



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 S. Voss Rd. Ste. 600
Houston, TX 77057

ATTN: Larry Nicholson

Garman #1-11R

11-30s-41w Stanton,KS

Start Date: 2014.06.25 @ 12:53:00

End Date: 2014.06.25 @ 23:32:45

Job Ticket #: 56548 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources Inc.

11-30s-41w Stanton,KS

1616 S. Voss Rd. Ste. 600
Houston, TX 77057

Garman #1-11R

Job Ticket: 56548

DST#: 1

ATTN: Larry Nicholson

Test Start: 2014.06.25 @ 12:53:00

GENERAL INFORMATION:

Formation: **Keyes**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:25:00

Time Test Ended: 23:32:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Cornelio Landa III

Unit No: 71

Interval: 5366.00 ft (KB) To 5485.00 ft (KB) (TVD)

Reference Elevations: 3373.00 ft (KB)

Total Depth: 5485.00 ft (KB) (TVD)

3362.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8845 Outside

Press@RunDepth: 103.80 psig @ 5371.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.25 End Date: 2014.06.25

Last Calib.: 2014.06.25

Start Time: 12:53:05 End Time: 23:32:45

Time On Btm: 2014.06.25 @ 16:24:45

Time Off Btm: 2014.06.25 @ 19:58:15

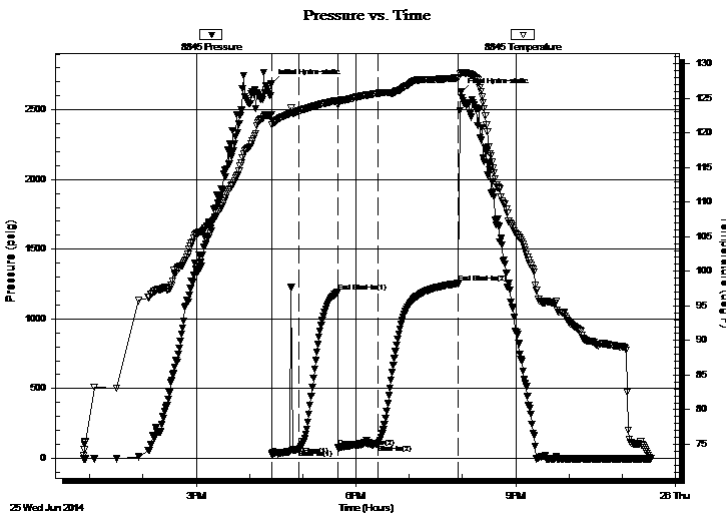
TEST COMMENT: IF: Surge on Open-No Blow -Flushed tool-Good surge-No Blow

IS: No return

FF: No blow

FS: No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2687.24	122.63	Initial Hydro-static
1	25.37	121.11	Open To Flow (1)
32	63.72	123.18	Shut-In(1)
75	1194.83	124.67	End Shut-In(1)
75	77.69	123.98	Open To Flow (2)
120	103.80	125.70	Shut-In(2)
211	1254.93	127.94	End Shut-In(2)
214	2627.38	128.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
104.00	Mud 100m w/ oil specs	0.51

Gas Rates

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



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TOOL DIAGRAM

Landmark Resources Inc.

11-30s-41w Stanton,KS

1616 S. Voss Rd. Ste. 600
Houston, TX 77057

Garman #1-11R

Job Ticket: 56548

DST#: 1

ATTN: Larry Nicholson

Test Start: 2014.06.25 @ 12:53:00

Tool Information

Drill Pipe:	Length: 4977.00 ft	Diameter: 3.80 inches	Volume: 69.81 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 370.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 10000.00 lb
			<u>Total Volume: 71.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 100000.0 lb
Depth to Top Packer:	5366.00 ft			Final 100000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	119.00 ft			
Tool Length:	146.00 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			5340.00	
Shut In Tool	5.00			5345.00	
Hydraulic tool	5.00			5350.00	
Jars	5.00			5355.00	
Safety Joint	2.00			5357.00	
Packer	5.00			5362.00	27.00 Bottom Of Top Packer
Packer	4.00			5366.00	
Stubb	1.00			5367.00	
Perforations	3.00			5370.00	
Change Over Sub	1.00			5371.00	
Recorder	0.00	6772	Outside	5371.00	
Recorder	0.00	8845	Outside	5371.00	
Drill Pipe	94.00			5465.00	
Change Over Sub	1.00			5466.00	
Perforations	14.00			5480.00	
Bullnose	5.00			5485.00	119.00 Bottom Packers & Anchor
Total Tool Length:	146.00				



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FLUID SUMMARY

Landmark Resources Inc.

11-30s-41w Stanton,KS

1616 S. Voss Rd. Ste. 600
Houston, TX 77057

Garman #1-11R

Job Ticket: 56548

DST#: 1

ATTN: Larry Nicholson

Test Start: 2014.06.25 @ 12:53:00

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: 55.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
104.00	Mud 100m w / oil specs	0.511

Total Length: 104.00 ft Total Volume: 0.511 bbl

Num Fluid Samples: 0

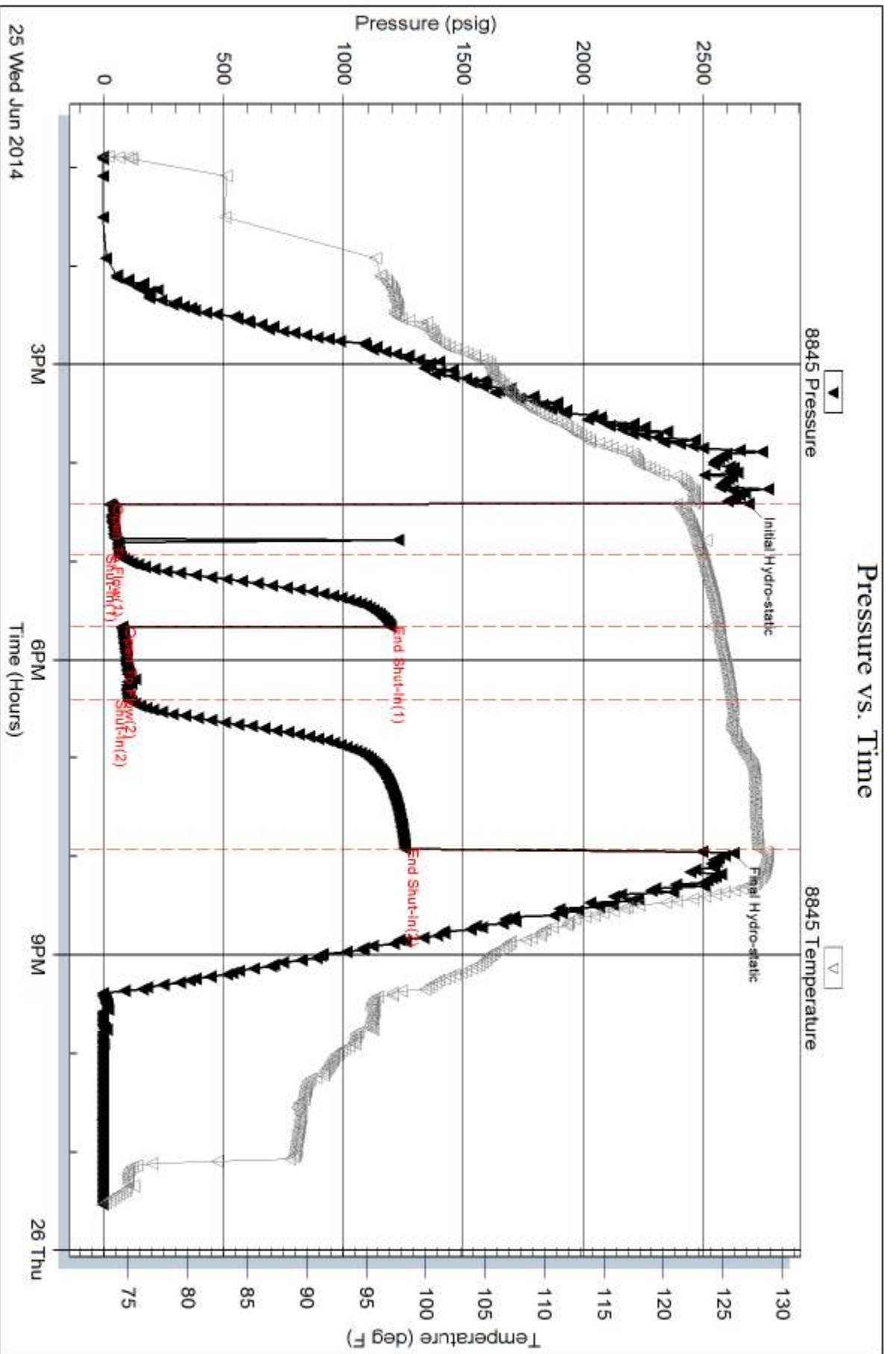
Num Gas Bombs: 0

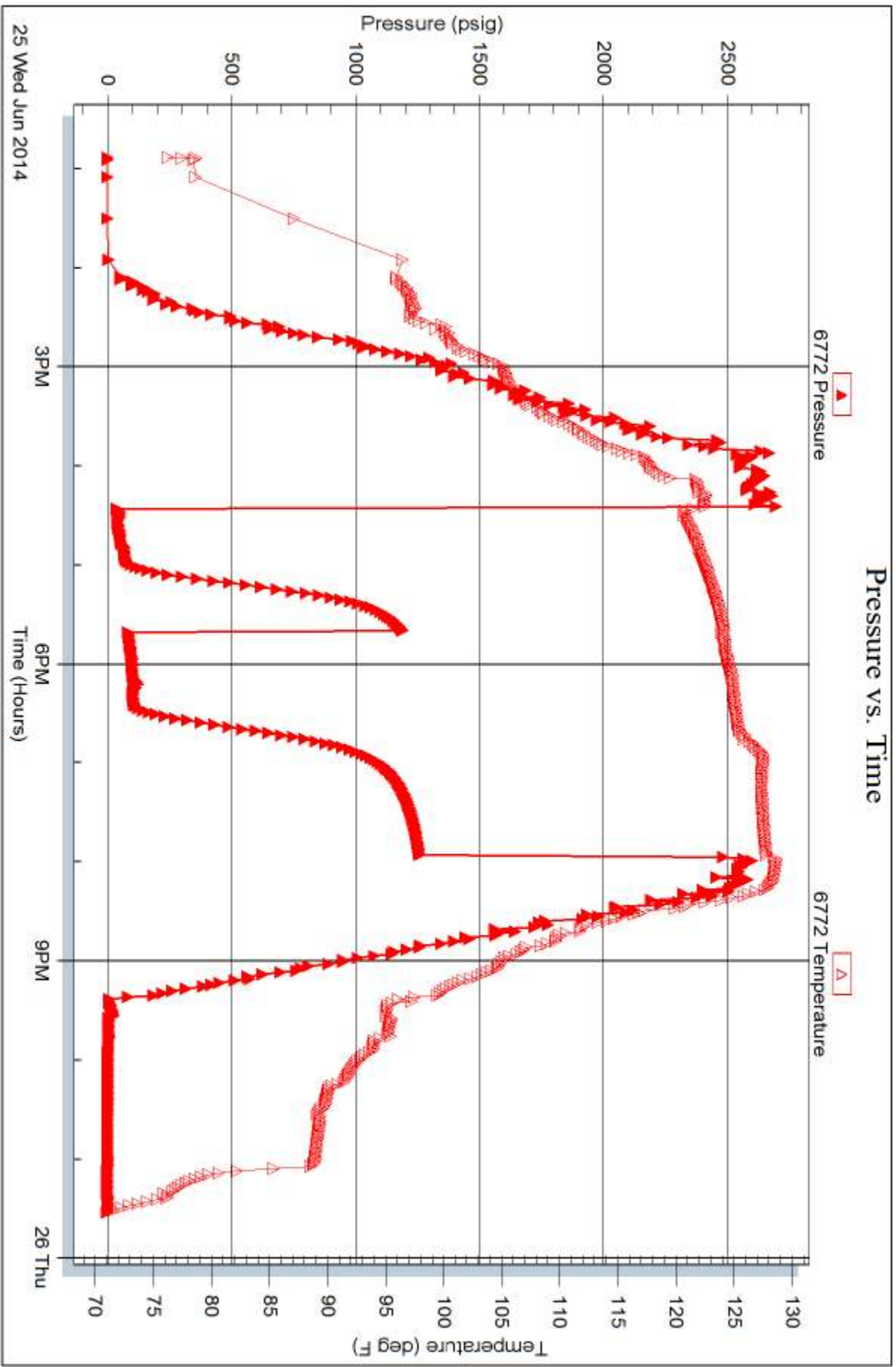
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

MSM
Coconut Oil

400-370

Test Ticket

NO. 56548

4/10

Well Name & No. Garman #1-11R Test No. 1 Date 6-25-14
 Company Landmark Resources Inc. Elevation 3373 KB ~~3000~~ 3362 GL
 Address 1166 S. Voss Rd Ste 600 - Houston, TX 77057
 Co. Rep / Geo. Larry Nicholson Rig Murphy #4
 Location: Sec. 11 Twp. ~~3000~~ 305 Rge. 41-W Co. Stanton State KS

Interval Tested 5366-5485 Zone Tested Keyes
 Anchor Length ~~119'~~ 119' Drill Pipe Run ~~500~~ 4977 Mud Wt. 9.0
 Top Packer Depth 5362 Drill Collars Run 370 Vis 55
 Bottom Packer Depth 5366 Wt. Pipe Run Ø WL 7.2
 Total Depth 5485 Chlorides 600 ppm System LCM # 8

Blow Description IF: Surge when open - No Blow - Flushed tool good surge - No Blow
ISI: No Return
FF: NO Blow
FSI: NO Return

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>104</u>	Feet of <u>mud w/ oil specs</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 104 BHT 129 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2687</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>12:05</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:53</u>
(C) First Final Flow <u>64</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>16:25</u>
(D) Initial Shut-In <u>1195</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>19:55</u>
(E) Second Initial Flow <u>78</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:33</u>
(F) Second Final Flow <u>104</u>	<input checked="" type="checkbox"/> Mileage <u>88 RT</u> 136.40	Comments
(G) Final Shut-In <u>1255</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2627</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 90

Shale Packer 250
 Extra Packer
 Extra Recorder
 Day Standby

Accessibility no steps 150
 Sub Total to Rig floor

Total 2211.40
 MP/DST Disc't

Approved By [Signature] Our Representative [Signature]

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56549

4/10

Well Name & No. Graham #1-UR Test No. _____ Date 6-27-14
 Company Landmark Resources Inc. Elevation _____ KB _____ GL _____
 Address _____
 Co. Rep / Geo. Larry Nicholson Rig Morton #4
 Location: Sec. _____ Twp. _____ Rge. _____ Co. Stanton State KS

Interval Tested _____ Zone Tested _____
 Anchor Length _____ Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth _____ Drill Collars Run _____ Vis _____
 Bottom Packer Depth _____ Wt. Pipe Run _____ WL _____
 Total Depth _____ Chlorides _____ ppm System _____ LCM _____
 Blow Description _____

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	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic _____ Test _____ T-On Location ~~_____~~
 (B) First Initial Flow _____ Jars _____ T-Started on loca 12:03
 (C) First Final Flow _____ Safety Joint _____ T-Open _____
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled _____
 (E) Second Initial Flow _____ Hourly Standby 12 1/2 hrs T-Out _____
 (F) Second Final Flow _____ Mileage 88 RIT 136.40 Comments loaded Tools
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 800
 Day Standby 1 day 12.5h Total 936.40
 Accessibility _____ MP/DST Disc't _____
 Sub Total 136.40

Approved By [Signature] Our Representative [Signature]

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