

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs 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
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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				

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	GOUGH 1-8
Doc ID	1400813

All Electric Logs Run

Microresistivity
Dual Comp Porosity
Dual Induction
Borehole Compensated Sonic
Gamma Ray / Caliper

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	GOUGH 1-8
Doc ID	1400813

Tops

Name	Top	Datum
Anhydrite	2412	675
B/Anhydrite	2436	656
Topeka	3738	-646
Heebner	3977	-885
Toronto	3994	-902
Lansing	4019	-25
C	4057	-962
D	4076	-977
E	4118	-1024
F	4133	-1036
G	4157	-1059
Muncie Creek	4204	-1112
H	4214	-1123
I	4253	-1161
J	4280	-1187
Stark Shale	4300	-1208
K	4312	-1224
L	4356	-1263
BKC	4384	-1293
Marmaton	4434	-1342
Altamont	4463	-1372
Pawnee	4514	-1426
Myrick Station	4559	-1464
Fort Scott	4569	-1478

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	GOUGH 1-8
Doc ID	1400813

Tops

Name	Top	Datum
Cherokee	4598	-1507
Johnson	4643	-1550
Morrow Shale	4714	-1622
Up Morrow Sand	4742	-1659
Missippian	4766	-1676



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, LLC**

4900 Woodway Dr Ste 880
Houston, TX 77056

ATTN: Terry McLeod

Gough #1-8

8 -17s-33w Scott,KS

Start Date: 2017.12.31 @ 15:35:00

End Date: 2018.01.01 @ 02:14:00

Job Ticket #: 64384 DST #: 1

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

Printed: 2018.01.05 @ 10:13:25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Landmark Resources, LLC
4900 Woodway Dr Ste 880
Houston, TX 77056
ATTN: Terry McLeod

8 -17s-33w Scott,KS

Gough #1-8

Job Ticket: 64384

DST#: 1

Test Start: 2017.12.31 @ 15:35:00

GENERAL INFORMATION:

Formation: **Marmaton - Upper Alt**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:00:00

Time Test Ended: 02:14:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: **4406.00 ft (KB) To 4471.00 ft (KB) (TVD)**

Total Depth: 4471.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3087.00 ft (KB)

3082.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8845

Outside

Press@RunDepth: 24.27 psig @ 4407.00 ft (KB)

Start Date: 2017.12.31

End Date:

2018.01.01

Start Time: 15:35:05

End Time:

02:14:00

Capacity: 8000.00 psig

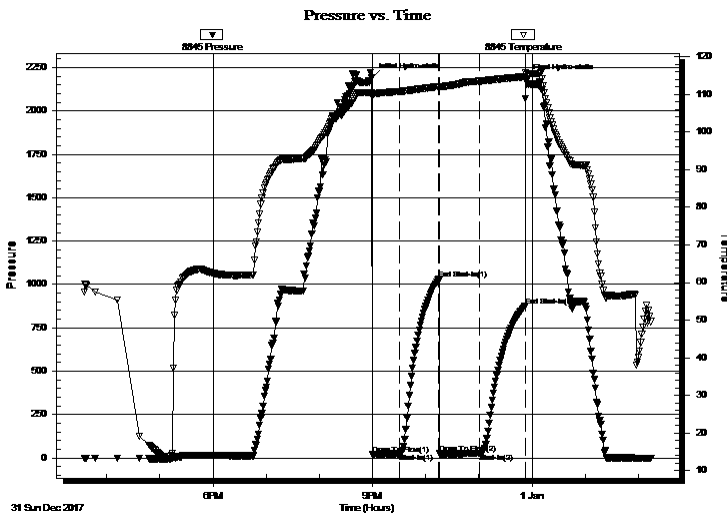
Last Calib.: 2018.01.01

Time On Btm: 2017.12.31 @ 20:59:30

Time Off Btm: 2017.12.31 @ 23:53:45

TEST COMMENT: IF: 1/2" blow.
IS: No return.
FF: No Blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2190.27	110.48	Initial Hydro-static
1	22.39	109.48	Open To Flow (1)
32	23.36	110.74	Shut-In(1)
76	1030.99	112.06	End Shut-In(1)
77	23.65	111.87	Open To Flow (2)
121	24.27	113.50	Shut-In(2)
173	876.81	114.70	End Shut-In(2)
175	2184.71	115.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100m (oil spots in tool)	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources, LLC

8 -17s-33w Scott,KS

4900 Woodway Dr Ste 880
Houston, TX 77056

Gough #1-8

Job Ticket: 64384

DST#: 1

ATTN: Terry McLeod

Test Start: 2017.12.31 @ 15:35:00

Tool Information

Drill Pipe:	Length: 4406.00 ft	Diameter: 3.80 inches	Volume: 61.80 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 61.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4406.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	97.00 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			4375.00	
Shut In Tool	5.00			4380.00	
Hydraulic tool	5.00			4385.00	
Jars	5.00			4390.00	
EM	5.00			4395.00	
Safety Joint	2.00			4397.00	
Packer	5.00			4402.00	32.00 Bottom Of Top Packer
Packer	4.00			4406.00	
Stubb	1.00			4407.00	
Recorder	0.00	8365	Inside	4407.00	
Recorder	0.00	8845	Outside	4407.00	
Perforations	28.00			4435.00	
Change Over Sub	1.00			4436.00	
Drill Pipe	31.00			4467.00	
Change Over Sub	1.00			4468.00	
Bullnose	3.00			4471.00	65.00 Bottom Packers & Anchor
Total Tool Length:	97.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, LLC

8 -17s-33w Scott,KS

4900 Woodway Dr Ste 880
Houston, TX 77056

Gough #1-8

Job Ticket: 64384

DST#: 1

ATTN: Terry McLeod

Test Start: 2017.12.31 @ 15:35:00

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: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100m (oil spots in tool)	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

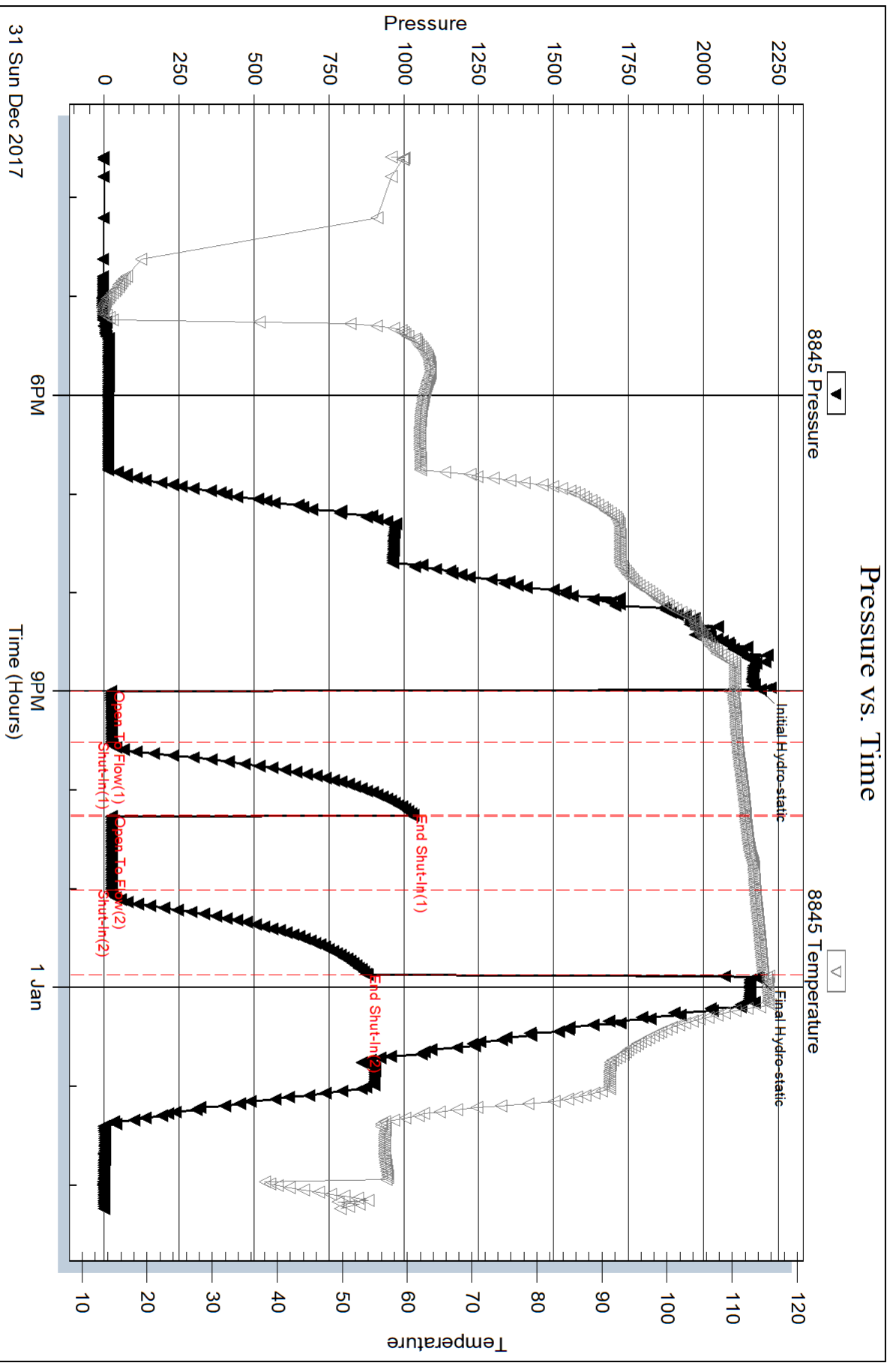
Num Gas Bombs: 0

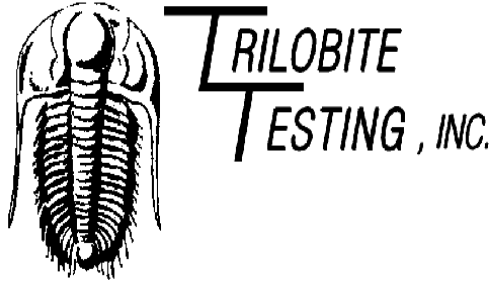
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, LLC**

4900 Woodway Dr Ste 880
Houston, TX 77056

ATTN: Terry McLeod

Gough #1-8

8 -17s-33w Scott,KS

Start Date: 2018.01.01 @ 14:47:00

End Date: 2018.01.01 @ 23:16:30

Job Ticket #: 64385 DST #: 2

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

Printed: 2018.01.05 @ 10:08:34



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Landmark Resources, LLC
4900 Woodway Dr Ste 880
Houston, TX 77056
ATTN: Terry McLeod

8 -17s-33w Scott,KS
Gough #1-8
Job Ticket: 64385 **DST#: 2**
Test Start: 2018.01.01 @ 14:47:00

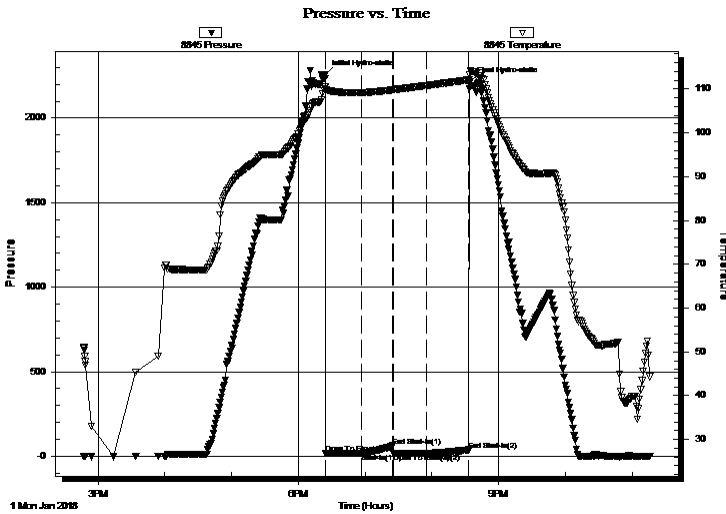
GENERAL INFORMATION:

Formation: **Lower Altamont**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:24:45
Time Test Ended: 23:16:30
Interval: **4487.00 ft (KB) To 4510.00 ft (KB) (TVD)**
Total Depth: 4510.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 3087.00 ft (KB)
3082.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 78

Serial #: 8845 Outside
Press@RunDepth: 16.78 psig @ 4488.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.01.01 End Date: 2018.01.01 Last Calib.: 2018.01.01
Start Time: 14:47:05 End Time: 23:16:29 Time On Btm: 2018.01.01 @ 18:24:15
Time Off Btm: 2018.01.01 @ 20:34:30

TEST COMMENT: IF: 1 1/2" blow .
IS: No return.
FF: Surface blow .
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2256.01	110.47	Initial Hydro-static
1	16.29	109.79	Open To Flow (1)
33	17.49	109.18	Shut-In(1)
61	61.50	109.82	End Shut-In(1)
62	17.90	109.84	Open To Flow (2)
91	16.78	110.80	Shut-In(2)
129	36.97	112.09	End Shut-In(2)
131	2215.29	114.26	Final Hydro-static

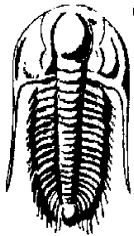
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100m	0.07
0.00	puddle of oil on top	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, LLC

8 -17s-33w Scott,KS

4900 Woodway Dr Ste 880
Houston, TX 77056

Gough #1-8

Job Ticket: 64385

DST#: 2

ATTN: Terry McLeod

Test Start: 2018.01.01 @ 14:47:00

GENERAL INFORMATION:

Formation: **Lower Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:24:45

Time Test Ended: 23:16:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4487.00 ft (KB) To 4510.00 ft (KB) (TVD)**

Reference Elevations: 3087.00 ft (KB)

Total Depth: 4510.00 ft (KB) (TVD)

3082.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8522 Inside

Press@RunDepth: psig @ 4488.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.01.01

End Date: 2018.01.01

Last Calib.: 1899.12.30

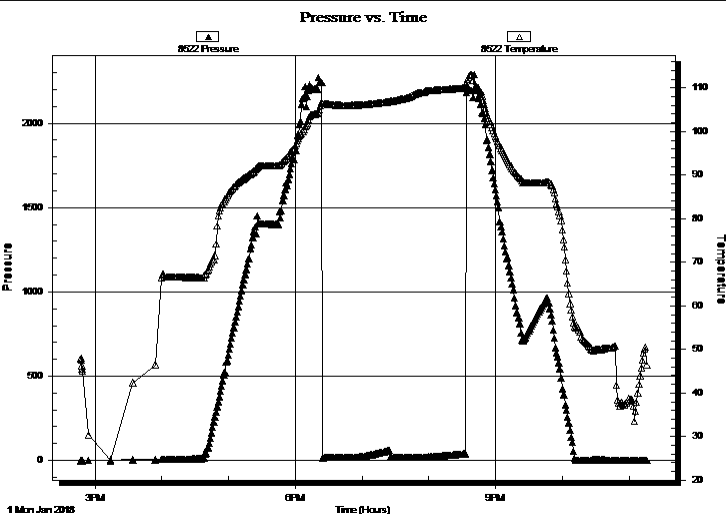
Start Time: 14:47:05

End Time: 23:16:29

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1 1/2" blow.
IS: No return.
FF: Surface blow.
FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100m	0.07
0.00	puddle of oil on top	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, LLC

8 -17s-33w Scott,KS

4900 Woodway Dr Ste 880
Houston, TX 77056

Gough #1-8

Job Ticket: 64385

DST#: 2

ATTN: Terry McLeod

Test Start: 2018.01.01 @ 14:47:00

Tool Information

Drill Pipe:	Length: 4467.00 ft	Diameter: 3.80 inches	Volume: 62.66 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 62.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4487.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	50.00 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			4461.00	
Shut In Tool	5.00			4466.00	
Hydraulic tool	5.00			4471.00	
EM	5.00			4476.00	
Safety Joint	2.00			4478.00	
Packer	5.00			4483.00	27.00 Bottom Of Top Packer
Packer	4.00			4487.00	
Stubb	1.00			4488.00	
Recorder	0.00	8522	Inside	4488.00	
Recorder	0.00	8845	Outside	4488.00	
Perforations	19.00			4507.00	
Bullnose	3.00			4510.00	23.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, LLC

8 -17s-33w Scott,KS

4900 Woodway Dr Ste 880
Houston, TX 77056

Gough #1-8

Job Ticket: 64385

DST#: 2

ATTN: Terry McLeod

Test Start: 2018.01.01 @ 14:47:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	mud 100m	0.070
0.00	puddle of oil on top	0.000

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

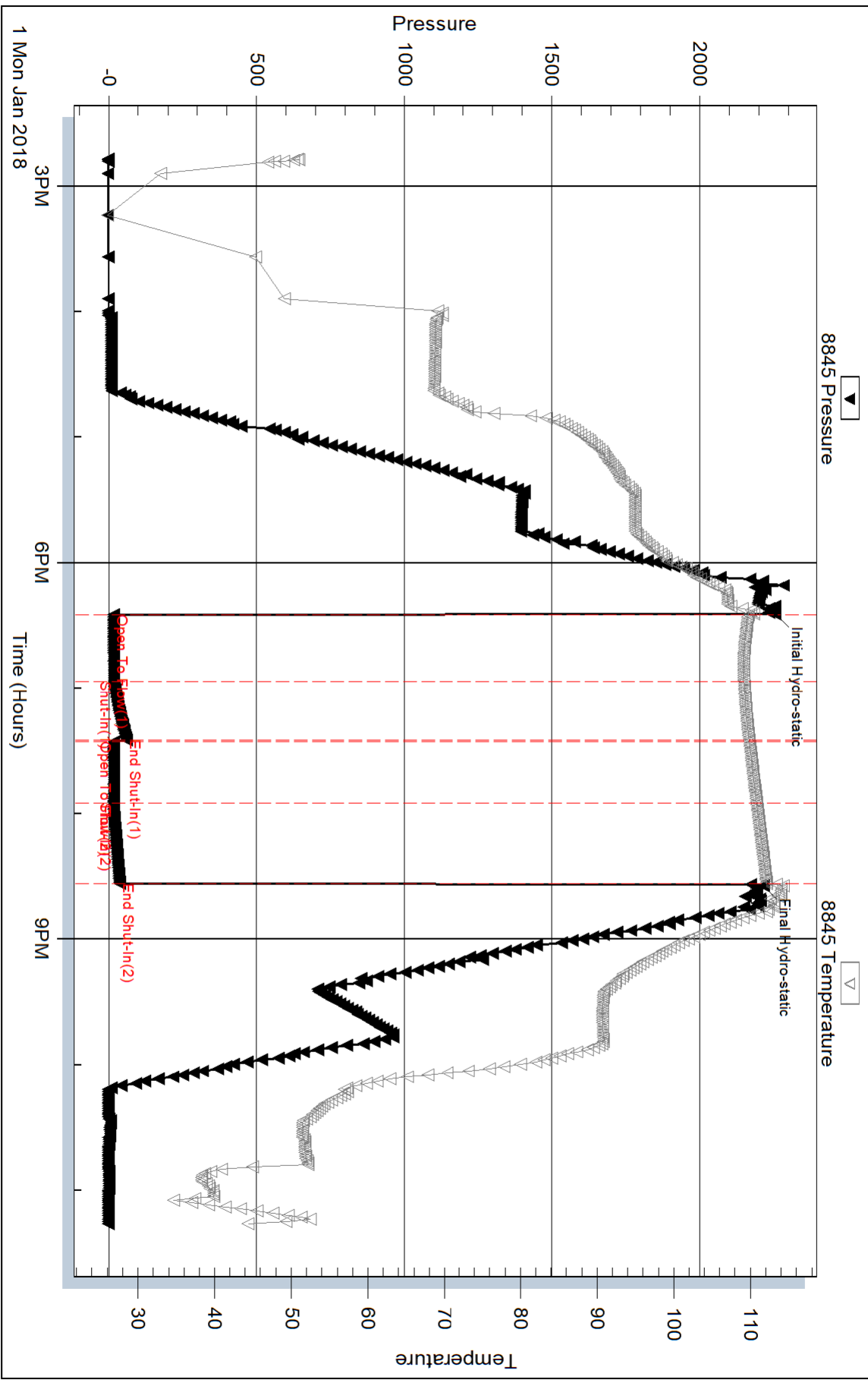
Serial #: 8845

Outside Landmark Resources, LLC

Gough #1-8

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 64385

Printed: 2018.01.05 @ 10:08:35

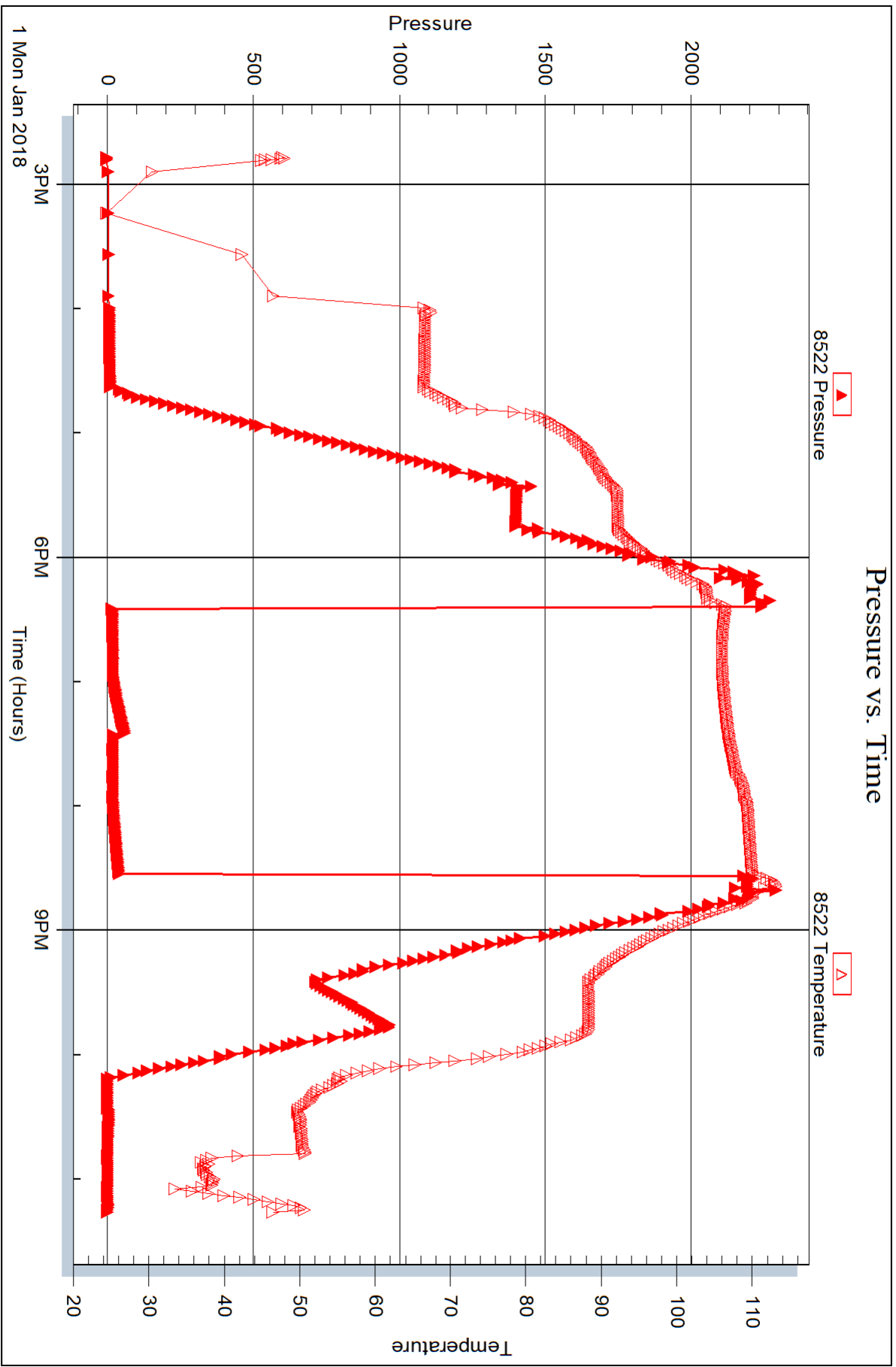
Serial #: 8522

Inside

Landmark Resources, LLC

Gough #1-8

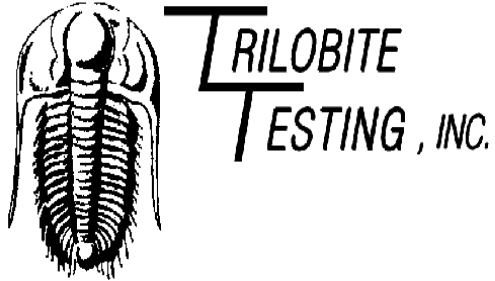
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 64385

Printed: 2018.01.05 @ 10:08:35



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, LLC**

4900 Woodway Dr Ste 880
Houston, TX 77056

ATTN: Terry McLeod

Gough #1-8

8 -17s-33w Scott,KS

Start Date: 2018.01.03 @ 18:02:00

End Date: 2018.01.04 @ 02:30:15

Job Ticket #: 64386 DST #: 3

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

Printed: 2018.01.05 @ 10:04:14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Landmark Resources, LLC
4900 Woodway Dr Ste 880
Houston, TX 77056
ATTN: Terry McLeod

8 -17s-33w Scott,KS

Gough #1-8

Job Ticket: 64386

DST#: 3

Test Start: 2018.01.03 @ 18:02:00

GENERAL INFORMATION:

Formation: **Altamont - Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:12:30

Time Test Ended: 02:30:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4440.00 ft (KB) To 4583.00 ft (KB) (TVD)**

Reference Elevations: 3087.00 ft (KB)

Total Depth: 4823.00 ft (KB) (TVD)

3082.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8845

Inside

Press@RunDepth: 145.52 psig @ 4441.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.01.03

End Date:

2018.01.04

Last Calib.: 2018.01.04

Start Time: 18:02:05

End Time:

02:30:14

Time On Btm: 2018.01.03 @ 21:11:30

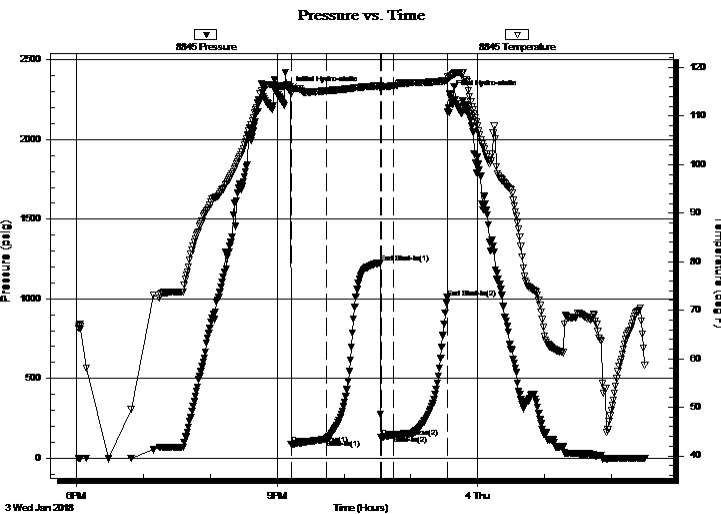
Time Off Btm: 2018.01.03 @ 23:35:00

TEST COMMENT: IF: BOB @ 16 min.

IS: No return.

FF: BOB @ 4 min.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2310.61	116.09	Initial Hydro-static
1	86.61	114.67	Open To Flow (1)
33	119.31	115.23	Shut-In(1)
81	1225.60	116.26	End Shut-In(1)
82	128.75	116.05	Open To Flow (2)
94	145.52	116.26	Shut-In(2)
141	1008.23	117.33	End Shut-In(2)
144	2285.26	117.98	Final Hydro-static

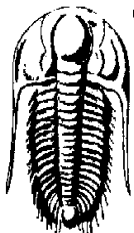
Recovery

Length (ft)	Description	Volume (bbl)
175.00	gsocm 5g 1o 94m	2.45
0.00	350' Gassy Odor	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources, LLC

8 -17s-33w Scott,KS

4900 Woodway Dr Ste 880
Houston, TX 77056

Gough #1-8

Job Ticket: 64386

DST#: 3

ATTN: Terry McLeod

Test Start: 2018.01.03 @ 18:02:00

GENERAL INFORMATION:

Formation: **Altamont - Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:12:30

Time Test Ended: 02:30:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4440.00 ft (KB) To 4583.00 ft (KB) (TVD)

Reference Elevations: 3087.00 ft (KB)

Total Depth: 4823.00 ft (KB) (TVD)

3082.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8522 Outside

Press@RunDepth: psig @ 4441.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.01.03

End Date:

2018.01.04

Last Calib.:

2018.01.04

Start Time: 18:02:05

End Time:

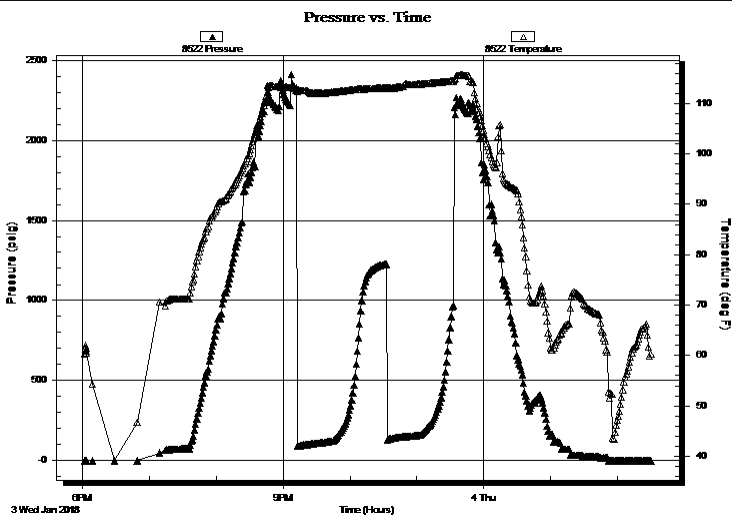
02:30:14

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 16 min.
IS: No return.
FF: BOB @ 4 min.
FS: No return.

PRESSURE SUMMARY



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

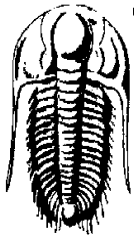
Recovery

Length (ft)	Description	Volume (bbl)
175.00	gsocm 5g 1o 94m	2.45
0.00	350' Gassy Odor	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources, LLC
4900 Woodway Dr Ste 880
Houston, TX 77056
ATTN: Terry McLeod

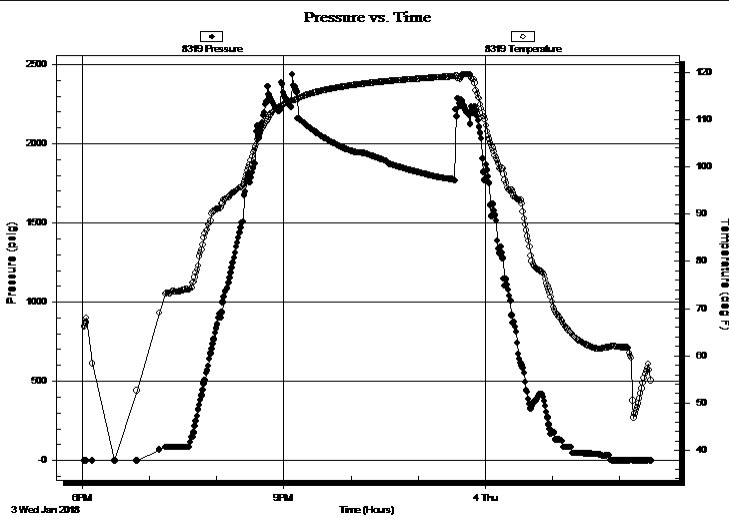
8 -17s-33w Scott,KS
Gough #1-8
Job Ticket: 64386 **DST#: 3**
Test Start: 2018.01.03 @ 18:02:00

GENERAL INFORMATION:

Formation: Altamont - Ft Scott		
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 21:12:30		Tester: Bradley Walter
Time Test Ended: 02:30:15		Unit No: 78
Interval: 4440.00 ft (KB) To 4583.00 ft (KB) (TVD)		Reference Elevations: 3087.00 ft (KB)
Total Depth: 4823.00 ft (KB) (TVD)		3082.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 5.00 ft

Serial #: 8319	Below (Straddle)				
Press@RunDepth:	psig @	4600.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2018.01.03	End Date:	2018.01.04	Last Calib.:	1899.12.30
Start Time:	18:02:05	End Time:	02:28:29	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: BOB @ 16 min.
IS: No return.
FF: BOB @ 4 min.
FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
175.00	gsocm 5g 1o 94m	2.45
0.00	350' Gassy Odor	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, LLC

8 -17s-33w Scott,KS

4900 Woodway Dr Ste 880
Houston, TX 77056

Gough #1-8

Job Ticket: 64386

DST#: 3

ATTN: Terry McLeod

Test Start: 2018.01.03 @ 18:02:00

Tool Information

Drill Pipe:	Length: 4434.00 ft	Diameter: 3.80 inches	Volume: 62.20 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 62.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4440.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	383.00 ft			
Tool Length:	405.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Change Over Sub	1.00			4419.00	
Shut In Tool	5.00			4424.00	
Hydraulic tool	5.00			4429.00	
Safety Joint	2.00			4431.00	
Packer	5.00			4436.00	22.00 Bottom Of Top Packer
Packer	4.00			4440.00	
Stubb	1.00			4441.00	
Recorder	0.00	8845	Inside	4441.00	
Recorder	0.00	8522	Outside	4441.00	
Perforations	5.00			4446.00	
Change Over Sub	1.00			4447.00	
Drill Pipe	124.00			4571.00	
Change Over Sub	1.00			4572.00	
Perforations	7.00			4579.00	
Blank Off Sub	1.00			4580.00	383.00 Tool Interval
Packer	3.00			4583.00	
Blank Spacing	1.00			4584.00	
Perforations	15.00			4599.00	
Change Over Sub	1.00			4600.00	
Recorder	0.00	8319	Below	4600.00	
Drill Pipe	219.00			4819.00	
Change Over Sub	1.00			4820.00	
Bullnose	3.00			4823.00	1000404.00 Bottom Packers & Anchor
Total Tool Length:	405.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, LLC
4900 Woodway Dr Ste 880
Houston, TX 77056
ATTN: Terry McLeod

8 -17s-33w Scott,KS
Gough #1-8
Job Ticket: 64386 **DST#: 3**
Test Start: 2018.01.03 @ 18:02:00

Mud and Cushion Information

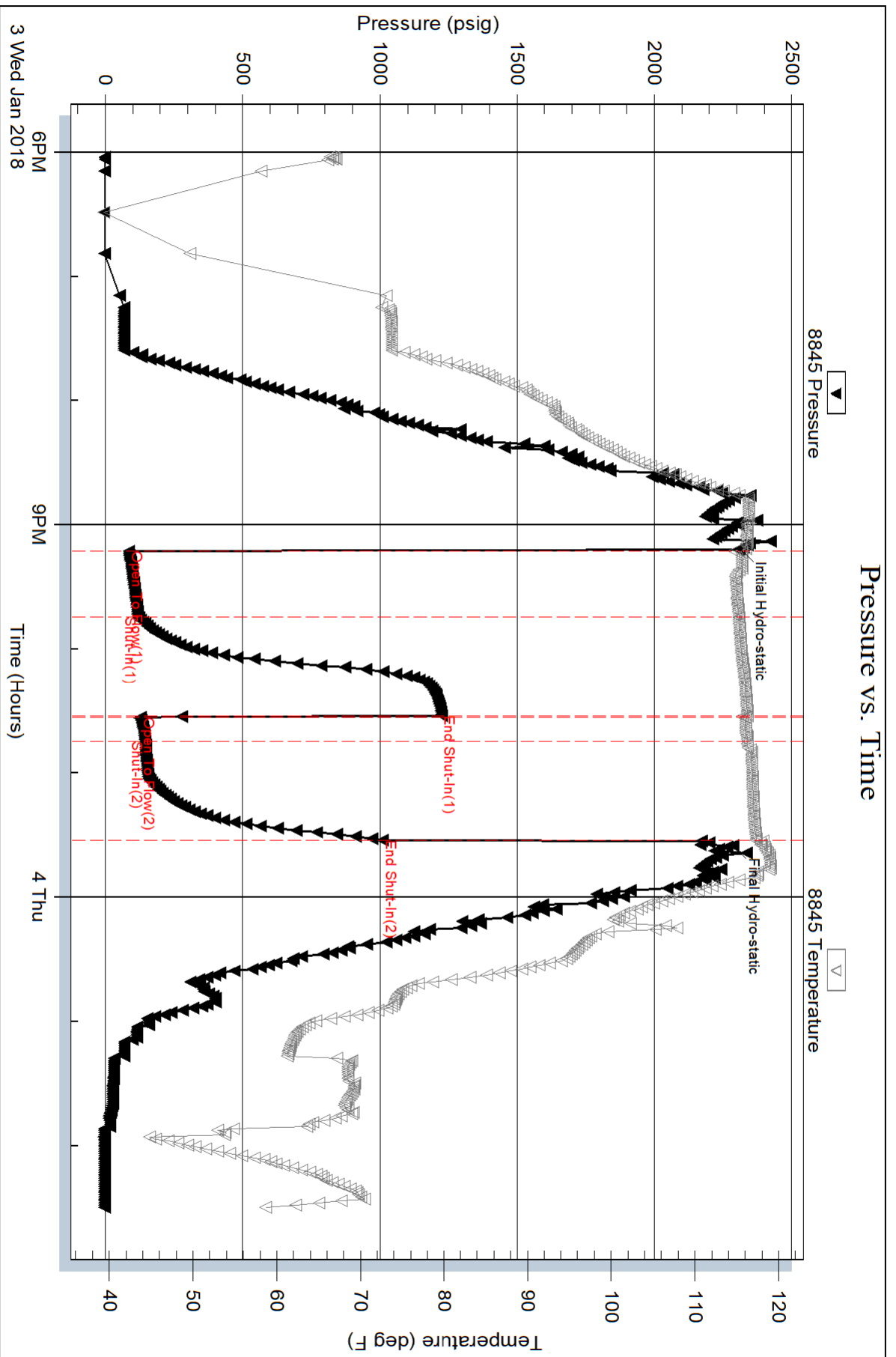
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.49 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
175.00	gsocm 5g 1o 94m	2.455
0.00	350' Gassy Odor	0.000

Total Length: 175.00 ft Total Volume: 2.455 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

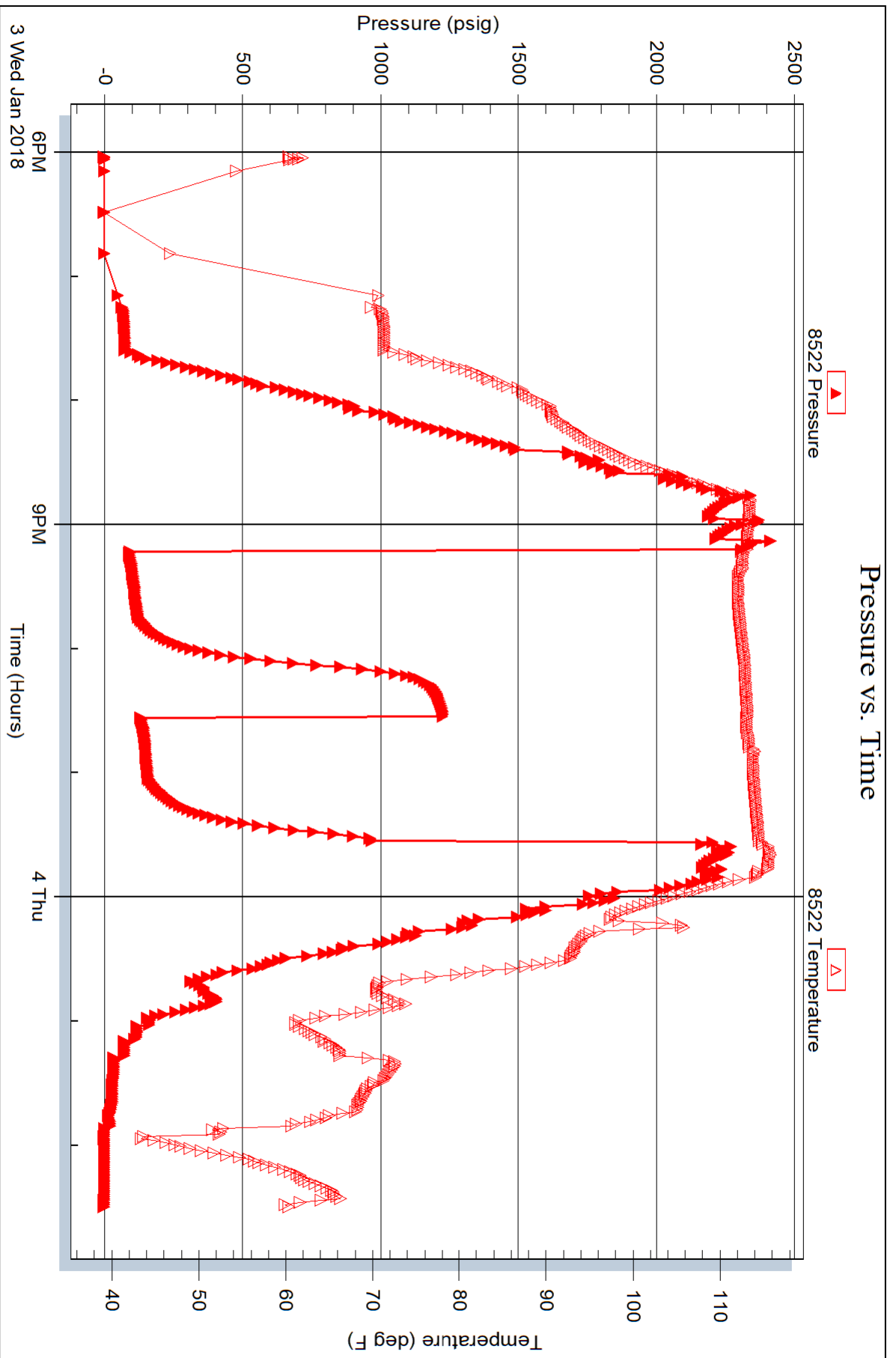


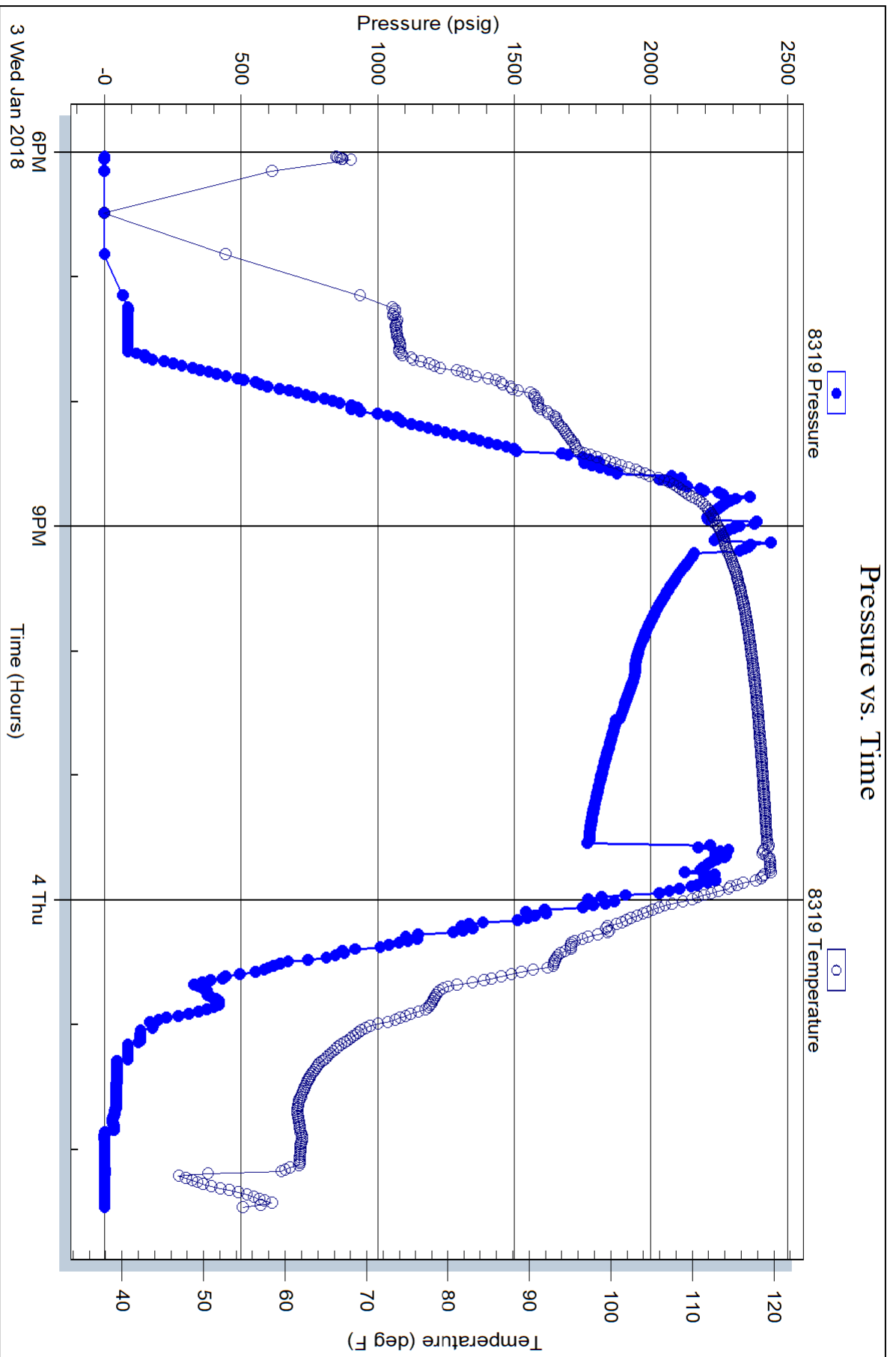
Serial #: 8522

Outside Landmark Resources, LLC

Gough #1-8

DST Test Number: 3







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64384**

Well Name & No. Gough #1-8 Test No. 1 Date 1/1/2018
 Company Landmark Resources, LLC Elevation 3087 KB 3082 GL
 Address 4900 Woodway Dr Ste 880 Houston, Tx 77056
 Co. Rep / Geo. Terry McLeod Rig LD
 Location: Sec. _____ Twp. _____ Rge. _____ Co. Scott State Ks

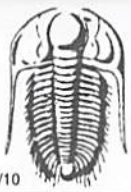
Interval Tested 4406 - 4471 Zone Tested Marmaton - Upper Alkamount
 Anchor Length 65' Drill Pipe Run 4406 Mud Wt. 9.3
 Top Packer Depth 4401 Drill Collars Run Ø Vis 50
 Bottom Packer Depth 4406 Wt. Pipe Run Ø WL 8.8
 Total Depth 4471 Chlorides 3,000 ppm System LCM 1#
 Blow Description IF 1/2" blow.
ISI No return.
FF No blow.
FSI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD 100</u>				<u>100</u>
	<u>oil spots IN Tool</u>				

Rec Total 10 BHT 115 Gravity _____ API RW _____ @ _____ F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2190</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1345</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1535</u>
(C) First Final Flow <u>23</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2059</u>
(D) Initial Shut-In <u>1031</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>2345</u>
(E) Second Initial Flow <u>24</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0214</u>
(F) Second Final Flow <u>24</u>	<input checked="" type="checkbox"/> Mileage <u>33RT</u> <u>24.75</u>	Comments _____
(G) Final Shut-In <u>877</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2185</u>	<input type="checkbox"/> Straddle _____	
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Accessibility _____	Total <u>1749.75</u>
	Sub Total <u>1749.75</u>	MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
 TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.
785 623 1407



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64385**

Well Name & No. Gough #1-8 Test No. 2 Date 1/1/2018
 Company Landmark Resources, LLC Elevation 3087 KB 3082 GL
 Address 4900 Woodway Dr Ste 800 Houston, Tx 77056
 Co. Rep / Geo. Terry McLeod Rig LP
 Location: Sec. 8 Twp. 17s Rge. 33w Co. Scott State Ks

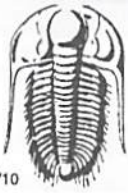
Interval Tested 4487 4510 Zone Tested Lower Altamont
 Anchor Length 22 Drill Pipe Run 4467 Mud Wt. 9.1
 Top Packer Depth 4482 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 4487 Wt. Pipe Run 0 WL 9.6
 Total Depth 4510 Chlorides 5000 ppm System LCM 1#
 Blow Description IF 1 1/2" blow
ISI No return
FF Surface blow
FSI No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>			<u>100</u>	
	<u>Puddle of oil outcrop</u>				
	<u>3"</u>				

Rec Total 5 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2256</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1230</u>
(B) First Initial Flow <u>16</u>	<input type="checkbox"/> Jars	T-Started <u>1447</u>
(C) First Final Flow <u>17</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1726</u>
(D) Initial Shut-In <u>62</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>1926</u>
(E) Second Initial Flow <u>18</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2317</u>
(F) Second Final Flow <u>17</u>	<input checked="" type="checkbox"/> Mileage <u>33RT</u> <u>24.75</u>	Comments
(G) Final Shut-In <u>37</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2215</u>	<input type="checkbox"/> Straddle	
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1499.75</u>
Final Flow <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
Final Shut-In <u>30</u>	Sub Total <u>1499.75</u>	

Approved By _____ Our Representative [Signature]
 TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64386**

Well Name & No. Gough # 1-8 Test No. 3 Date 1/3/2018
 Company Landmark Resources, LLC Elevation 3087 KB 3082 GL
 Address 4900 Woodway Dr Ste 880 Houston, Tx 77056
 Co. Rep / Geo. Terry McLeod Rig LD
 Location: Sec. 8 Twp. 17 S Rge. 33 W Co. Scott State Ks

Interval Tested 4440 - 4583 Zone Tested Altamont - Ft Scott
 Anchor Length 143 Drill Pipe Run 4434 Mud Wt. 9.5
 Top Packer Depth 4436 - 4440 Drill Collars Run ✓ Vis 54
~~Bottom~~ ^{Straddle} Packer Depth 4583 Wt. Pipe Run 0 WL 10.4
 Total Depth 4823 Chlorides 5800 ppm System LCM 2#
 Blow Description IF BOB @ 16 min
FSI No return
FF No bleed BOB @ 4 min.
FST No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>175</u>	<u>650 con</u>	<u>5</u>	<u>1</u>	<u>94</u>	
	<u>350' Gassy Oder</u>				

Rec Total 175' BHT 117 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2311</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1745</u>
(B) First Initial Flow <u>87</u>	<input checked="" type="checkbox"/> No Jars	T-Started <u>1802</u>
(C) First Final Flow <u>119</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2113</u>
(D) Initial Shut-In <u>1226</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>2533</u>
(E) Second Initial Flow <u>129</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0229</u>
(F) Second Final Flow <u>146</u>	<input checked="" type="checkbox"/> Mileage <u>3547 x 2</u> 24.75 + 24.75	Comments _____
(G) Final Shut-In <u>1008</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2285</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>x 2</u> 500	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>2374.50</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>2374.50</u>	

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

331 BAY Road
Madison, KS 66860
Ph: 620-437-2661
Fax: 620-437-2881



104 Prairie Plaza Parkway
Garnett, KS 66032
Ph: 785-448-3100
Fax: 785-448-3102

FED ID# 48-1214033
MC ID# 165290

Remit to: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202

Customer:

LANDMARK RESOURCES INC
4900 WOODWAY DR
SUITE 880
HOUSTON, TX 77056

71730

Invoice Date: 12/15/2017
Invoice #: 0035955
Lease Name: GOUGH
Well #: 1-8
County: SCOTT

Date/Description	HRS/QTY	Rate	Total
Ticket 100860 8 5/8 Surface	0.000	0.000	0.00
Heavy Eq mileage one way	100.000	2.438	243.75
Light Eq mileage one way	50.000	1.125	56.25
Ton Mileage one way #242	457.000	0.975	445.58
Cementer #231	1.000	712.500	712.50
Regular class A cement	185.000	12.188	2,254.69
Bentonite Gel	348.000	0.225	78.30
Calcium chloride	522.000	0.750	391.50
Wooden 8 5/8	1.000	69.120	69.12

RECEIVED
DEC 28 ENT'D

pd.
52512
4251.69

DEC 29 2017

Total 4,251.69

All invoices are due upon receipt. Interest at the rate of 1 1/2% per month may be charged on all invoices not paid within 30 days from date of invoice.

WE APPRECIATE YOUR BUSINESS!



250 N. Water, Ste 200 - Wichita, Ks 67202

HURRICANE SERVICES INC

104 Prairie Plaza Parkway - Garnett, Ks 66032

Customer	Landmark Resources Inc.			Customer Name:	Rick Wilson			Ticket No.:	100860			
Address:	1616 S Voss Rd. Ste 600			Contractor:	L D Drilling			Date:	12/15/2017			
City, State, Zip:	Houston Ks. 77057			Job type	8 5/8 Surface			Well Type:	Oil			
Service District:	Great Bend, Ks.			Well Details:	Sec	8	Twp:	17S	R:	33W		
Well name & No.	Gough # 1-8			Well Location:	Scott City	County:	Scott	State:	Kansas			
Equipment #	Driver	Equipment #	Driver	Equipment #	Driver	TRUCK CALLED					AM PM	TIME
231	Cody					ARRIVED AT JOB					AM PM	10:00
242	Darren					START OPERATION					AM PM	12:05
28	Todd					FINISH OPERATION					AM PM	1:00
						RELEASED					AM PM	1:30
						MILES FROM STATION TO WELL						134

Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Net Amount
C001	Heavy Equip. One Way	mi	100.00	\$3.25	\$325.00	\$243.75
C002	Light Equip. One Way	mi	50.00	\$1.50	\$75.00	\$56.25
C003	Ton Mileage - One way	mi	457.00	\$1.30	\$594.10	\$445.58
C019	Cement Pump	ea	1.00	\$950.00	\$950.00	\$712.50
CP006	Regular - Class A Cement	sack	185.00	\$16.25	\$3,006.25	\$2,254.69
CP013	Bentonite Gel	lb	348.00	\$0.30	\$104.40	\$78.30
CP014	Calcium - Chloride	lb	522.00	\$1.00	\$522.00	\$391.50
CP043	Wooden 8 5/8	ea	1.00	\$108.00	\$108.00	\$69.12

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts may pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws if such laws limit interest to a lesser amount. In the event it is necessary to employ an agency and/or attorney to affect the collection of said account, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Discount rate is based on 30 days net payment terms or cash.

DISCLAIMER NOTICE:
This technical data is presented in good faith, but no warranty is given by and H.S.I. assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. The information presented is HSI best estimate of the actual results that may be achieved and should be used for comparison purposes and make no guarantee of future production performance. Customer warrants that well and all associated equipment in acceptable condition to receive services by H.S.I. Likewise, the customer will guarantee proper operational care of all customer owned production and associated equipment, while H.S.I. is on location performing services which could adversely affect the performance of such services.
Authorizing below acknowledges receipt and acceptance of all terms and conditions stated

CUSTOMER AUTHORIZED AGENT

Gross:	\$ 5,684.75	Net:	\$4,251.68
Total Taxable	\$ -	Tax Rate:	
Frac and Acid service treatments designed with intent to increase production on newly drilled or existing wells are not taxable.		Sale Tax:	\$ -
		Total:	\$ 4,251.68
Date of Service:	12/15/2017		
HSI Representative:	Todd Seba		

Customer Comments:

TREATMENT REPORT



HURRICANE SERVICES INC

Customer: Landmark Resources Inc.	Date: 12/15/2017	Ticket No.: 100860
Field Rep: Rick Wilson		
Address:		
City, State:		
County, Zip:		

Field Order No.: 100860	Open Hole:	Perf Depths (ft)	Perfs
Well Name: Gough # 1-8	Casing Depth: 258'		
Location: Scott City	Casing Size: 8 5/8 23 LB New		
Formation:	Tubing Depth:		
Type of Service: Surface	Tubing Size:		
Well Type: Oil	Liner Depth:		
Age of Well: New	Liner Size:		
Packer Type:	Liner Top:		
Packer Depth:	Liner Bottom:		
Treatment Via: Casing	Total Depth: 261'		
		Total Perfs	0

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
	FLUID	N2/CO2	STP	ANNULUS				
6:00 PM					Called out			
					On Location W/Trucks Hold Safety Meeting			
					Spot & Set Up Trucks			
					TD=261' TP=248' SJ=20"			
11:30 PM					Start Casing			
12:05 AM					Casing On Bootom			
12:10 AM					Hook Up To Casing & Break Circulation W/Rig			
12:37 AM	4.0		75.0		Start Pumping H2O			15.00
	4.0		100.0		Start Mix & Pump 185 Sk Common 2% Gel 3% CC			46.46
12:52 AM					Shut Down Release Plug			
12:55 AM	4.0		150.0		Start Displacement H2O			15.00
1:00 AM			200.0		Shut Down Close Vavle On Casing			
					Good Circulation Thru Job			
					Circulate 15 Sacks To Pit			
					Wash Up & Rack Up Trucks			
1:30 AM					Off Location			
					Thank You Please Call Again			
					Todd Cody Darren			
TOTAL:						-	-	76.46

SUMMARY

Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI
4.0	4.0	200.0	131.3

PRODUCTS USED

185 Sacks Common 2% Gel 3% Calcium Chloride

Treater: Todd Seba

Customer: Rick Wilson

3613A Y Road
Madison, KS 66860
Ph: 620-437-2661
Fax: 620-437-2881



HURRICANE SERVICES INC

104 Prairie Plaza Parkway
Garnett, KS 66032
Ph: 785-448-3100
Fax: 785-448-3102

FED ID# 48-1214033
MC ID# 165290

Remit to: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202

Customer:
LANDMARK RESOURCES INC
4900 WOODWAY DR
SUITE 880
HOUSTON, TX 77056

71890

Invoice Date: 1/4/2018
Invoice #: 0036195
Lease Name: GOUGH
Well #: 1-8
County: SCOTT

Date/Description	HRS/QTY	Rate	Total
Ticket 100864 Rotary PTA	0.000	0.000	0.00
Heavy Eq Mileage	100.000	2.438	243.75
Light Eq Mileage	50.000	1.125	56.25
Ton Mileage	628.000	0.975	612.30
Cement Pump	1.000	712.500	712.50
60/40 Pozmix cement ML	280.000	9.638	2,698.50
Bentonite Gel ML	963.000	0.225	216.68
Pheno-Seal ML	70.000	1.275	89.25
Wooden 8 5/8 ML	1.000	81.000	81.00

RECEIVED

FEB 13 ENT'D

Pd.
52732
13,243.33

Net Invoice 4,710.23
Sales Tax: (8.50%) 400.36
Total 5,110.59

All invoices are due upon receipt. Interest at the rate of 1 1/2% per month may be charged on all invoices not paid within 30 days from date of invoice.

WE APPRECIATE YOUR BUSINESS!



250 N. Water, Ste 200 - Wichita, Ks 67202

HURRICANE SERVICES INC

104 Prairie Plaza Parkway - Garnett, Ks 66032

Customer	Landmark Resources Inc.	Customer Name:	Rick Wilson	Ticket No.:	100864			
Address:	1616 S.Voss Rd. Ste 600	Contractor:	LD Drilling	Date:	1/4/2018			
City, State, Zip:	Houston, Tx. 77057	Job type	Rotary PTA	Well Type:	Oil			
Service District:	Great Bend, Ks. <i>ML</i>	Well Details:	Sec 8	Twp: 17S	R: 33W			
Well name & No.	Gough # 1-8	Well Location:	Scott City	County: Scott	State: Kansas			
Equipment #	Driver	Equipment #	Driver	Equipment #	Driver	TRUCK CALLED	AM PM	TIME
231	Cody					ARRIVED AT JOB	AM PM	9:30
242	Brad					START OPERATION	AM PM	10:35
28	Todd					FINISH OPERATION	AM PM	1:30
						RELEASED	AM PM	2:00
MILES FROM STATION TO WELL								50

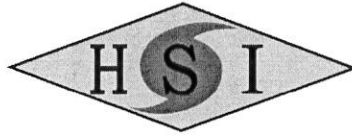
Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Net Amount
C001	Heavy Equip. One Way	mi	100.00	\$3.25	\$325.00	\$243.75
C002	Light Equip. One Way	mi	50.00	\$1.50	\$75.00	\$56.25
C003	Ton Mileage - One Way	mi	628.00	\$1.30	\$816.40	\$612.30
C019	Cement Pump	ea	1.00	\$950.00	\$950.00	\$712.50
CP010	60/40 Pozmix Cement	sack	280.00	\$12.85	\$3,598.00	\$2,698.50
CP016	Bentonite Gel	lb	963.00	\$0.30	\$288.90	\$216.68
CP027	Pheno Seal	lb	70.00	\$1.70	\$119.00	\$89.25
CP057	Wooden 8 5/8"	ea	1.00	\$108.00	\$108.00	\$81.00

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts may pay interest on the balance past due at the rate of 1 1/4% per month or the maximum allowable by applicable state or federal laws if such laws limit interest to a lesser amount. In the event it is necessary to employ an agency and/or attorney to affect the collection of said account, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Discount rate is based on 30 days net payment terms or cash.

DISCLAIMER NOTICE:
This technical data is presented in good faith, but no warranty is given by and H.S.I. assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. The information presented is HSI best estimate of the actual results that may be achieved and should be used for comparison purposes and make no guarantee of future production performance. Customer warrants that well and all associated equipment in acceptable condition to receive services by H.S.I. Likewise, the customer will guarantee proper operational care of all customer owned production and associated equipment, while H.S.I. is on location performing services which could adversely affect the performance of such services.
Authorization below acknowledges receipt and acceptance of all terms and conditions stated X _____
CUSTOMER AUTHORIZED AGENT

Gross: \$ 6,280.30		Net: \$4,710.23
Total Taxable	\$ -	Tax Rate:
Frac and Acid service treatments designed with intent to increase production on newly drilled or existing wells are not taxable.		
Sale Tax:	\$ -	
Total:	\$ 4,710.23	
Date of Service:	1/4/2018	
HSI Representative:	Todd Seba	
Customer Comments:		

TREATMENT REPORT



HURRICANE SERVICES INC

Customer: Landmark Res.Inc.	Date: 1/4/2018	Ticket No.: 100864
Field Rep: Rick Wilson		
Address:		
City, State:		
County, Zip:		

Field Order No.: 100864	Open Hole:	Perf Depths (ft)	Perfs
Well Name: Gough # 1-8	Casing Depth:		
Location: Scott City	Casing Size:		
Formation:	Tubing Depth: 2470'		
Type of Service: PTA	Tubing Size: 4 1/2 DP		
Well Type: Oil	Liner Depth:		
Age of Well: New	Liner Size:		
Packer Type:	Liner Top:		
Packer Depth:	Liner Bottom:		
Treatment Via: Drill Pipe	Total Depth: 4825'		
		Total Perfs	0

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
	FLUID	N2/CO2	STP	ANNULUS				
3:30 AM					Called Out			
9:30 AM					On Location W/Trucks Hold Safety Meeting			
					Spot & Set Up Trucks			
					1 St Plug @ 2470' 50 Sk 60/40 4% Gel .25 Lb/Sk PS			
10:35 AM	4.0		180.0		Start Pumping H2O			20.00
	4.0		200.0		Start Mix & Pump 50 Sk			12.65
	4.0		200.0		Start Displacement H2O			5.00
	7.0		250.0		Start Displacement Mud			27.00
10:58 AM					Shut Down PDPOOH			
					2 nd Plug @ 1520' 80 Sk 60/40 4% Gel .25 lb/Sk PS			
	4.0		120.0		Start Pumping H2O			20.00
11:34 AM	4.0		120.0		Start Mix & Pump 80 Sk			20.23
	4.0		120.0		Start Displacement H2O			5.00
	7.0		100.0		Start Displacement Mud			12.00
11:49 AM					Shut Down PDPOOH			
					3 rd Plug @ 750' 50 Sk 60/40 4% Gel .25 lb/Sk PS			
12:17 PM	4.0		100.0		Start Pumping H2O			20.00
	4.0		100.0		Start Mix & Pump 50 Sk			12.65
TOTAL:						-	-	190.73

SUMMARY

Max FI. Rate	Avg FI. Rate	Max PSI	Avg PSI
7.0	4.4	250.0	124.3

PRODUCTS USED

280 Sacks 60/40 4% Gel .25 Lb/Sk Phenoseal

Treater: Todd Seba

Customer: Rick Wilson

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOGS

OPERATOR Landmark Resources, Inc. LEASE Gough Well No. 1-B ELEVATION 3087' KB

LOCATION Twp 17S, Rng 33W, Sec 8, E1/2, S3/4. COUNTY Scott STATE Kansas

FORMATION TOP TO BOTTOM FEET STRONG... Anhydrite 3120 to 6772 3652... Sandstone 1612 to 1725 1113... Limestone 1012 to 1612 5999... Shale 6772 to 7500 7278

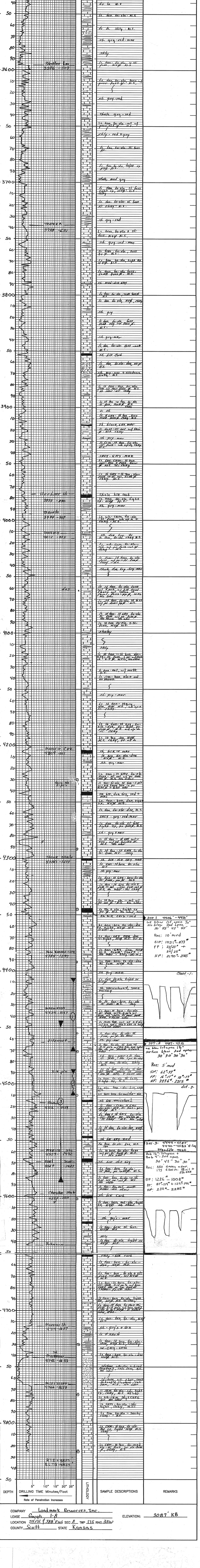
WELL INFORMATION: WELL NO. 1-B, OPERATOR Landmark Resources, Inc., LEASE Gough

Table with columns: Well, Depth, Log Name, Date, and other well-specific details.

DRILL STEEL TESTS: No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

LEGEND: Anhydrite, Salt, Sandstone, Shale, Carb sh, Limestone, Ool.Lime, Chert, Dolomite

SCALE: 1" = 100'



COMPANY Landmark Resources, Inc. LEASE Gough 1-B LOCATION TWP 17S, RNG 33W, SEC 8, E1/2, S3/4 COUNTY Scott STATE Kansas ELEVATION: 3087' KB