

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1244911  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well  Re-Entry  Workover
- Oil  WSW  SWD  SIOW
- Gas  D&A  ENHR  SIGW
- OG  GSW  Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening  Re-perf.  Conv. to ENHR  Conv. to SWD
- Plug Back  Conv. to GSW  Conv. to Producer
- Commingled Permit #: \_\_\_\_\_
- Dual Completion Permit #: \_\_\_\_\_
- SWD Permit #: \_\_\_\_\_
- ENHR Permit #: \_\_\_\_\_
- GSW Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1244911

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing     Pumping     Gas Lift     Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 2-1
Doc ID	1244911

All Electric Logs Run

Dual Compensated Porosity Log
Borehole Compensated Sonic Log
Microresistivity Log
Dual Induction Log
Sector Bond / Gamma Ray CCL Log

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 2-1
Doc ID	1244911

Tops

Name	Top	Datum
Anhydrite	2431	681
B/ Anhydrite	2449	663
Topeka	3735	-623
Heebner	3974	-862
Toronto	3993	-881
Lansing	4017	-905
C	4058	-946
D	4064	-952
E	4114	-1002
F	4134	-1022
G	4150	-1038
Munice Creek	4198	-1086
H	4210	-1098
I	4248	-1136
J	4275	-1163
Stark Shale	4295	-1183
K	4306	-1194
L	4355	-1243
BKC	4385	-1273
Marmaton	4441	-1329
Altamont	4463	-1351
Pawnee	4519	-1407
Myrick Station	4557	-1445
Fort Scott	4572	-1460

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 2-1
Doc ID	1244911

Tops

Name	Top	Datum
Cherokee	4597	-1485
Johnson Zone	4641	-1529
Morrow Shale	4713	-1601
Missippian	4760	-1648





# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 148198

Invoice Date: Jan 13, 2015

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

<b>Bill To:</b>
Landmark Resources, Inc. 1616 S. Voss Suite 600 Houston, TX 77057-1264

Customer ID	Field Ticket #	Payment Terms	
Land	64869	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jan 13, 2015	2/12/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #2-1		
200.00	CEMENT MATERIALS	Class A Common	17.90	3,580.00
564.00	CEMENT MATERIALS	Chloride	1.10	620.40
210.00	CEMENT SERVICE	Cubic Feet Charge	2.48	520.80
484.00	CEMENT SERVICE	Ton Mileage Charge	2.75	1,331.00
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	EQUIPMENT OPERATOR	Brandon Wilkinson		

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 2,533.33

ONLY IF PAID ON OR BEFORE  
**Feb 12, 2015**

Subtotal		8,444.45
Sales Tax	0 * *	342.33
Total Invoice Amount		8,786.78
Payment/Credit Applie	8,786.78 +	
<b>TOTAL</b>	<b>2,533.33</b>	<b>8,786.78</b>

000

6,253.45 \*

# ALLIED OIL & GAS SERVICES, LLC 064869

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Dakley

DATE <u>1-17-15</u>	SEC. <u>1</u>	TWP. <u>17</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>2:30 p.m.</u>	JOB START <u>4:00 p.m.</u>	JOB FINISH <u>4:20 p.m.</u>
LEASE <u>Janzen</u>	WELL # <u>2-1</u>		LOCATION <u>83 + 4 SET 2 1/2 W NINTO</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>Vel #1</u>	OWNER <u>same</u>
TYPE OF JOB <u>surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>26.8'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>26.8'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>16.11 BBI</u>	
EQUIPMENT	

CEMENT	
AMOUNT ORDERED <u>200 sks com</u>	
<u>3% cc.</u>	
COMMON <u>200 sks</u>	@ <u>17.90 3580.00</u>
POZMIX	@
GEL	@
CHLORIDE <u>564#</u>	@ <u>1.10 620.40</u>
ASC	@
	@
<u>Material Cost</u>	@ <u>4,200.40</u>
	@
	@
	@
	@
	@
HANDLING <u>210 cu/ft</u>	@ <u>2.48 522.80</u>
MILEAGE <u>2.25 hrs/mile @ 68 mph</u>	@ <u>1.33 300.00</u>
TOTAL	

PUMP TRUCK CEMENTER <u>Andrew Forshad</u>	
# <u>323-288</u> HELPER <u>Brandon Williams</u>	
BULK TRUCK	
# <u>818</u> DRIVER <u>Juan (TWS)</u>	
BULK TRUCK	
# DRIVER	

REMARKS:

Cement did circulate

Thank you

CHARGE TO: Landmark Resources

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME \_\_\_\_\_

SIGNATURE [Signature]

SERVICE

DEPTH OF JOB <u>26.8'</u>	
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE	@
MILEAGE <u>50 miles</u>	@ <u>7.70 385.00</u>
MANIFOLD <u>Surge</u>	@ <u>225.00</u>
<u>Light Vehicle</u>	@ <u>440 230.00</u>
	@
TOTAL <u>4,244.65</u>	

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL _____		

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 8,444.15

DISCOUNT 2,133.33 (30%) IF PAID IN 30 DAYS

3,911.11 Net.

B.D





# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 148298  
Invoice Date: Jan 23, 2015  
Page: 1

Voice: (817) 546-7282  
Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

Bill To:
Landmark Resources, Inc. 1616 S. Voss Suite 600 Houston, TX 77057-1264

Customer ID	Field Ticket #	Payment Terms	
Land	63823	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jan 23, 2015	2/22/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #2-1		
445.00	CEMENT MATERIALS	65/35/6% Gel Blend	19.88	8,846.60
150.00	CEMENT MATERIALS	ASC	23.50	3,525.00
750.00	CEMENT MATERIALS	Gilsonite	0.98	735.00
42.00	CEMENT MATERIALS	FL-160	18.90	793.80
38.00	CEMENT MATERIALS	Defoamer	3.50	133.00
111.00	CEMENT MATERIALS	Flo Seal	2.97	329.67
12.00	CEMENT MATERIALS	WFR II	58.70	704.40
685.12	CEMENT SERVICE	Cubic Feet Charge	2.48	1,699.10
1,159.56	CEMENT SERVICE	Ton Mileage Charge	2.75	3,188.79
1.00	CEMENT SERVICE	Production -- Bottom Stage	2,765.75	2,765.75
1.00	CEMENT SERVICE	Production -- Top Stage	2,406.25	2,406.25
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
40.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	176.00
40.00	CEMENT SERVICE	Pump Truck Mileage	7.70	308.00
1.00	CEMENT SERVICE	Rotating Head	300.00	300.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down	660.00	660.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
2.00	EQUIPMENT SALES	5-1/2 Basket	395.00	790.00
12.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	684.00

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
<b>TOTAL</b>	<b>Continued</b>

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 12,996.13

ONLY IF PAID ON OR BEFORE  
Feb 22, 2015



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 148298  
Invoice Date: Jan 23, 2015  
Page: 2

Voice: (817) 546-7282  
Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

Bill To:
Landmark Resources, Inc. 1616 S. Voss Suite 600 Houston, TX 77057-1264

Customer ID	Field Ticket #	Payment Terms	
Land	63823	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jan 23, 2015	2/22/15

Quantity	Item	Description	Unit Price	Amount
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		
1.00	OPERATOR ASSISTANT	Wayne Messalle		
1.00	OPERATOR ASSISTANT	George Grant		

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 12,996.13

ONLY IF PAID ON OR BEFORE  
Feb 22, 2015

Subtotal	34,200.36
Sales Tax	1,881.14
Total Invoice Amount	36,081.50
Payment/Credit Applied	
<b>TOTAL</b>	<b>36,081.50</b>





Becky  
AC01

# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 148406  
Invoice Date: Jan 28, 2015  
Page: 1

Voice: (817) 546-7282  
Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

**Bill To:**

Landmark Resources, Inc.  
1616 S. Voss  
Suite 600  
Houston, TX 77057-1264

Customer ID	Field Ticket #	Payment Terms	
Land	64875	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-09	Oakley	Jan 28, 2015	2/27/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #2-1		
125.00	CEMENT MATERIALS	Light Weight	19.88	2,485.00
31.25	CEMENT MATERIALS	Flo Seal	2.97	92.81
275.91	CEMENT SERVICE	Cubic Feet Charge	2.48	684.26
577.49	CEMENT SERVICE	Ton Mileage Charge	2.75	1,588.10
1.00	CEMENT SERVICE	1 Inch	1,250.00	1,250.00
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	EQUIPMENT OPERATOR	Darren Racette		
1.00	OPERATOR ASSISTANT	Wayne Messalle		

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 2,011.54

ONLY IF PAID ON OR BEFORE  
Feb 27, 2015

Subtotal	0.00	6,705.17
Sales Tax		210.09
Total Invoice Amount	6,915.26	
Payment/Credit Applied	2,011.54	
<b>TOTAL</b>	<b>000</b>	<b>4,903.72</b>

0.00	6,705.17
	210.09
6,915.26	
2,011.54	
000	4,903.72

# ALLIED OIL & GAS SERVICES, LLC 064875

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Dakley

DATE <u>1-28-15</u>	SEC. <u>1</u>	TWP. <u>17</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>11:00 AM</u>	JOB START <u>11:30 AM</u>	JOB FINISH <u>12:30 PM</u>
LEASE <u>Tanzen</u>	WELL # <u>2-1</u>	LOCATION <u>8.374 JET L. 1/2 W. NINTO</u>	COUNTY <u>SCOTT</u>	STATE <u>KS</u>			
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Cheyenne well service</u>	OWNER <u>Same</u>
TYPE OF JOB <u>1 inch</u>	
HOLE SIZE <u>7 7/8</u>	T.D.
CASING SIZE <u>5 1/2</u>	DEPTH <u>750'</u>
TUBING SIZE <u>1 inch</u>	DEPTH <u>750'</u>
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT	AMOUNT ORDERED <u>250 sks 45% Gelsol</u>
	<u>1/4 Flo-seal</u>
	<u>6500 125 sks</u>
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
<u>Life</u>	<u>125 sks @ 19.88 2485.00</u>
<u>Flo-seal</u>	<u>31.25 @ 7.97 249.81</u>
<u>Material Total</u>	<u>2577.81</u>
<u>(773.34) 30%</u>	
HANDLING <u>275.91 @ 2.48 684.25</u>	
MILEAGE <u>2.25 @ 11.55 26.00</u>	
	<u>1588.12</u>
	TOTAL

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Andrew Toland</u>
# <u>431</u>	HELPER <u>Darren Racette</u>
BULK TRUCK	
# <u>890</u>	DRIVER <u>Wayne Messalle</u>
BULK TRUCK	
#	DRIVER

REMARKS:  
Pump water down 1 inch pipe  
between 5 1/2 casing and hole. 800ft  
lift 1000 min. Nitrate cement  
to surface with 125 sks with  
light cement.

*Thank you*

CHARGE TO: Landmark Resources

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE	
DEPTH OF JOB <u>750'</u>	
PUMP TRUCK CHARGE	<u>1250.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>.50 miles</u>	@ <u>7.00 350.00</u>
MANIFOLD	@
<u>Light vehicle</u>	@ <u>4.00 20.00</u>
	@
<u>(1182.37) 30%</u>	
	TOTAL <u>3941.25</u>

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
	@
	TOTAL

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME James Walker

SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 6,519.06

DISCOUNT 1,955.71 (30%) IF PAID IN 30 DAYS

4,563.34 Net.



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Rd  
STE 600  
Houston TX, 77057-2641

ATTN: Wes Hanson

### **Janzen #2-1**

#### **1-17s-34w Scott,KS**

Start Date: 2015.01.19 @ 12:25:00

End Date: 2015.01.19 @ 21:53:15

Job Ticket #: 58522                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.01.22 @ 14:11:41



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Landmark Resources  
 1616 S Voss Rd  
 STE 600  
 Houston TX, 77057-2641  
 ATTN: Wes Hanson

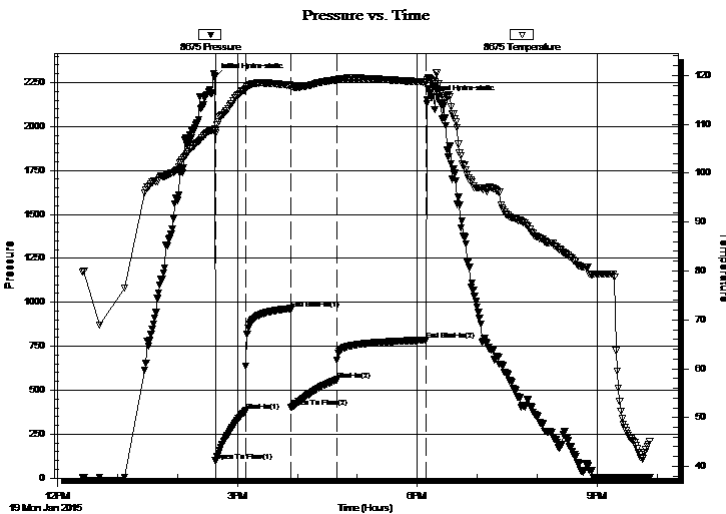
**1-17s-34w Scott,KS**  
**Janzen #2-1**  
 Job Ticket: 58522      **DST#: 1**  
 Test Start: 2015.01.19 @ 12:25:00

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:38:00  
 Time Test Ended: 21:53:15  
 Interval: **4408.00 ft (KB) To 4510.00 ft (KB) (TVD)**  
 Total Depth: 4510.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jace McKinney  
 Unit No: 75  
 Reference Elevations: 3112.00 ft (KB)  
 3102.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8675      Inside**  
 Press@RunDepth: 559.71 psig @ 4428.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.01.19      End Date: 2015.01.19      Last Calib.: 2015.01.19  
 Start Time: 12:25:15      End Time: 21:53:15      Time On Btm: 2015.01.19 @ 14:37:30  
 Time Off Btm: 2015.01.19 @ 18:09:30

**TEST COMMENT:** B.O.B. in 3 min.  
 Bled off for 5 min, Built to 1/2" died to surface return blow.  
 B.O.B. in 4 1/2 min.  
 Bled off for 5 min, No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2280.10	109.16	Initial Hydro-static
1	98.24	108.23	Open To Flow (1)
31	383.05	117.16	Shut-In(1)
76	964.83	117.99	End Shut-In(1)
77	401.96	117.72	Open To Flow (2)
122	559.71	119.10	Shut-In(2)
212	785.48	118.65	End Shut-In(2)
212	2153.91	119.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
219.00	gco 15%G 85%O	3.07
315.00	gco 50%G 50%O	4.42
315.00	gcmo 15%G 15%M 70%O	4.42
252.00	mcgo 10%M 40%G 50%O	3.53
379.00	mcgo 20%M 40%G 40%O	5.32
0.00	975 Feet Gas In Pipe	0.00

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources

**1-17s-34w Scott,KS**

1616 S Voss Rd  
STE 600  
Houston TX, 77057-2641  
ATTN: Wes Hanson

**Janzen #2-1**

Job Ticket: 58522

**DST#: 1**

Test Start: 2015.01.19 @ 12:25:00

## Tool Information

Drill Pipe:	Length: 4400.87 ft	Diameter: 3.80 inches	Volume: 61.73 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 98000.00 lb
			<u>Total Volume: 61.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.37 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4408.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.00 ft			
Tool Length:	129.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Change Over Sub	1.00			4381.50	
Shut In Tool	5.00			4386.50	
Hydraulic tool	5.00			4391.50	
Jars	5.00			4396.50	
Safety Joint	2.50			4399.00	
Packer	5.00			4404.00	27.50 Bottom Of Top Packer
Packer	4.00			4408.00	
Stubb	1.00			4409.00	
Perforations	18.00			4427.00	
Change Over Sub	1.00			4428.00	
Recorder	0.00	8675	Inside	4428.00	
Recorder	0.00	8650	Outside	4428.00	
Drill Pipe	63.00			4491.00	
Change Over Sub	1.00			4492.00	
Perforations	15.00			4507.00	
Bullnose	3.00			4510.00	102.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>129.50</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources

**1-17s-34w Scott,KS**

1616 S Voss Rd  
STE 600  
Houston TX, 77057-2641  
ATTN: Wes Hanson

**Janzen #2-1**

Job Ticket: 58522

**DST#: 1**

Test Start: 2015.01.19 @ 12:25:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 10.00 lb/gal  
Viscosity: 56.00 sec/qt  
Water Loss: 8.78 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 6000.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 33 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

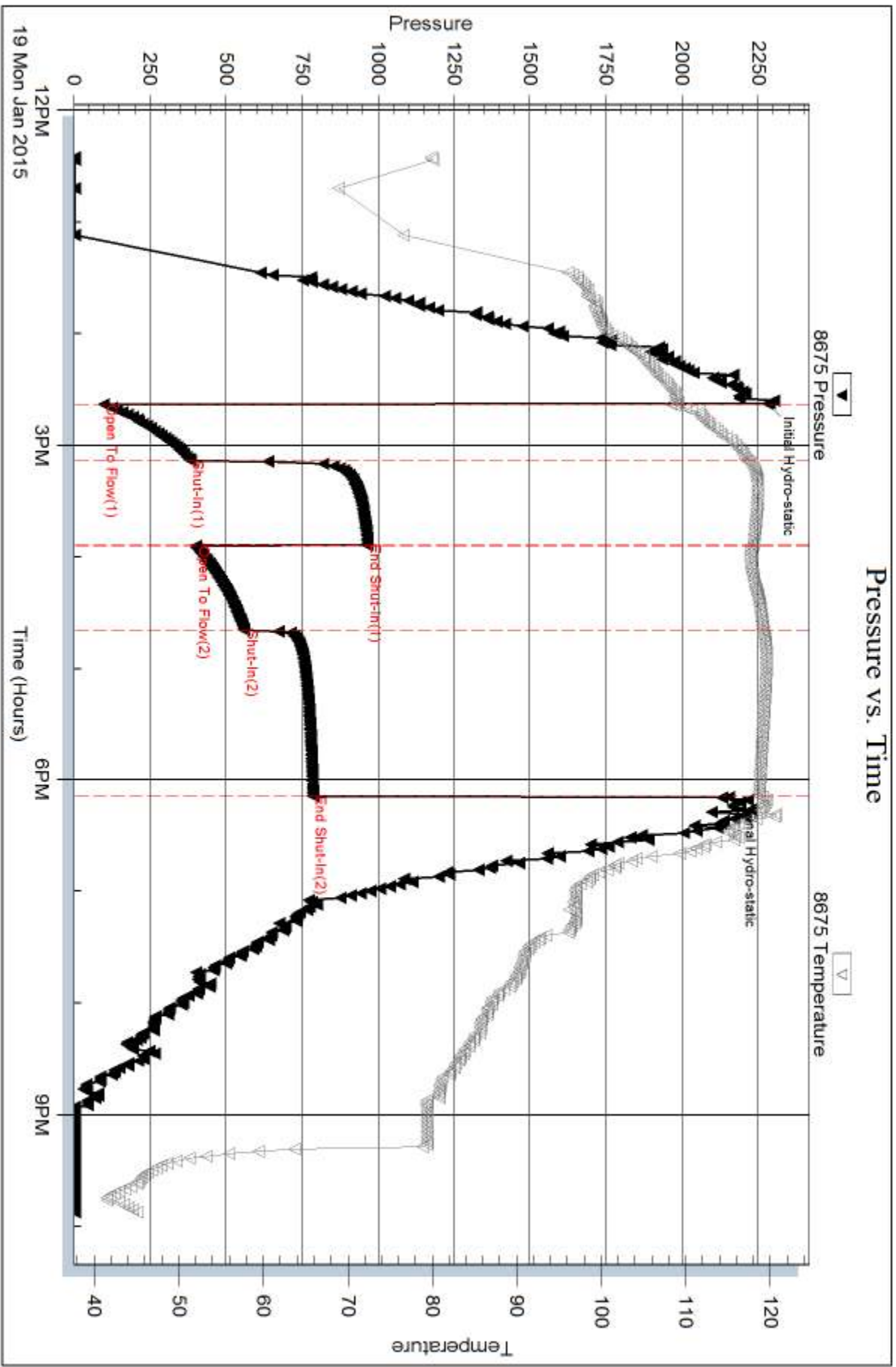
Length ft	Description	Volume bbl
219.00	gco 15%G 85%O	3.072
315.00	gco 50%G 50%O	4.419
315.00	gcmo 15%G 15%M 70%O	4.419
252.00	mcgo 10%M 40%G 50%O	3.535
379.00	mcgo 20%M 40%G 40%O	5.316
0.00	975 Feet Gas In Pipe	0.000

Total Length: 1480.00 ft      Total Volume: 20.761 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RW: 32 @ 50 F= 33

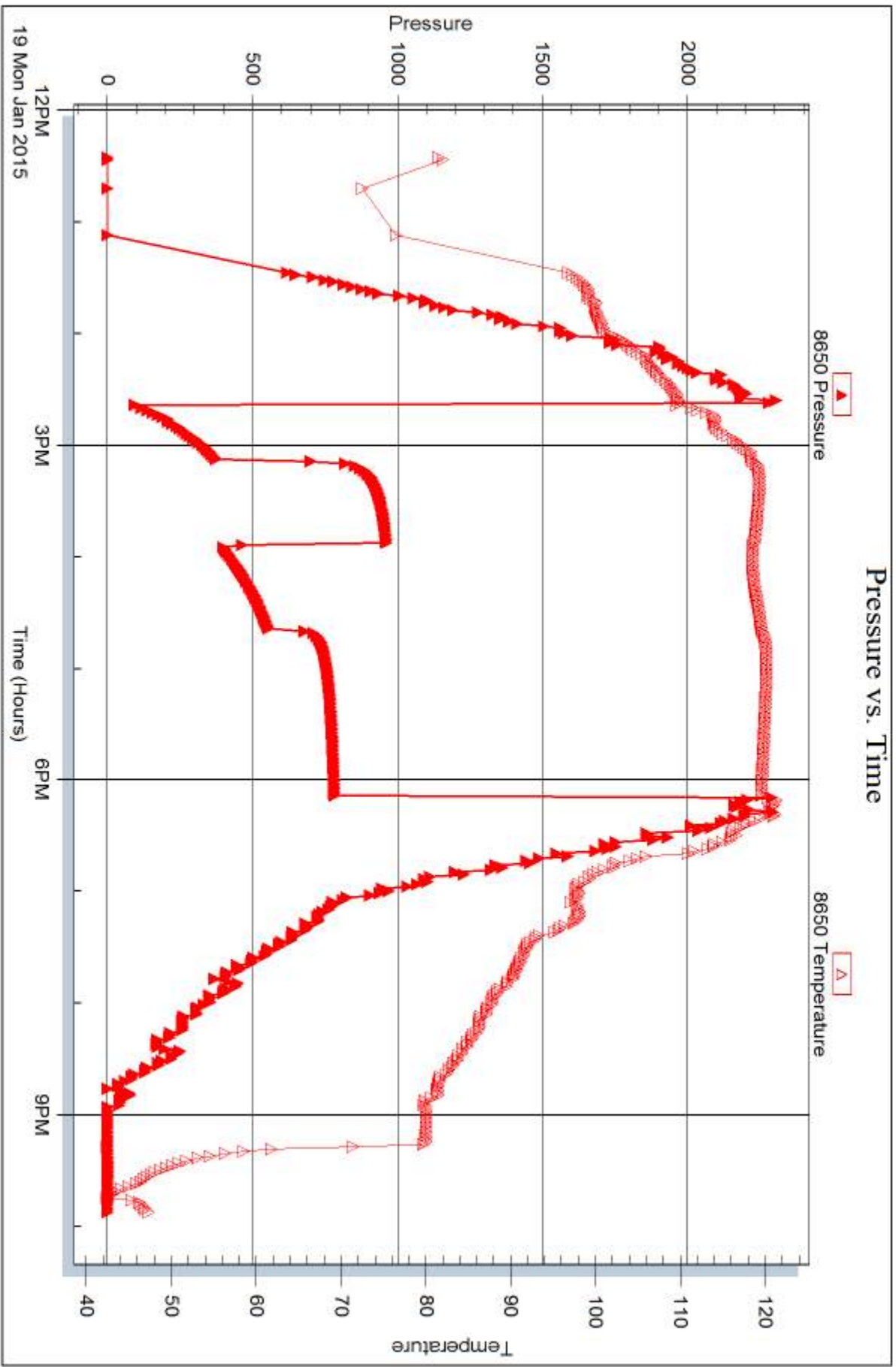


Serial #: 8650

Outside Landmark Resources

Janzen #2-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 58522

Printed: 2015.01.22 @ 14:11:42



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Rd  
STE 600  
Houston TX, 77057-2641

ATTN: Wes Hanson

### **Janzen #2-1**

#### **1-17s-34w Scott,KS**

Start Date: 2015.01.19 @ 23:10:00

End Date: 2015.01.20 @ 08:35:00

Job Ticket #: 58523                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.01.22 @ 14:11:17



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources

**1-17s-34w Scott,KS**

1616 S Voss Rd  
STE 600  
Houston TX, 77057-2641  
ATTN: Wes Hanson

**Janzen #2-1**

Job Ticket: 58523

**DST#: 2**

Test Start: 2015.01.19 @ 23:10:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:10:45

Time Test Ended: 08:35:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

**Interval: 4408.00 ft (KB) To 4510.00 ft (KB) (TVD)**

Reference Elevations: 3112.00 ft (KB)

Total Depth: 4510.00 ft (KB) (TVD)

3102.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8675 Inside**

Press@RunDepth: 359.72 psig @ 4428.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.19

End Date:

2015.01.20

Last Calib.:

2015.01.20

Start Time: 23:10:15

End Time:

08:35:00

Time On Btm:

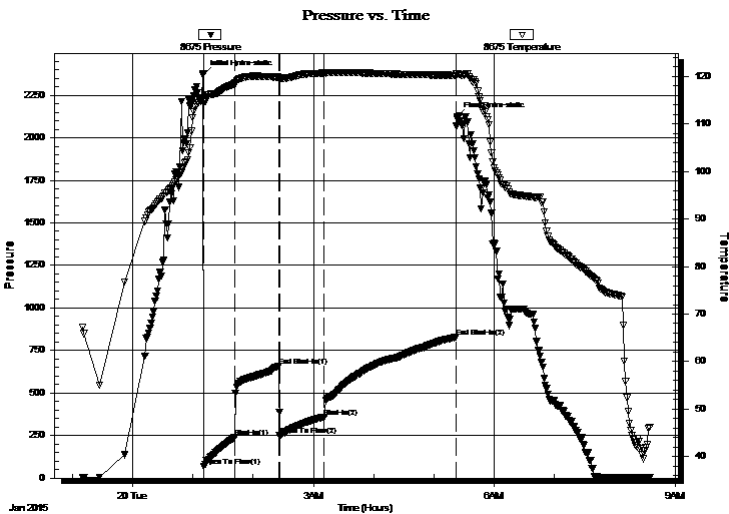
2015.01.20 @ 01:10:15

Time Off Btm:

2015.01.20 @ 05:23:00

**TEST COMMENT:** B.O.B. in 3 min.  
Bled off for 5 min, Built to 6" return blow  
B.O.B. in 5 min.  
Bled off for 5 min, Built to 1", died to no return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2371.62	115.46	Initial Hydro-static
1	67.89	114.31	Open To Flow (1)
31	238.50	118.41	Shut-In(1)
76	660.01	119.86	End Shut-In(1)
76	249.82	119.68	Open To Flow (2)
121	359.72	120.72	Shut-In(2)
252	829.39	120.25	End Shut-In(2)
253	2125.55	120.65	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	1542 Feet Gas In Pipe	0.00
282.00	gco 10%G 90%O	3.96
252.00	gco 30%G 70%O	3.53
189.00	mcgo 5%M 15%g 80%O	2.65
252.00	mcog 15%M 15%O 70%G	3.53

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources

**1-17s-34w Scott,KS**

1616 S Voss Rd  
STE 600  
Houston TX, 77057-2641  
ATTN: Wes Hanson

**Janzen #2-1**

Job Ticket: 58523

**DST#: 2**

Test Start: 2015.01.19 @ 23:10:00

## Tool Information

Drill Pipe:	Length: 4400.87 ft	Diameter: 3.80 inches	Volume: 61.73 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 61.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.37 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4408.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.00 ft			
Tool Length:	129.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Change Over Sub	1.00			4381.50	
Shut In Tool	5.00			4386.50	
Hydraulic tool	5.00			4391.50	
Jars	5.00			4396.50	
Safety Joint	2.50			4399.00	
Packer	5.00			4404.00	27.50 Bottom Of Top Packer
Packer	4.00			4408.00	
Stubb	1.00			4409.00	
Perforations	18.00			4427.00	
Change Over Sub	1.00			4428.00	
Recorder	0.00	8675	Inside	4428.00	
Recorder	0.00	8650	Outside	4428.00	
Drill Pipe	63.00			4491.00	
Change Over Sub	1.00			4492.00	
Perforations	15.00			4507.00	
Bullnose	3.00			4510.00	102.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>129.50</b>				





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources

**1-17s-34w Scott,KS**

1616 S Voss Rd  
STE 600  
Houston TX, 77057-2641  
ATTN: Wes Hanson

**Janzen #2-1**

Job Ticket: 58523

**DST#: 2**

Test Start: 2015.01.19 @ 23:10:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 10.00 lb/gal  
Viscosity: 56.00 sec/qt  
Water Loss: 8.78 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 6000.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 33 deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

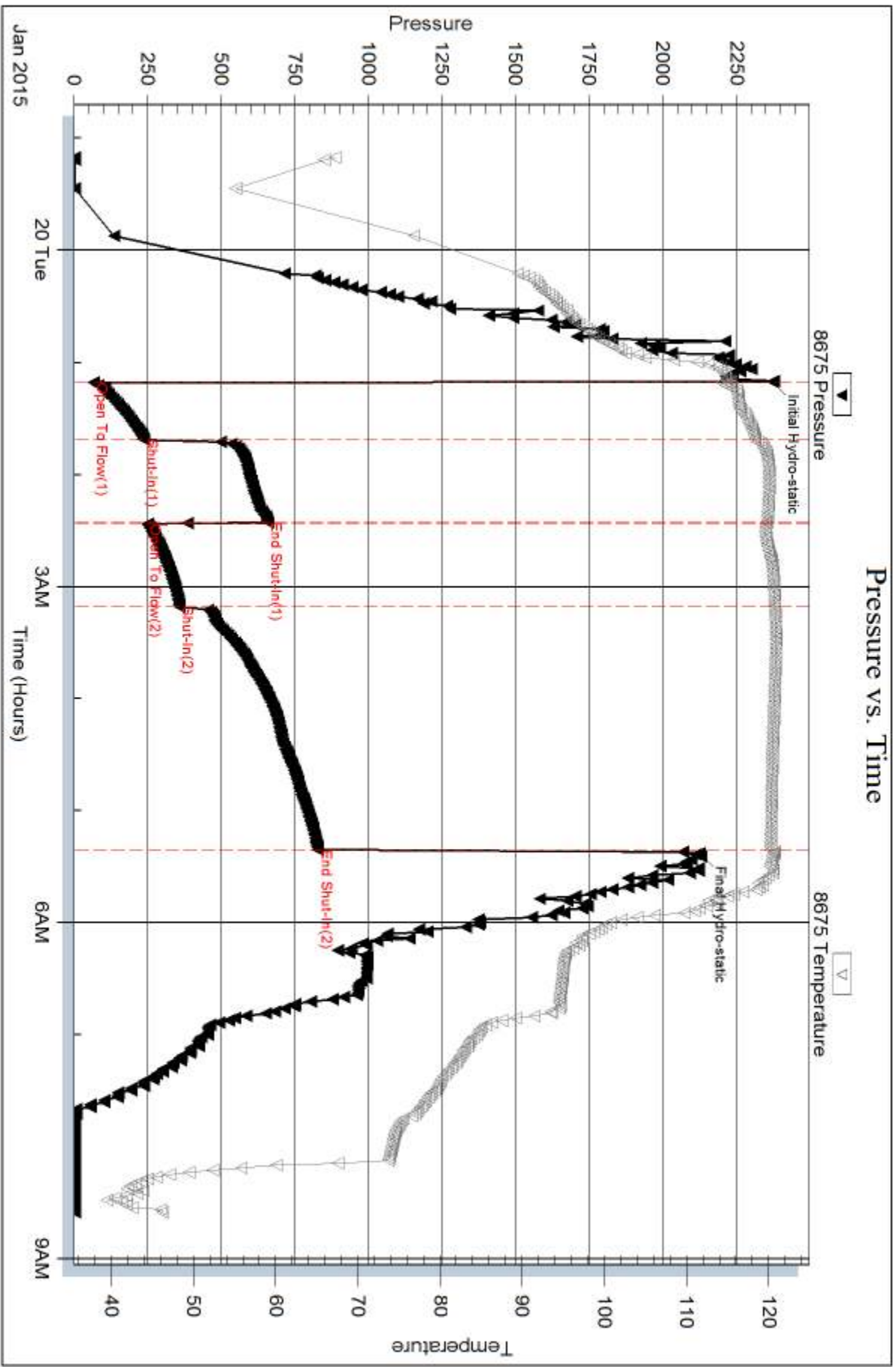
Length ft	Description	Volume bbl
0.00	1542 Feet Gas In Pipe	0.000
282.00	gco 10%G 90%O	3.956
252.00	gco 30%G 70%O	3.535
189.00	mcgo 5%M 15%g 80%O	2.651
252.00	mcog 15%M 15%O 70%G	3.535

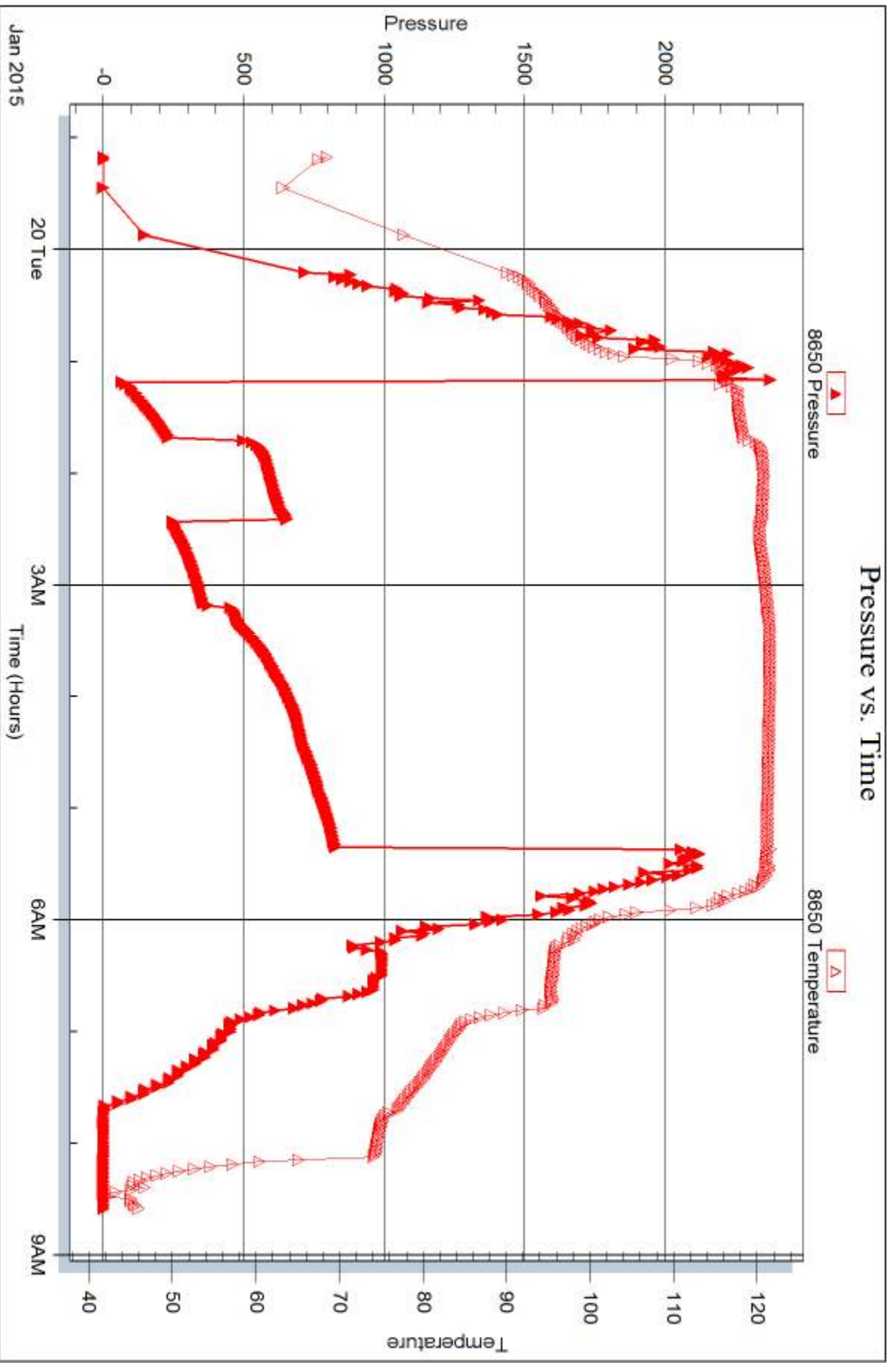
Total Length: 975.00 ft      Total Volume: 13.677 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: API: 31 @ 40 F= 33







## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Rd  
STE 600  
Houston TX, 77057-2641

ATTN: Wes Hanson

### **Janzen #2-1**

#### **1-17s-34w Scott,KS**

Start Date: 2015.01.21 @ 09:10:00

End Date: 2015.01.21 @ 17:02:45

Job Ticket #: 58524                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.01.22 @ 14:10:35



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources  
 1616 S Voss Rd  
 STE 600  
 Houston TX, 77057-2641  
 ATTN: Wes Hanson

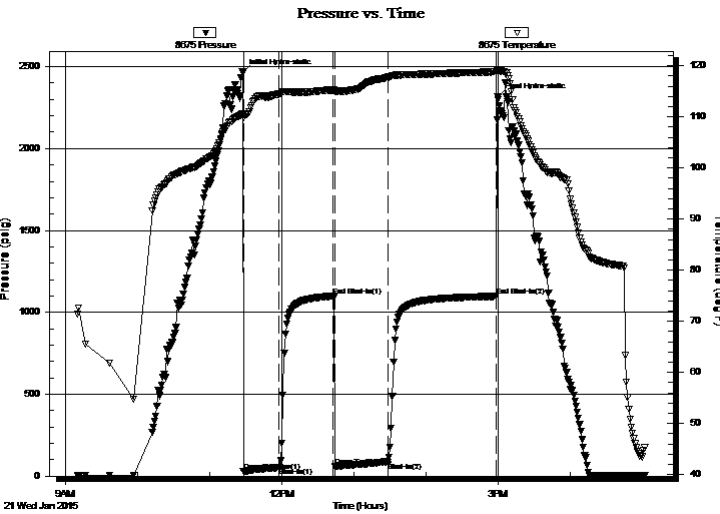
**1-17s-34w Scott,KS**  
**Janzen #2-1**  
 Job Ticket: 58524 **DST#: 3**  
 Test Start: 2015.01.21 @ 09:10:00

## GENERAL INFORMATION:

Formation: **Johnson Zone**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:28:15  
 Time Test Ended: 17:02:45  
 Interval: **4636.00 ft (KB) To 4710.00 ft (KB) (TVD)**  
 Total Depth: 4710.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jace McKinney  
 Unit No: 75  
 Reference Elevations: 3112.00 ft (KB)  
 3102.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8675 Inside**  
 Press@RunDepth: 85.18 psig @ 4659.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.01.21 End Date: 2015.01.21 Last Calib.: 2015.01.21  
 Start Time: 09:10:15 End Time: 17:02:45 Time On Btm: 2015.01.21 @ 11:27:45  
 Time Off Btm: 2015.01.21 @ 15:00:00

**TEST COMMENT:** Built 5 1/2" blow  
 Bled off for 3 min, No return blow  
 Built to 5" blow  
 Bled off for 3 min, No return blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2460.45	110.66	Initial Hydro-static
1	28.15	109.93	Open To Flow (1)
31	53.53	114.47	Shut-In(1)
76	1099.33	115.27	End Shut-In(1)
77	60.03	115.03	Open To Flow (2)
121	85.18	117.73	Shut-In(2)
211	1097.76	118.84	End Shut-In(2)
213	2314.14	119.10	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	Clean Oil	0.07
126.00	ocm 5%O 95%M	1.77

\* Recovery from multiple tests

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources

**1-17s-34w Scott,KS**

1616 S Voss Rd  
STE 600  
Houston TX, 77057-2641  
ATTN: Wes Hanson

**Janzen #2-1**

Job Ticket: 58524

**DST#: 3**

Test Start: 2015.01.21 @ 09:10:00

## Tool Information

Drill Pipe:	Length: 4622.52 ft	Diameter: 3.80 inches	Volume: 64.84 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 92000.00 lb
			<u>Total Volume: 64.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.02 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4636.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	101.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4609.50	
Shut In Tool	5.00			4614.50	
Hydraulic tool	5.00			4619.50	
Jars	5.00			4624.50	
Safety Joint	2.50			4627.00	
Packer	5.00			4632.00	27.50 Bottom Of Top Packer
Packer	4.00			4636.00	
Stubb	1.00			4637.00	
Perforations	21.00			4658.00	
Change Over Sub	1.00			4659.00	
Recorder	0.00	8675	Inside	4659.00	
Recorder	0.00	8650	Outside	4659.00	
Drill Pipe	32.00			4691.00	
Change Over Sub	1.00			4692.00	
Perforations	15.00			4707.00	
Bullnose	3.00			4710.00	74.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>101.50</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources

**1-17s-34w Scott,KS**

1616 S Voss Rd  
STE 600  
Houston TX, 77057-2641  
ATTN: Wes Hanson

**Janzen #2-1**

Job Ticket: 58524

**DST#: 3**

Test Start: 2015.01.21 @ 09:10:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.59 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 6500.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

30 deg API

Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Clean Oil	0.070
126.00	ocm 5%O 95%M	1.767

Total Length: 131.00 ft      Total Volume: 1.837 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

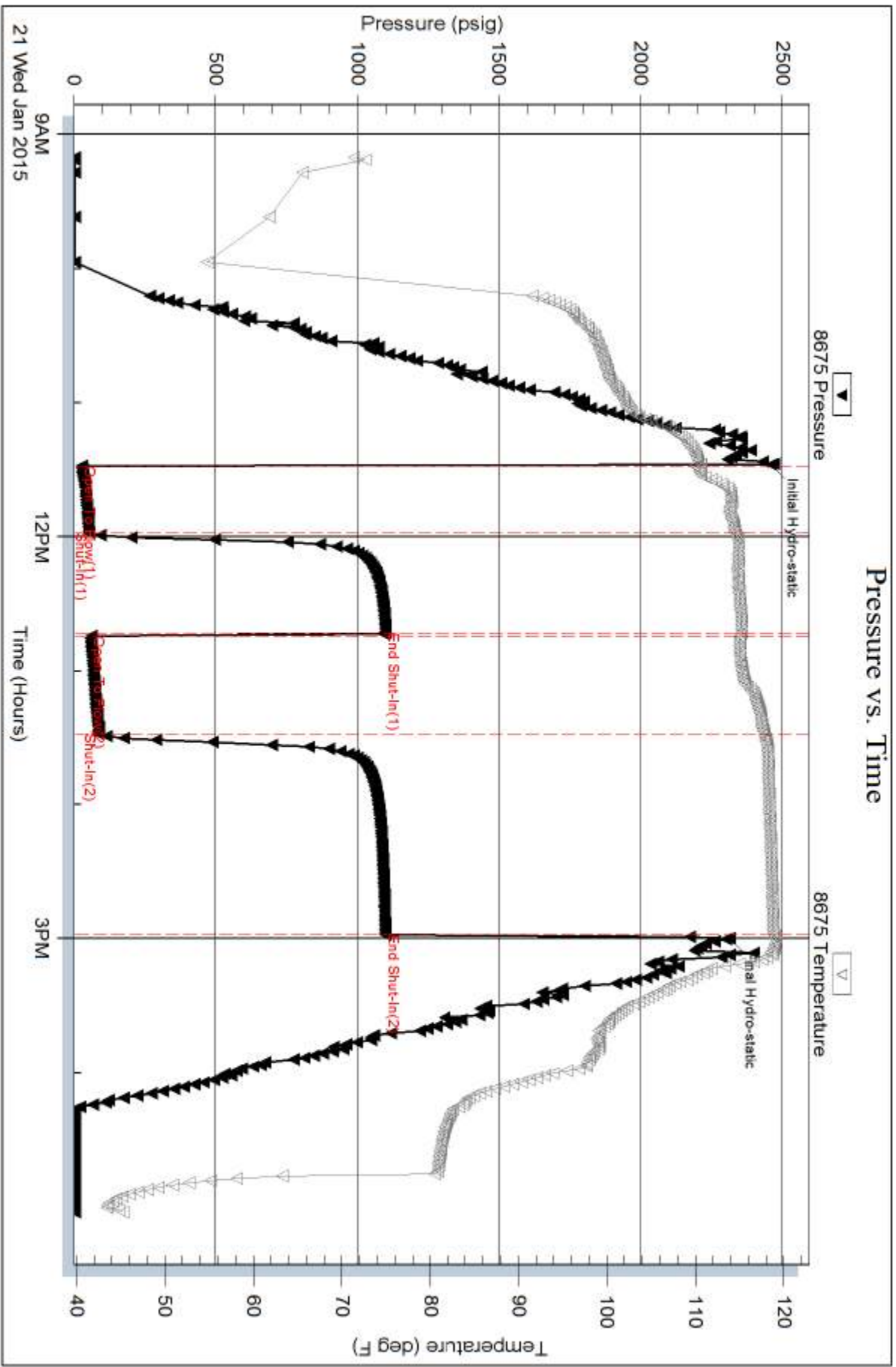
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: 28 @ 40 F = 30



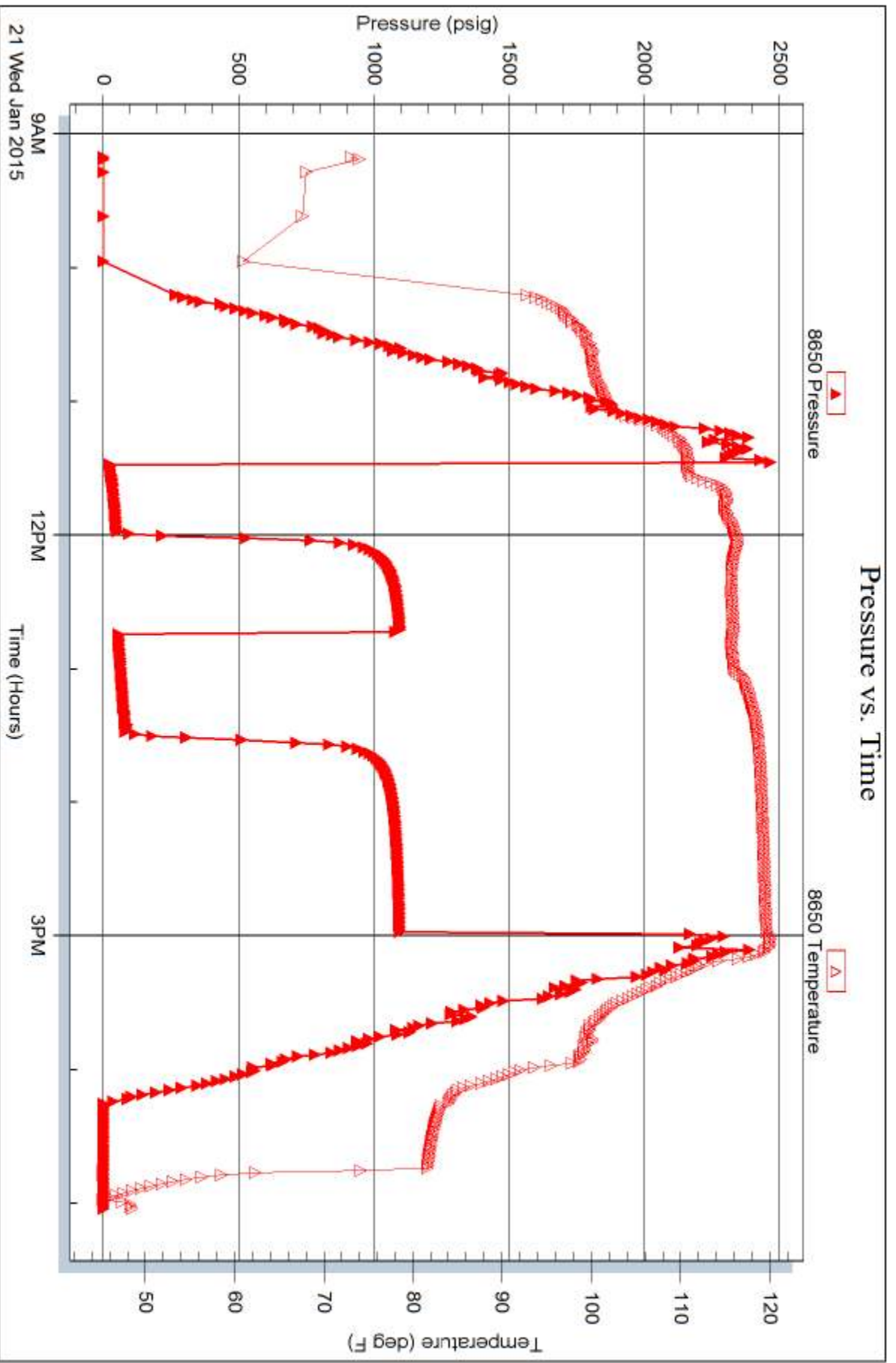


Serial #: 8650

Outside Landmark Resources

Janzen #2-1

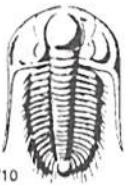
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58524

Printed: 2015.01.22 @ 14:10:37



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58522

4/10

Well Name & No. Janzen # 2-1 Test No. 1 Date 1/19/15  
 Company Landmark Resources Elevation 3112 KB 3102 GL  
 Address Kelle S Voss Rd, STE 600 Houston TX, 77057-2641  
 Co. Rep / Geo. Wes Hanson Rig Val Rig I  
 Location: Sec. 1 Twp. 17B Rge. 34W Co. Scott State KS

Interval Tested 4408-4510 Zone Tested Marmaton  
 Anchor Length 102 Drill Pipe Run 4400.87 Mud Wt. 9.5  
 Top Packer Depth 4404 Drill Collars Run \_\_\_\_\_ Vis 56  
 Bottom Packer Depth 4408 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4510 Chlorides 6,000 ppm System LCM 2#

Blow Description B.O.B. in 3 min.  
Bled off for 5 min. Built to 1/2", died to surface return below  
B.O.B. in 4 1/2 min.

Bled off for 5 min. No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>219</u>	<u>geo</u>	<u>15</u>	<u>85</u>		
<u>315</u>	<u>geo</u>	<u>50</u>	<u>50</u>		
<u>315</u>	<u>gcmo</u>	<u>15</u>	<u>70</u>		<u>15</u>
<u>252</u>	<u>mego</u>	<u>40</u>	<u>50</u>		<u>10</u>
<u>379</u>	<u>mego</u>	<u>40</u>	<u>40</u>		<u>20</u>

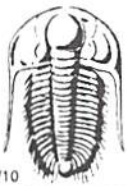
Rec Total 1480 BHT 119 Gravity 33 API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2,280  Test 1150 T-On Location 11:30  
 (B) First Initial Flow 98  Jars 250 T-Started 12:25  
 (C) First Final Flow 383  Safety Joint 75 T-Open 14:38  
 (D) Initial Shut-In 965  Circ Sub N/C T-Pulled 18:08  
 (E) Second Initial Flow 402  Hourly Standby \_\_\_\_\_ T-Out 21:53  
 (F) Second Final Flow 560  Mileage 40 RT 40 Comments 975' Gas In Pipe  
 (G) Final Shut-In 785  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2,154  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 90  
 Sub Total 1515

Approved By Wesley Hanson 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. 58523

Well Name & No. Janzen # 2-1 Test No. 2 Date 1/19/15 1/20/15  
 Company Landmark Resources Elevation 3112 KB 3102 GL  
 Address 11616 S Voss Rd, STE 600, Houston TX, 77057-2141  
 Co. Rep / Geo. Wes Hanson Rig Val Rig 1  
 Location: Sec. 1 Twp. 17s Rge. 34w Co. Scott County State K5

Interval Tested 4408-4510 Zone Tested Marmaton  
 Anchor Length 102 Drill Pipe Run 4400.81 Mud Wt. 9.5  
 Top Packer Depth 4404 Drill Collars Run \_\_\_\_\_ Vis 56  
 Bottom Packer Depth 4408 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4510 Chlorides 6,000 ppm System LCM 2#

Blow Description B.O.B. in 3 min.  
Bled off for 5 min. Built to 6" return below  
B.O.B. in 5 min.

Bled off for 5 min. Built to 1", died to no return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>1542' casing in pipe</u>				
<u>282</u>	<u>gco</u>	<u>10</u>	<u>90</u>		
<u>252</u>	<u>gco</u>	<u>30</u>	<u>70</u>		
<u>189</u>	<u>mcoq</u>	<u>15</u>	<u>80</u>		<u>5</u>
<u>252</u>	<u>mcoq</u>	<u>70</u>	<u>15</u>		<u>15</u>

Rec Total 976 BHT 120 Gravity 33 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2,372</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>22:00</u>
(B) First Initial Flow <u>68</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>23:10</u>
(C) First Final Flow <u>239</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>01:11</u>
(D) Initial Shut-In <u>660</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>05:11</u>
(E) Second Initial Flow <u>250</u>	<input checked="" type="checkbox"/> Hourly Standby <u>2 hours 000</u>	T-Out <u>08:35</u>
(F) Second Final Flow <u>360</u>	<input checked="" type="checkbox"/> Mileage <u>HORT 40</u>	Comments _____
(G) Final Shut-In <u>829</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2,126</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 120

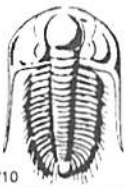
Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Sub Total 1515

Sub Total \_\_\_\_\_  
 Total 1515  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ 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. 58524

Well Name & No. Janzen # 2-1 Test No. 3 Date 1/21/15  
 Company Landmark Resources Elevation 3112 KB 3102 GL  
 Address 1666 S Voss Rd, STE 600 Houston TX, 77057-2641  
 Co. Rep / Geo. Wes Hanson Rig Val Rig 1  
 Location: Sec. 1 Twp. 17s Rge. 34w Co. Scott County State K5

Interval Tested 4636-4710 Zone Tested Johnson Zone  
 Anchor Length 74 Drill Pipe Run 4622.52 Mud Wt. 9.4  
 Top Packer Depth 4632 Drill Collars Run \_\_\_\_\_ Vis 52  
 Bottom Packer Depth 4636 Wt. Pipe Run \_\_\_\_\_ WL 9.6  
 Total Depth 4710 Chlorides 6,500 ppm System LCM 3#

Blow Description Built to 5 1/2" below  
Bled off for 3 min. No return below

Built to 5" below  
Bled off for 3 min. No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>oil</u>	<u>100</u>			
<u>126</u>	<u>OCM</u>				
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 131 BHT 119 Gravity 30 API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2,460  Test 1150 T-On Location 08:00  
 (B) First Initial Flow 28  Jars 250 T-Started 09:10  
 (C) First Final Flow 54  Safety Joint 75 T-Open 11:29  
 (D) Initial Shut-In 1,099  Circ Sub N/C T-Pulled 14:59  
 (E) Second Initial Flow 60  Hourly Standby \_\_\_\_\_ T-Out 17:02  
 (F) Second Final Flow 85  Mileage 40 RTX 2 80 Comments Loaded tools 08:00  
 (G) Final Shut-In 1,098  Sampler \_\_\_\_\_ on 1/22/15  
 (H) Final Hydrostatic 2,314  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 45  Day Standby \_\_\_\_\_ Total 1555  
 Final Shut-In 90  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1555

Approved By \_\_\_\_\_ Our Representative [Signature]

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