



DRILL STEM TEST REPORT

Prepared For: **Prospect Oil & Gas Corp.**

PO Box 837
Russell KS 67665

ATTN: Brad Hutchison

9-13s-14w Russell,KS

Machin-Stoppel Unit #1

Start Date: 2014.06.10 @ 12:00:00

End Date: 2014.06.10 @ 18:47:00

Job Ticket #: 55291 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prospect Oil & Gas Corp.

Machin-Stoppel Unit #1

PO Box 837
Russell KS 67665

9-13s-14w Russell,KS

ATTN: Brad Hutchison

Job Ticket: 55291

DST#: 1

Test Start: 2014.06.10 @ 12:00:00

GENERAL INFORMATION:

Formation: **LKC " A - C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:13:30

Time Test Ended: 18:47:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bob Hamel

Unit No: 67

Interval: 2950.00 ft (KB) To 3030.00 ft (KB) (TVD)

Reference Elevations: 1794.00 ft (KB)

Total Depth: 3030.00 ft (KB) (TVD)

1787.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6625 Outside

Press@RunDepth: 135.24 psig @ 3026.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.10

End Date:

2014.06.10

Last Calib.:

2014.06.10

Start Time: 12:00:01

End Time:

18:47:00

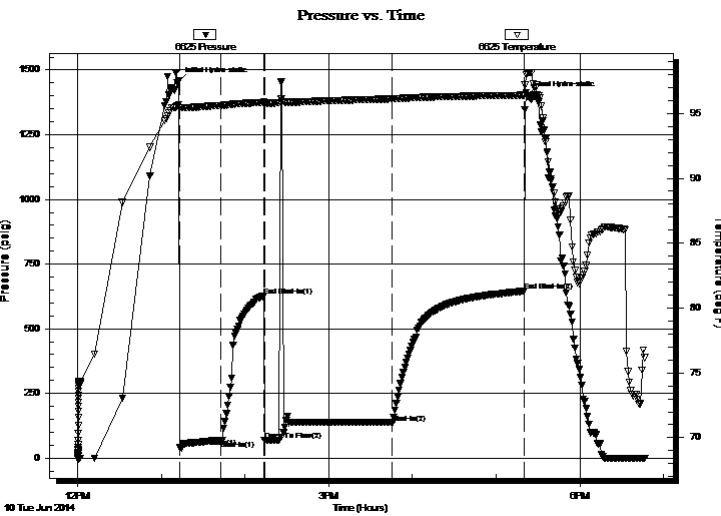
Time On Btm:

2014.06.10 @ 13:12:30

Time Off Btm:

2014.06.10 @ 17:22:30

TEST COMMENT: I.F. - 30 - BOB in 9 min
I.S.I. - 30 - No blow back
F.F. - 90 - No blow for 10 min. - flushed tool - Built to BOB in 15 min
F.S.I. - 90 - No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1456.94 | 95.69 | Initial Hydro-static |
| 1 | 41.22 | 95.46 | Open To Flow (1) |
| 30 | 68.85 | 95.61 | Shut-In(1) |
| 61 | 627.51 | 95.86 | End Shut-In(1) |
| 62 | 68.96 | 95.71 | Open To Flow (2) |
| 153 | 135.24 | 96.13 | Shut-In(2) |
| 248 | 645.58 | 96.41 | End Shut-In(2) |
| 250 | 1399.86 | 98.09 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 252.00 | MUD 100% | 3.53 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
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TOOL DIAGRAM

Prospect Oil & Gas Corp.

Machin-Stoppel Unit #1

PO Box 837
Russell KS 67665

9-13s-14w Russell,KS

Job Ticket: 55291

DST#: 1

ATTN: Brad Hutchison

Test Start: 2014.06.10 @ 12:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2941.00 ft | Diameter: 3.80 inches | Volume: 41.25 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.70 inches | Volume: 0.00 bbl | Weight set on Packer: 30000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 50000.00 lb |
| | | | <u>Total Volume: 41.25 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 11.00 ft | | | String Weight: Initial 38000.00 lb |
| Depth to Top Packer: | 2950.00 ft | | | Final 38000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 80.00 ft | | | |
| Tool Length: | 100.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 2931.00 | |
| Shut In Tool | 5.00 | | | 2936.00 | |
| Hydraulic tool | 5.00 | | | 2941.00 | |
| Packer | 4.00 | | | 2945.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 2950.00 | |
| Stubb | 1.00 | | | 2951.00 | |
| Perforations | 10.00 | | | 2961.00 | |
| Change Over Sub | 1.00 | | | 2962.00 | |
| Drill Pipe | 63.00 | | | 3025.00 | |
| Change Over Sub | 1.00 | | | 3026.00 | |
| Recorder | 0.00 | 6625 | Outside | 3026.00 | |
| Recorder | 0.00 | 8319 | Inside | 3026.00 | |
| Bullnose | 4.00 | | | 3030.00 | 80.00 Bottom Packers & Anchor |

Total Tool Length: 100.00



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FLUID SUMMARY

Prospect Oil & Gas Corp.

Machin-Stoppel Unit #1

PO Box 837
Russell KS 67665

9-13s-14w Russell,KS

Job Ticket: 55291

DST#: 1

ATTN: Brad Hutchison

Test Start: 2014.06.10 @ 12:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 252.00 | MUD 100% | 3.535 |

Total Length: 252.00 ft Total Volume: 3.535 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

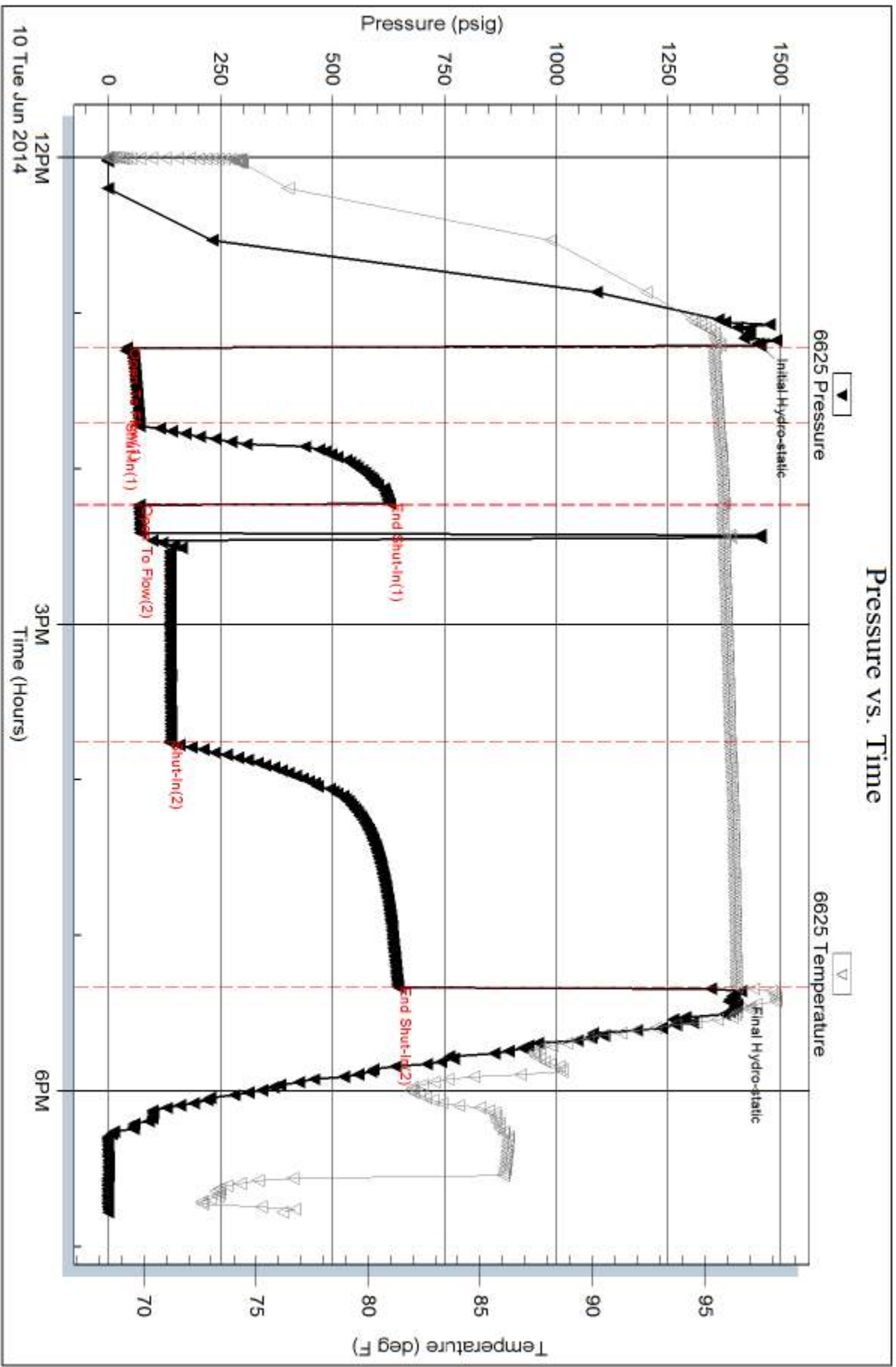
Recovery Comments:

Serial #: 6625

Outside Prospect Oil & Gas Corp.

9-135-14w Russell KS

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 55291

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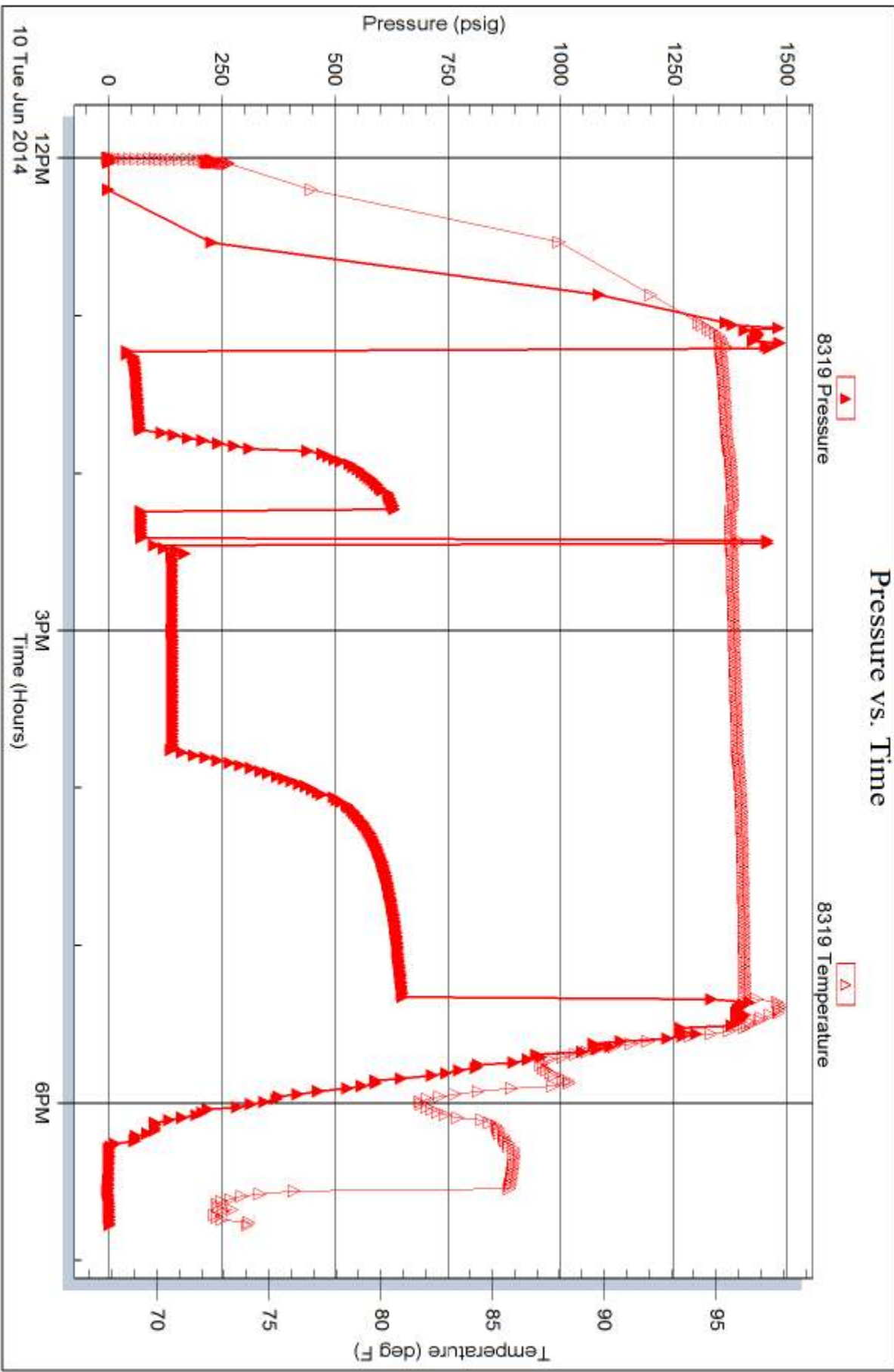
Serial #: 8319

Inside

Prospect Oil & Gas Corp.

9-135-14w Russell,KS

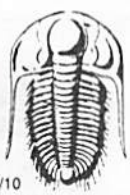
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55291

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55291

Well Name & No. Machin - Stuppe unit #1 Test No. 1 Date 6/10/14
 Company Prospect oil & gas corporation Elevation 1794 KB 1787 GL
 Address P.O. Box 837 Russell KS. 67665
 Co. Rep / Geo. Brad Hutchison Rig Royal #2
 Location: Sec. 9 Twp. 13-S. Rge. 14-W. Co. _____ State KS.

Interval Tested 2950-3030 Zone Tested L.K.C. A, B, C
 Anchor Length 80 Drill Pipe Run 2991 Mud Wt. 9.2
 Top Packer Depth 2945 Drill Collars Run — Vis 61
 Bottom Packer Depth 2950 Wt. Pipe Run — WL 7.2
 Total Depth 3030 Chlorides 2,300 ppm System LCM Trace

Blow Description I.F. - 30 - 1/2" INT. Blow Built to (B.O.B. in 9 min.)
I.S.I. - 30 - No B.B.
F.F. - 90 - No Blow @ 10 min. Flushed tool Built to (B.O.B. in 15 min.)
F.S.I. - 90 - No B.B.

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------------|--------------------|------|------|--------|------------|
| Rec <u>252</u> | Feet of <u>Mud</u> | | | | <u>100</u> |
| Rec _____ | Feet of _____ | | | | |
| Rec _____ | Feet of _____ | | | | |
| Rec _____ | Feet of _____ | | | | |

Rec Total 252 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1457 Test 1150 T-On Location 11:30:00
 (B) First Initial Flow 41 Jars _____ T-Started 12:00:00
 (C) First Final Flow 69 Safety Joint _____ T-Open 14:18:00
 (D) Initial Shut-In 628 Circ Sub _____ T-Pulled 18:18:00
 (E) Second Initial Flow 69 Hourly Standby _____ T-Out 18:47:00
 (F) Second Final Flow 135 Mileage 52 / R.t 161.20 Comments Loaded tool on 6-11 @
 (G) Final Shut-In 646 Sampler _____ Flushed tool 13:15:00
 (H) Final Hydrostatic 1400 Straddle _____ "Thank-you"
 Ruined Shale Packer _____
 Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1311.20 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 90
 Final Shut-In 90

Approved By _____ Our Representative [Signature]

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