



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1133079  
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: \_\_\_\_\_



1133079

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	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

<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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Decker 1-17
Doc ID	1133079

All Electric Logs Run

Sector Bond / Gamma Ray CCL
Dual Induction
Microresistivity
Borehole Compensated Sonic
Dual Compensated Porosity
Dual Ind. / Neutron-Density Sonic Composite

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Decker 1-17
Doc ID	1133079

Tops

Name	Top	Datum
Anhydrite	2446	704
B/Anhydrite	2463	687
Topeka	3772	-622
Heebner	4013	-863
Toronto	4030	-880
Lansing	4061	-911
C	4105	-955
D	4122	-972
E	4157	-1007
F	4180	-1030
Muncie Creek	4247	-1097
H	4258	-1108
I	4296	-1146
J	4326	-1176
Stark Shale	4348	-1198
K	4359	-1209
L	4408	-1258
BKC	4442	-1292
Marmaton	4500	-1350
Altamont	4518	-1368
Pawnee	4580	-1430
Myrick Station	4616	-1466
Fort Scott	4630	-1480
Cherokee	4656	-1507

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Decker 1-17
Doc ID	1133079

Tops

Name	Top	Datum
Johnson Zone	4717	-1567
Up Morrow Sand	4860	-1710
Missippian	4890	-1740

PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 135360  
Invoice Date: Mar 20, 2013  
Page: 1

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Land	60188	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Mar 20, 2013	4/19/13

Quantity	Item	Description	Unit Price	Amount
490.00	MAT	Decker #1-17 ALW	15.95	7,815.50
123.00	MAT	Flo Seal	2.97	365.31
554.38	SER	Cubic Feet	2.48	1,374.86
1,163.81	SER	Ton Mileage	2.60	3,025.93
1.00	SER	Production -- Top Stage	2,406.25	2,406.25
1.00	CEMENTER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	David Scariano		
1.00	OPER ASSIST	Kevin Ryan		

*Handwritten notes:*  
 APR 01 2013  
 #4298  
 12819.17  
 49,276.40

Subtotal	14,987.85
Sales Tax	679.01
Total Invoice Amount	15,666.86
Payment/Credit Applied	
<b>TOTAL</b>	<b>15,666.86</b>

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

\$ 2,847.69

ONLY IF PAID ON OR BEFORE  
Apr 14, 2013

# ALLIED OIL & GAS SERVICES, LLC 060188

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

*Cokeley*

DATE <i>3-20-13</i>	SEC. <i>17</i>	TWP. <i>17</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION	JOB START <i>3-21-13 7:30 Am</i>	JOB FINISH <i>12:30 Am</i>
LEASE <i>Decker</i>	WELL # <i>1-17</i>	LOCATION <i>Scott City 9W-6 1/2 - N 1 1/2</i>			COUNTY <i>Scott</i>	STATE <i>Ks</i>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)		To Rig					

CONTRACTOR <i>Murfin #20</i>	OWNER <i>Same</i>
TYPE OF JOB <i>Production 2 stage Top Stage</i>	
HOLE SIZE <i>7 7/8</i>	T.D. <i>5210'</i>
CASING SIZE <i>5 1/2</i>	DEPTH <i>4992'</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <i>DV</i>	DEPTH <i>2459'</i>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <i>58.52</i>	

EQUIPMENT		CEMENT	
		AMOUNT ORDERED	<i>490 SKs ALW 1/4 Flossal</i>
		COMMON	@
		POZMIX	@
		GEL	@
		CHLORIDE	@
		ASC	@
		ALW	<i>490 SKs @ 15.82 \$ 7815.50</i>
		Flossal	<i>123 # @ 2.92 \$ 365.31</i>
			@
			@
			@
			@
		HANDLING	<i>554.38 CF X @ 2.48 \$ 1374.86</i>
		MILEAGE	<i>22.82 x 51 x @ 2.60 \$ 3025.82</i>
		TOTAL	<i>\$ 12581.60</i>

PUMP TRUCK CEMENTER *Dauren Lacette*  
# *423-281* HELPER *Tyler Flipse*  
BULK TRUCK  
# *380* DRIVER *David Scario*  
BULK TRUCK  
# *566-595* DRIVER *Kevin Ryan*

**REMARKS:**

*Plug Rat hole 25 SKs Cement*  
*Plug mousehole 15 SKs Cement*  
*mix 450 ALW Cement in casing*  
*Displace with water*  
*Load Plug 1900" Lift 900"*  
*Float Held Cement Old Circulate*

**SERVICE**

DEPTH OF JOB	
PUMP TRUCK CHARGE	<i>Top Stage \$ 2406.25</i>
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD	@
	@
	@
TOTAL	<i>\$ 2406.25</i>

CHARGE TO: *Landmark Resources Inc*  
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 *14,987.85*  
DISCOUNT *2,847.69* IF PAID IN 30 DAYS  
*12,140.15 Net*

PRINTED NAME *Jason Walker*  
SIGNATURE *[Signature]*

PO Box 93999  
Southlake, TX 76092

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

*PD*  
**APR 01 2013**  
*#*

APPROVED APR 01 2013

# INVOICE

Invoice Number: 135359

Invoice Date: Mar 20, 2013

Page: 1

**Bill To:**

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

*73550*

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Land	60187	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Mar 20, 2013	4/19/13

Quantity	Item	Description	Unit Price	Amount
		Decker #1-17		
3.00	MAT	Gel	23.40	70.20
175.00	MAT	ASC <i>high volume</i>	20.90	3,657.50
1,050.00	MAT	Gilsonite <i>high volume</i>	0.98	1,029.00
20.00	MAT	Salt	26.35	527.00
12.00	MAT	Super Flush	58.70	704.40
226.23	SER	Cubic Feet	2.48	561.05
500.31	SER	Ton Mileage	2.60	1,300.81
1.00	SER	Production -- Bottom Stage	3,099.25	3,099.25
51.00	SER	Pump Truck Mileage	7.70	392.70
1.00	SER	Manifold Head Rental	275.00	275.00
51.00	SER	Light Vehicle Mileage	4.40	224.40
1.00	SER	Rotating Head Rental	275.00	275.00
1.00	EQP	5.5 AFU Float Shoe	408.33	408.33
1.00	EQP	5.5 Latch Down Plug Assembly	324.09	324.09
3.00	EQP	5.5 Baskert	394.29	1,182.87
12.00	EQP	5.5 Centralizer	57.33	687.96
1.00	EQP	5.5 D V Tool	5,335.26	5,335.26
1.00	CEMENTER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	David Scariano		

*PD*  
**APR 01 2013**  
*#*  
*42983*  
*49,276.40*

*17400.32*

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

**\$ 3,810.41**

ONLY IF PAID ON OR BEFORE  
**Apr 14, 2013**

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



PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 135359

Invoice Date: Mar 20, 2013

Page: 2

**Bill To:**

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Land	60187	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Mar 20, 2013	4/19/13

Quantity	Item	Description	Unit Price	Amount
1.00	OPER ASSIST	Kevin Ryan		
1.00	CEMENTER	John Robinson		

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

\$ 3,810.41

ONLY IF PAID ON OR BEFORE  
Apr 14, 2013

Subtotal	20,054.82
Sales Tax	1,155.91
Total Invoice Amount	21,210.73
Payment/Credit Applied	
<b>TOTAL</b>	<b>21,210.73</b>

# ALLIED OIL & GAS SERVICES, LLC 060187

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

DATE <u>3-20-13</u>	SEC. <u>17</u>	TWP. <u>17</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 Am</u>	JOB FINISH <u>5:30 Am</u>
LEASE <u>Decker</u>		WELL# <u>1-17</u>		LOCATION <u>Scott City 9W-6 1/2 N-1 1/2 W</u>		COUNTY <u>Scott</u>	STATE <u>Ks.</u>
OLD OR <u>NEW</u> (Circle one)				To Rig.			

CONTRACTOR Murfin #20

TYPE OF JOB Production 2 Stage Bottom

HOLE SIZE 7 7/8 T.D. 5010

CASING SIZE 5 1/2 DEPTH 4992'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DV DEPTH 2459'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42.10

CEMENT LEFT IN CSG. 42.10

PERFS.

DISPLACEMENT 117.80 bbl

OWNER Same

CEMENT

AMOUNT ORDERED 175 SKS ASC 10% Salt  
2% Gel 6" Gilsonite

COMMON	@		
POZMIX	@		
GEL		<u>3 SKS @ \$23.40</u>	<u>\$70.20</u>
CHLORIDE	@		
ASC		<u>175 SKS @ \$20.90</u>	<u>\$3657.75</u>

EQUIPMENT

PUMP TRUCK CEMENTER Damen Resette

# 120 HELPER Tyler Flipse

BULK TRUCK

# 600 DRIVER David Scaciano

BULK TRUCK

# 566-595 DRIVER Kevin Ryan  
John Robertson (WV)

Gilsonite	1050 #	@ \$ .98	\$ 1029.00
Salt	20 SKS	@ \$ 26.35	\$ 527.00
Superflush	1263L	@ \$ 58.70	\$ 7404.40
HANDLING	226.29 CF x	@ \$ 2.48	\$ 561.05
MILBAGE	9.81 x 51 x	@ \$ 2.40	\$ 235.26
TOTAL			<u>\$ 7849.71</u>

REMARKS:

mix Super Flush

mix Asc Cement Displace with water

2 mud. Land Plug 1100' Lift 500'

Open DV Tool 800' Circulate 4 hrs.

SERVICE

DEPTH OF JOB 5010'

PUMP TRUCK CHARGE \$ 3099.75

EXTRA FOOTAGE @

MILEAGE 51 @ \$ 7.70 \$ 392.70

MANIFOLD Head @ \$ 275.00

LV mileage @ \$ 4.40 \$ 224.40

Rotating Head @ \$ 875.00

TOTAL \$ 4266.85

CHARGE TO: Landmark Resources Inc

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

5 1/2 Weatherford

1-APU Float Shoe @ \$ 408.33

1-Latch Down Plug Assy @ \$ 324.00

3-Baskets @ \$ 374.33 1122.99

12-Centralizers @ \$ 57.33 687.96

1-DV Tool @ \$ 535.36

TOTAL \$ 7938.51

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 20,054.82

DISCOUNT 3,810.41 IF PAID IN 30 DAYS

16,244.40 Net

PRINTED NAME Sarah Walker

SIGNATURE 

# INVOICE

## HALLIBURTON

Halliburton Energy Services, Inc.

Remit To: P.O. Box 203143, Houston, TX 77216-3143

### Wire Transfer Information

Account Number: Account 00032969

ABA Routing Number: 021000089

**Invoice Date: March 26, 2013**

**Invoice Number: 99355201**

**DIRECT CORRESPONDENCE TO:**  
 8590 COUNTY ROAD 12 1/2  
 PAMPA, TX 79065  
 US  
 Tel: 806-665-0005  
 Fax: 806-663-5491

**Rig Name:**  
**Well Name:** LANDMARK DECKER 1-17,SCOTT  
**Ship to:** SCOTT CITY, KS 67871  
 SCOTT

**Job Date:** March 09, 2013  
**Cust. PO No.:** NA  
**Payment Terms:** Net 20 days from Invoice date

**Quote No.:**  
**Sales Order No.:** 900277451

**Manual Ticket No.:**  
**Shipping Point:** PAMPA Shipping Point  
**Ultimate Destination Country:** US  
**Customer Account No.:** 303411

**Contract No.:**  
**Contract from:**  
**Contract to:**

**TO:**  
 LANDMARK RESOURCES INC  
 1616 South Voss, Suite 150  
 Houston, TX 77057

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
7521	CMT SURFACE CASING BOM JP010	1.00	JOB					
16091	ZI - PUMPING CHARGE 001-016 DEPTH	1.000	EA		4,935.00	4,935.00	3,454.50-	1,480.50
		250	FT					
141	RCM II W/ADC,/JOB,ZI 046-065 NUMBER OF UNITS	1.000	JOB		1,990.00	1,990.00	1,393.00-	597.00
		1						
132	PORT. DAS W/CEMWIN;ACQUIRE W/H 045-050 NUMBER OF DAYS	1.000	JOB		1,649.00	1,649.00	1,154.30-	494.70
		1						
74038	ZI PLUG CONTAINER RENTAL-1ST D DAYS OR FRACTION (MIN1)	1.000	EA	1,322.00	1,322.00	1,322.00	925.40-	396.60
		1						
*452981	EXTENDACEM MCII (TM) SYSTEM CMT, ExtendaCem (TM) system	50.00	SK	1,322.00	34.63	1,731.50	1,212.05-	519.45
*452990	SWIFTCEM MCII (TM) SYSTEM	100.00	SK		47.04	4,704.00	3,292.80-	1,411.20
86954	FUEL SURCHG-CARS/PICKUPS< 1 1/2 FUEL SURCHG-CARS/PICKUPS< 1 1/2TON/PER/MI Number of Units	250.000	MI		0.24	60.00		60.00
		1						
86955	FUEL SURCHG-HEAVY TRKS > 1 1/2 FUEL SURCHG-HEAVY TRKS > 1 1/2 TON/PER MI Number of Units	250.000	MI		0.72	360.00	180.00	540.00
		3						
87605	FUEL SURCHG-CMT & CMT ADDITIVE FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM NUMBER OF TONS	125.000	TNM		0.24	218.40	564.00	782.40
		26.08						

# INVOICE

## HALLIBURTON

Halliburton Energy Services, Inc.

Remit To: P.O. Box 203143, Houston, TX 77216-3143

Continuation

**Invoice Date: March 26, 2013**

**Invoice Number: 99355201**

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
372867	Cmt PSL - DOT Vehicle Charge, Cmt PSL - DOT Vehicle Charge, CMT	4.000	EA		241.00	964.00		964.00
7	ENVIRONMENTAL SURCHARGE,/JOB,Z 000-150	1.000	JOB		134.00	134.00		134.00
*101227839	PLUG,CMTG,TOP,8 5/8,HWE,7.20 M PLUG, CEMENTING, TOP, 8 5/8, HWE, 7.20 / MIN/8.09 MAX CASING ID, SYNTHETIC / SERVICE	1.000	EA		380.00	380.00	266.00-	114.00
2	MILEAGE FOR CEMENTING CREW,ZI 000-119 Number of Units	250.000	MI		5.76	1,440.00	1,008.00-	432.00
1	ZI-MILEAGE FROM NEAREST HES BA 000-117 Number of Units	250.000	MI		9.79	2,447.50	1,713.25-	734.25
76400	MILEAGE,CMT MTLs DEL/RET MIN 500-306 / MILEAGE,CMTG MTLs DEL/RET PER/TON MI.MIN	125.000	MI	307.09		307.09	2,969.21	3,276.30
53	1" PIPE FOR CEMENTING TOP OUTS 019-200	100.000	EA		2.75	275.00		275.00
129315	HANDLG TOOLS FOR 1" PIPE DURNG	1.000	EA		89.98	89.98		89.98
16092	ADDITIONAL HOURS (PUMPING EQUI / / / 001-018 / CSG PUMPING,ADD HR,ZI	5.000	EA		1,139.00	5,695.00	3,986.50-	1,708.50
*101509387	CALCIUM CHLORIDE, PELLETT	3.000	SK		180.30	540.90	378.63-	162.27
*101216940	POLY-E-FLAKE	13.000	LB		7.84	101.92	71.34-	30.58
*101509387	CALCIUM CHLORIDE, PELLETT	4.000	SK		180.30	721.20	504.84-	216.36
*101216940	POLY-E-FLAKE	13.000	LB		7.84	101.92	71.34-	30.58
3965	HANDLE&DUMP SVC CHRg, CMT&ADDI 500-207 NUMBER OF EACH	564.000	CF		5.49	3,096.36	2,167.45-	928.91
76400	ZI MILEAGE,CMT MTLs DEL/RET MI 500-306 / MILEAGE,CMTG MTLs DEL/RET PER/TON MI.MIN NUMBER OF TONS	125.000	MI	307.09		3,048.50	2,133.95-	914.55
		26.08						

# INVOICE

Continuation

## HALLIBURTON

Halliburton Energy Services, Inc.

Remit To: P.O. Box 203143, Houston, TX 77216-3143

**Invoice Date: March 26, 2013**

**Invoice Number: 99355201**

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
*100003684	CLASS A REGULAR/TYPE 1 ///// CEM,CLASS A REGULAR/TYPE 1,BULK	200.000	SK		47.04	9,408.00	6,585.60-	2,822.40
	<b>Taxable</b>							5,306.84
	<b>Non-Taxable</b>							13,808.69
	<b>Total</b>					45,721.27	26,605.74-	19,115.53
	<b>Due on April 15, 2013</b>					45,721.27	26,605.74-	19,115.53
	<b>Sales Tax - State -KS</b>							334.33
	<b>Sales Tax - County -SCOTT</b>							106.14
	<b>Invoice Total</b>							19,556.00
								US Dollars

**Payment Terms:**

If Customer does not have an approved open account with Halliburton, all sums are payable in cash at the time of performance of services or delivery of equipment, products, or materials. If Customer has an approved open account, invoices are payable based upon the payment terms stated on this invoice or as otherwise stated in the applicable Halliburton contract governing performance or delivery. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable. In the event Halliburton employs an attorney for collection of any amount, Customer agrees to pay all reasonable and necessary attorney fees to recover the unpaid amount, plus all collection and court costs.

Melissa Pierce Phone: 580.251.3301

HALLIBURTON

Field Ticket

<b>Field Ticket Number:</b> 900277451		<b>Field Ticket Date:</b> Saturday, March 09, 2013	
<b>Bill To:</b>		<b>Job Name:</b> 8 5/8 Surface Casing	
<b>Ship To:</b> LANDMARK DECKER 1-17,SCOTT DECKER 1-17 2985636 SCOTT CITY, KS 67871		<b>Order Type:</b> Streamline Order (ZOH)	
		<b>Well Name:</b> DECKER 1-17	
		<b>Company Code:</b> 1100	
		<b>Customer PO No.:</b> NA	
		<b>Shipping Point:</b> Pampa, TX, USA	
		<b>Sales Office:</b> Mid-Continent BD	
		<b>Well Type:</b> Oil	
		<b>Well Category:</b> Development	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7521	CMT SURFACE CASING BOM	1	JOB	0.00	0.00	0.00		0.00
16091	ZI - PUMPING CHARGE	1	EA	0.00	4,935.00	4,935.00	70%	1,480.50
	DEPTH	250						
	FEET/METERS (FT/M)		FT					
141	RCM II W/ADC,/JOB,ZI	1	JOB	0.00	1,990.00	1,990.00	70%	597.00
	NUMBER OF UNITS	1						
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	0.00	1,649.00	1,649.00	70%	494.70
	NUMBER OF DAYS	1						
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	0.00	1,322.00	1,322.00	70%	396.60
	DAYS OR FRACTION (MIN1)	1						
452981	EXTENDACEM MCII (TM) SYSTEM	50	SK			1,731.50	70.0%	519.45
101509387	CALCIUM CHLORIDE, PELLETT	3	SK	0.00	180.30	540.90	70%	162.27
101216940	POLY-E-FLAKE	13	LB	0.00	7.84	101.92	70%	30.58
101509387	CALCIUM CHLORIDE, PELLETT	4	SK	0.00	180.30	721.20	70%	216.36
101216940	POLY-E-FLAKE	13	LB	0.00	7.84	101.92	70%	30.58
452990	SWIFTCEM MCII (TM) SYSTEM	100	SK			4,704.00	70.0%	1,411.20
3965	HANDLE&DUMP SVC CHRGR, CMT&ADDITIVES,ZI	564	CF	0.00	5.49	3,096.36	70%	928.91
	NUMBER OF EACH	1						
	Unit of Measurement	0						
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PERM	250	MI	0.00	0.24	60.00		60.00
	Number of Units	1						

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 900277451	<b>Field Ticket Date:</b> Saturday, March 09, 2013
<b>Bill To:</b>	<b>Job Name:</b> 8 5/8 Surface Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> DECKER 1-17 <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Pampa, TX, USA <b>Sales Office:</b> Mid-Continent BD <b>Well Type:</b> Oil <b>Well Category:</b> Development
<b>Ship To:</b> LANDMARK DECKER 1-17,SCOTT DECKER 1-17 2985636 SCOTT CITY, KS 67871	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI	250	MI	0.00	0.72	540.00		540.00
	Number of Units	3						
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM	125	TNM	0.00	0.24	782.40		782.40
	NUMBER OF TONS	26.08						
372867	Cmt PSL - DOT Vehicle Charge, CMT	4	EA	0.00	241.00	964.00		964.00
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	0.00	134.00	134.00		134.00
101227839	PLUG,CMTG, TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA	0.00	380.00	380.00	70%	114.00
2	MILEAGE FOR CEMENTING CREW,ZI	250	MI	0.00	5.76	1,440.00	70%	432.00
	Number of Units	1						
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	250	MI	0.00	9.79	2,447.50	70%	734.25
	Number of Units	1						
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	125	MI	0.00	3.35	3,048.50	70%	914.55
	NUMBER OF TONS	7.28						
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI	5	EA	0.00	1,139.00	5,695.00	50%	<del>2,847.50</del>
	HOURS	1					75%	1,708.50
	UNIT OF MEASURE - HRS	0						
100003684	CLASS A REGULAR/TYPE 1	200	SK	47.04	0.00	9,408.00	70%	2,822.40
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	125	MI	0.00	3.35	10,921.00	70%	3,276.30
	NUMBER OF TONS	26.08						
53	1" PIPE FOR CEMENTING TOP OUTSIDE,ZI	100	EA	2.75	0.00	275.00		275.00
	NUMBER OF DAYS	1						

Field Ticket Number: 900277451

Field Ticket Date: Saturday, March 09, 2013

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 900277451	<b>Field Ticket Date:</b> Saturday, March 09, 2013
<b>Bill To:</b>	<b>Job Name:</b> 8 5/8 Surface Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> DECKER 1-17 <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Pampa, TX, USA <b>Sales Office:</b> Mid-Continent BD <b>Well Type:</b> Oil <b>Well Category:</b> Development
<b>Ship To:</b> LANDMARK DECKER 1-17, SCOTT DECKER 1-17 2985636 SCOTT CITY, KS 67871	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
129395	PKR, HANDLING TOOLS.	1	EA	<del>250.00</del> 89.98	0.00	<del>250.00</del> 89.98		<del>250.00</del> 89.98
<b>Halliburton Rep:</b> EDUARDO VILLANUEVA						<b>Totals</b>	<b>USD</b>	<b>57,239.20</b>
<b>Customer Agent:</b> Greg .								<b>36,824.65</b>
<b>Halliburton Approval:</b> <i>3D</i>								<b>20,414.55</b>

19115.53

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.  
 CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X *Greg Corder*  
 Customer Signature

FIELD TICKET TOTAL: USD 20,414.55

Was our HSE performance satisfactory? Y or N (Health, Safety, Environment)      Were you satisfied with our Equipment? Y or N      Were you satisfied with our people? Y or N

Comments

Did we provide job DVA above our normal service today? Y or N      Hours: \_\_\_\_\_      Other: \_\_\_\_\_      Customer Initials: \_\_\_\_\_  
 Please provide details:



# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 900277451	<b>Field Ticket Date:</b> Saturday, March 09, 2013
<b>Bill To:</b>	<b>Job Name:</b> 8 5/8 Surface Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> DECKER 1-17 <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Pampa, TX, USA <b>Sales Office:</b> Mid-Continent BD <b>Well Type:</b> Oil <b>Well Category:</b> Development
<b>Ship To:</b> LANDMARK DECKER 1-17,SCOTT DECKER 1-17 2985636 SCOTT CITY, KS 67871	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7521	CMT SURFACE CASING BOM	1	JOB	0.00	0.00	0.00		0.00
16091	ZI - PUMPING CHARGE	1	EA	0.00	4,935.00	4,935.00	70%	1,480.50
	DEPTH	250						
	FEET/METERS (FT/M)		FT					
141	RCM II W/ADC,/JOB,ZI	1	JOB	0.00	1,990.00	1,990.00	70%	597.00
	NUMBER OF UNITS	1						
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	0.00	1,649.00	1,649.00	70%	494.70
	NUMBER OF DAYS	1						
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	0.00	1,322.00	1,322.00	70%	396.60
	DAYS OR FRACTION (MIN1)	1						
452981	EXTENDACEM MCII (TM) SYSTEM	50	SK			1,731.50	70.0%	519.45
101509387	CALCIUM CHLORIDE, PELLETT	3	SK	0.00	180.30	540.90	70%	162.27
101216940	POLY-E-FLAKE	13	LB	0.00	7.84	101.92	70%	30.58
101509387	CALCIUM CHLORIDE, PELLETT	4	SK	0.00	180.30	721.20	70%	216.36
101216940	POLY-E-FLAKE	13	LB	0.00	7.84	101.92	70%	30.58
452990	SWIFTCEM MCII (TM) SYSTEM	100	SK			4,704.00	70.0%	1,411.20
3965	HANDLE&DUMP SVC CHRGR, CMT&ADDITIVES,ZI	564	CF	0.00	5.49	3,096.36	70%	928.91
	NUMBER OF EACH	1						
	Unit of Measurement	0						
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PERM	250	MI	0.00	0.24	60.00		60.00
	Number of Units	1						

Field Ticket Number: 900277451

Field Ticket Date: Saturday, March 09, 2013

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 900277451		<b>Field Ticket Date:</b> Saturday, March 09, 2013	
<b>Bill To:</b>		<b>Job Name:</b> 8 5/8 Surface Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> DECKER 1-17 <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Pampa, TX, USA <b>Sales Office:</b> Mid-Continent BD <b>Well Type:</b> Oil <b>Well Category:</b> Development	
<b>Ship To:</b> LANDMARK DECKER 1-17,SCOTT DECKER 1-17 2985636 SCOTT CITY, KS 67871			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI <i>Number of Units</i>	250 3	MI	0.00	0.72	540.00		540.00
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM <i>NUMBER OF TONS</i>	125 26.08	TNM	0.00	0.24	782.40		782.40
372867	Cmt PSL - DOT Vehicle Charge, CMT	4	EA	0.00	241.00	964.00		964.00
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	0.00	134.00	134.00		134.00
101227839	PLUG,CMTG, TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA	0.00	380.00	380.00	70%	114.00
2	MILEAGE FOR CEMENTING CREW,ZI <i>Number of Units</i>	250 1	MI	0.00	5.76	1,440.00	70%	432.00
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT <i>Number of Units</i>	250 1	MI	0.00	9.79	2,447.50	70%	734.25
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN <i>NUMBER OF TONS</i>	125 7.28	MI	0.00	3.35	3,048.50	70%	914.55
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI <i>HOURS</i> <i>UNIT OF MEASURE - HRS</i>	5 1 0	EA	0.00	1,139.00	5,695.00	50%	2,847.50
100003684	CLASS A REGULAR/TYPE 1	200	SK	47.04	0.00	9,408.00	70%	2,822.40
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN <i>NUMBER OF TONS</i>	125 26.08	MI	0.00	3.35	10,921.00	70%	3,276.30
53	1" PIPE FOR CEMENTING TOP OUTSIDE,ZI <i>NUMBER OF DAYS</i>	100 1	EA	2.75	0.00	275.00		275.00

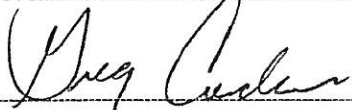
*Field Ticket*

<b>Field Ticket Number:</b> 900277451	<b>Field Ticket Date:</b> Saturday, March 09, 2013
<b>Bill To:</b>  	<b>Job Name:</b> 8 5/8 Surface Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> DECKER 1-17 <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Pampa, TX, USA <b>Sales Office:</b> Mid-Continent BD <b>Well Type:</b> Oil <b>Well Category:</b> Development
<b>Ship To:</b> LANDMARK DECKER 1-17,SCOTT DECKER 1-17 2985636 SCOTT CITY, KS 67871	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
129395	PKR, HANDLING TOOLS.	1	EA	250.00	0.00	250.00		250.00

Halliburton Rep:	EDUARDO VILLANUEVA	<b>Totals</b>	<b>USD</b>	<b>57,239.20</b>	<b>36,824.65</b>	<b>20,414.55</b>
Customer Agent:	Greg .					
Halliburton Approval						

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.  
 CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

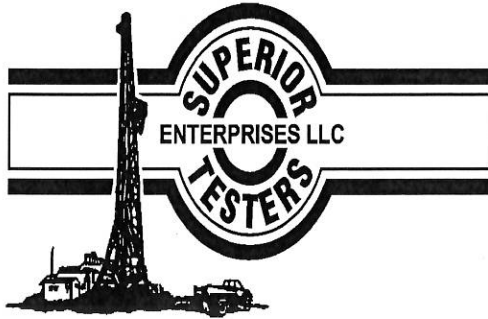
X   
 \_\_\_\_\_  
 Customer Signature

FIELD TICKET TOTAL: USD 20,414.55

Was our HSE performance satisfactory? Y or N      Were you satisfied with our Equipment? Y or N      Were you satisfied with our people? Y or N  
 (Health, Safety, Environment)

Comments

Did we provide job DVA above our normal service today? Y or N      Hours: \_\_\_\_\_      Other: \_\_\_\_\_      Customer Initials: \_\_\_\_\_  
 Please provide details:



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Incorporated**

1616 South Voss Road  
Suite 600  
Houston, Texas 77057+2641

ATTN: Wes Hansen

### **Decker #1-17**

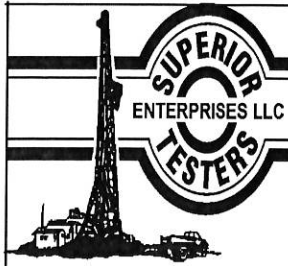
### **17/17S/34W/Scott**

Start Date: 2013.03.18 @ 04:34:00

End Date: 2013.03.18 @ 10:48:30

Job Ticket #: 17479                      DST #: 5

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902



# DRILL STEM TEST REPORT

Landmark Resources Incorporated

17/17S/34W/Scott

1616 South Voss Road  
Suite 600  
Houston, Texas 77057+2641  
ATTN: Wes Hansen

Decker #1-17

Job Ticket: 17479

DST#: 5

Test Start: 2013.03.18 @ 04:34:00

## GENERAL INFORMATION:

Formation: **Pawnee/Myrick Statio**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:21:30

Time Test Ended: 10:48:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/34

Interval: **4576.00 ft (KB) To 4640.00 ft (KB) (TVD)**

Total Depth: 4640.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 3150.00 ft (KB)

3139.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6749

Inside

Press @ Run Depth: 62.52 psia @ 4636.16 ft (KB)

Start Date: 2013.03.18

End Date:

2013.03.18

Capacity:

5000.00 psia

Start Time: 04:34:00

End Time:

10:48:30

Last Calib.:

2013.03.18

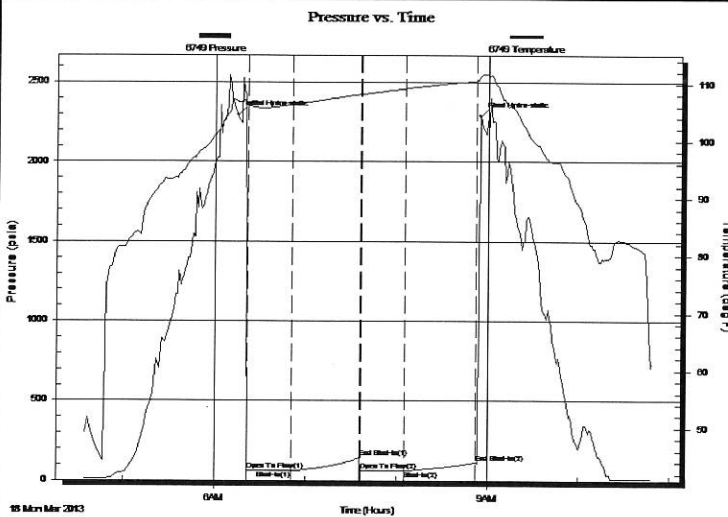
Time On Btm:

2013.03.18 @ 06:15:00

Time Off Btm:

2013.03.18 @ 08:54:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch then died in 16 minutes  
1ST Shut In 45 Minutes/No blow back  
2ND Open 30 Minutes/Dead no blow  
2ND Shut In 45 Minutes/No blow back



## PRESSURE SUMMARY

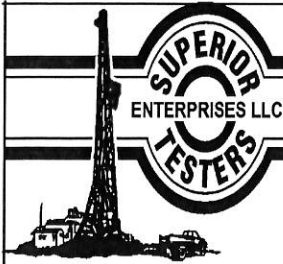
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2295.58	106.90	Initial Hydro-static
7	61.02	106.35	Open To Flow (1)
36	61.06	106.36	Shut-In(1)
81	142.28	108.17	End Shut-In(1)
82	62.32	108.18	Open To Flow (2)
111	62.52	109.18	Shut-In(2)
158	112.61	110.58	End Shut-In(2)
160	2287.50	111.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Slightly oil cut mud	0.02
0.00	Oil 1% Mud 99%	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Landmark Resources Incorporated

17/17S/34W/Scott

1616 South Voss Road  
Suite 600  
Houston, Texas 77057+2641  
ATTN: Wes Hansen

Decker #1-17

Job Ticket: 17479

DST#:5

Test Start: 2013.03.18 @ 04:34:00

## GENERAL INFORMATION:

Formation: **Pawnee/Myrick Statio**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:21:30

Time Test Ended: 10:48:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/34

Interval: **4576.00 ft (KB) To 4640.00 ft (KB) (TVD)**

Total Depth: 4640.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 3150.00 ft (KB)

3139.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **6838**

Outside

Press @ Run Depth: 113.06 psia @ 4637.16 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.03.18

End Date:

2013.03.18

Last Calib.: 2013.03.18

Start Time: 04:34:00

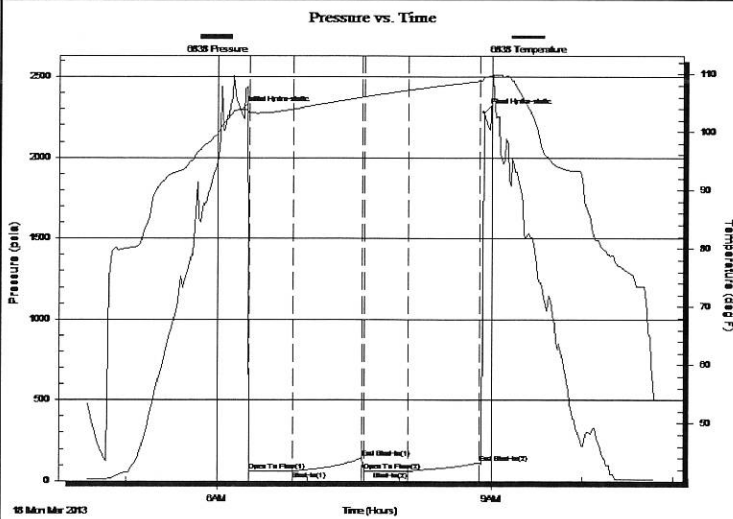
End Time:

10:48:00

Time On Btm: 2013.03.18 @ 06:15:00

Time Off Btm: 2013.03.18 @ 08:54:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch then died in 16 minutes  
1ST Shut In 45 Minutes/No blow back  
2ND Open 30 Minutes/Dead no blow  
2ND Shut In 45 Minutes/No blow back



## PRESSURE SUMMARY

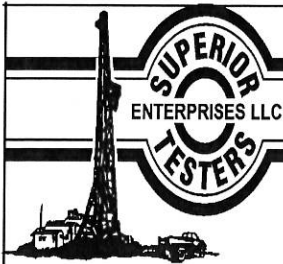
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2292.64	103.77	Initial Hydro-static
6	59.91	102.99	Open To Flow (1)
35	62.03	103.92	Shut-In(1)
81	142.96	106.03	End Shut-In(1)
82	62.91	106.07	Open To Flow (2)
111	63.13	107.22	Shut-In(2)
158	113.06	108.82	End Shut-In(2)
160	2279.88	109.40	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Slightly oil cut mud	0.02
0.00	Oil 1% Mud 99%	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Incorporated

**17/17S/34W/Scott**

1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

**Decker #1-17**

Job Ticket: 17479

**DST#: 5**

Test Start: 2013.03.18 @ 04:34:00

## Tool Information

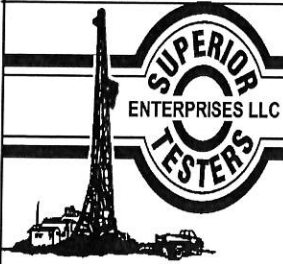
Drill Pipe:	Length: 4389.00 ft	Diameter: 3.80 inches	Volume: 61.57 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 62.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4576.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.16 ft			
Tool Length:	91.16 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			4554.00	
Hydraulic Tool	5.00			4559.00	
Jars	5.00			4564.00	
Safety Joint	2.00			4566.00	
Packer	5.00			4571.00	27.00 Bottom Of Top Packer
Packer	5.00			4576.00	
Perforations	5.00			4581.00	
Change Over Sub	0.75			4581.75	
Drill Pipe	31.66			4613.41	
Change Over Sub	0.75			4614.16	
Anchor	21.00			4635.16	
Recorder	1.00	6749	Inside	4636.16	
Recorder	1.00	6838	Outside	4637.16	
Bullnose	3.00			4640.16	64.16 Bottom Packers & Anchor

**Total Tool Length: 91.16**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources Incorporated

17/17S/34W/Scott

1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

**Decker #1-17**

Job Ticket: 17479

**DST#: 5**

Test Start: 2013.03.18 @ 04:34:00

### Mud and Cushion Information

Mud Type: Gel Chem  
 Mud Weight: 9.00 lb/gal  
 Viscosity: 49.00 sec/qt  
 Water Loss: 7.20 in<sup>3</sup>  
 Resistivity: ohm.m  
 Salinity: 7200.00 ppm  
 Filter Cake: 1.00 inches

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

Oil API: deg API  
 Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Slightly oil cut mud	0.025
0.00	Oil 1% Mud 99%	0.000

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 #: 6749

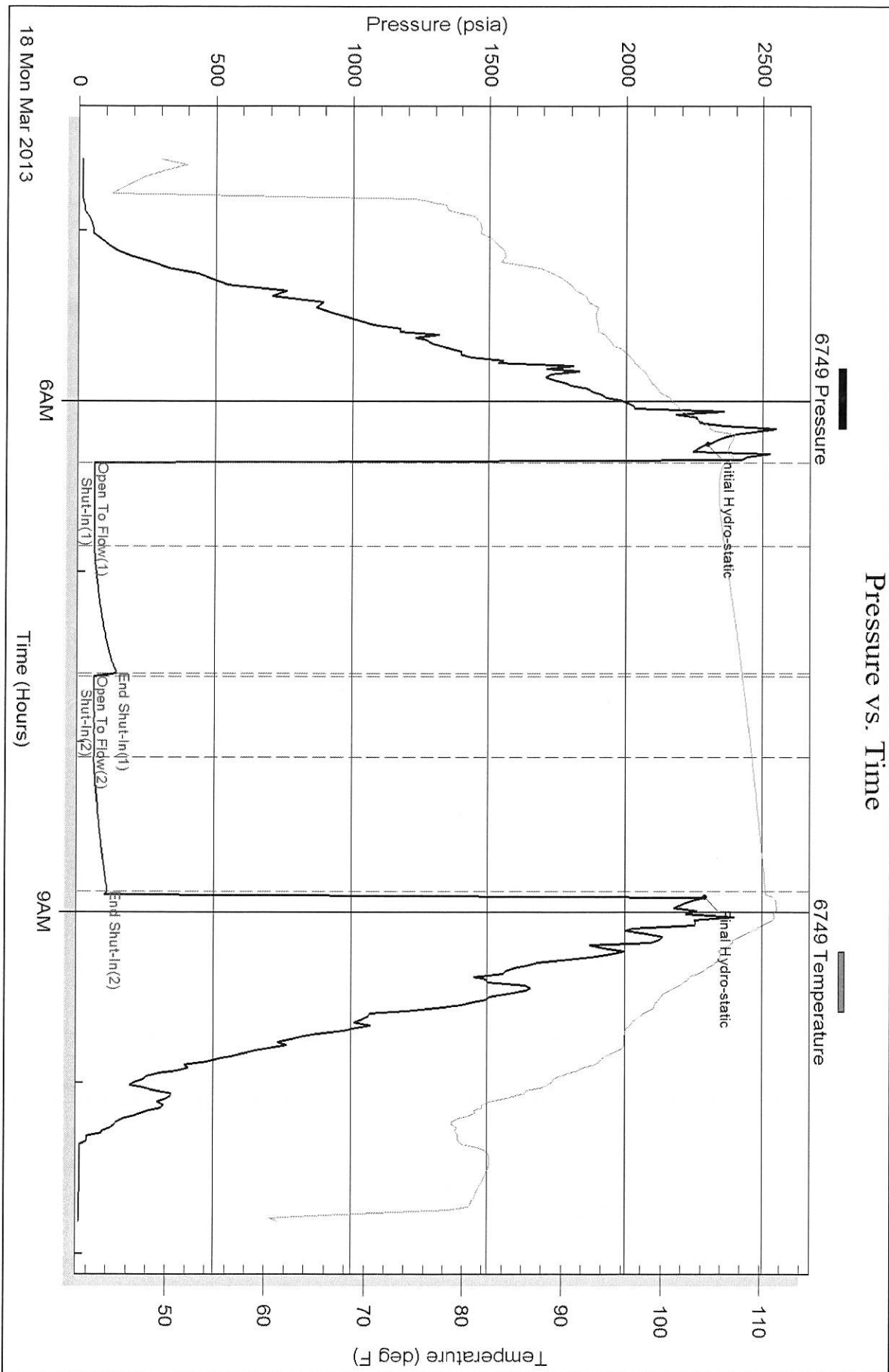
Inside

Landmark Resources Incorporated

Decker #1-17

DST Test Number: 5

### Pressure vs. Time

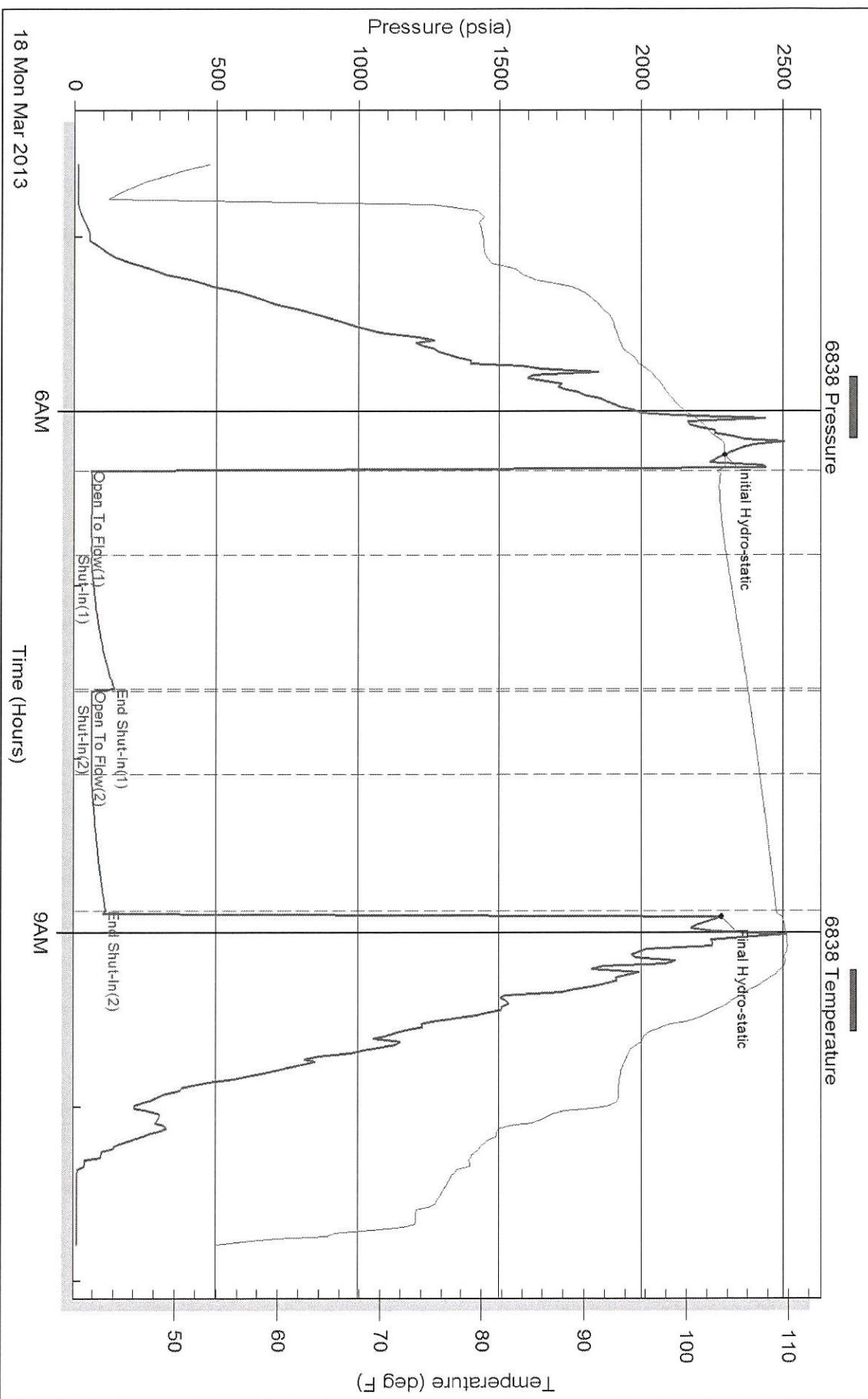


Superior Testers Enterprises LLC

Ref. No: 17479

Printed: 2013.03.18 @ 10:59:23

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Incorporated**

1616 South Voss Road  
Suite 600  
Houston, Texas 77057+2641

ATTN: Wes Hansen

### **Decker #1-17**

### **17/17S/34W/Scott**

Start Date: 2013.03.15 @ 02:55:00

End Date: 2013.03.15 @ 10:16:30

Job Ticket #: 17476                      DST #: 2

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2013.03.15 @ 10:51:26

Landmark Resources Incorporated

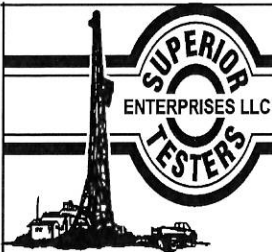
17/17S/34W/Scott

Decker #1-17

DST # 2

Lansing/Kansas City

2013.03.15



# DRILL STEM TEST REPORT

Landmark Resources Incorporated

17/17S/34W/Scott

1616 South Voss Road  
Suite 600  
Houston, Texas 77057+2641  
ATTN: Wes Hansen

Decker #1-17

Job Ticket: 17476

DST#: 2

Test Start: 2013.03.15 @ 02:55:00

## GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:50:30

Time Test Ended: 10:16:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/34

Interval: **4280.00 ft (KB) To 4337.00 ft (KB) (TVD)**

Total Depth: 4337.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 3150.00 ft (KB)

3139.00 ft (CF)

KB to GR/CF: 11.00 ft

## Serial #: 6749

Inside

Press @ RunDepth: 375.00 psia @ 4333.17 ft (KB)

Start Date: 2013.03.15

End Date:

2013.03.15

Start Time: 02:55:00

End Time:

10:16:30

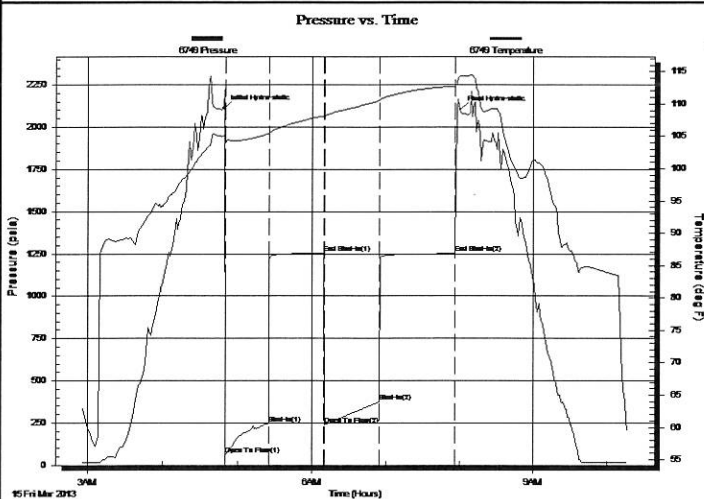
Capacity: 5000.00 psia

Last Calib.: 2013.03.15

Time On Btm: 2013.03.15 @ 04:48:30

Time Off Btm: 2013.03.15 @ 08:00:30

TEST COMMENT: 1ST Open 30 Minutes/Good blow/Blow built to bottom of bucket in 25 minutes  
1ST Shut In 45 Minutes/No blow back  
2ND Open 45 Minutes/Good blow/Blow built to bottom of bucket in 26 minutes  
2ND Shut In 60 Minutes/No blow back



## PRESSURE SUMMARY

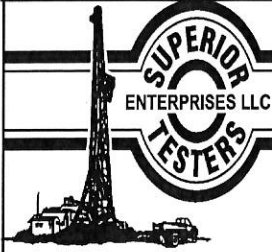
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2109.82	105.01	Initial Hydro-static
2	63.92	104.06	Open To Flow (1)
37	246.65	105.41	Shut-In(1)
81	1253.05	108.14	End Shut-In(1)
82	238.69	108.01	Open To Flow (2)
126	375.00	110.52	Shut-In(2)
188	1250.92	112.74	End Shut-In(2)
192	2102.94	114.29	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
370.00	Oil spotted w atery mud	3.55
0.00	Oil 1% Water 19% Mud 80%	0.00
300.00	Lightly oil spotted muddy w ater	4.21
0.00	Oil 1% Mud 19% Water 80%	0.00
0.00	Recovery Chlorides 26,000 ppm	0.00
0.00	Recov. Resis. .26 ohms @ 58 deg	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Landmark Resources Incorporated  
 1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

**17/17S/34W/Scott**  
**Decker #1-17**  
 Job Ticket: 17476 **DST#: 2**  
 Test Start: 2013.03.15 @ 02:55:00

## GENERAL INFORMATION:

Formation: **Lansing/Kansas City**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:50:30  
 Time Test Ended: 10:16:30

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 3325 Scott City/34

**Interval: 4280.00 ft (KB) To 4337.00 ft (KB) (TVD)**  
 Total Depth: 4337.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 3150.00 ft (KB)  
 3139.00 ft (CF)  
 KB to GR/CF: 11.00 ft

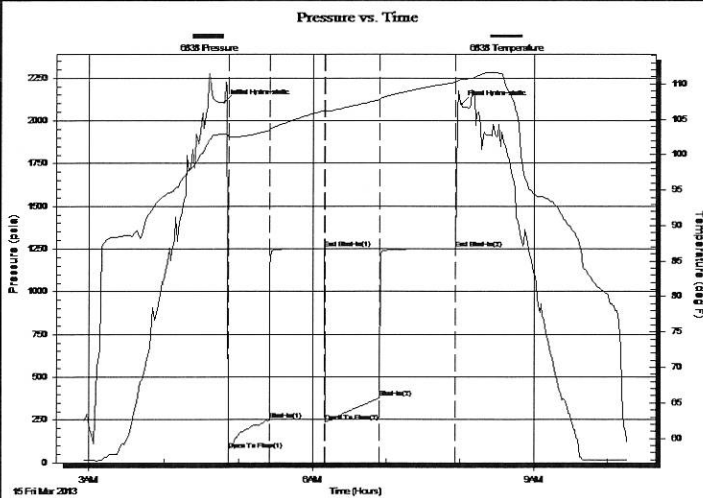
## Serial #: 6838

## Outside

Press @ Run Depth: 1251.59 psia @ 4334.17 ft (KB)  
 Start Date: 2013.03.15 End Date: 2013.03.15  
 Start Time: 02:55:00 End Time: 10:16:30

Capacity: 5000.00 psia  
 Last Calib.: 2013.03.15  
 Time On Btm: 2013.03.15 @ 04:48:00  
 Time Off Btm: 2013.03.15 @ 08:01:00

TEST COMMENT: 1ST Open 30 Minutes/Good blow/Blow built to bottom of bucket in 25 minutes  
 1ST Shut In 45 Minutes/No blow back  
 2ND Open 45 Minutes/Good blow/Blow built to bottom of bucket in 26 minutes  
 2ND Shut In 60 Minutes/No blow back



## PRESSURE SUMMARY

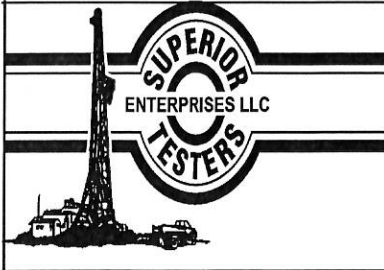
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2104.31	102.89	Initial Hydro-static
4	70.74	102.50	Open To Flow (1)
37	246.44	103.44	Shut-In(1)
82	1252.95	106.24	End Shut-In(1)
83	235.40	106.09	Open To Flow (2)
127	376.94	107.77	Shut-In(2)
188	1251.59	110.21	End Shut-In(2)
193	2093.47	110.61	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
370.00	Oil spotted watery mud	3.55
0.00	Oil 1% Water 19% Mud 80%	0.00
300.00	Lightly oil spotted muddy water	4.21
0.00	Oil 1% Mud 19% Water 80%	0.00
0.00	Recovery Chlorides 26,000 ppm	0.00
0.00	Recov. Resis. .26 ohms @ 58 deg	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Incorporated  
 1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

**17/17S/34W/Scott**  
**Decker #1-17**  
 Job Ticket: 17476      **DST#: 2**  
 Test Start: 2013.03.15 @ 02:55:00

**Tool Information**

Drill Pipe:	Length: 4104.00 ft	Diameter: 3.80 inches	Volume: 57.57 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: 20000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 58.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4280.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.17 ft			
Tool Length:	84.17 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4258.00	
Hydraulic Tool	5.00			4263.00	
Jars	5.00			4268.00	
Safety Joint	2.00			4270.00	
Packer	5.00			4275.00	27.00      Bottom Of Top Packer
Packer	5.00			4280.00	
Perforations	4.00			4284.00	
Change Over Sub	0.75			4284.75	
Drill Pipe	31.67			4316.42	
Change Over Sub	0.75			4317.17	
Anchor	15.00			4332.17	
Recorder	1.00	6749	Inside	4333.17	
Recorder	1.00	6838	Outside	4334.17	
Bullnose	3.00			4337.17	57.17      Bottom Packers & Anchor

**Total Tool Length: 84.17**



# DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Incorporated  
 1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

17/17S/34W/Scott  
**Decker #1-17**  
 Job Ticket: 17476      **DST#: 2**  
 Test Start: 2013.03.15 @ 02:55:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
370.00	Oil spotted watery mud	3.550
0.00	Oil 1% Water 19% Mud 80%	0.000
300.00	Lightly oil spotted muddy water	4.208
0.00	Oil 1% Mud 19% Water 80%	0.000
0.00	Recovery Chlorides 26,000 ppm	0.000
0.00	Recov. Resis. .26 ohms @ 58 deg	0.000

Total Length: 670.00 ft      Total Volume: 7.758 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 6749

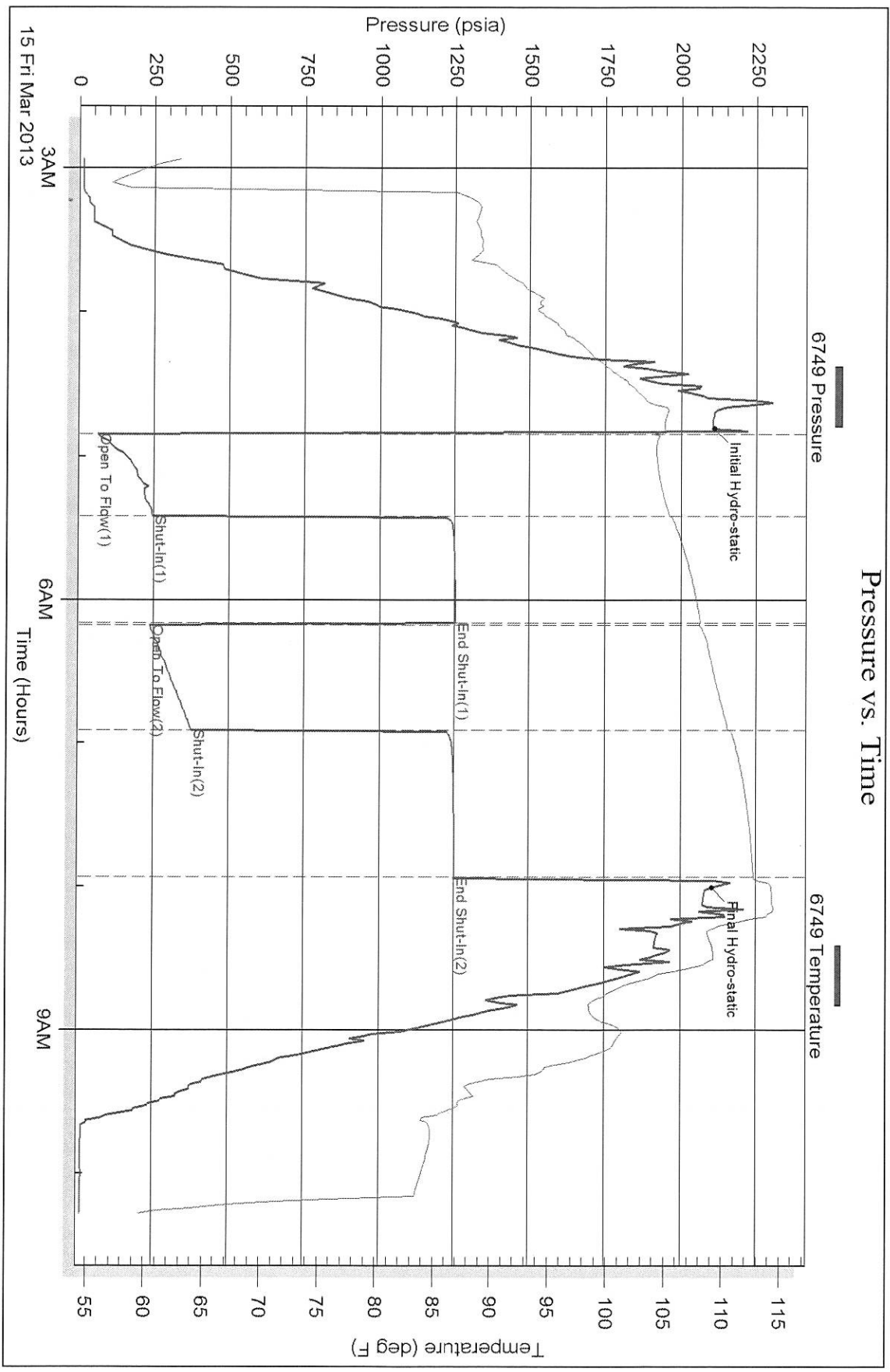
Inside

Landmark Resources Incorporated

Decker #1-17

DST Test Number: 2

### Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17476

Printed: 2013.03.15 @ 10:51:27



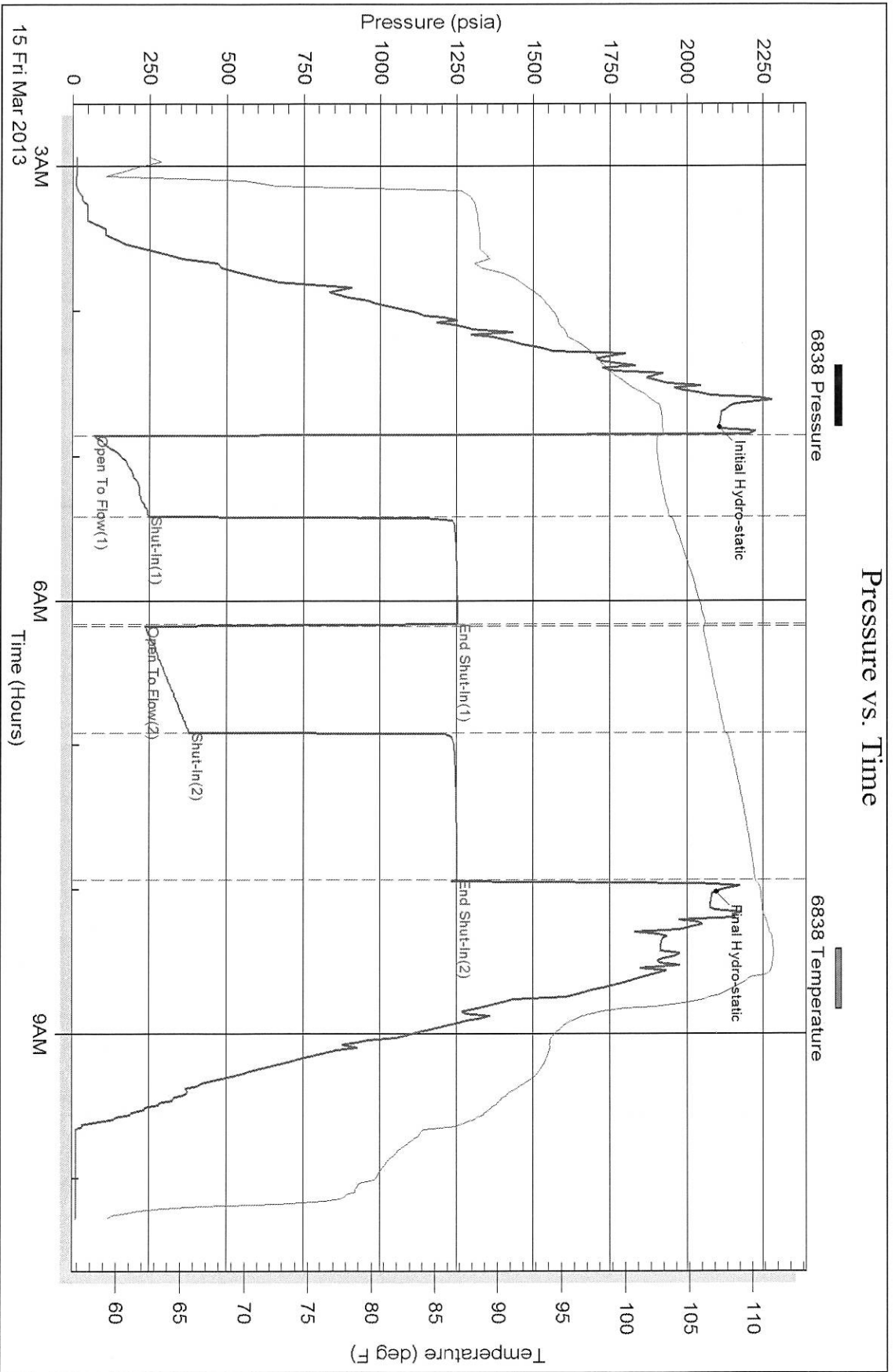
Serial #: 6838

Outside Landmark Resources Incorporated

Decker #1-17

DST Test Number: 2

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Incorporated**

1616 South Voss Road  
Suite 600  
Houston, Texas 77057+2641

ATTN: Wes Hansen

### **Decker #1-17**

### **17/17S/34W/Scott**

Start Date: 2013.03.14 @ 06:22:00

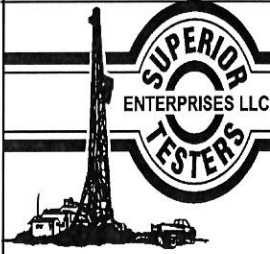
End Date: 2013.03.14 @ 13:30:00

Job Ticket #: 17525                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2013.03.14 @ 13:49:52

Landmark Resources Incorporated  
17/17S/34W/Scott  
Decker #1-17  
DST # 1  
Lansing/Kansas City  
2013.03.14



# DRILL STEM TEST REPORT

Landmark Resources Incorporated  
 1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

**17/17S/34W/Scott**  
**Decker #1-17**  
 Job Ticket: 17525 **DST#: 1**  
 Test Start: 2013.03.14 @ 06:22:00

## GENERAL INFORMATION:

Formation: **Lansing/Kansas City**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:25:30  
 Time Test Ended: 13:30:00

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 3325 Scott City/34

**Interval: 4244.00 ft (KB) To 4270.00 ft (KB) (TVD)**  
 Total Depth: 4270.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 3150.00 ft (KB)  
 3139.00 ft (CF)  
 KB to GR/CF: 11.00 ft

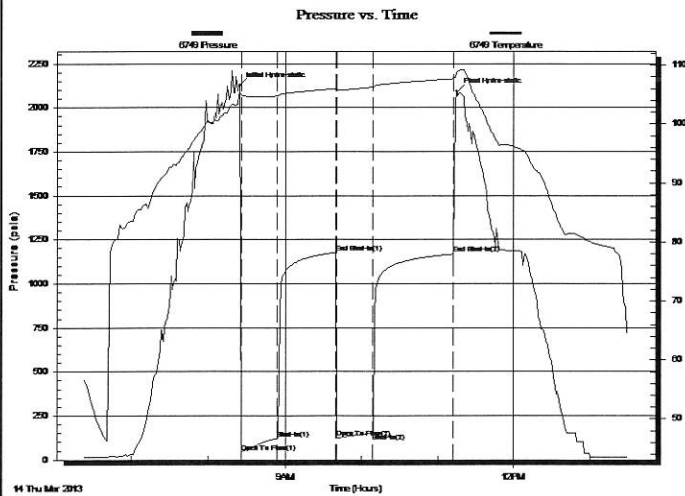
## Serial #: 6749

## Inside

Press@RunDepth: 152.90 psia @ 4266.00 ft (KB)  
 Start Date: 2013.03.14 End Date: 2013.03.14  
 Start Time: 06:22:00 End Time: 13:30:00

Capacity: 5000.00 psia  
 Last Calib.: 2013.03.14  
 Time On Btm: 2013.03.14 @ 08:24:30  
 Time Off Btm: 2013.03.14 @ 11:15:00

**TEST COMMENT:** 1ST Open 30 Minutes/Fair blow /Blow built to 8 1/2 inches in bucket of water  
 1ST Shut In 45 Minutes/No blow back  
 2ND Open 30 Minutes/Fair blow /Blow built to 6 inches in bucket of water  
 2ND Shut In 60 Minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2124.45	105.23	Initial Hydro-static
1	44.98	104.91	Open To Flow (1)
29	120.92	104.75	Shut-In(1)
75	1176.72	106.02	End Shut-In(1)
76	124.95	105.80	Open To Flow (2)
105	152.90	106.27	Shut-In(2)
168	1167.71	107.68	End Shut-In(2)
171	2089.68	108.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
240.00	Oil cut Muddy Water	1.73
0.00	Oil 5% Mud 30% Water 65%	0.00
10.00	Clean Oil 100%	0.14
0.00	Recovery Chlorides 24,000 ppm	0.00
0.00	Oil to thick for specific gravity	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Landmark Resources Incorporated  
 1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

**17/17S/34W/Scott**  
**Decker #1-17**  
 Job Ticket: 17525      **DST#: 1**  
 Test Start: 2013.03.14 @ 06:22:00

## GENERAL INFORMATION:

Formation: **Lansing/Kansas City**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:25:30  
 Time Test Ended: 13:30:00

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 3325 Scott City/34

**Interval: 4244.00 ft (KB) To 4270.00 ft (KB) (TVD)**  
 Total Depth: 4270.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 3150.00 ft (KB)  
 3139.00 ft (CF)  
 KB to GR/CF: 11.00 ft

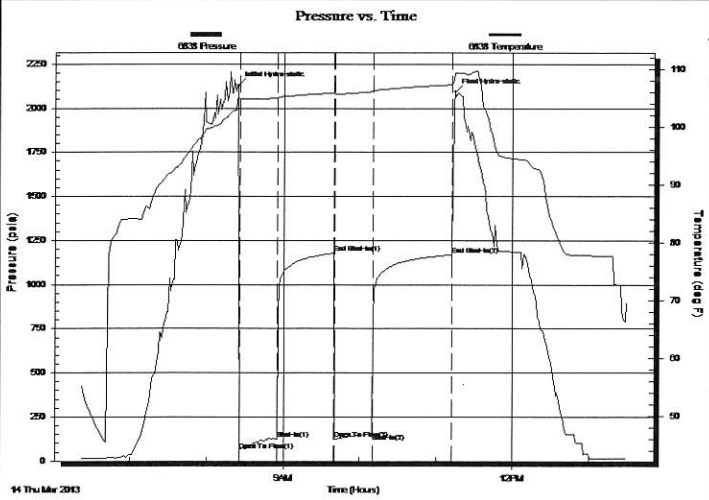
## Serial #: 6838

## Outside

Press @ Run Depth: 1168.56 psia @ 4267.00 ft (KB)  
 Start Date: 2013.03.14 End Date: 2013.03.14  
 Start Time: 06:22:00 End Time: 13:30:00

Capacity: 5000.00 psia  
 Last Calib.: 2013.03.14  
 Time On Btm: 2013.03.14 @ 08:24:30  
 Time Off Btm: 2013.03.14 @ 11:14:30

**TEST COMMENT:** 1ST Open 30 Minutes/Fair blow/Blow built to 8 1/2 inches in bucket of water  
 1ST Shut In 45 Minutes/No blow back  
 2ND Open 30 Minutes/Fair blow/Blow built to 6 inches in bucket of water  
 2ND Shut In 60 Minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2126.05	104.93	Initial Hydro-static
1	60.70	104.72	Open To Flow (1)
31	124.03	104.92	Shut-In(1)
75	1177.62	105.84	End Shut-In(1)
76	126.38	105.68	Open To Flow (2)
106	156.07	106.05	Shut-In(2)
168	1168.56	107.24	End Shut-In(2)
170	2091.31	109.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
240.00	Oil cut Muddy Water	1.73
0.00	Oil 5% Mud 30% Water 65%	0.00
10.00	Clean Oil 100%	0.14
0.00	Recovery Chlorides 24,000 ppm	0.00
0.00	Oil to thick for specific gravity	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

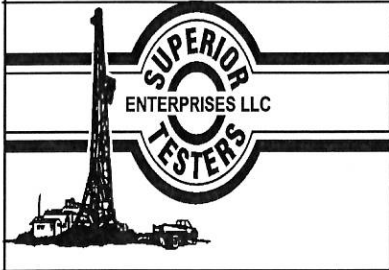
Landmark Resources Incorporated  
 1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

**17/17S/34W/Scott**  
**Decker #1-17**  
 Job Ticket: 17525      **DST#: 1**  
 Test Start: 2013.03.14 @ 06:22:00

## Tool Information

Drill Pipe:	Length: 4042.00 ft	Diameter: 3.80 inches	Volume: 56.70 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: 20000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4244.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4222.00	
Hydraulic Tool	5.00			4227.00	
Jars	5.00			4232.00	
Safety Joint	2.00			4234.00	
Packer	5.00			4239.00	27.00      Bottom Of Top Packer
Packer	5.00			4244.00	
Anchor	21.00			4265.00	
Recorder	1.00	6749	Inside	4266.00	
Recorder	1.00	6838	Outside	4267.00	
Bullnose	3.00			4270.00	26.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>53.00</b>				



# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Incorporated

**17/17S/34W/Scott**

1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

**Decker #1-17**

Job Ticket: 17525

**DST#: 1**

Test Start: 2013.03.14 @ 06:22:00

## Mud and Cushion Information

Mud Type: Gel Chem  
 Mud Weight: 9.00 lb/gal  
 Viscosity: 52.00 sec/qt  
 Water Loss: 8.00 in<sup>3</sup>  
 Resistivity: ohm.m  
 Salinity: 5000.00 ppm  
 Filter Cake: 1.00 inches

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

Oil API: deg API  
 Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	Oil cut Muddy Water	1.727
0.00	Oil 5% Mud 30% Water 65%	0.000
10.00	Clean Oil 100%	0.140
0.00	Recovery Chlorides 24,000 ppm	0.000
0.00	Oil to thick for specific gravity	0.000

Total Length: 250.00 ft      Total Volume: 1.867 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 6749

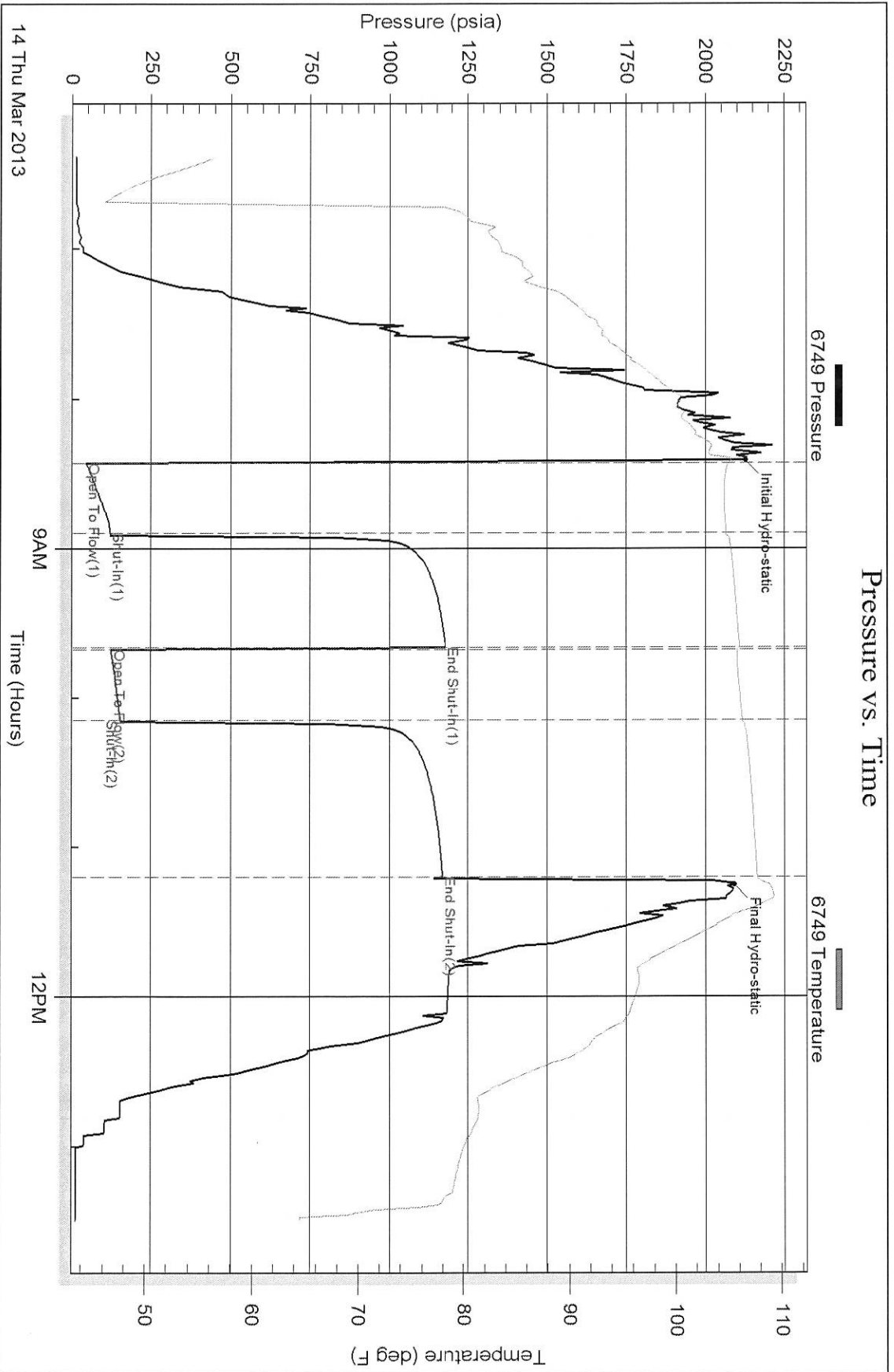
Inside

Landmark Resources Incorporated

Decker #1-17

DST Test Number: 1

### Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17525

Printed: 2013.03.14 @ 13:49:53

Serial #: 6838

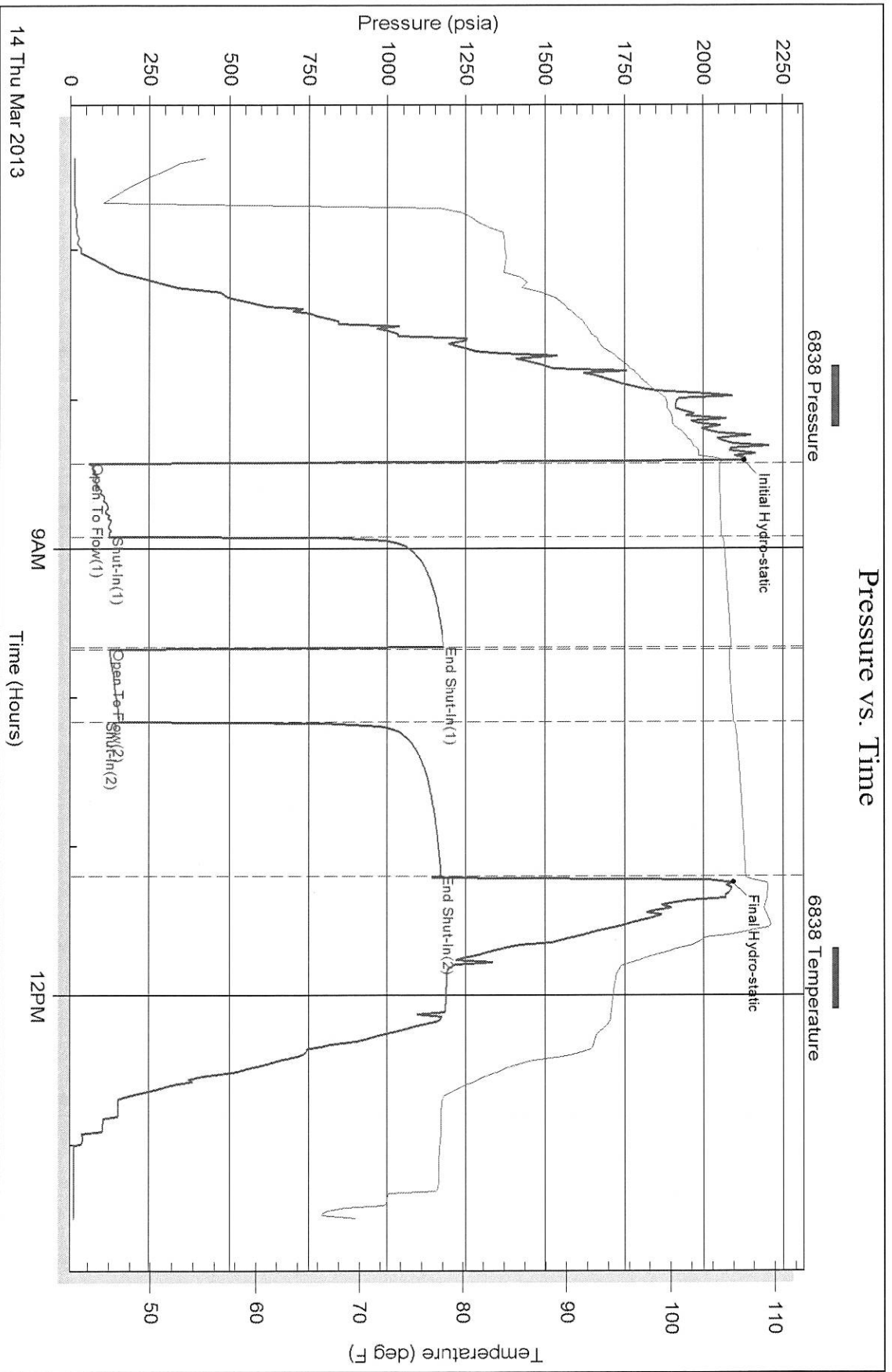
Outside

Landmark Resources Incorporated

Decker #1-17

DST Test Number: 1

### Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17525

Printed: 2013.03.14 @ 13:49:53





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Incorporated**

1616 South Voss Road  
Suite 600  
Houston, Texas 77057+2641

ATTN: Wes Hansen

### **Decker #1-17**

### **17/17S/34W/Scott**

Start Date: 2013.03.16 @ 09:24:00

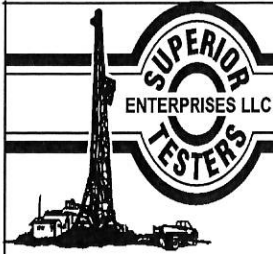
End Date: 2013.03.16 @ 19:16:30

Job Ticket #: 17477                      DST #: 3

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2013.03.16 @ 20:06:56

Landmark Resources Incorporated  
17/17S/34W/Scott  
Decker #1-17  
DST # 3  
Marmaton  
2013.03.16



# DRILL STEM TEST REPORT

Landmark Resources Incorporated  
 1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

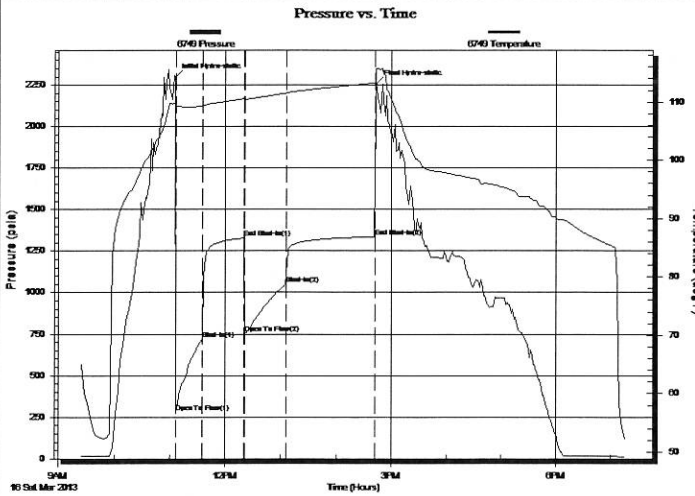
**17/17S/34W/Scott**  
**Decker #1-17**  
 Job Ticket: 17477      **DST#: 3**  
 Test Start: 2013.03.16 @ 09:24:00

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:06:00  
 Time Test Ended: 19:16:30  
 Interval: **4440.00 ft (KB) To 4530.00 ft (KB) (TVD)**  
 Total Depth: 4530.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Sw inny  
 Unit No: 3325 Scott City/34  
 Reference Elevations: 3150.00 ft (KB)  
 3139.00 ft (CF)  
 KB to GRVCF: 11.00 ft

**Serial #: 6749      Inside**  
 Press @ RunDepth: 1049.25 psia @ 4526.19 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2013.03.16      End Date: 2013.03.16      Last Calib.: 2013.03.16  
 Start Time: 09:24:00      End Time: 19:16:30      Time On Btm: 2013.03.16 @ 11:05:00  
 Time Off Btm: 2013.03.16 @ 14:43:30

**TEST COMMENT:** 1ST Open 30 Minutes/Strong blow /Blow built to bottom of bucket in 1 minute 45 seconds  
 1ST Shut In 45 Minutes/Blow back built to 10 inches  
 2ND Open 45 Minutes/Strong blow /Blow built to bottom of bucket in 2 minutes  
 2ND Shut In 90 Minutes/Blow back built to 10 inches



## PRESSURE SUMMARY

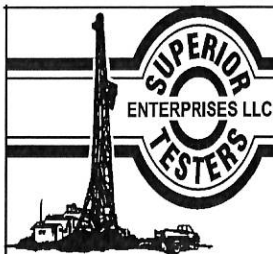
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2298.13	109.75	Initial Hydro-static
1	280.39	109.23	Open To Flow (1)
31	717.58	109.32	Shut-In(1)
76	1327.37	110.56	End Shut-In(1)
77	753.95	110.45	Open To Flow (2)
121	1049.25	111.49	Shut-In(2)
217	1335.62	113.25	End Shut-In(2)
219	2255.85	115.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	882 feet of gas in pipe/ Gas 100%	0.00
378.00	Mud cut gassy oil	3.66
0.00	Mud 10% Gas 20%	0.00
0.00	Oil 55% Emulsified oil 15%	0.00
2520.00	Mud cut gassy oil	35.35
0.00	Mud 5% Gas 20% Oil 75%	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Landmark Resources Incorporated

17/17S/34W/Scott

1616 South Voss Road  
Suite 600  
Houston, Texas 77057+2641  
ATTN: Wes Hansen

Decker #1-17

Job Ticket: 17477

DST#: 3

Test Start: 2013.03.16 @ 09:24:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:06:00

Time Test Ended: 19:16:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/34

Interval: **4440.00 ft (KB) To 4530.00 ft (KB) (TVD)**

Total Depth: 4530.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 3150.00 ft (KB)

3139.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **6838**

Outside

Press @ Run Depth: 1336.39 psia @ 4527.19 ft (KB)

Start Date: 2013.03.16

End Date: 2013.03.16

Start Time: 09:24:00

End Time: 19:17:00

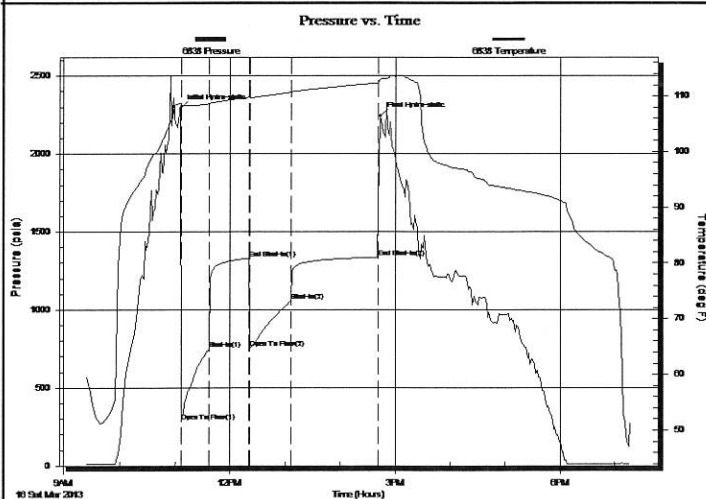
Capacity: 5000.00 psia

Last Calib.: 2013.03.16

Time On Btm: 2013.03.16 @ 11:05:30

Time Off Btm: 2013.03.16 @ 14:44:00

TEST COMMENT: 1ST Open 30 Minutes/Strong blow /Blow built to bottom of bucket in 1 minute 45 seconds  
1ST Shut In 45 Minutes/Blow back built to 10 inches  
2ND Open 45 Minutes/Strong blow /Blow built to bottom of bucket in 2 minutes  
2ND Shut In 90 Minutes/Blow back built to 10 inches



## PRESSURE SUMMARY

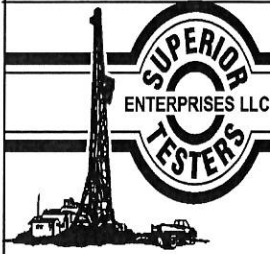
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2292.18	108.73	Initial Hydro-static
1	284.96	108.37	Open To Flow (1)
32	745.88	108.57	Shut-In(1)
75	1329.36	109.79	End Shut-In(1)
77	753.43	109.68	Open To Flow (2)
121	1054.38	110.68	Shut-In(2)
216	1336.39	112.33	End Shut-In(2)
219	2242.47	113.03	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	882 feet of gas in pipe/ Gas 100%	0.00
378.00	Mud cut gassy oil	3.66
0.00	Mud 10% Gas 20%	0.00
0.00	Oil 55% Emulcified oil 15%	0.00
2520.00	Mud cut gassy oil	35.35
0.00	Mud 5% Gas 20% Oil 75%	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Incorporated  
 1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

**17/17S/34W/Scott**  
**Decker #1-17**  
 Job Ticket: 17477      **DST#: 3**  
 Test Start: 2013.03.16 @ 09:24:00

**Tool Information**

Drill Pipe:	Length: 4262.00 ft	Diameter: 3.80 inches	Volume: 59.78 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: 20000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 60.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4440.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.19 ft			
Tool Length:	117.19 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4418.00	
Hydraulic Tool	5.00			4423.00	
Jars	5.00			4428.00	
Safety Joint	2.00			4430.00	
Packer	5.00			4435.00	27.00      Bottom Of Top Packer
Packer	5.00			4440.00	
Perforations	5.00			4445.00	
Change Over Sub	0.75			4445.75	
Drill Pipe	63.69			4509.44	
Change Over Sub	0.75			4510.19	
Anchor	15.00			4525.19	
Recorder	1.00	6749	Inside	4526.19	
Recorder	1.00	6838	Outside	4527.19	
Bullnose	3.00			4530.19	90.19      Bottom Packers & Anchor

**Total Tool Length: 117.19**



# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Incorporated  
 1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

**17/17S/34W/Scott**  
**Decker #1-17**  
 Job Ticket: 17477      **DST#: 3**  
 Test Start: 2013.03.16 @ 09:24:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 10000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	882 feet of gas in pipe/ Gas 100%	0.000
378.00	Mud cut gassy oil	3.663
0.00	Mud 10% Gas 20%	0.000
0.00	Oil 55% Emulcified oil 15%	0.000
2520.00	Mud cut gassy oil	35.349
0.00	Mud 5% Gas 20% Oil 75%	0.000
0.00	Corrected spec. grav oil 27	0.000

Total Length: 2898.00 ft      Total Volume: 39.012 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 6749

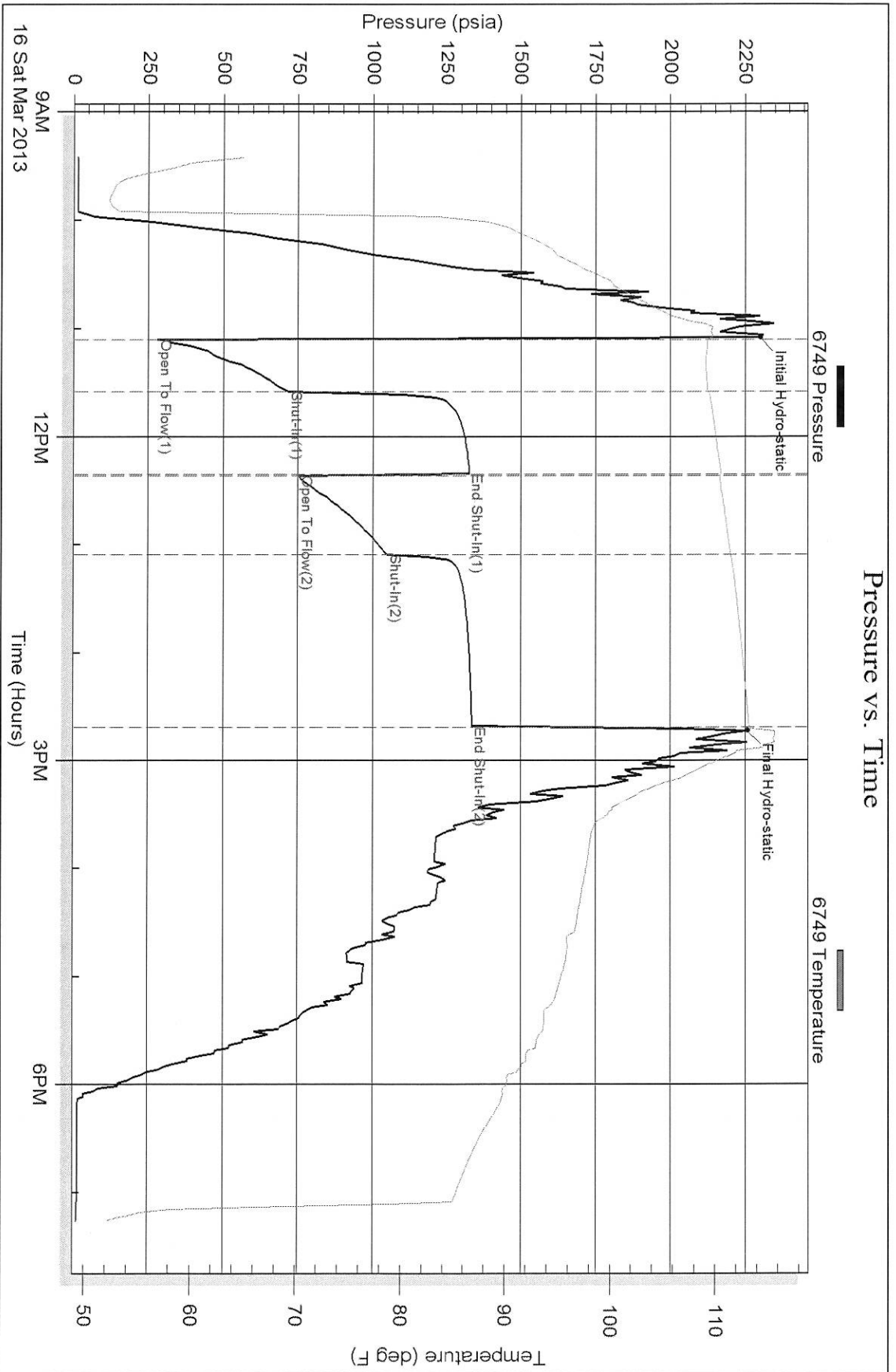
Inside

Landmark Resources Incorporated

Decker #1-17

DST Test Number: 3

### Pressure vs. Time

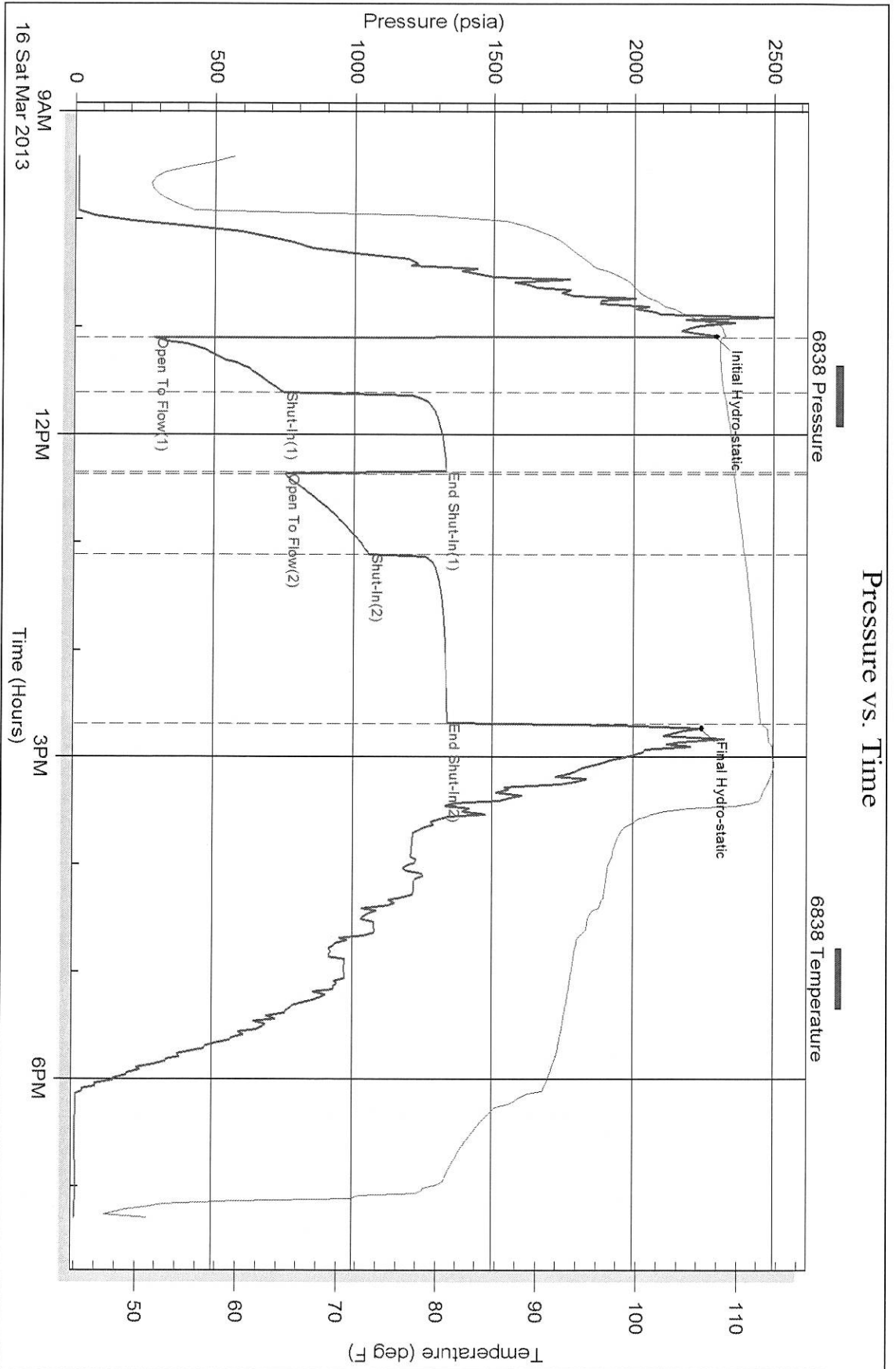


Serial #: 6838

Outside Landmark Resources Incorporated

Decker #1-17

DST Test Number: 3



Superior Testers Enterprises LLC

Ref. No: 17477

Printed: 2013.03.16 @ 20:06:57



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Incorporated**

1616 South Voss Road  
Suite 600  
Houston, Texas 77057+2641

ATTN: Wes Hansen

**Decker #1-17**

**17/17S/34W/Scott**

Start Date: 2013.03.17 @ 07:57:00

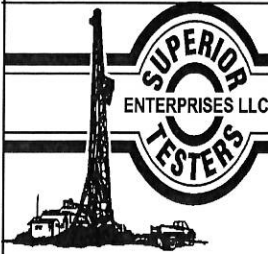
End Date: 2013.03.17 @ 16:10:00

Job Ticket #: 17478                      DST #: 4

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2013.03.17 @ 16:27:01





# DRILL STEM TEST REPORT

Landmark Resources Incorporated

17/17S/34W/Scott

1616 South Voss Road  
Suite 600  
Houston, Texas 77057+2641  
ATTN: Wes Hansen

Decker #1-17

Job Ticket: 17478

DST#: 4

Test Start: 2013.03.17 @ 07:57:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:30

Time Test Ended: 16:10:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/34

Interval: **4528.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4580.00 ft (KB) (TVD)

3139.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: **6749**

Inside

Press @ RunDepth: 417.09 psia @ 4576.21 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.03.17

End Date: 2013.03.17

Last Calib.: 2013.03.17

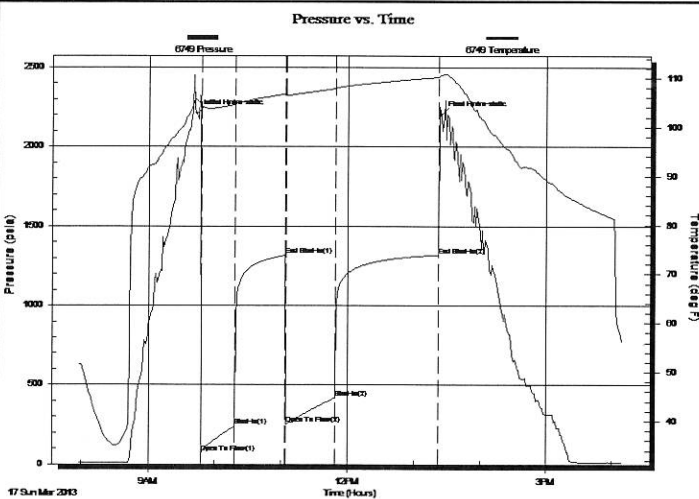
Start Time: 07:57:00

End Time: 16:10:00

Time On Btm: 2013.03.17 @ 09:43:30

Time Off Btm: 2013.03.17 @ 13:24:00

TEST COMMENT: 1ST Open 30 Minutes/Strong blow /Blow built to bottom of bucket in 3 minutes 45 seconds  
1ST Shut In 45 Minutes/Blow back built to 11 inches  
2ND Open 45 Minutes/Strong blow /Blow built to bottom of bucket in 7 minutes 30 seconds  
2ND Shut In 90 Minutes/Blow back built to bottom of bucket in 58 minutes



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2210.88	105.42	Initial Hydro-static
6	73.57	104.08	Open To Flow (1)
35	238.70	104.53	Shut-In(1)
80	1313.99	106.71	End Shut-In(1)
81	251.57	106.48	Open To Flow (2)
125	417.09	107.80	Shut-In(2)
218	1318.25	110.19	End Shut-In(2)
221	2202.79	110.61	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	Muddy Emulsified Oil	0.30
0.00	Mud 40% Emulsified Oil 60%	0.00
930.00	Slightly Mud cut Gassy Oil	11.95
0.00	Mud 5% Gas 15% 80%	0.00
0.00	1134 feet of gas in pipe/Gas 100%	0.00
0.00	Corrected Spec. Grav. Oil 30	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Landmark Resources Incorporated

17/17S/34W/Scott

1616 South Voss Road  
Suite 600  
Houston, Texas 77057+2641  
ATTN: Wes Hansen

Decker #1-17

Job Ticket: 17478

DST#: 4

Test Start: 2013.03.17 @ 07:57:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:30

Time Test Ended: 16:10:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/34

Interval: **4528.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4580.00 ft (KB) (TVD)

3139.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: **6838** Outside

Press @ RunDepth: 1318.79 psia @ 4577.21 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.03.17

End Date: 2013.03.17

Last Calib.: 2013.03.17

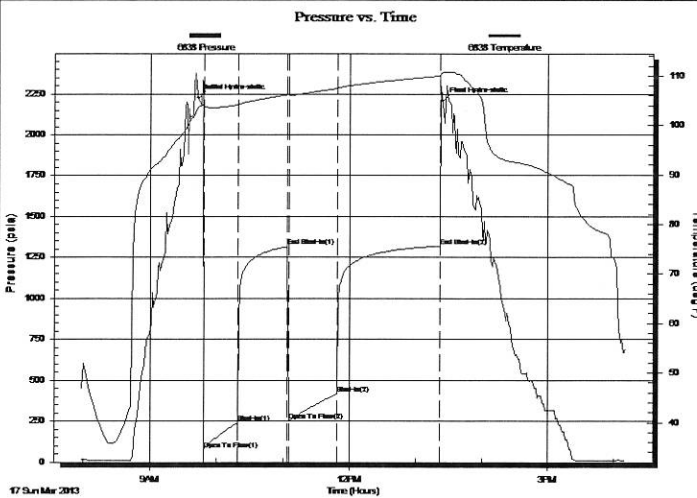
Start Time: 07:57:00

End Time: 16:10:30

Time On Btm: 2013.03.17 @ 09:43:00

Time Off Btm: 2013.03.17 @ 13:24:00

TEST COMMENT: 1ST Open 30 Minutes/Strong blow/Blow built to bottom of bucket in 3 minutes 45 seconds  
1ST Shut In 45 Minutes/Blow back built to 11 inches  
2ND Open 45 Minutes/Strong blow/Blow built to bottom of bucket in 7 minutes 30 seconds  
2ND Shut In 90 Minutes/Blow back built to bottom of bucket in 58 minutes



## PRESSURE SUMMARY

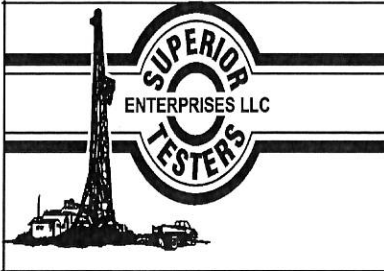
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2226.37	103.74	Initial Hydro-static
6	75.03	103.53	Open To Flow (1)
36	238.87	104.10	Shut-In(1)
81	1314.62	106.20	End Shut-In(1)
82	251.52	106.03	Open To Flow (2)
126	417.70	107.44	Shut-In(2)
219	1318.79	109.97	End Shut-In(2)
221	2207.15	110.65	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	Muddy Emulsified Oil	0.30
0.00	Mud 40% Emulsified Oil 60%	0.00
930.00	Slightly Mud cut Gassy Oil	11.95
0.00	Mud 5% Gas 15% 80%	0.00
0.00	1134 feet of gas in pipe/Gas 100%	0.00
0.00	Corrected Spec. Grav. Oil 30	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources Incorporated

17/17S/34W/Scott

1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

Decker #1-17

Job Ticket: 17478

DST#: 4

Test Start: 2013.03.17 @ 07:57:00

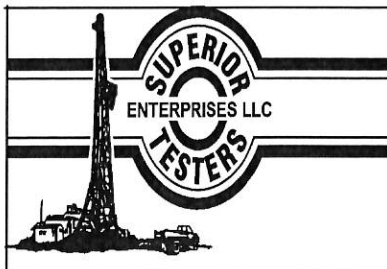
## Tool Information

Drill Pipe:	Length: 4326.00 ft	Diameter: 3.80 inches	Volume: 60.68 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: 20000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4528.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.21 ft			
Tool Length:	79.21 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4506.00	
Hydraulic Tool	5.00			4511.00	
Jars	5.00			4516.00	
Safety Joint	2.00			4518.00	
Packer	5.00			4523.00	27.00 Bottom Of Top Packer
Packer	5.00			4528.00	
Perforations	5.00			4533.00	
Change Over Sub	0.75			4533.75	
Drill Pipe	31.71			4565.46	
Change Over Sub	0.75			4566.21	
Anchor	9.00			4575.21	
Recorder	1.00	6749	Inside	4576.21	
Recorder	1.00	6838	Outside	4577.21	
Bullnose	3.00			4580.21	52.21 Bottom Packers & Anchor

**Total Tool Length: 79.21**



# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Incorporated  
 1616 South Voss Road  
 Suite 600  
 Houston, Texas 77057+2641  
 ATTN: Wes Hansen

**17/17S/34W/Scott**  
**Decker #1-17**  
 Job Ticket: 17478      **DST#: 4**  
 Test Start: 2013.03.17 @ 07:57:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 7200.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Muddy Emulsified Oil	0.295
0.00	Mud 40% Emulsified Oil 60%	0.000
930.00	Slightly Mud cut Gassy Oil	11.952
0.00	Mud 5% Gas 15% 80%	0.000
0.00	1134 feet of gas in pipe/Gas 100%	0.000
0.00	Corrected Spec. Grav. Oil 30	0.000

Total Length: 990.00 ft      Total Volume: 12.247 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

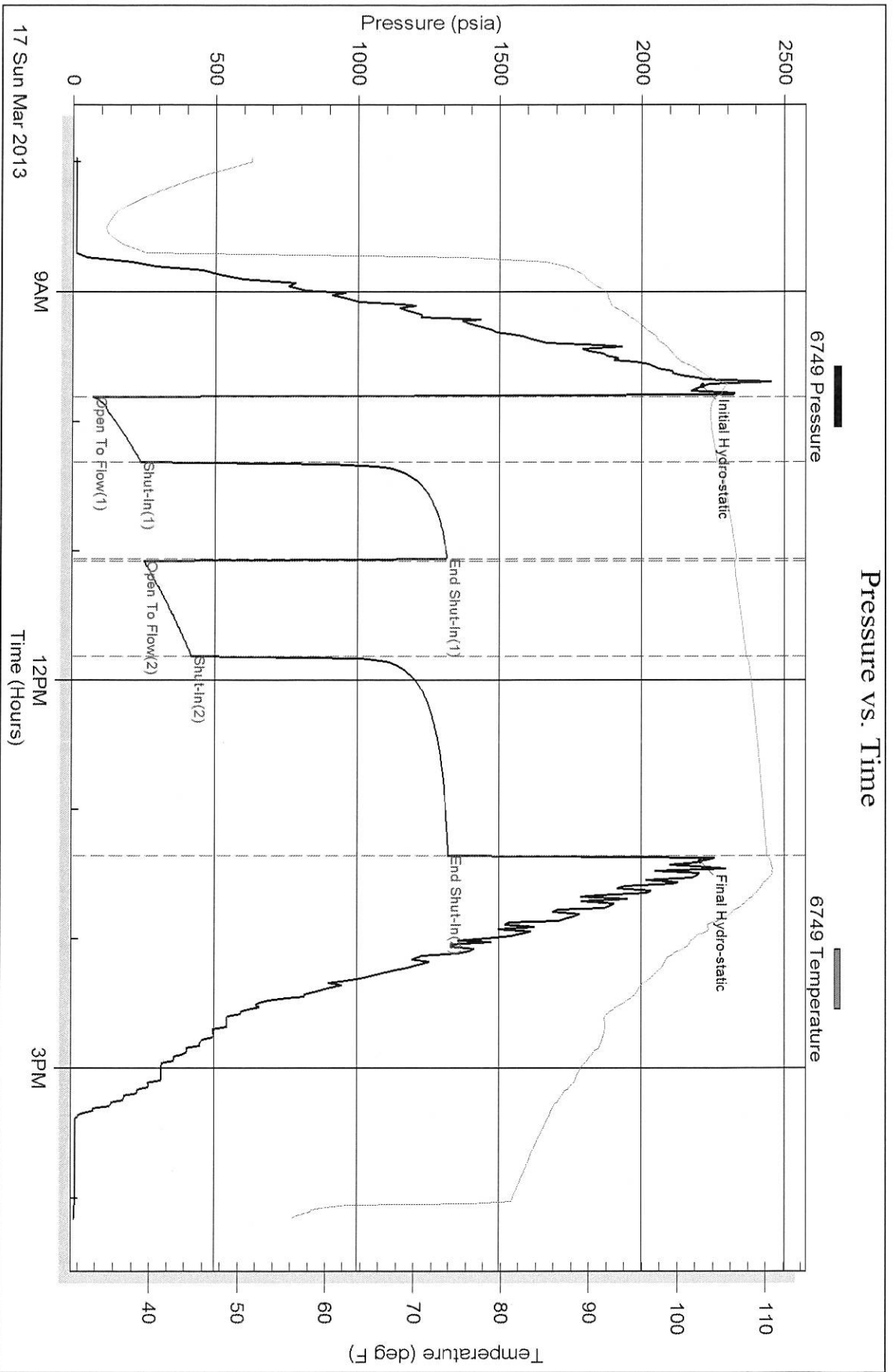
Serial #: 6749

Inside

Landmark Resources Incorporated

Decker #1-17

DST Test Number: 4



Serial #: 6838

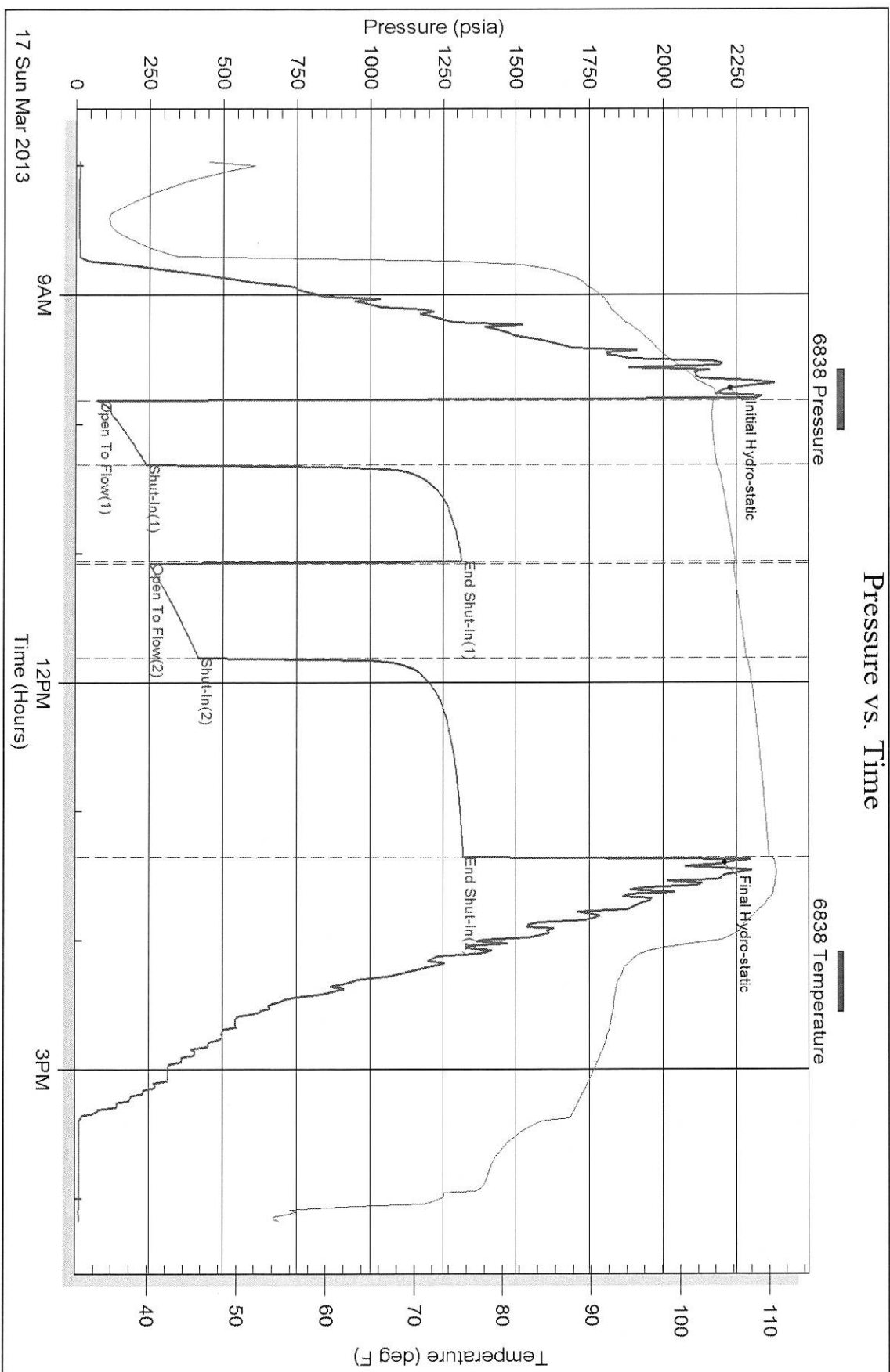
Outside

Landmark Resources Incorporated

Decker #1-17

DST Test Number: 4

### Pressure vs. Time



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

July 25, 2013

Jeff Wood  
Landmark Resources, Inc.  
1616 S VOSS RD STE 600  
HOUSTON, TX 77057-2641

Re: ACO1  
API 15-171-20935-00-00  
Decker 1-17  
NE/4 Sec.17-17S-34W  
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Jeff Wood