 6-6-11
 Company Mai Oil Operations Inc. Elevation 1760 KB 1755 GL
 Address 8411 Preston RD STE 800 Dallas TX, 75225-5520
 Co. Rep / Geo. Jim Muzone 620-786-0837 Rig South Wind #2
 Location: Sec. 4 Twp. 15 Rge. 14 Co. Russell State KS

Interval Tested 2966 - 3050 Zone Tested KC
 Anchor Length 84' Drill Pipe Run ~~10000~~ 2974' Mud Wt. 9.4
 Top Packer Depth 3961 Drill Collars Run — Vis 69
 Bottom Packer Depth 3966 Wt. Pipe Run — WL 9.2
 Total Depth 3050 Chlorides 34,500 ppm System LCM
 Blow Description IF - 2" blow
ISI - No blow back
FF - 1 1/4" blow
FSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>72</u>	<u>VS60CM</u>	<u>18</u>	<u>2</u>	<u>80</u>	

Rec Total 72' BHT 104 Gravity — API RW — @ — °F Chlorides N/A ppm

(A) Initial Hydrostatic 1565 Test 1125 T-On Location 6:22am
 (B) First Initial Flow 74 Jars — T-Started 7:06am
 (C) First Final Flow 81 Safety Joint — T-Open 8:50am
 (D) Initial Shut-In 838 Circ Sub — T-Pulled 10:50am
 (E) Second Initial Flow 138 Hourly Standby — T-Out 12:24pm
 (F) Second Final Flow 93 Mileage 38 x 2 106.40 Comments —
 (G) Final Shut-In 570 Sampler —
 (H) Final Hydrostatic 1495 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total 866.84
 Day Standby X 2 days 866.84 Total 2098.24
 Accessibility — MP/DST Disc't —
 Sub Total 1231.40

Approved By _____ Our Representative Sody D. [Signature]

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preston RD, STE 800
Dallas, TX 75225-5520
ATTN: Jim Musgrove

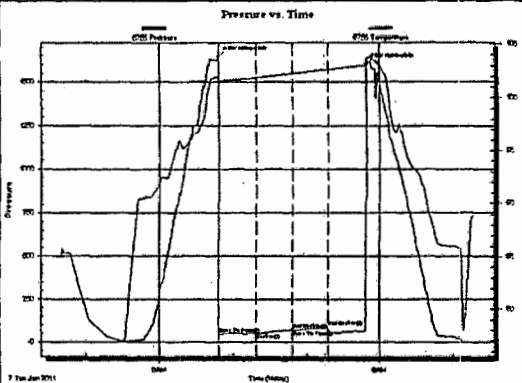
Driscoll-Maier Unit #1
4-15-14 Russell KS
Job Ticket: 43860 DST#: 4
Test Start: 2011.06.07 @ 04:40:28

GENERAL INFORMATION:

Formation: KC
Deviated: No Whipstock: ft (KB)
Test Type: Conventional Bottom Hole
Time Tool Opened: 06:48:28 Tester: Cody Bloedorn
Time Test Ended: 10:17:28 Unit No: 54
Interval: 3093.00 ft (KB) To 3170.00 ft (KB) (TVD) Reference Elevations: 1764.00 ft (KB)
Total Depth: 3170.00 ft (KB) (TVD) 1755.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 6755 Outside
Press@RunDepth: 51.78 psig @ 3162.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.06.07 End Date: 2011.06.07 Last Calib.: 2011.06.07
Start Time: 04:40:30 End Time: 10:17:28 Time On Btm: 2011.06.07 @ 06:48:13
Time Off Btm: 2011.06.07 @ 08:48:58

TEST COMMENT: 30 - IF- 1/4" blow, dying
30 - IS- No blow back
30 - FF- No blow back
30 - FS- No blow back



PRESSURE SUMMARY

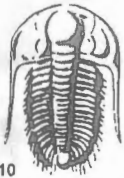
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.32	101.99	Initial Hydro-static
1	49.08	101.38	Open To Flow (1)
31	51.78	101.89	Shut-In(1)
60	73.05	102.28	End Shut-In(1)
61	70.05	102.28	Open To Flow (2)
90	88.50	102.66	End Shut-In(2)
121	1599.72	103.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	VSGOOM 1%, 4%G, 95%M	0.21

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

JUN 08 2011

Test Ticket

NO. 43860

4/10

Well Name & No. ~~1000~~ Discoll-Maier unit #1 Test No. 4 Date 6-7-11
 Company Mai Oil Operations Elevation 1764 KB 1755 GL
 Address 8411 Preston RD STE 800 Dallas TX, 75225-5520
 Co. Rep / Geo. Jim Musgrave 620-786-0837 Rig Southwind #.2
 Location: Sec. 4 Twp. 15 Rge. 14 Co. Russell State KS

Interval Tested 3093 - 3170 Zone Tested KC
 Anchor Length 77 Drill Pipe Run 3101 Mud Wt. 9.4
 Top Packer Depth 3088 Drill Collars Run — Vis 69
 Bottom Packer Depth 3093 Wt. Pipe Run — WL 9.2
 Total Depth 3170 Chlorides 34,500 ppm System LCM
 Blow Description IF - 1/4" blow dying
ISI - No blow back
FF - No blow back
FSE - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>15'</u>	<u>VSOCCMG</u>	<u>4</u>	<u>1</u>	<u>95</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15' BHT Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1643 Test 1125- T-On Location 4:20 am
 (B) First Initial Flow 49 Jars T-Started 4:40 am
 (C) First Final Flow 51 Safety Joint T-Open 6:48 am
 (D) Initial Shut-In 73 Circ Sub T-Pulled 8:48 am
 (E) Second Initial Flow 70 Hourly Standby T-Out 10:17 am
 (F) Second Final Flow 88 Mileage 38 X 2 76 RT 106.40 Comments —
 (G) Final Shut-In 67 Sampler Ruined Shale Packer
 (H) Final Hydrostatic 1599 Straddle Ruined Packer
 Shale Packer Extra Copies
 Extra Packer Extra Recorder
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 30 Sub Total 08
 Initial Shut-In 30 Total 1231.40
 Final Flow 30 MP/DST Disc't —
 Final Shut-In 30 Sub Total 1231.40

Approved By _____ Our Representative Cody Bloedorn

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mal Oil Operations Inc
8411 Preston RD, STE 800
Dallas, TX 75225-5520
ATTN: Jim Musgrove

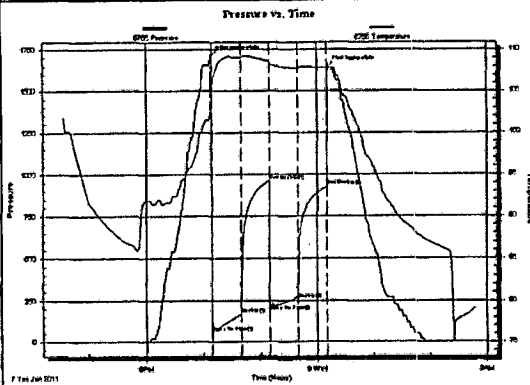
Driscoll-Maier Unit #1
4-15-14 Russell KS
Job Ticket: 43861 DST#: 5
Test Start: 2011.06.07 @ 19:33:24

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 22:08:24
Time Test Ended: 02:48:39
Interval: **3176.00 ft (KB) To 3217.00 ft (KB) (TVD)**
Total Depth: **3217.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Cody Bloedorn**
Unit No: **54**
Reference Elevations: **1764.00 ft (KB)**
1755.00 ft (CF)
KB to GRVCF: 9.00 ft

Serial #: **6755** Outside
Press@RunDepth: **258.03 psig @ 3214.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.06.07** End Date: **2011.06.08** Last Calib.: **2011.06.08**
Start Time: **19:33:26** End Time: **02:48:39** Time On Btm: **2011.06.07 @ 22:08:09**
Time Off Btm: **2011.06.08 @ 00:11:09**

TEST COMMENT: 30 - IF- B.O.B. in 3 Mn.
30 - IS- No blow back
30 - FF- B.O.B. in 13 Mn.
30 - FS- No blow back



PRESSURE SUMMARY

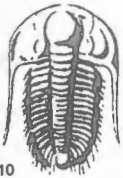
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1710.78	102.72	Initial Hydro-static
1	57.16	103.71	Open To Flow (1)
32	166.93	108.98	Shut-In(1)
61	960.73	108.58	End Shut-In(1)
62	185.76	108.18	Open To Flow (2)
92	258.03	107.71	Shut-In(2)
123	927.41	107.83	End Shut-In(2)
123	1642.26	107.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	30%O, 30%G, 40%M	1.74
310.00	5%M, 20%O, 25%G, 50%W	4.35
62.00	10%M, 20%O, 30%G, 40%W	0.87

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

JUN 08 2011

NO. 43861

Well Name & No. Discoll - Maier Unit #1 Test No. 5 Date 6-7-11
 Company Mai Oil operations Elevation 1764 KB 1755 GL
 Address 8411 Preston RD STE 800 Dallas TX, 75225-5520
 Co. Rep / Geo. Jim Musgrave 620 786 0837 Rig South Wind #2
 Location: Sec. 4 Twp. 15 Rge. 14 Co. Russell State KS

Interval Tested ~~3076 - 3200~~ 3176 - 3217 Zone Tested Arbuckle
 Anchor Length 41' Drill Pipe Run 3162 Mud Wt. 9.3
 Top Packer Depth ~~3076~~ ~~3171~~ 3171 Drill Collars Run — Vis 60
 Bottom Packer Depth ~~3076~~ ~~3176~~ 3176 Wt. Pipe Run — WL 10.4
 Total Depth ~~3076~~ ~~3217~~ 3217 Chlorides 48000 ppm System LCM
 Blow Description IF - B.O.B. 3 Min
ISI - No blow back
FF - B.O.B in 13 Min
FSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>HOCM</u>	<u>30</u>	<u>30</u>	<u>40</u>	<u>40</u>
<u>310</u>	<u>60CMW</u>	<u>25</u>	<u>20</u>	<u>50</u>	<u>5</u>
<u>62</u>	<u>60CMW</u>	<u>30</u>	<u>20</u>	<u>40</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 496' BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1710 Test 1125' T-On Location 7:14pm
 (B) First Initial Flow 57 Jars _____ T-Started 7:33pm
 (C) First Final Flow 166 Safety Joint _____ T-Open 10:09pm
 (D) Initial Shut-In 960 Circ Sub _____ T-Pulled 12:09am
 (E) Second Initial Flow 185 Hourly Standby _____ T-Out 2:48am
 (F) Second Final Flow 258 Mileage 38 X 2 106.40 Comments _____
 (G) Final Shut-In 927 Sampler _____
 (H) Final Hydrostatic 1642 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer 260
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 260
 Initial Shut-In 30 Day Standby _____ Total 1491.40
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1231.40

Approved By _____ Our Representative Cody Bledorn

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