



Confidentiality Requested:

Yes No

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: _____

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 <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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Dirks 1-2
Doc ID	1221485

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Dirks 1-2
Doc ID	1221485

Tops

Name	Top	Datum
Anhydrite	2456	656
B/Anhydrite	2474	638
Topeka	3766	-654
Heebner	4003	-891
Toronto	4022	-910
Lansing	4049	-937
C	4088	-976
D	4105	-993
E	4139	-1027
F	4148	-1036
Muncie Creek	4234	-1122
H	4244	-1132
I	4272	-1160
J	4306	-1194
Stark Shale	4331	-1219
K	4343	-1231
L	4389	-1277
BKC	4418	-1306
Marmaton	4473	-1361
Altamont	4500	-1388
Pawnee	4550	-1438
Myrick Station	4586	-1474
Fort Scott	4600	-1488
Cherokee	4625	-1513

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Dirks 1-2
Doc ID	1221485

Tops

Name	Top	Datum
Johnson Zone	4671	-1559
Morrow Shale	4745	-1633
Lower Morrow Sand	4814	-1702
Missippian	4818	-1706

Summary of Changes

Lease Name and Number: Dirks 1-2

API/Permit #: 15-171-21057-00-00

Doc ID: 1221485

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	08/20/2014	09/03/2014
Date of First or Resumed Production or SWD or Enhr Producing Method Pumping	No	08/20/2014 Yes
Production - Barrels Oil		124
Production - Barrels of Water		2
Production - Oil Gravity		27
Save Link	../..kcc/detail/operatorEditDetail.cfm?docID=1218780	../..kcc/detail/operatorEditDetail.cfm?docID=1221485



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1218780
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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

CONFIDENTIAL 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: _____

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 <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 Geologist Report / Mud Logs <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
--	---

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Dirks 1-2
Doc ID	1218780

All Electric Logs Run

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

Form	ACO1 - Well Completion
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Well Name	Dirks 1-2
Doc ID	1218780

Tops

Name	Top	Datum
Anhydrite	2456	656
B/Anhydrite	2474	638
Topeka	3766	-654
Heebner	4003	-891
Toronto	4022	-910
Lansing	4049	-937
C	4088	-976
D	4105	-993
E	4139	-1027
F	4148	-1036
Muncie Creek	4234	-1122
H	4244	-1132
I	4272	-1160
J	4306	-1194
Stark Shale	4331	-1219
K	4343	-1231
L	4389	-1277
BKC	4418	-1306
Marmaton	4473	-1361
Altamont	4500	-1388
Pawnee	4550	-1438
Myrick Station	4586	-1474
Fort Scott	4600	-1488
Cherokee	4625	-1513

Form	ACO1 - Well Completion
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Well Name	Dirks 1-2
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Tops

Name	Top	Datum
Johnson Zone	4671	-1559
Morrow Shale	4745	-1633
Lower Morrow Sand	4814	-1702
Missippian	4818	-1706

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Dirks 1-2
Doc ID	1218780

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
2	4475-78', 4582-86'	1,000 gal 15% MCA/FE & 5,250 gal gelled 20% acid	4475-4586'
2	4500-03', 4505-08'	1,000 gal 15% MCA/FE & 4,500 gal gelled 20% acid	4500-08'
4	4714-16'	250 gal 15% MCA/FE & 2,000 gal gelled 20% acid	4714-16'



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 143079
Invoice Date: May 3, 2014
Page: 1

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

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

4730

APPROVED MAY 21 2014

Customer ID	Field Ticket #	Payment Terms	
Land	63403	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	May 3, 2014	6/2/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Dirks #1-2		
200.00	CEMENT MATERIALS	Class A Common	17.90	3,580.00
4.00	CEMENT MATERIALS	Gel	23.40	93.60
7.00	CEMENT MATERIALS	Chloride	64.00	448.00
216.27	CEMENT SERVICE	Cubic Feet Charge	2.48	536.35
444.15	CEMENT SERVICE	Ton Mileage Charge	2.60	1,154.79
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

PP
MAY 22 2014
4
46023
46,971.96

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

\$ 2,280.45

ONLY IF PAID ON OR BEFORE
May 28, 2014

Subtotal		8,144.49
Sales Tax	0 * *	335.91
Total Invoice Amount		8,480.40
Payment/Credit Applied		
TOTAL	000	8,480.40

8,480.40 +
2,280.45 -
6,199.95 **



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 143271

Invoice Date: May 15, 2014

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

73550

APPROVED MAY 29 2014
APPROVED MAY 29 2014

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

Customer ID	Field Ticket #	Payment Terms	
Land	63286	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	May 15, 2014	6/14/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Dirks #1-2		
150.00	CEMENT MATERIALS	ASC	20.90	3,135.00
550.00	CEMENT MATERIALS	Light Weight	15.95	8,772.50
900.00	CEMENT MATERIALS	Gilsonite	0.98	882.00
275.00	CEMENT MATERIALS	Flo Seal	2.97	816.75
12.00	CEMENT MATERIALS	Super Flush	58.70	704.40
826.17	CEMENT SERVICE	Cubic Feet Charge	2.48	2,048.90
1,365.20	CEMENT SERVICE	Ton Mileage Charge	2.60	3,549.52
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
40.00	CEMENT SERVICE	Pump Truck Mileage	7.70	308.00
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
40.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	176.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Flex Latch Down Plug	660.00	660.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
13.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	741.00
3.00	EQUIPMENT SALES	5-1/2 Basket	395.00	1,185.00
1.00	CEMENT SUPERVISOR	LaRene Wentz		
1.00	CEMENT SUPERVISOR	Andrew Forslund		

P.O.
JUN 02 2014

46059
34,870.74

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

\$ 7,235.23

ONLY IF PAID ON OR BEFORE
Jun 9, 2014

Subtotal	34,306.07
Sales Tax	1,856.30
Total Invoice Amount	36,162.37
Payment/Credit Applied	
TOTAL	36,162.37

36,162.37 +

7,235.23 =

000

28,927.14 **

ALLIED OIL & GAS SERVICES, LLC 063286

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley #15
5-16-14

DATE <u>5-15-14</u>	SEC. <u>2</u>	TWP. <u>17</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>6:00pm</u>	JOB START <u>2:00am</u>	JOB FINISH <u>3:30am</u>
LEASE <u>Dirks</u>		WELL # <u>1-2</u>		LOCATION <u>Pence 2E, 35, 1W,</u>		COUNTY <u>Xof</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				<u>345, 2 mts</u>			

CONTRACTOR L D
 TYPE OF JOB Production 2 stage
 HOLE SIZE 2 7/8 T.D. 4876'
 CASING SIZE 5 1/2 DEPTH 4876'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DU DEPTH 2440'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42.15
 CEMENT LEFT IN CSG. 42.15'
 PERFS.
 DISPLACEMENT 115.05 bbl

OWNER Same
 CEMENT
 AMOUNT ORDERED 150 SK ABC 108 w/cst
22 gal 6 # gilsonite / 500 SK Lite
1/2 # float , 12 bbl superflush
 COMMON @ _____
 POZMIX @ _____
 GEL @ _____
 CHLORIDE @ _____
 ASC 150 SK @ 20.90 3135.00
Lite 550 SK @ 15.95 8772.50
gilsonite 700 # @ .98 882.00
float 275 # @ 2.99 816.75
superflush 12 bbl @ 58.90 704.90
Material total @ _____ 1430.69
 HANDLING 826.17 SK @ 2.48 2048.90
 MILEAGE 34.13 hrs X 40 X 2.60 3549.52
(4006.99 / 288)

EQUIPMENT
 PUMP TRUCK CEMENTER Lakore E. White
 # 431 HELPER Andrew Forslund
 BULK TRUCK DRIVER TJ on Mander (TWS)
 # 891/310
 BULK TRUCK DRIVER Enrique Tamer (TWS)
 # 566/599

REMARKS:
Pump ball through 500#, Circ 14 hrs
Mix Superflush, mix 150 SK ASC,
Displace with water based. Land plug
float held. Open DU Tool
Circ. 4 hrs. Plug R/B 30 SK.
Mix 520 SK Lite, Displace with water
Land plug # float held.
Cement fluid 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 Jessie Walker
 SIGNATURE [Signature]

SERVICE
 DEPTH OF JOB 4876'
 PUMP TRUCK CHARGE 2765.75
 EXTRA FOOTAGE 2nd stage 2406.25
 MILEAGE MT 40 40 @ 7.70 308.00
 MANIFOLD head @ _____ 275.00
MT 40 40 @ 4.40 176.00
 TOTAL 11,529.40
(3,228.24 / 288)

PLUG & FLOAT EQUIPMENT
Weatherford 5 1/2"
AFU Float Shoe @ _____ 545.00
Flex Latchdown plug @ _____ 160.00
DU Tool @ _____ 333.50
Centralizers (13) @ 52.00 676.00
Baskets (3) @ 375.00 1125.00
 TOTAL 8466.00
(09)

SALES TAX (If Any) _____
 TOTAL CHARGES 34,306.11
 DISCOUNT 7,235.23 (25%) IF PAID IN 30 DAYS
Bid 27,070.88 Net

Date	11/21/13
Service Point:	Oakley
Manager	Terry Heinrich
Address	P.O. Box 27
	Oakley, KS 67748
Business Phone	785-672-3452
E-mail	terry.heinrich@allied.com
Mobile	785-673-9376

BID SHEET



Company	Landmark Resources	Prepared For:	Heather Bain	Well Data			
Address	1616 Voss Rd., Ste. 150	Title:	Controller	Open Hole	7 7/8	Depth	5000
Address	Houston TX. 77057	Business Phone:	713-243-8550			I.D.	7.875
Well Name	Rose, Beeson, Decker	E-mail:	heather@landmarkresources.com			Job Excess	25
Lease	# 1-3, # 1-1, # 3-9	Fax No. :	713-243-8551	Casing Size	5 1/2	Depth	5000
Field		Prepared By:	Neal Rupp			O.D.	5.5
County	Scott	Title:	Sales & Field Operations Manager			I.D.	4.892
State	Kansas	Business Phone:	316-260-3368			Casing Weight	17
Section	9	E-mail:	neal.rupp@alliedservices.com			Thread	STC
Township	17S	Mobile Phone:	316-250-7057			Grade	K-55
Range	34W	Rig Contractor	Unknown				
API Number		Rig Name					
Proposal Title:	5-1/2" 2-Stage	Rig Phone					

	Units	UOM	Cost per Unit	Total	Unit	
					Net	Net
CJSO - Casing Pump Charge 4001' to 5000'	1.00	(for 6 hours	\$2,765.75	\$ 2,765.75	\$ 1,991.34	\$1,991.34
APTM - Additional Pump Time, in excess of set h	1.00	(for 6 hours	\$2,406.25	\$ 2,406.25	\$ 1,732.50	\$1,732.50
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Float Shoe	1.00	Each	\$339.30	\$ 339.30	\$ 339.30	\$339.30
Stage Collar	1.00	Each IR	\$2,597.50	\$ 2,597.50	\$ 2,597.50	\$2,597.50
Centralizer	12.00	Each	\$28.40	\$ 340.80	\$ 28.40	\$340.80
Cement Basket	3.00	Each	\$159.40	\$ 478.20	\$ 159.40	\$478.20
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 3,755.80		\$3,755.80
ASCA - ALLIED SPECIAL BLEND CMT.-CLASS A	175.00	per sack	\$20.90	\$ 3,657.50	\$ 15.05	\$2,633.40
ALCZA - ALLIED LT. WT. CMT.-TYPE 2-CLASS A	450.00	per sack	\$15.95	\$ 7,177.50	\$ 11.48	\$5,167.80
FL-160 - FL-160 Fluid Loss Additive Hi-Temp	49.00	per pound	\$18.90	\$ 926.10	\$ 13.61	\$666.79
PDEF - Powdered Defoamer	25.00	per pound	\$9.80	\$ 245.00	\$ 7.06	\$176.40
GILS - Gilsonite	1050.00	per pound	\$0.98	\$ 1,029.00	\$ 0.71	\$740.88
FLSL - Flo Seal	112.00	per pound	\$2.97	\$ 332.64	\$ 2.14	\$239.50
SPFL - Super Flush	12.00	per bbl	\$58.70	\$ 704.40	\$ 42.26	\$507.17
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 14,072.14		\$10,131.94
HDLG - Products handling service charge	740.00	per cu. Ft.	\$2.48	\$ 1,835.20	\$ 1.79	\$1,321.34
DRYG - Drayage for products	1240.00	ton mile	\$2.60	\$ 3,224.00	\$ 1.87	\$2,321.28
MILV - Light Vehicle Mileage	40.00	per mile	\$4.40	\$ 176.00	\$ 3.17	\$126.72
MHV - Heavy Vehicle Mileage	40.00	per mile	\$7.70	\$ 308.00	\$ 5.54	\$221.76
Subtotal				\$ 5,543.20		\$3,991.10
CMHD - Cementing Head Rental with Manifold	1.00	per day	\$275.00	\$ 275.00	\$ 198.00	\$198.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 275.00		\$198.00
Totals:				\$ 28,818.14		\$21,800.68
DISCOUNT: Operations			28.0%	(1,448.16)		
DISCOUNT: Equipment Sales			0.0%	0.00		
DISCOUNT: Products			28.0%	(3,940.20)		
DISCOUNT: Transport			28.0%	(1,552.10)		
DISCOUNT: OTHER			28.0%	(77.00)		
			Total	(7,017.46)		



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

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

ATTN: Terry McLeod

Dirks #1-2

2-17s-34w Scott,KS

Start Date: 2014.05.11 @ 09:08:29

End Date: 2014.05.11 @ 19:00:14

Job Ticket #: 49199 DST #: 1

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

Printed: 2014.05.15 @ 14:32:21

Landmark Resources Inc
2-17s-34w Scott,KS
Dirks #1-2
DST # 1
Marraton
2014.05.11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources Inc
 1616 S Voss Rd Ste 600
 Houston, TX 77057-2641
 ATTN: Terry McLeod

2-17s-34w Scott,KS

Dirks #1-2

Job Ticket: 49199

DST#: 1

Test Start: 2014.05.11 @ 09:08:29

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:11:59
 Time Test Ended: 19:00:14
 Interval: **4445.00 ft (KB) To 4493.00 ft (KB) (TVD)**
 Total Depth: 4493.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 3112.00 ft (KB)
 3107.00 ft (CF)
 KB to GR/CF: 5.00 ft

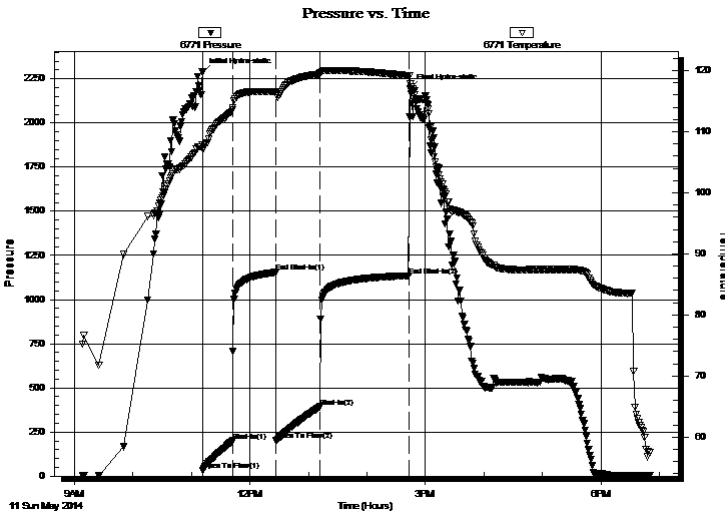
Serial #: 6771

Inside

Press@RunDepth: 392.97 psig @ 4446.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.11 End Date: 2014.05.11 Last Calib.: 2014.05.11
 Start Time: 09:08:29 End Time: 18:50:14 Time On Btm: 2014.05.11 @ 11:11:29
 Time Off Btm: 2014.05.11 @ 14:44:29

TEST COMMENT: B.O.B. in 5 1/2 min.
 Surface return in 4 min. built to 4 1/2"
 B.O.B. in 5 1/2 min.
 Surface return in 4 min. built to 8"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2287.43	107.78	Initial Hydro-static
1	33.68	107.20	Open To Flow (1)
31	199.99	113.58	Shut-In(1)
75	1153.67	116.60	End Shut-In(1)
76	201.65	116.20	Open To Flow (2)
121	392.97	119.45	Shut-In(2)
212	1135.34	119.17	End Shut-In(2)
213	2196.66	117.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
73.00	c g o 30g 70o	1.02
882.00	c g o (reversed out) 35g 65o	12.37
126.00	g m c o 30g 25m 45o	1.77
0.00	554' gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources Inc

2-17s-34w Scott,KS

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

Dirks #1-2

Job Ticket: 49199

DST#: 1

ATTN: Terry McLeod

Test Start: 2014.05.11 @ 09:08:29

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:11:59

Time Test Ended: 19:00:14

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

Interval: 4445.00 ft (KB) To 4493.00 ft (KB) (TVD)

Reference Elevations: 3112.00 ft (KB)

Total Depth: 4493.00 ft (KB) (TVD)

3107.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8844 Outside

Press@RunDepth: psig @ 4446.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.11

End Date:

2014.05.11

Last Calib.:

2014.05.11

Start Time: 09:08:33

End Time:

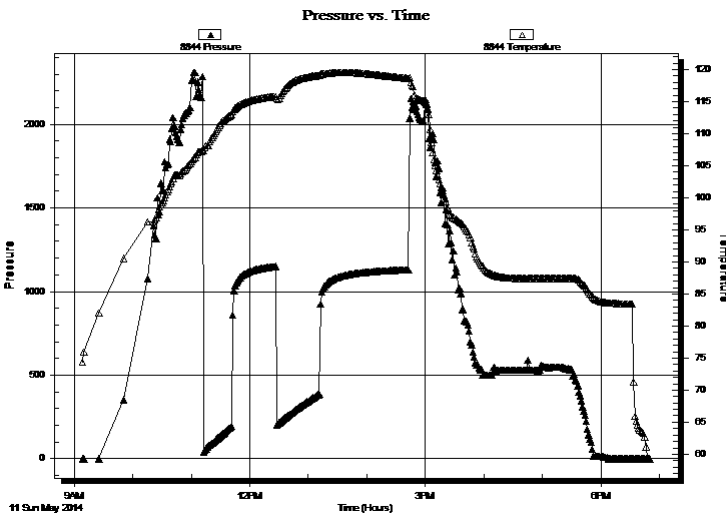
18:50:18

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. in 5 1/2 min.
Surface return in 4 min. built to 4 1/2"
B.O.B. in 5 1/2 min.
Surface return in 4 min. built to 8"

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
73.00	c g o 30g 70o	1.02
882.00	c g o (reversed out) 35g 65o	12.37
126.00	g m c o 30g 25m 45o	1.77
0.00	554' 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 Inc

2-17s-34w Scott,KS

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

Dirks #1-2

Job Ticket: 49199

DST#: 1

ATTN: Terry McLeod

Test Start: 2014.05.11 @ 09:08:29

Tool Information

Drill Pipe:	Length: 4445.00 ft	Diameter: 3.80 inches	Volume: 62.35 bbl	Tool Weight: 1500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 88000.00 lb
			<u>Total Volume: 62.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4445.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	71.00 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			4423.00	
Shut In Tool	5.00			4428.00	
Hydraulic tool	5.00			4433.00	
Safety Joint	3.00			4436.00	
Packer	5.00			4441.00	23.00 Bottom Of Top Packer
Packer	4.00			4445.00	
Stubb	1.00			4446.00	
Recorder	0.00	6771	Inside	4446.00	
Recorder	0.00	8844	Outside	4446.00	
Perforations	8.00			4454.00	
Change Over Sub	1.00			4455.00	
Drill Pipe	32.00			4487.00	
Change Over Sub	1.00			4488.00	
Bullnose	5.00			4493.00	48.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc

2-17s-34w Scott,KS

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

Dirks #1-2

Job Ticket: 49199

DST#: 1

ATTN: Terry McLeod

Test Start: 2014.05.11 @ 09:08:29

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 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: 9.94 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
73.00	c g o 30g 70o	1.024
882.00	c g o (reversed out) 35g 65o	12.372
126.00	g m c o 30g 25m 45o	1.767
0.00	554' gas in pipe	0.000

Total Length: 1081.00 ft

Total Volume: 15.163 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

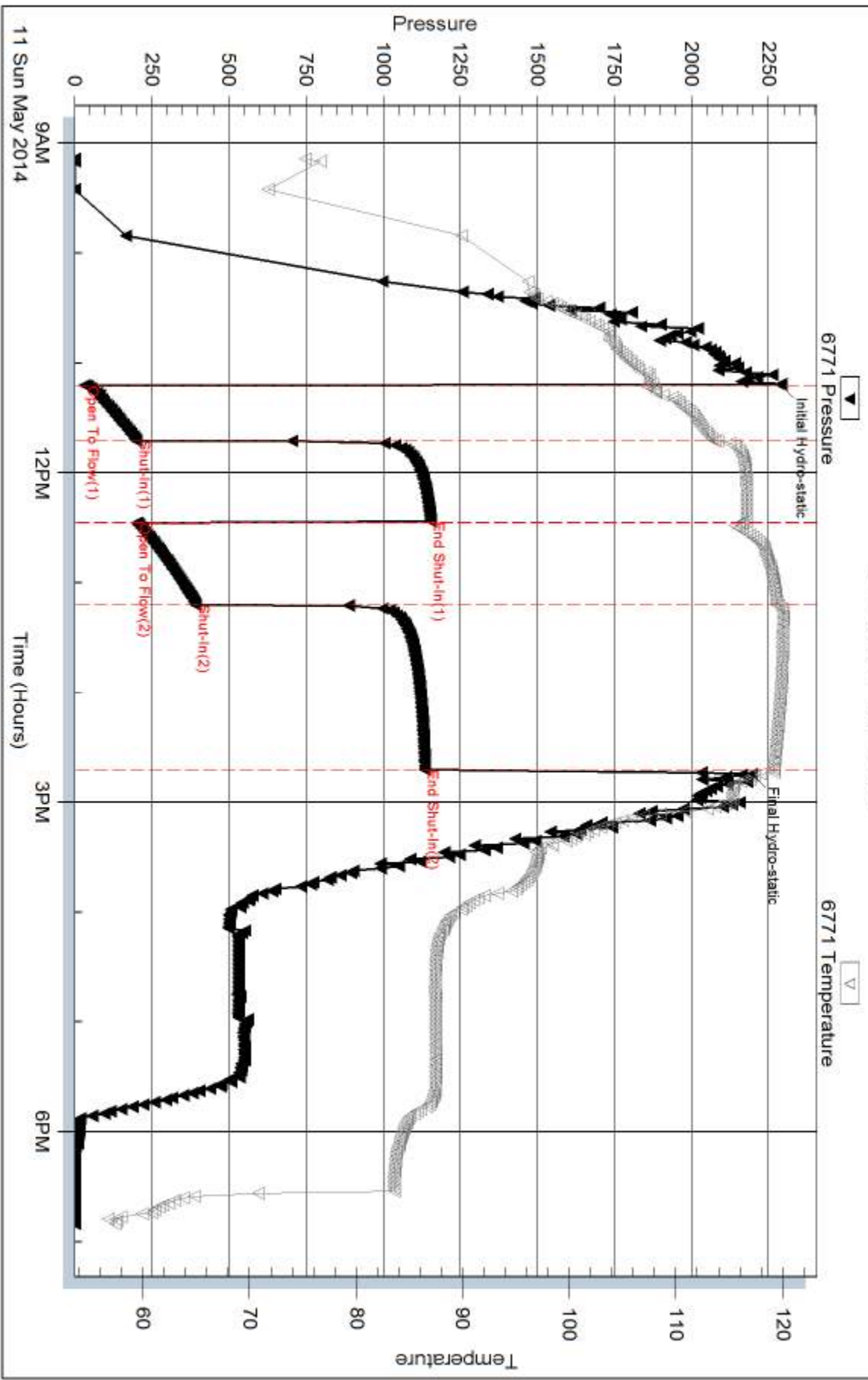
Serial #:

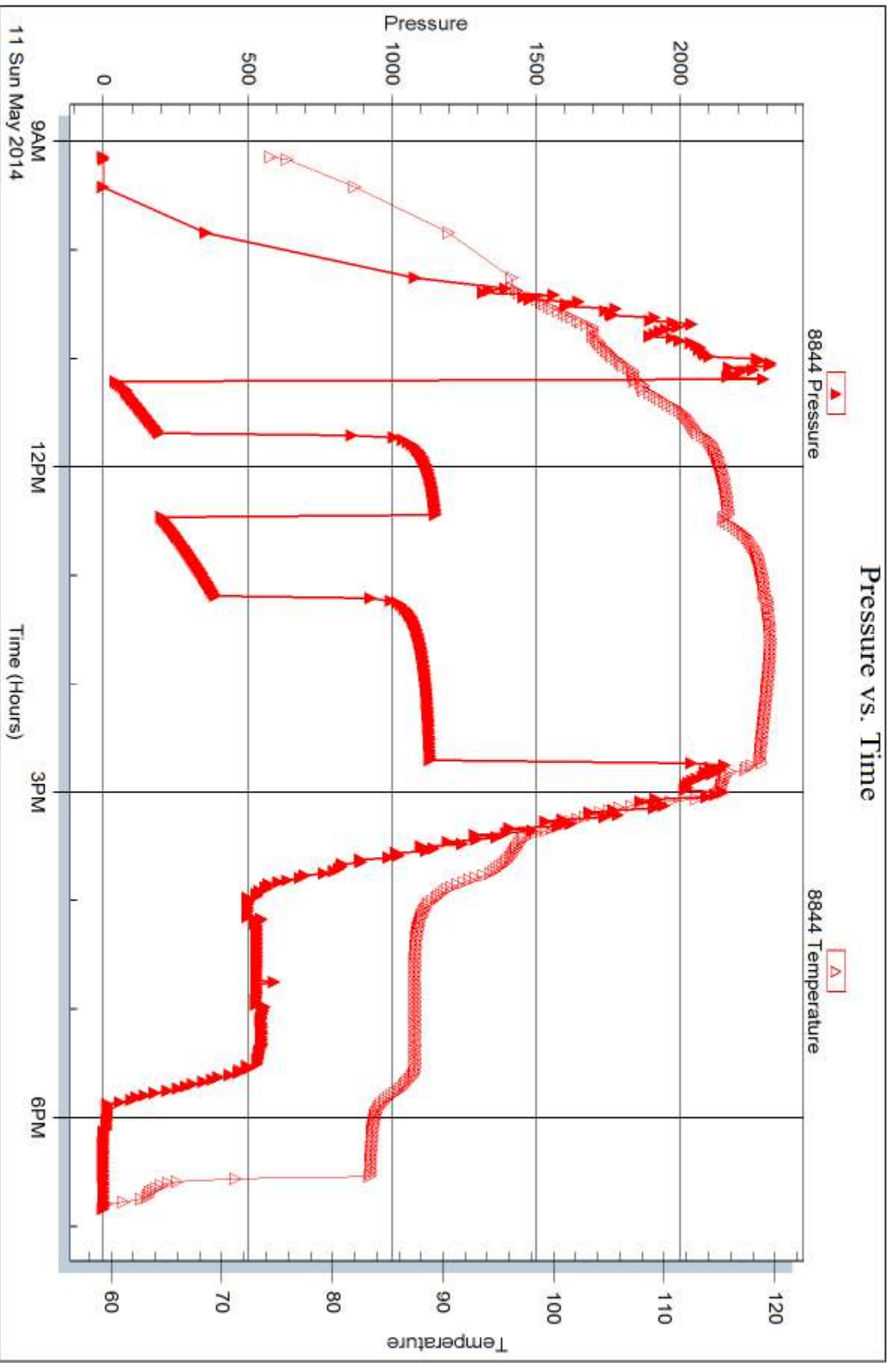
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

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

ATTN: Terry McLeod

Dirks #1-2

2-17s-34w Scott,KS

Start Date: 2014.05.12 @ 04:30:40

End Date: 2014.05.12 @ 14:26:10

Job Ticket #: 59051 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.15 @ 14:31:58



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources Inc
 1616 S Voss Rd Ste 600
 Houston, TX 77057-2641
 ATTN: Terry McLeod

2-17s-34w Scott,KS

Dirks #1-2

Job Ticket: 59051

DST#: 2

Test Start: 2014.05.12 @ 04:30:40

GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:26:25

Time Test Ended: 14:26:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: 4495.00 ft (KB) To 4520.00 ft (KB) (TVD)

Reference Elevations: 3112.00 ft (KB)

Total Depth: 4520.00 ft (KB) (TVD)

3107.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 359.69 psig @ 4496.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.12

End Date:

2014.05.12

Last Calib.: 2014.05.12

Start Time: 04:30:40

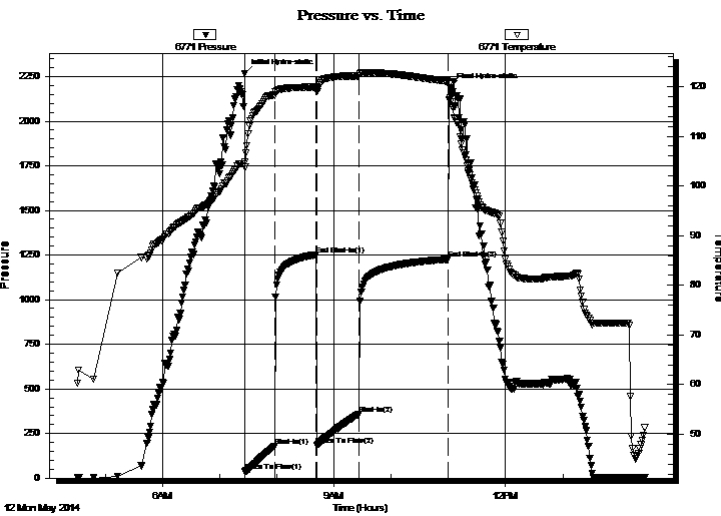
End Time:

14:26:10

Time On Btm: 2014.05.12 @ 07:26:10

Time Off Btm: 2014.05.12 @ 11:01:55

TEST COMMENT: B.O.B. in 3 min.
 3 1/2" return blow
 B.O.B. in 6 min
 9" return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2266.02	104.80	Initial Hydro-static
1	36.00	103.75	Open To Flow (1)
31	179.24	118.29	Shut-In(1)
75	1252.21	119.88	End Shut-In(1)
76	182.97	119.21	Open To Flow (2)
120	359.69	122.16	Shut-In(2)
214	1226.63	121.03	End Shut-In(2)
216	2188.60	117.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
68.00	c g o 25g 75o	0.95
819.00	c g o (reversed out) 30g 70o	11.49
126.00	g m c o (under circ sub) 35g 30m 35o	1.77
0.00	504' gas in pipe	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources Inc

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

ATTN: Terry McLeod

2-17s-34w Scott,KS

Dirks #1-2

Job Ticket: 59051

DST#: 2

Test Start: 2014.05.12 @ 04:30:40

GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:26:25

Time Test Ended: 14:26:10

Interval: **4495.00 ft (KB) To 4520.00 ft (KB) (TVD)**

Total Depth: 4520.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Reference Elevations: 3112.00 ft (KB)

3107.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8844 **Outside**

Press@RunDepth: psig @ 4496.00 ft (KB)

Start Date: 2014.05.12

End Date:

2014.05.12

Start Time: 04:30:35

End Time:

14:26:05

Capacity: 8000.00 psig

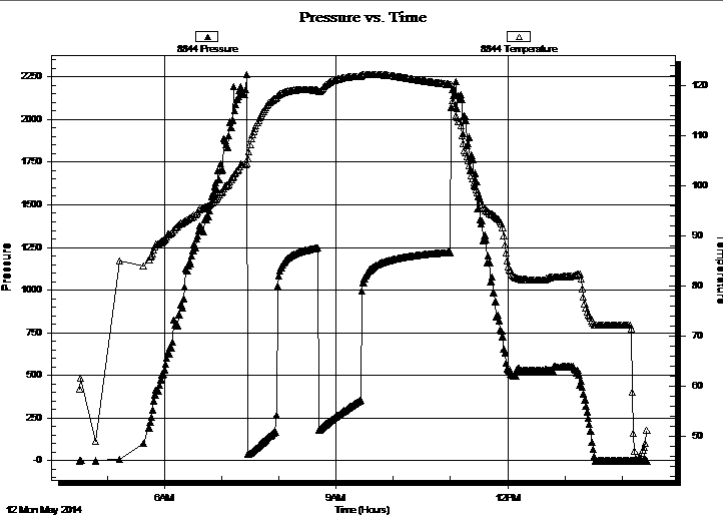
Last Calib.:

2014.05.12

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. in 3 min.
3 1/2" return blow
B.O.B. in 6 min
9" return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
68.00	c g o 25g 75o	0.95
819.00	c g o (reversed out) 30g 70o	11.49
126.00	g m c o (under circ sub) 35g 30m 35o	1.77
0.00	504' gas in pipe	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources Inc

2-17s-34w Scott,KS

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

Dirks #1-2

Job Ticket: 59051

DST#: 2

ATTN: Terry McLeod

Test Start: 2014.05.12 @ 04:30:40

Tool Information

Drill Pipe:	Length: 4477.00 ft	Diameter: 3.80 inches	Volume: 62.80 bbl	Tool Weight: 1500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 62.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4495.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	48.00 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			4473.00	
Shut In Tool	5.00			4478.00	
Hydraulic tool	5.00			4483.00	
Safety Joint	3.00			4486.00	
Packer	5.00			4491.00	23.00 Bottom Of Top Packer
Packer	4.00			4495.00	
Stubb	1.00			4496.00	
Recorder	0.00	6771	Inside	4496.00	
Recorder	0.00	8844	Outside	4496.00	
Perforations	19.00			4515.00	
Bullnose	5.00			4520.00	25.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc

2-17s-34w Scott,KS

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

Dirks #1-2

Job Ticket: 59051

DST#: 2

ATTN: Terry McLeod

Test Start: 2014.05.12 @ 04:30:40

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 9.91 in³
Resistivity: 0.00 ohm.m
Salinity: 9000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 30 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
68.00	c g o 25g 75o	0.954
819.00	c g o (reversed out) 30g 70o	11.488
126.00	g m c o (under circ sub) 35g 30m 35o	1.767
0.00	504' gas in pipe	0.000

Total Length: 1013.00 ft Total Volume: 14.209 bbl

Num Fluid Samples: 0

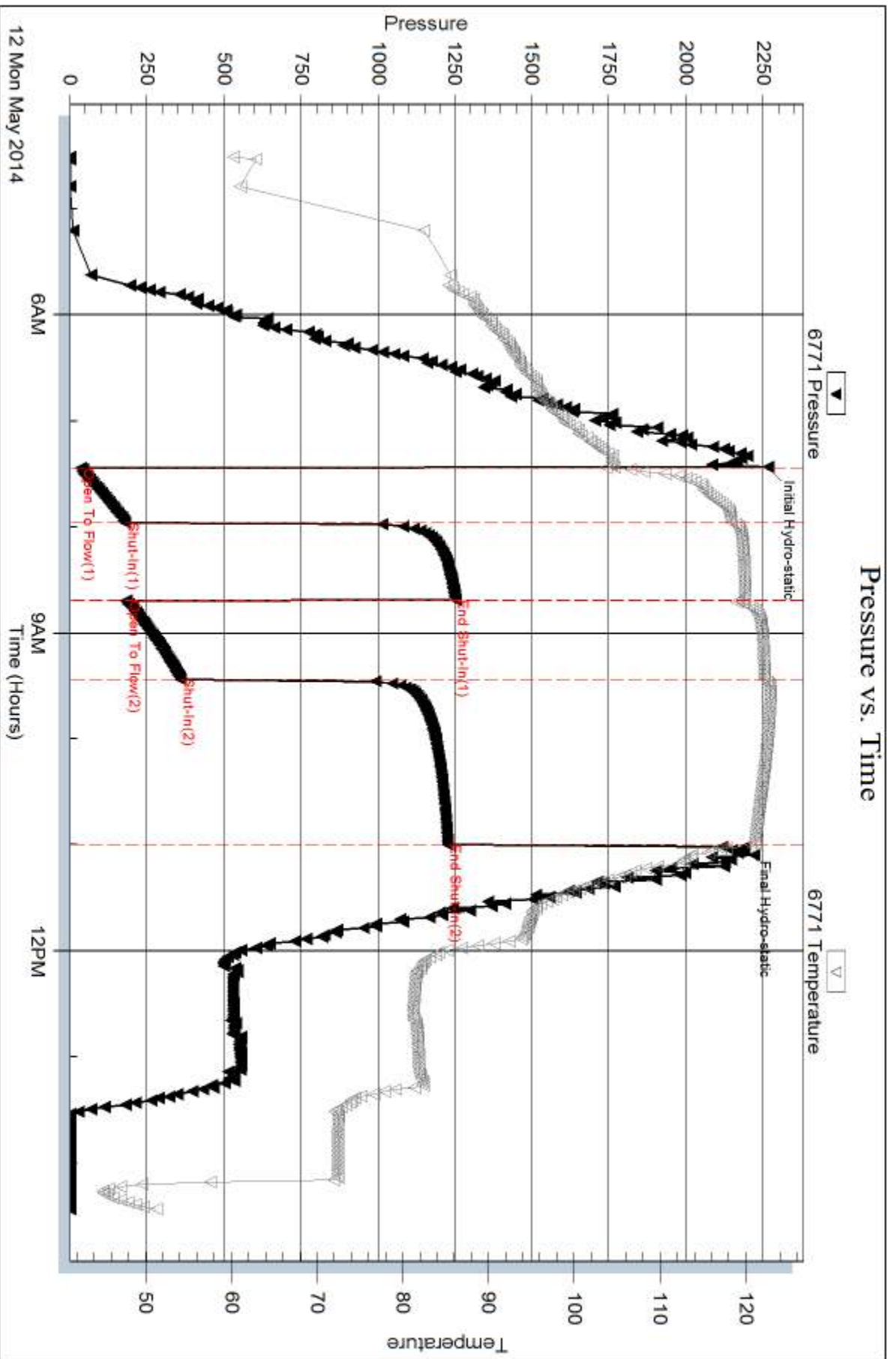
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

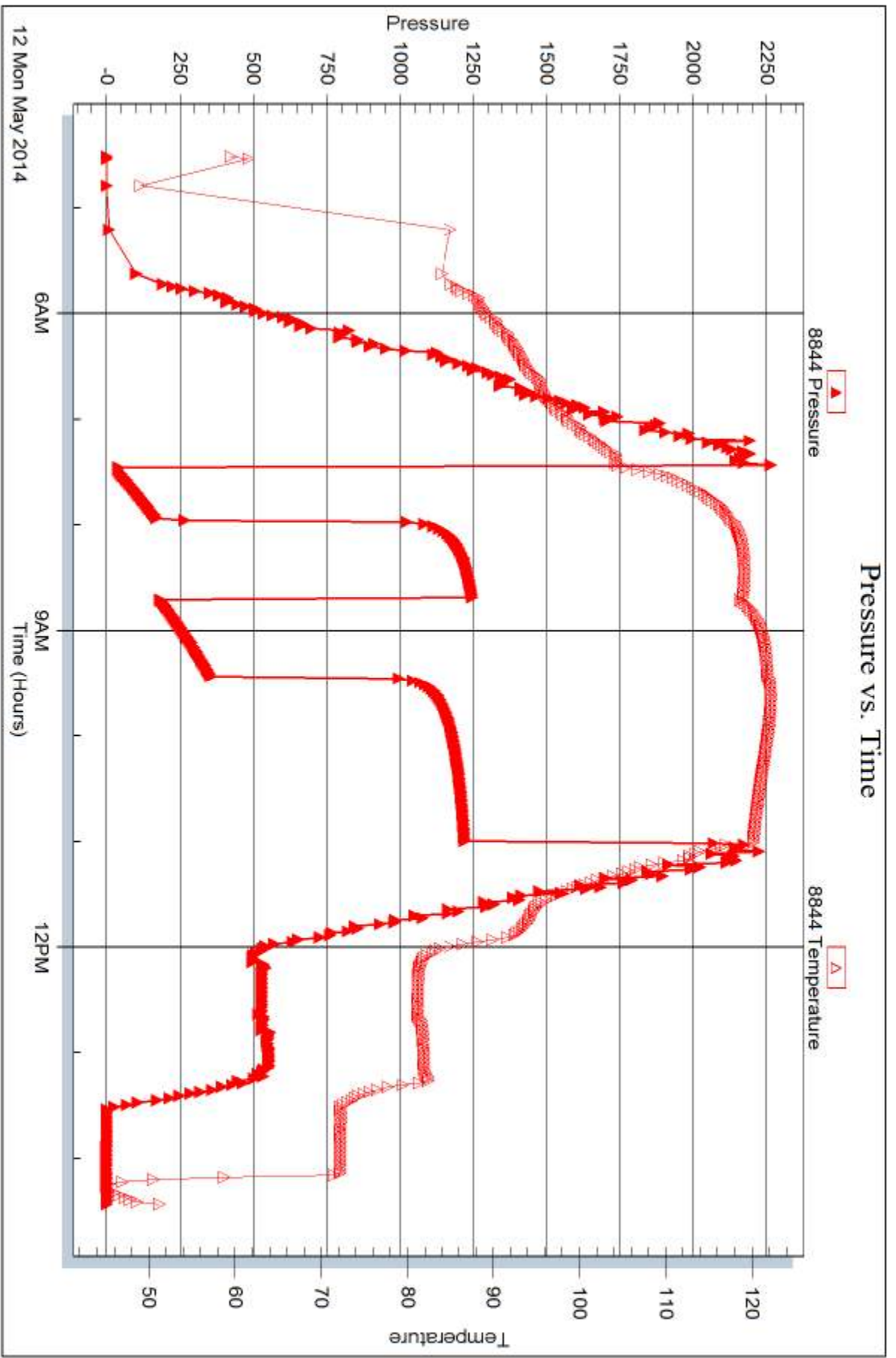


Serial #: 8844

Outside Landmark Resources Inc

Diks #1-2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 59051

Printed: 2014.05.15 @ 14:31:59



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

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

ATTN: Terry McLeod

Dirks #1-2

2-17s-34w Scott,KS

Start Date: 2014.05.13 @ 22:30:57

End Date: 2014.05.14 @ 06:10:27

Job Ticket #: 59052 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.15 @ 14:31:12



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources Inc
 1616 S Voss Rd Ste 600
 Houston, TX 77057-2641
 ATTN: Terry McLeod

2-17s-34w Scott,KS

Dirks #1-2

Job Ticket: 59052

DST#: 3

Test Start: 2014.05.13 @ 22:30:57

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:24:57
 Time Test Ended: 06:10:27
 Interval: **4641.00 ft (KB) To 4752.00 ft (KB) (TVD)**
 Total Depth: 4752.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 3112.00 ft (KB)
 3107.00 ft (CF)
 KB to GR/CF: 5.00 ft

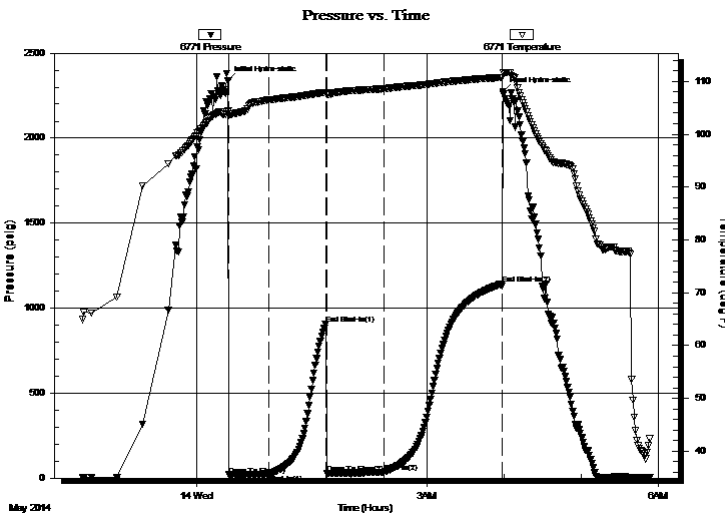
Serial #: 6771

Inside

Press@RunDepth: 32.96 psig @ 4642.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.13 End Date: 2014.05.14 Last Calib.: 2014.05.14
 Start Time: 22:30:57 End Time: 05:53:27 Time On Btm: 2014.05.14 @ 00:24:27
 Time Off Btm: 2014.05.14 @ 03:59:12

TEST COMMENT: 3 1/2" blow
 No return
 8 3/4" blow
 No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2340.21	104.39	Initial Hydro-static
1	18.84	103.81	Open To Flow (1)
32	23.20	106.48	Shut-In(1)
76	906.37	107.91	End Shut-In(1)
77	28.68	107.56	Open To Flow (2)
122	32.96	108.62	Shut-In(2)
214	1142.16	110.74	End Shut-In(2)
215	2275.86	111.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	s g o c m 5g 35o 60m	0.70
0.00	show of free oil on top 2" in	0.00
0.00	136' gas in pipe	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources Inc
 1616 S Voss Rd Ste 600
 Houston, TX 77057-2641
 ATTN: Terry McLeod

2-17s-34w Scott, KS
Dirks #1-2
 Job Ticket: 59052 **DST#: 3**
 Test Start: 2014.05.13 @ 22:30:57

GENERAL INFORMATION:

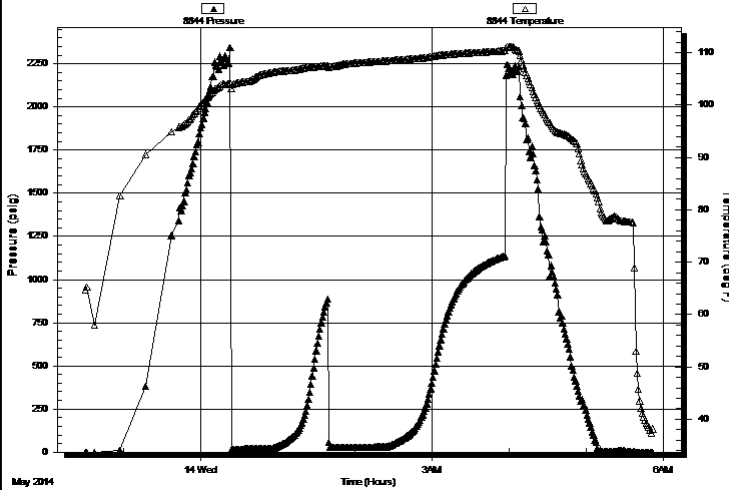
Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane McBride
 Time Tool Opened: 00:24:57
 Time Test Ended: 06:10:27
 Unit No: 55
 Interval: **4641.00 ft (KB) To 4752.00 ft (KB) (TVD)**
 Reference Elevations: 3112.00 ft (KB)
 Total Depth: 4752.00 ft (KB) (TVD)
 3107.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8844 Outside

Press@RunDepth: psig @ 4642.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.13 End Date: 2014.05.14 Last Calib.: 2014.05.14
 Start Time: 22:30:27 End Time: 05:52:42 Time On Btm:
 Time Off Btm:

TEST COMMENT: 3 1/2" blow
 No return
 8 3/4" blow
 No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
50.00	s g o c m 5g 35o 60m	0.70
0.00	show of free oil on top 2" in	0.00
0.00	136' 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 Inc

2-17s-34w Scott,KS

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

Dirks #1-2

Job Ticket: 59052

DST#: 3

ATTN: Terry McLeod

Test Start: 2014.05.13 @ 22:30:57

Tool Information

Drill Pipe:	Length: 4636.00 ft	Diameter: 3.80 inches	Volume: 65.03 bbl	Tool Weight: 1500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 65.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4641.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	111.00 ft			
Tool Length:	134.00 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			4619.00	
Shut In Tool	5.00			4624.00	
Hydraulic tool	5.00			4629.00	
Safety Joint	3.00			4632.00	
Packer	5.00			4637.00	23.00 Bottom Of Top Packer
Packer	4.00			4641.00	
Stubb	1.00			4642.00	
Recorder	0.00	6771	Inside	4642.00	
Recorder	0.00	8844	Outside	4642.00	
Perforations	8.00			4650.00	
Change Over Sub	1.00			4651.00	
Drill Pipe	95.00			4746.00	
Change Over Sub	1.00			4747.00	
Bullnose	5.00			4752.00	111.00 Bottom Packers & Anchor

Total Tool Length: 134.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc

2-17s-34w Scott,KS

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

Dirks #1-2

Job Ticket: 59052

DST#: 3

ATTN: Terry McLeod

Test Start: 2014.05.13 @ 22:30:57

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	s g o c m 5g 35o 60m	0.701
0.00	show of free oil on top 2" in	0.000
0.00	136' gas in pipe	0.000

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

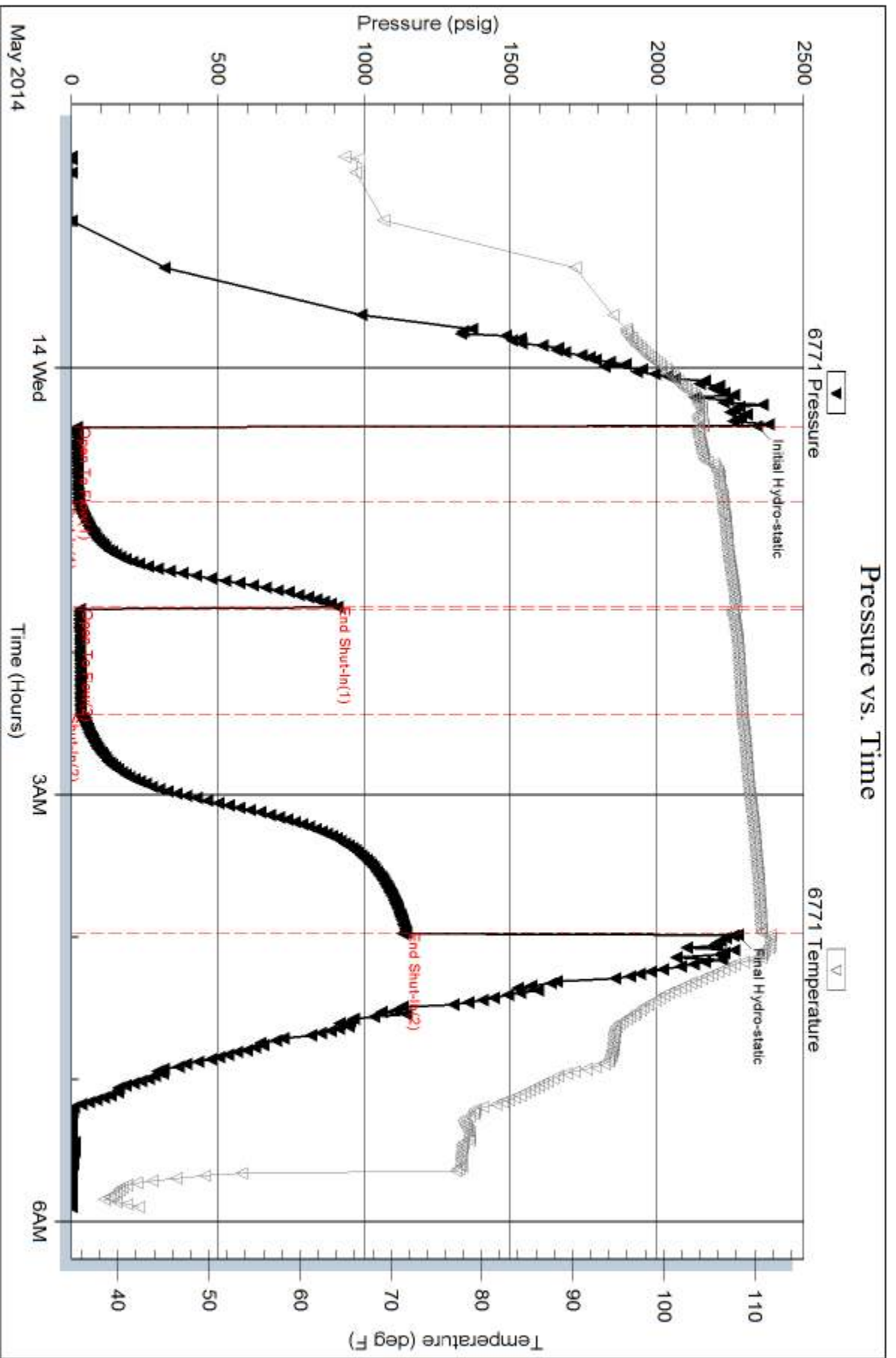
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

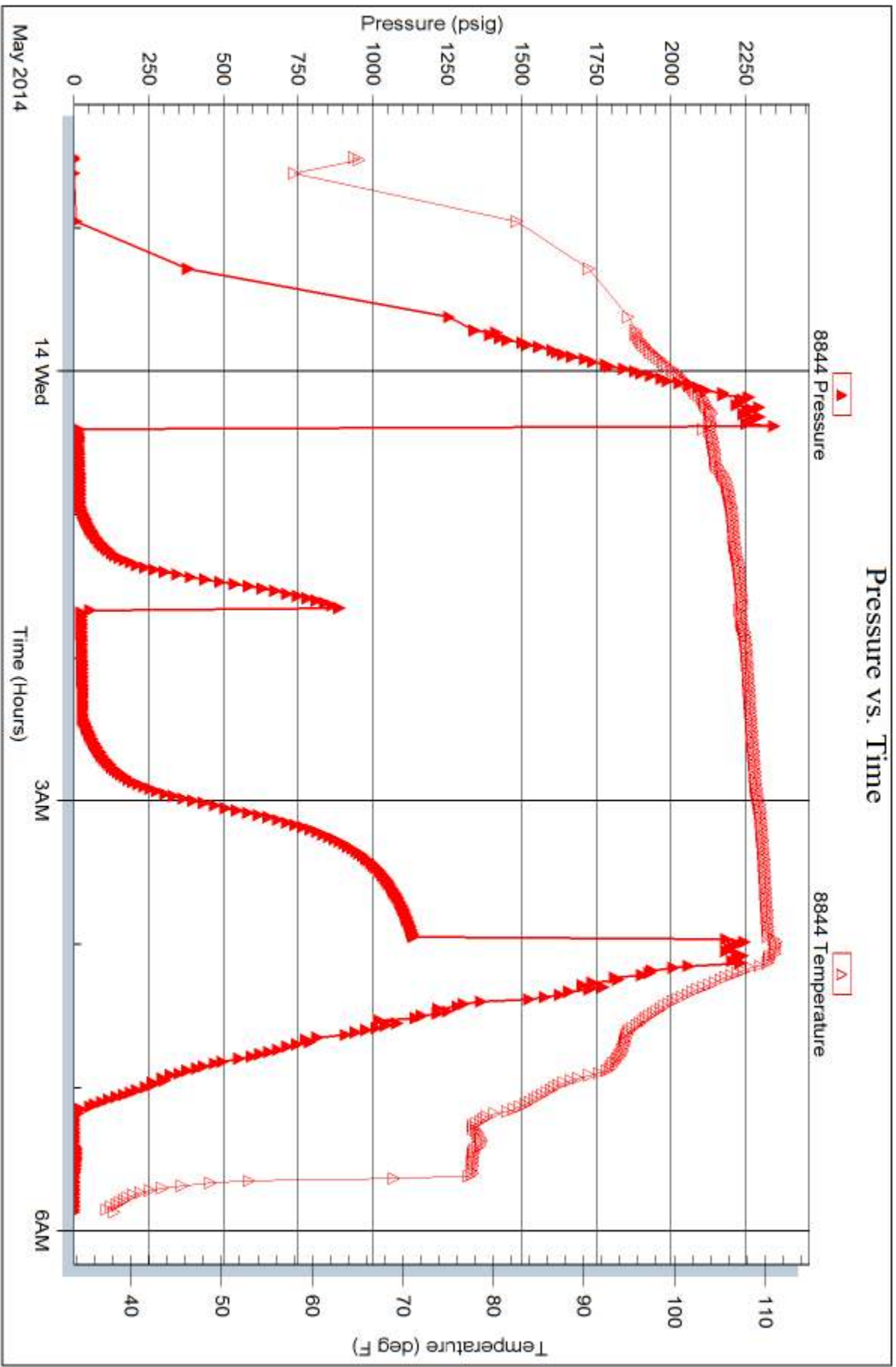


Serial #: 8844

Outside Landmark Resources Inc

Diks #1-2

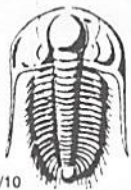
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 59052

Printed: 2014.05.15 @ 14:31:13



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49199

Well Name & No. Dirks #1-2 Test No. #1 Date 5/11/14
 Company Landmark Resources Inc Elevation 3112 KB 3107 GL
 Address Nelle S Voss Rd. Ste 600 Houston, TX 77057-2641
 Co. Rep / Geo. Terry McLeod Rig L.D. #1
 Location: Sec. 2 Twp. 17E Rge. 34W Co. Scott State Ks

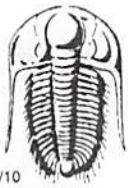
Interval Tested 4445 4493 Zone Tested Marmaton
 Anchor Length 48 Drill Pipe Run 4445 Mud Wt. 9.4
 Top Packer Depth 4440 Drill Collars Run — Vis 50
 Bottom Packer Depth 4445 Wt. Pipe Run — WL 10.0
 Total Depth 4493 Chlorides 9000 ppm System LCM #1

Blow Description B.O.B. in 5 1/2 min
Surface return in 4 min built to 4 1/2 inches
B.O.B. in 5 1/2 min.
Surface return in 4 min built to 8 inches

Rec	Feet of	%gas	%oil	%water	%mud
<u>73'</u>	<u>CGO</u>				
<u>882'</u>	<u>CGO (Reversed out)</u>				
<u>126'</u>	<u>gmcO (under case sub)</u>				
	<u>554' GAS IN PIPE</u>				

Rec Total 1081' BHT 119° Gravity 26 API RW — @ — F Chlorides — ppm
 (A) Initial Hydrostatic 2287 Test 1250 T-On Location First time 05:00
 (B) First Initial Flow 33 Jars T-Started 09:08
 (C) First Final Flow 200 Safety Joint 75 T-Open 11:12
 (D) Initial Shut-In 1153 Circ Sub #50 00 T-Pulled 14:42
 (E) Second Initial Flow 201 Hourly Standby T-Out 19:00
 (F) Second Final Flow 392 Mileage 40x2 80 ground traps Comments Told to be on bank 05:15
 (G) Final Shut-In 1135 Sampler 124 Rig just got to bottom w/ shut trip
 (H) Final Hydrostatic 2194 Straddle Told be on bank 08:00
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 90
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1499 Total 1499 MP/DST Disc't —

Approved By Terry McLeod 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. 59051

Well Name & No. Dicks # 1-2 Test No. #2 Date 5/12/14
 Company Landmark Resources Inc Elevation 3112 KB 3107 GL
 Address 1614 S. Voss Rd Ste. 1000 Houston, Tx. 77057-2641
 Co. Rep / Geo. Tom McLeod Rig L.D. #1
 Location: Sec. 2 Twp. 17S Rge. 3E/W Co. Scott State Ks

Interval Tested 4495 4520 Zone Tested Altamont
 Anchor Length 25 Drill Pipe Run 4477 Mud Wt. 9.4
 Top Packer Depth 4490 Drill Collars Run — Vis 50
 Bottom Packer Depth 4495 Wt. Pipe Run — WL 10.0
 Total Depth 4520 Chlorides 9000 ppm System LCM #1

Blow Description B.O.B. in 3 min
Surface returned in 2 min, built to 3 1/2" w.
B.O.B. in 1 min
Surface returned in 2 min, built to 9" w.

Rec	Feet of	%gas	%oil	%water	%mud
68'	C90	25%	75%		
819'	C90 (Reversed out)	30%	70%		
126'	GMCO (under circ sub)	35%	35%		30%
		%gas	%oil	%water	%mud
	(504' GAS IN PIPE)	%gas	%oil	%water	%mud

Rec Total 1013 BHT 122° Gravity 30 API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic 2266 Test 1250 T-On Location 04:00
 (B) First Initial Flow 36 Jars — T-Started 04:30
 (C) First Final Flow 179 Safety Joint 75 T-Open 07:26
 (D) Initial Shut-In 1252 Circ Sub #50⁰⁰ T-Pulled 10:50
 (E) Second Initial Flow 182 Hourly Standby — T-Out 14:30
 (F) Second Final Flow 359 Mileage 40 RT 62 Comments —
 (G) Final Shut-In 1224 Sampler —
 (H) Final Hydrostatic 2188 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total 0
 Day Standby — Total 1437
 Accessibility — MP/DST Disc't —

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 90
 Sub Total 1437

Approved By Tom McLeod Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59052

Well Name & No. Dinks #1-2 Test No. #3 Date 5/14/14
 Company Leadmark Resources, Inc. Elevation 3112 KB 3107 GL
 Address 1616 S. Boss Rd Ste 600 Houston, TX 77057-2641
 Co. Rep / Geo. Terry McLeod Rig L.D. #1
 Location: Sec. 2 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4641 4752 Zone Tested Johnson
 Anchor Length 111' Drill Pipe Run 4636 Mud Wt. 9.2
 Top Packer Depth 4636 Drill Collars Run — Vis 50
 Bottom Packer Depth 4641 Wt. Pipe Run — WL 8.0
 Total Depth 4752 Chlorides 1000 ppm System LCM #2

Blow Description 3 1/2" w blow
No return
8 3/4" w blow
No return

Rec	Feet of	%gas	%oil	%water	%mud
50'	590cm	5	35	60	
	Shoof free O. on top 2 1/2'				
	(136' GAS IN PIPE)				

Rec Total 50' BHT 111' Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	<u>2340</u>	<input checked="" type="checkbox"/> Test	<u>1250</u>	T-On Location	<u>22:05</u>
(B) First Initial Flow	<u>18</u>	<input type="checkbox"/> Jars		T-Started	<u>22:30</u>
(C) First Final Flow	<u>23</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>00:25</u>
(D) Initial Shut-In	<u>906</u>	<input checked="" type="checkbox"/> Circ Sub	<u>N/C</u>	T-Pulled	<u>03:55</u>
(E) Second Initial Flow	<u>28</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>06:10</u>
(F) Second Final Flow	<u>32</u>	<input checked="" type="checkbox"/> Mileage <u>40</u>	<u>124</u>	Comments	<u>Released Spiked up tools @ 17:00 5/14/14</u>
(G) Final Shut-In	<u>1142</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2275</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 Extra Packer Extra Recorder Day Standby Accessibility

Sub Total 1449 Total 1449 MP/DST Disc't —

Approved By Terry McLeod Our Representative [Signature]

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