



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1191223  
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: \_\_\_\_\_

1191223

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](mailto: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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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

<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> <input type="checkbox"/> Other <i>(Specify)</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	Rose 3-3
Doc ID	1191223

All Electric Logs Run

Dual Induction Log
Microresistivity Log
Borehole Compensated Sonic Log
Dual Compensated Porosity Log

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Rose 3-3
Doc ID	1191223

Tops

Name	Top	Datum
Anhydrite	2454	685
B/Anhydrite	2473	666
Topeka	3759	-620
Heebner	4000	-861
Toronto	4018	-879
Lansing	4047	-908
C	4083	-944
D	4101	-962
E	4149	-1010
F	4162	-1023
Muncie Creek	4232	-1093
H	4242	-1103
I	4270	-1131
J	4304	-1165
Stark Shale	4330	-1191
K	4342	-1203
L	4379	-1240
BKC	4417	-1278
Marmaton	4476	-1337
Altamont	4490	-1351
Pawnee	4562	-1423
Myrick Station	4591	-1452
Fort Scott	4604	-1465
Cherokee	4630	-1491

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Rose 3-3
Doc ID	1191223

Tops

Name	Top	Datum
Johnson Zone	4676	-1537
Up Morrow Sand	4806	-1667
Missippian	4824	-1685





# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 140449  
Invoice Date: Dec 18, 2013  
Page: 1

71730

APPROVED JAN 03 2014

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

JAN 08 2014

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

<b>Customer ID</b>	<b>Field Ticket #</b>	<b>Payment Terms</b>	
Land	61087	Net 30 Days	
<b>Job Location</b>	<b>Camp Location</b>	<b>Service Date</b>	<b>Due Date</b>
KS1-01	Great Bend	Dec 18, 2013	1/17/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Rose #3-3		
210.00	CEMENT MATERIALS	Class A Common	17.90	3,759.00
4.00	CEMENT MATERIALS	Gel	23.40	93.60
592.00	CEMENT MATERIALS	Chloride	0.80	473.60
227.16	CEMENT SERVICE	Cubic Feet Charge	2.48	563.36
518.00	CEMENT SERVICE	Ton Mileage Charge	2.60	1,346.80
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
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	Joshua Isaac		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		

PD.  
JAN 08 2014

#  
45097  
42,308.98

0 \* \*

8,706.20 +

1,670.72 -

7,035.48 \* +

Subtotal	8,353.61
Sales Tax	352.59
Total Invoice	8,706.20
Payment/Cred	
<b>TOTAL</b>	<b>8,706.20</b>

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

\$ 1,670.72

ONLY IF PAID ON OR BEFORE  
Jan 12, 2014

# ALLIED OIL & GAS SERVICES, LLC 061087

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Great Bend

DATE <u>12-10-13</u>	SEC. <u>3</u>	TWP. <u>17</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30 PM</u>	JOB FINISH <u>2:15 PM</u>
LEASE <u>Rose</u>		WELL# <u>3-3</u>	LOCATION <u>Dence - S on Cherokee Rd-3m</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			E info				

CONTRACTOR Mike & Debbie Zick OWNER \_\_\_\_\_

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. \_\_\_\_\_

CASING SIZE 8 7/8 DEPTH 263

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15 Ft

PERFS. \_\_\_\_\_

DISPLACEMENT 15.79 bbl freshwater

CEMENT AMOUNT ORDERED 210 SK Class A 3 3/4 2 1/2 gel

**EQUIPMENT**

PUMP TRUCK CEMENTER Mike Zick

# 398 HELPER Mike Gibson

BULK TRUCK DRIVER Tommy Tijerina TWS

# 609-198

BULK TRUCK DRIVER \_\_\_\_\_

# \_\_\_\_\_

COMMON	<u>210</u>	@ <u>17.90</u>	<u>3,759.00</u>
POZMIX		@	
GEL	<u>400</u>	@ <u>23.40</u>	<u>93.60</u>
CHLORIDE	<u>592</u>	@ <u>1.80</u>	<u>1,065.60</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>227.16</u>	@ <u>2.48</u>	<u>563.35</u>
MILEAGE	<u>10.36 x 56x</u>	<u>2.60</u>	<u>1,346.80</u>
<b>TOTAL</b>			<u>6,236.35</u>

**REMARKS:**

On location - Rig up had surface casing run 4 7/8 casing - good connection / finished pump 5 bbls fresh water mix 210 SKS Class A 3 3/4 2 1/2 gel Displace 15.79 bbl freshwater Start on 2:00 am cement did circulate Rig down

**SERVICE**

DEPTH OF JOB			
PUMP TRUCK CHARGE	<u>1512.25</u>		
EXTRA FOOTAGE	@		
MILEAGE Hum	<u>50</u>	@ <u>7.70</u>	<u>385.00</u>
MANIFOLD	@		
Hum	<u>50</u>	@ <u>4.40</u>	<u>220.00</u>
	@		

**TOTAL** 2,117.25

CHARGE TO: Landmark Resources

STREET \_\_\_\_\_

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

**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.

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

TOTAL CHARGES 8,353.60

DISCOUNT 1,670.72 IF PAID IN 30 DAYS

PRINTED NAME Juan Tinoco

SIGNATURE Juan Tinoco

6,682.88





PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 140604  
Invoice Date: Dec 31, 2013  
Page: 1

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

73550

APPROVED JAN 08 2014

Customer ID	Field Ticket #	Payment Terms	
Land	62123	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Dec 31, 2013	1/30/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Rose #3-3		
150.00	CEMENT MATERIALS	ASC	20.90	3,135.00
460.00	CEMENT MATERIALS	Light Weight	15.95	7,337.00
16.00	CEMENT MATERIALS	Salt	26.35	421.60
900.00	CEMENT MATERIALS	Gilsonite	0.98	882.00
115.00	CEMENT MATERIALS	Flo Seal	2.97	341.55
12.00	CEMENT MATERIALS	Super Flush	58.70	704.40
715.10	CEMENT SERVICE	Cubic Feet Charge	2.48	1,773.45
1,344.15	CEMENT SERVICE	Ton Mileage Charge	2.60	3,494.79
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
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.26	5,335.26
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	408.33	408.33
1.00	EQUIPMENT SALES	5-1/2 Latch Down Plug	324.09	324.09
13.00	EQUIPMENT SALES	5-1/2 Centralizer	57.33	745.29
2.00	EQUIPMENT SALES	5-1/2 Basket	394.29	788.58
1.00	CEMENT SUPERVISOR	LaRene Wentz		
1.00	CEMENT SUPERVISOR	Kelly Gabel		

JAN 08 2014  
42,308.98

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

\$ 6,261.10

ONLY IF PAID ON OR BEFORE  
Jan 25, 2014

Subtotal		Continued
Sales Tax		Continued
Total Invoice Ar		Continued
Payment/Credit		
<b>TOTAL</b>	6,261.40 - 33,347.32 +	<b>Continued</b>

000

27,085.92 +



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 140604  
Invoice Date: Dec 31, 2013  
Page: 2

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

**Bill To:**

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

Customer ID	Field Ticket #	Payment Terms	
Land	62123	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Dec 31, 2013	1/30/14

Quantity	Item	Description	Unit Price	Amount
1.00	EQUIPMENT OPERATOR	Daniel Casper		
1.00	OPERATOR ASSISTANT	Chris Helpingstine		

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

\$ 6,261.10

ONLY IF PAID ON OR BEFORE  
Jan 25, 2014

Subtotal	31,682.84
Sales Tax	1,664.48
Total Invoice Amount	33,347.32
Payment/Credit Applied	
<b>TOTAL</b>	<b>33,347.32</b>

# ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Dakley, KS  
2200 E. 100th

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
<u>12-31-13</u>	<u>3</u>	<u>17</u>	<u>34</u>			<u>1:06 am</u>	<u>2:08 pm</u>
LEASE <u>Rose</u>		WELL# <u>3-3</u>		LOCATION <u>Pence 3/45 E pit</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR <u>Murfin 21</u>	OWNER <u>same.</u>
TYPE OF JOB <u>Production 2-stage.</u>	
HOLE SIZE <u>7 7/8</u> T.D. <u>4935'</u>	CEMENT
CASING SIZE <u>5 1/2</u> DEPTH <u>4928'</u>	AMOUNT ORDERED <u>150 sks ABC 10% use H</u>
TUBING SIZE _____ DEPTH _____	<u>6 #gilsonite 290 gal - 460 sks Lite</u>
DRILL PIPE _____ DEPTH _____	<u>74 #flo-seal 4264 Superflash</u>
TOOL <u>DU</u> DEPTH <u>2438'</u>	
PRES. MAX _____ MINIMUM _____	COMMON _____ @ _____
MEAS. LINE _____ SHOE JOINT <u>42 11'</u>	POZMIX _____ @ _____
CEMENT LEFT IN CSG. <u>42 11'</u>	GEL _____ @ _____
PERFS. _____	CHLORIDE _____ @ _____
DISPLACEMENT <u>116.28661</u>	ASC <u>150 sks @ 20.96 3135.00</u>
EQUIPMENT	<u>Lite 460 sks @ 15.95 7337.00</u>

PUMP TRUCK CEMENTER <u>Lakore E. Wente</u>	<u>Salt 16 sks @ 26.33 421.60</u>
# <u>431</u> HELPER <u>Kelly Cabel</u>	<u>Gilsonite 900 # @ .98 882.00</u>
BULK TRUCK	<u>flo-seal 115 # @ 2.97 341.50</u>
# <u>544-178</u> DRIVER <u>Dan Casper GB</u>	<u>Superflash 12651 @ 58.70 784.90</u>
BULK TRUCK	HANDLING <u>715.1 ft<sup>3</sup> @ 2.48 1773.45</u>
# <u>818/287</u> DRIVER <u>Chris Helpingstine</u>	MILEAGE <u>27.87 mx 45 x 2.60 3499.77</u>

REMARKS:  
pump ball through 405# mix superflash  
mix 150 sks ABC, Displace with water  
& mud, Land plug 1800#. float held  
Circulate 1 hr. Plug M.H. 15 sks  
plug RH 30 sks, mix 485 sks cement  
Displace with water. Land plug 1800#  
float held. Cement circulated  
60 sks to pit. Thank you

TOTAL 18089.66

SERVICE	
DEPTH OF JOB	<u>4928'</u>
PUMP TRUCK CHARGE	<u>2765.25</u>
EXTRA FOOTAGE	<u>2906.25</u>
MILEAGE M.I.H.V.	<u>45 @ 7.90 346.50</u>
MANIFOLD head	<u>275.00</u>
MFCU	<u>45 @ 4.80 198.00</u>


TOTAL 5991.50

CHARGE TO: Landmark Resources Inc  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT	
<u>DU Tool</u>	<u>5335.26</u>
<u>APU float shoe</u>	<u>408.33</u>
<u>Latchdown plug</u>	<u>324.09</u>
<u>(13) Centralizers</u>	<u>59.33 745.29</u>
<u>(2) Basketts</u>	<u>394.29 788.58</u>
TOTAL	<u>7601.55</u>

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.

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 3,1682.71  
DISCOUNT 6,261.10 IF PAID IN 30 DAYS  
25,421.60 Net.

PRINTED NAME Josua Willco  
SIGNATURE 



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss rd ste 600  
Houston, TX 77057

ATTN: Wes Hansen

### **Rose #3-3**

#### **3-17s-34w Scott, KS**

Start Date: 2013.12.28 @ 01:00:15

End Date: 2013.12.28 @ 07:44:45

Job Ticket #: 55588                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.12.31 @ 08:54:40



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources  
1616 S Voss rd ste 600  
Houston, TX 77057  
ATTN: Wes Hansen

**3-17s-34w Scott, KS**  
**Rose #3-3**  
Job Ticket: 55588 **DST#: 1**  
Test Start: 2013.12.28 @ 01:00:15

## GENERAL INFORMATION:

Formation: **Marmaton**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 03:02:15  
Time Test Ended: 07:44:45  
Interval: **4451.00 ft (KB) To 4506.00 ft (KB) (TVD)**  
Total Depth: 4506.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brandon Turley  
Unit No: 60  
Reference Elevations: 3139.00 ft (KB)  
3129.00 ft (CF)  
KB to GR/CF: 10.00 ft

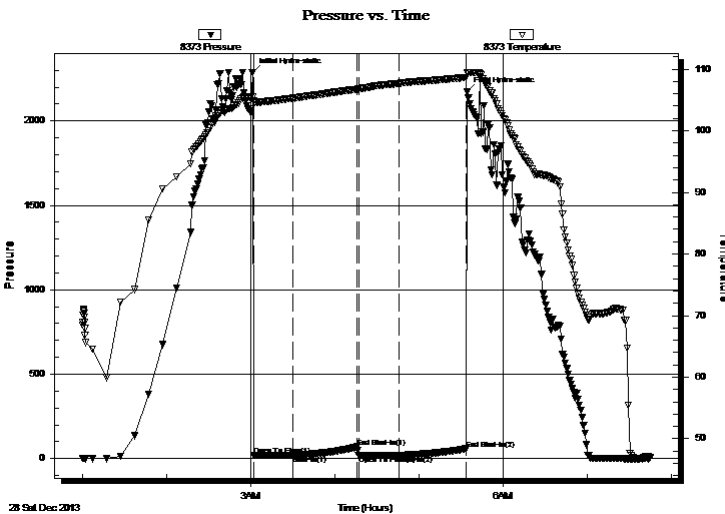
## Serial #: 8373

Inside

Press@RunDepth: 20.69 psig @ 4452.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.12.28 End Date: 2013.12.28 Last Calib.: 2013.12.28  
Start Time: 01:00:20 End Time: 07:44:44 Time On Btm: 2013.12.28 @ 03:01:15  
Time Off Btm: 2013.12.28 @ 05:34:15

TEST COMMENT: IF: Surface blow died in 5 min.  
IS: No return.  
FF: No blow.  
FS: No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2287.50	105.46	Initial Hydro-static
1	19.34	104.78	Open To Flow (1)
29	20.04	105.29	Shut-In(1)
75	69.98	106.73	End Shut-In(1)
76	20.20	106.77	Open To Flow (2)
105	20.69	107.67	Shut-In(2)
152	57.59	108.64	End Shut-In(2)
153	2170.90	109.34	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Landmark Resources  
1616 S Voss rd ste 600  
Houston, TX 77057  
ATTN: Wes Hansen

**3-17s-34w Scott, KS**

**Rose #3-3**

Job Ticket: 55588      **DST#: 1**  
Test Start: 2013.12.28 @ 01:00:15

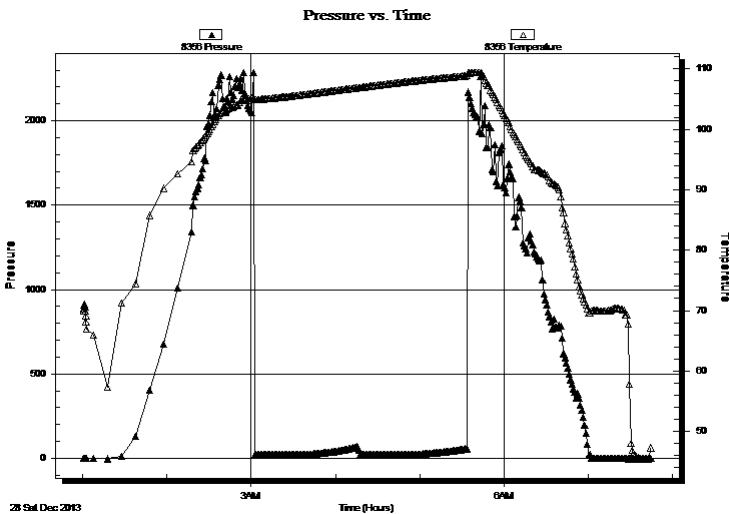
**GENERAL INFORMATION:**

Formation: **Marmaton**  
Deviated: No Whipstock:                      ft (KB)      Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 03:02:15      Tester: Brandon Turley  
Time Test Ended: 07:44:45      Unit No: 60  
**Interval: 4451.00 ft (KB) To 4506.00 ft (KB) (TVD)**      Reference Elevations: 3139.00 ft (KB)  
Total Depth: 4506.00 ft (KB) (TVD)      3129.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good      KB to GR/CF: 10.00 ft

**Serial #: 8356      Outside**

Press@RunDepth:                      psig @ 4452.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.12.28      End Date: 2013.12.28      Last Calib.: 2013.12.28  
Start Time: 01:00:37      End Time: 07:45:01      Time On Btm:  
Time Off Btm:

TEST COMMENT: IF: Surface blow died in 5 min.  
IS: No return.  
FF: No blow.  
FS: No return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
5.00	mud 100% <sub>m</sub>	0.02

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources

**3-17s-34w Scott, KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Rose #3-3**

Job Ticket: 55588

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2013.12.28 @ 01:00:15

## Tool Information

Drill Pipe:	Length: 4178.00 ft	Diameter: 3.80 inches	Volume: 58.61 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 59.96 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	80000.00 lb
Depth to Top Packer:	4451.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	55.00 ft				
Tool Length:	83.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Stubb	1.00			4424.00	
Shut In Tool	5.00			4429.00	
Hydraulic tool	5.00			4434.00	
Jars	5.00			4439.00	
Safety Joint	3.00			4442.00	
Packer	5.00			4447.00	28.00 Bottom Of Top Packer
Packer	4.00			4451.00	
Stubb	1.00			4452.00	
Recorder	0.00	8373	Inside	4452.00	
Recorder	0.00	8356	Outside	4452.00	
Perforations	16.00			4468.00	
Change Over Sub	1.00			4469.00	
Drill Pipe	31.00			4500.00	
Change Over Sub	1.00			4501.00	
Bullnose	5.00			4506.00	55.00 Bottom Packers & Anchor

**Total Tool Length: 83.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources

**3-17s-34w Scott, KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Rose #3-3**

Job Ticket: 55588

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2013.12.28 @ 01:00:15

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 15.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 20000.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

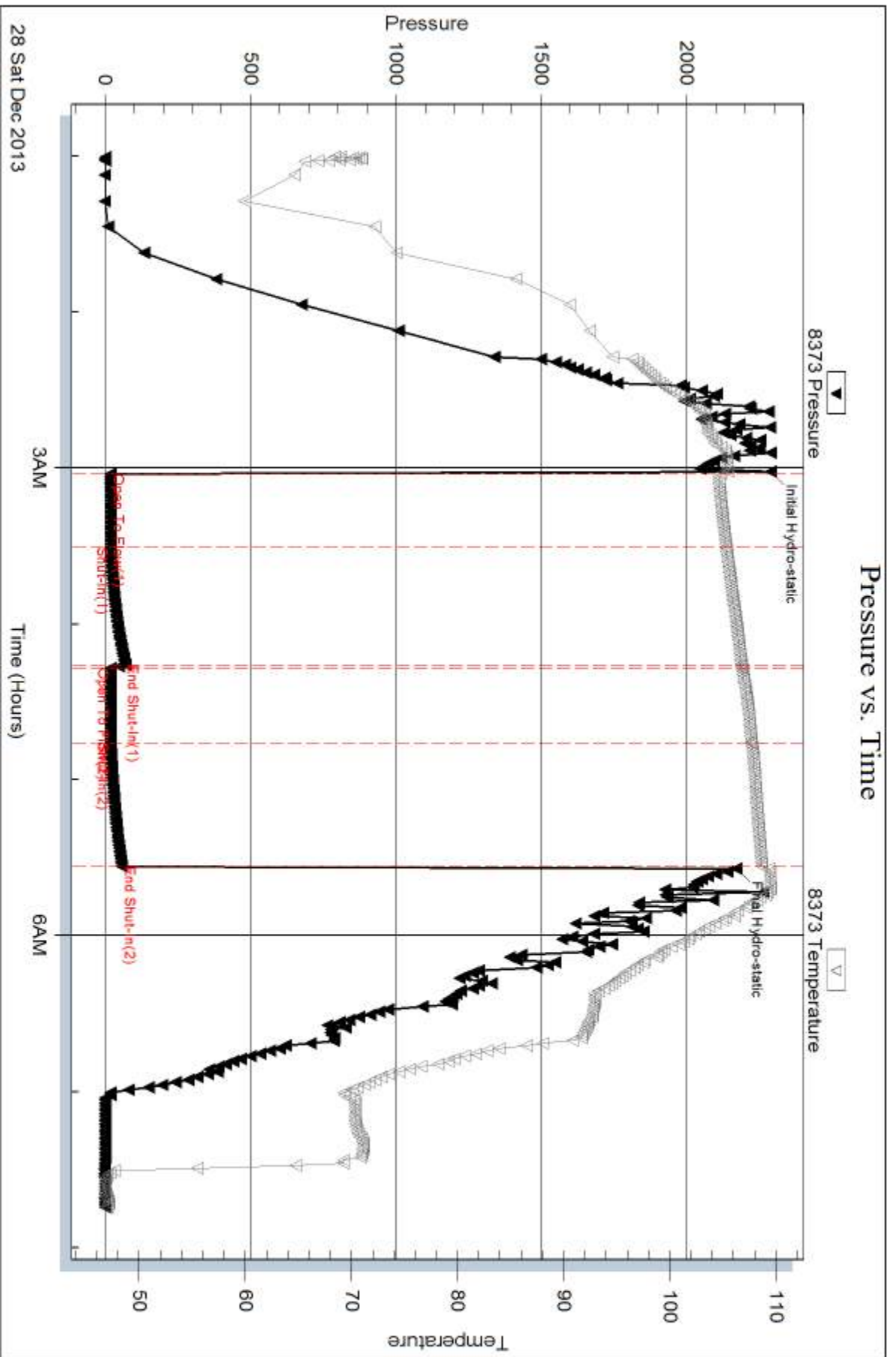
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



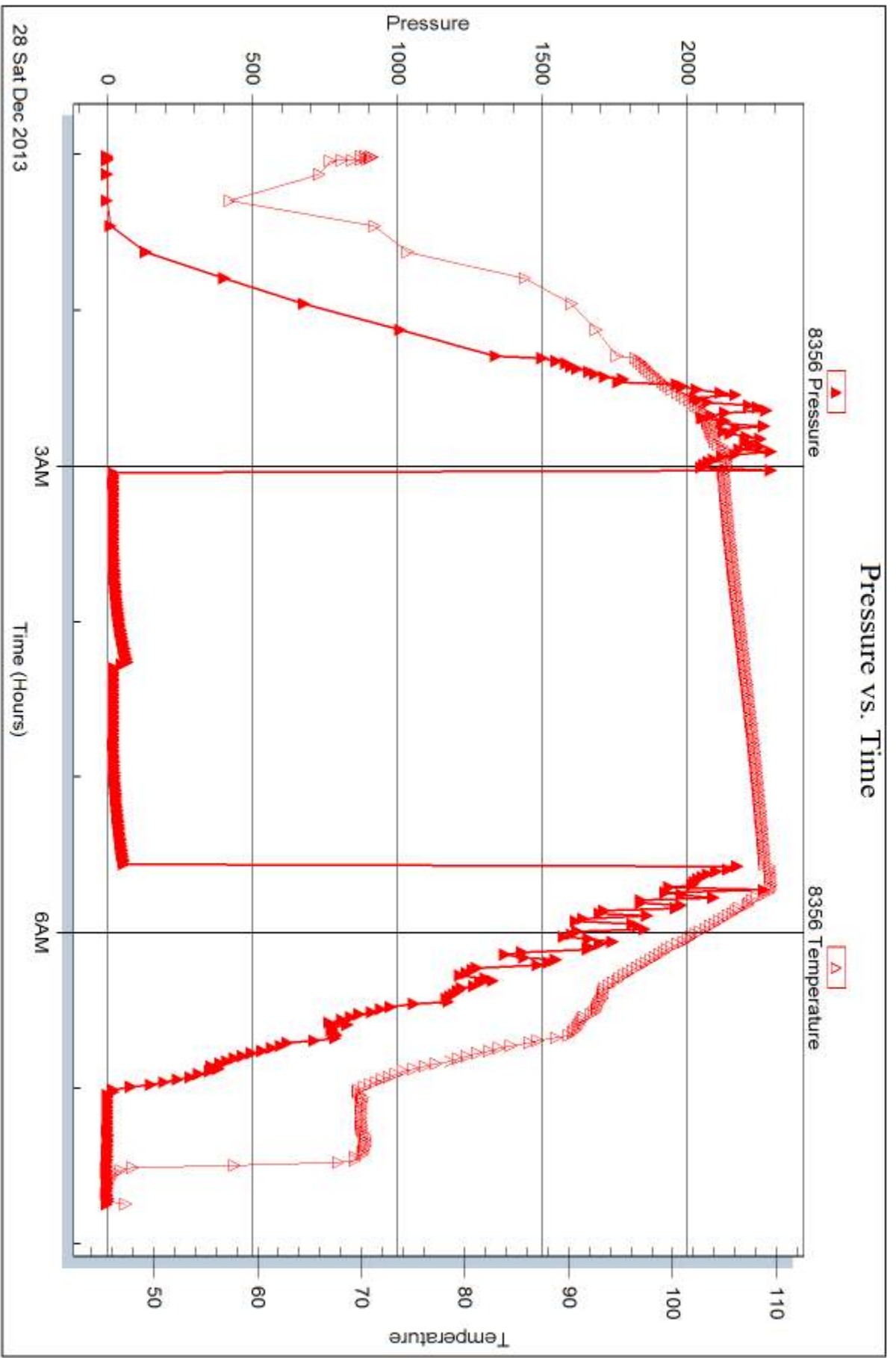


Serial #: 8356

Outside Landmark Resources

Rose #3-3

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss rd ste 600  
Houston, TX 77057

ATTN: Wes Hansen

### **Rose #3-3**

#### **3-17s-34w Scott, KS**

Start Date: 2013.12.28 @ 17:07:26

End Date: 2013.12.29 @ 01:15:56

Job Ticket #: 55598                      DST #: 2

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

Printed: 2013.12.31 @ 08:53:55



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources  
1616 S Voss rd ste 600  
Houston, TX 77057  
ATTN: Wes Hansen

**3-17s-34w Scott, KS**  
**Rose #3-3**  
Job Ticket: 55598 **DST#: 2**  
Test Start: 2013.12.28 @ 17:07:26

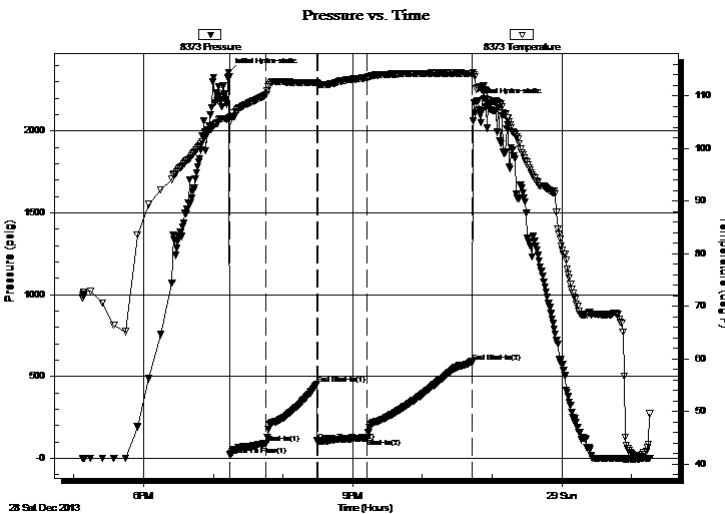
## GENERAL INFORMATION:

Formation: **Altamont**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 19:14:26  
Time Test Ended: 01:15:56  
Interval: **4502.00 ft (KB) To 4549.00 ft (KB) (TVD)**  
Total Depth: 4549.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Brandon Turley  
Unit No: 60  
Reference Elevations: 3139.00 ft (KB)  
3129.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 8373** **Inside**  
Press@RunDepth: 125.56 psig @ 4503.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.12.28 End Date: 2013.12.29 Last Calib.: 2013.12.29  
Start Time: 17:07:31 End Time: 01:15:55 Time On Btm: 2013.12.28 @ 19:12:56  
Time Off Btm: 2013.12.28 @ 22:44:26

TEST COMMENT: IF: BOB in 20 min.  
IS: Surface blow built to 2"  
FF: BOB in 40 min.  
FS: Surface blow built to 1"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2357.73	105.67	Initial Hydro-static
2	22.48	105.15	Open To Flow (1)
33	93.99	110.18	Shut-In(1)
76	451.44	112.47	End Shut-In(1)
77	104.79	112.22	Open To Flow (2)
120	125.56	113.48	Shut-In(2)
210	590.87	114.26	End Shut-In(2)
212	2175.45	113.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 20%g 20%o 60%m	0.30
60.00	mcgo 20%g 50%o 30%m	0.30
169.00	mcgo 30%g 65%o 5%m	0.96
0.00	263 GIP	0.00

\* 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

**3-17s-34w Scott, KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Rose #3-3**

Job Ticket: 55598

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2013.12.28 @ 17:07:26

## Tool Information

Drill Pipe:	Length: 4209.00 ft	Diameter: 3.80 inches	Volume: 59.04 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 60.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4502.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4475.00	
Shut In Tool	5.00			4480.00	
Hydraulic tool	5.00			4485.00	
Jars	5.00			4490.00	
Safety Joint	3.00			4493.00	
Packer	5.00			4498.00	28.00 Bottom Of Top Packer
Packer	4.00			4502.00	
Stubb	1.00			4503.00	
Recorder	0.00	8373	Inside	4503.00	
Recorder	0.00	8356	Outside	4503.00	
Perforations	8.00			4511.00	
Change Over Sub	1.00			4512.00	
Drill Pipe	31.00			4543.00	
Change Over Sub	1.00			4544.00	
Bullnose	5.00			4549.00	47.00 Bottom Packers & Anchor

**Total Tool Length: 75.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources

**3-17s-34w Scott, KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Rose #3-3**

Job Ticket: 55598

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2013.12.28 @ 17:07:26

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 17000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	gocm 20%g 20%o 60%m	0.295
60.00	mcgo 20%g 50%o 30%m	0.295
169.00	mcgo 30%g 65%o 5%m	0.959
0.00	263 GIP	0.000

Total Length: 289.00 ft

Total Volume: 1.549 bbl

Num Fluid Samples: 0

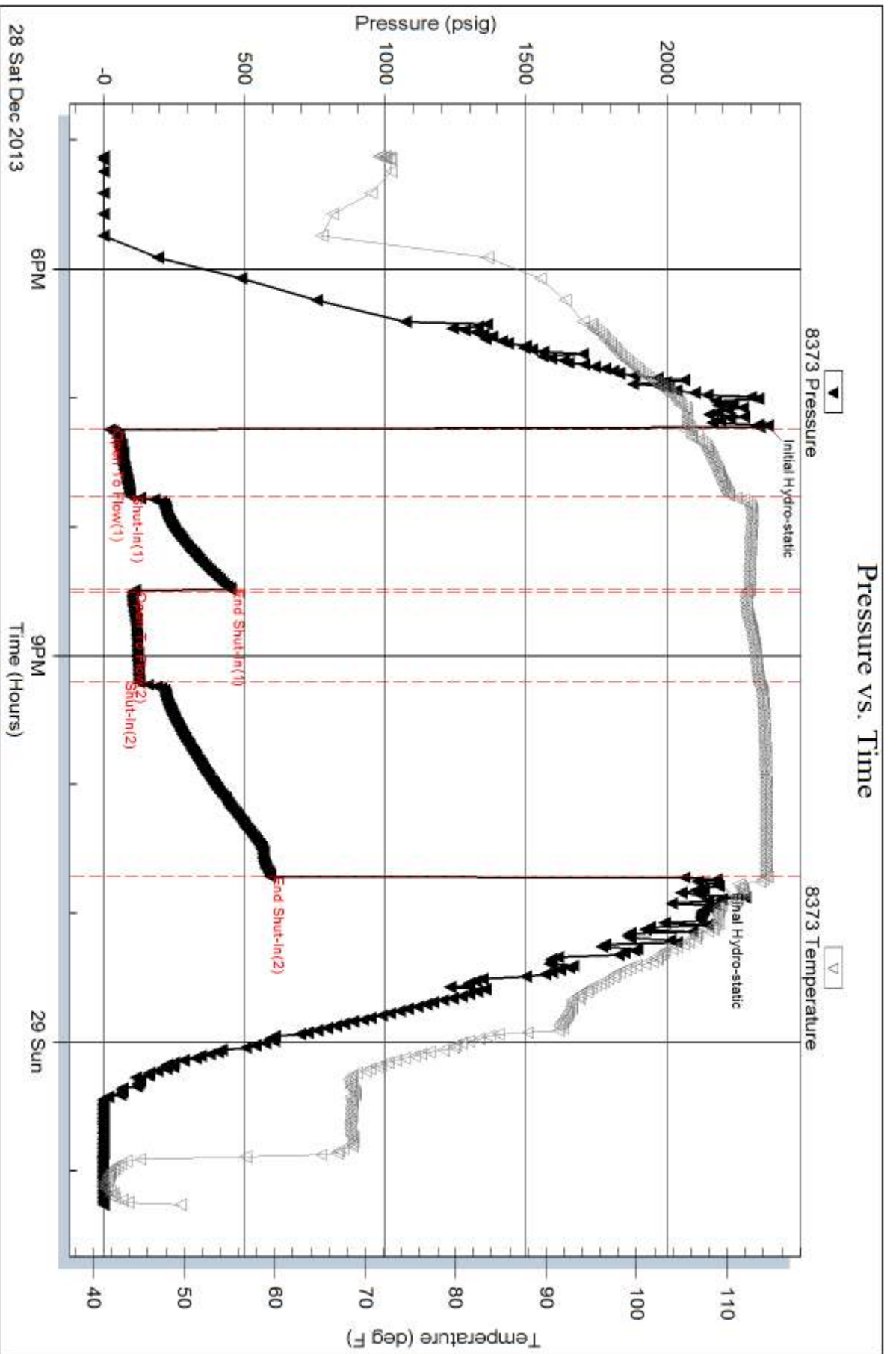
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 29@30=32



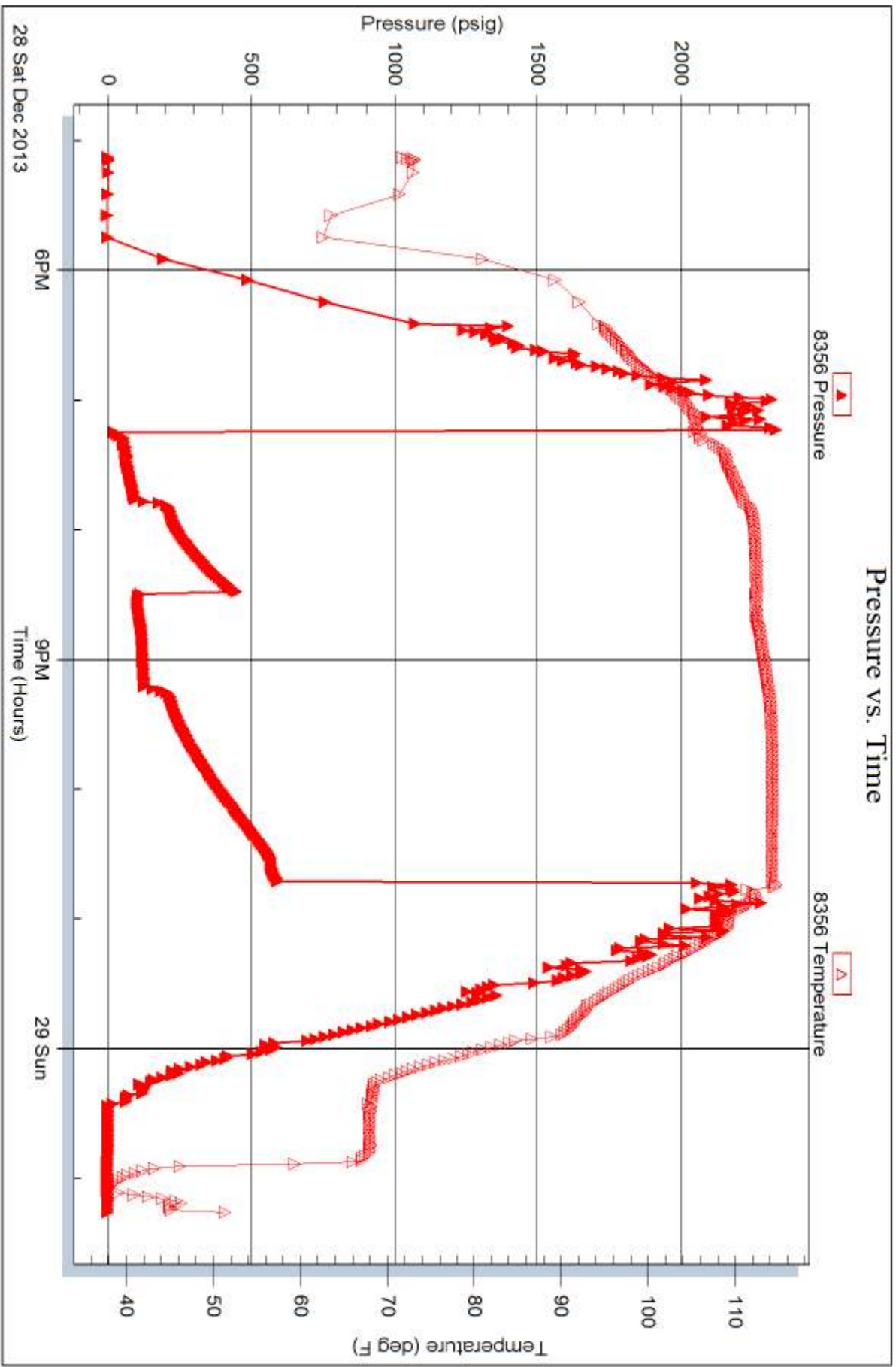


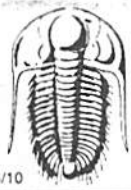
Serial #: 8356

Outside Landmark Resources

Rose #3-3

DST Test Number: 2





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **55588**

Well Name & No. Rose 3-3 Test No. 1 Date 12-27-10  
 Company Landmark Resources Elevation 3139 KB 3129 GL  
 Address 1616 S VOSS Rd Ste 600 Houston, TX 77057  
 Co. Rep / Geo. Wes Hansen Rig Murfin 21  
 Location: Sec. 3 Twp. 17S Rge. 34W Co. ~~Martin~~ Scott State KS

Interval Tested 4451 4506 Zone Tested Martin  
 Anchor Length 55 Drill Pipe Run 4178 Mud Wt. 9.3  
 Top Packer Depth 4446 Drill Collars Run 275 Vis 62  
 Bottom Packer Depth 4451 Wt. Pipe Run 16.0 WL 16.0  
 Total Depth 4506 Chlorides 20,000 ppm System LCM 1

Blow Description IF: surface blow died in 5 min.  
IS: No return.  
FF: No blow.  
FS: NO return.

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

Rec Total 5 BHT 108 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2287  Test 1250 T-On Location 23:55  
 (B) First Initial Flow 19  Jars 250 T-Started 1:00  
 (C) First Final Flow 20  Safety Joint 75 T-Open 3:01  
 (D) Initial Shut-In 69  Circ Sub NIL T-Pulled 5:31  
 (E) Second Initial Flow 20  Hourly Standby T-Out 7:45  
 (F) Second Final Flow 20  Mileage 48 - 74.40  
 (G) Final Shut-In 57  Sampler  
 (H) Final Hydrostatic 2170  Straddle

Shale Packer  
 Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Ruined Shale Packer  
 Ruined Packer  
 Extra Copies

Sub Total 0  
 Total 1649.40  
 MP/DST Disc't

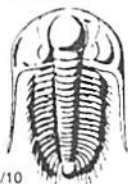
Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 45

Sub Total 1649.40

Approved By Wesley Hansen 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. 55589

Well Name & No. Rose 3-3 Test No. 2 Date 12-28-13  
 Company Landmark Resources Elevation 3139 KB 3129 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Wes Hansen Rig Murfin 21  
 Location: Sec. 3 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4502 4549 Zone Tested Altamont  
 Anchor Length \_\_\_\_\_ Drill Pipe Run 4209 Mud Wt. 9.3  
 Top Packer Depth \_\_\_\_\_ Drill Collars Run 275 Vis 50  
 Bottom Packer Depth \_\_\_\_\_ Wt. Pipe Run \_\_\_\_\_ WL 14.0  
 Total Depth \_\_\_\_\_ Chlorides 17000 ppm System LCM 1

Blow Description IF: BoB in 20 min.  
IS: surface blow built to 2.  
FF: BoB in 40 min.  
FS: surface blow built to 1.

Rec	Feet of	%gas	%oil	%water	%mud
<u>169</u>	<u>MC90</u>	<u>30</u>	<u>65</u>	<u>5</u>	
<u>60</u>	<u>MC90</u>	<u>20</u>	<u>50</u>	<u>30</u>	
<u>60</u>	<u>gocm</u>	<u>20</u>	<u>20</u>	<u>60</u>	
	<u>263 GFP</u>				

Rec Total 289 BHT 114 Gravity 32 API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 2357  Test 1250 T-On Location 16:00  
 (B) First Initial Flow 22  Jars 250 T-Started 17:07  
 (C) First Final Flow 93  Safety Joint 75 T-Open 19:13  
 (D) Initial Shut-In 451  Circ Sub N/C T-Pulled 22:43  
 (E) Second Initial Flow 104  Hourly Standby \_\_\_\_\_ T-Out 1:15  
 (F) Second Final Flow 125  Mileage 48 x 2 148.80  
 (G) Final Shut-In 590  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2175  Straddle \_\_\_\_\_

Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer 320  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 2043.80  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1723.80

Approved By Wesley Hansen Our Representative \_\_\_\_\_

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