

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 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) (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	DNR Oil and Gas, Inc.
Well Name	CLARK 42-01D
Doc ID	1384136

All Electric Logs Run

Sonic
Micro
Dual
Dual Induction



PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
 CEMENT

TICKET NUMBER 54973

LOCATION Oakley, KS

FOREMAN Miles Shaw

Invoice # 81987 US

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-5-17	<u>21637</u>	<u>Clark 42-01D</u>	<u>1</u>	<u>25</u>	<u>42 W</u>	<u>Cherokee</u>
CUSTOMER <u>DNR Oil & Gas INC</u>			St. Francis US Northy 25 to CRW West loc RS North 2 mts Through curves into			
MAILING ADDRESS <u>12741 East Coley unit 142</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY <u>Centennial</u>			<u>753</u>	<u>Thomas W</u>		
STATE <u>CO</u>			<u>566</u>	<u>K. H. C.</u>		
ZIP CODE <u>80111-6407</u>						
JOB TYPE	HOLE SIZE	HOLE DEPTH	CASING SIZE & WEIGHT			
<u>Surface</u>	<u>12 1/4"</u>	<u>309'</u>	<u>8 5/8" 24#</u>			
CASING DEPTH	DRILL PIPE	TUBING	OTHER			
<u>309'</u>						
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING			
<u>15.2</u>	<u>1.24</u>		<u>20'</u>			
DISPLACEMENT	DISPLACEMENT PSI	MIX PSI	RATE			
<u>18.25 bbls</u>						
REMARKS: <u>Safety Meeting and Review on Date drilling Rg #4 Circulate casing</u> <u>mix 225 sx Surface blend II Class Cement with 3% Calcium 28 sel displac</u> <u>18.25 bbls Shut in Cement did Circulate Cellar only</u>						

Contact Person Charles R. Davis
 1-303-925-8956 - Cell 303475-5091

Thanks Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<u>CE0471</u>	<u>1</u>	<u>PUMP CHARGE</u>	<u>1150.00</u>	<u>1150.00</u>
<u>CE0002</u>	<u>100</u>	<u>MILEAGE</u>	<u>7.15</u>	<u>429.00</u>
<u>CE0410</u>	<u>10.58 Ton</u>	<u>Ton Mileage delivery</u>	<u>1.75</u>	<u>1110.90</u>
<u>CE0411</u>	<u>225 SX</u>	<u>Surface Blend II</u>	<u>23.00</u>	<u>5175.00</u>
			Subtotal	7864.90
			less 30% discount	2359.47
			Subtotal	5505.43
			SALES TAX	<u>307.91</u>
			ESTIMATED TOTAL	<u>5813.34</u>

Ravin 3737

AUTHORIZATION

TITLE

DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

GLOBAL OIL FIELD SERVICES, LLC

3229

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>12-18-17</u>	SEC. <u>1</u>	TWP. <u>25</u>	RANGE <u>92W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>7:45 AM</u>
LEASE <u>Clark</u>		WELL #. <u>42-01D</u>	LOCATION <u>Farm St Francis KS Hwy 27 12.6mi</u>	COUNTY <u>Cherokee</u>	STATE <u>KS</u>		
OLD OR NEW (CIRCLE ONE)		<u>NW 1/4 RFD 11 mi W to RDS 1/8 N W. 1/4</u>					

CONTRACTOR Duke Drilling Rig # 4

OWNER DNR Oil - 695

TYPE OF JOB <u>plug</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>5431'</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX.	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS	
DISPLACEMENT	

CEMENT AMOUNT ORDERED 290 60/40 4" cel
11 1/2' flow sat

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Colly</u>
# <u>417</u>	HELPER <u>Tyson</u>
BULK TRUCK	
# <u>473</u>	DRIVER <u>Tom</u>
BULK TRUCK	
#	DRIVER

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
	@	
	@	
	@	
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	@	
	@	
HANDLING	@	
MILEAGE		

TOTAL

REMARKS:

50 5x 5431'

50 5x 3578'

100 5x 2707'

30 5x 3591' wiper plug

10 5x 40' flow 30 5x

CHARGE TO: DNR Oil - Bus
STREET 12741 E Colby Ave # 1112
CITY Lawrence STATE CO ZIP 80111

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

PRINTED NAME
SIGNATURE Hector Torres

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		
EXTRA FOOTAGE	@	
MILEAGE	@	
MANIFOLD	@	
	@	
	@	

TOTAL

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

Tim J. Lauer

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **DNR Oil and Gas Inc.**
 LEASE **#42-01D Clark**
 FIELD **Wildcat**
 LOCATION **2150' FNL, 700' FEL, NE/4**
 SEC **1** TWS **2S** RGE **42W**
 COUNTY **Cheyenne** STATE **Kansas**

CONTRACTOR **Duke Drilling Rig #4**
 SPUD **12-5-2017** COMPLETION **12-18-2017**
 RTD **5480'** LTD **5485'**
 MUD UP **3650'** TYPE MUD **Chemical**

Office 316.832.0530
 Cell 316.253.1275

ELEVATIONS
 KB **3601'**
 DF _____
 GL **3592'**

Measurements Are All
 From **Kelly Bushing**

CASING
 CONDUCTOR _____
 SURFACE **8-5/8" @ 305'**
 PRODUCTION **none**

ELECTRICAL
 SURVEYS
**ELI Stack, DCPIL, ML, PE,
 Sonic-Engr, Jeff Luebbers**

SAMPLES SAVE**D** FROM **3900'** TO RTD

DRILLING TIME KEPT FROM **3900'** TO RTD

SAMPLES EXAMINED FROM **3900'** TO RTD

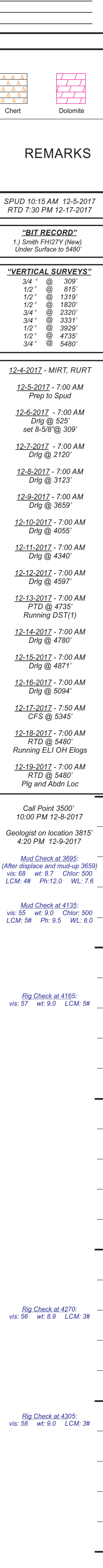
GEOLOGICAL SUPERVISION FROM **3815'** TO RTD

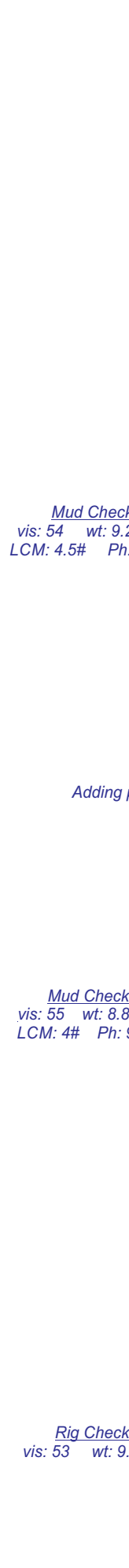
GEOLOGIST ON WELL **Tim J. Lauer**

FORMATION TOPS

Anhydrite	3595' (+45)	3553' (+46)
Foraker	4116' (-517)	4114' (-513)
Lansing H	4516' (-915)	4510' (-909)
Lansing H	4663' (-1022)	4650' (-1019)
Marmaton	4909' (-1309)	4904' (-1303)
Payson	4949' (-1347)	4944' (-1341)
Morrow	5225' (-1623)	5216' (-1615)
Mississippian	5323' (-1721)	5316' (-1715)
Arbuckle	5425' (-1824)	5421' (-1818)
Total Depth	5485'	5480'

ELECTRIC LOG SAMPLE LOG





REMARKS

Due to drill stem test results, and log evaluation, operator elected to plug and abandon the location without further testing the location. Note: Log measurements and Total Depth are 5 feet deep to Rotary measurements, move tops and DST intervals down 5 feet to match electric logs.

Respectfully submitted,

Tim J. Lauer
 12/19/2017

DEPTH	SAMPLE DESCRIPTION	REMARKS
3900	SPUD 10:15 AM 12-5-2017 RTD 7:30 PM 12-17-2017	"BIT RECORD" 1) Smith F117Y (New) Under Surface to 5480'
3900-3950	Sh; flood redbeds, rust-brk red, AA, no ch Ls or Sd.	"VERTICAL SURVEYS" 3/4" @ 305' 1/2" @ 319' 1/2" @ 1820' 3/4" @ 2320' 3/4" @ 3331' 1/2" @ 3929' 1/2" @ 4735' 3/4" @ 5480'
3950-4000	Sh; flood redbeds, AA, silt-silty IP, incr drk gm, gm-gry shale, no ch Ls or Sd.	12-4-2017 - MIRT, RURT 12-5-2017 - 7:00 AM Prep to Spud
4000-4050	50% redbeds, AA, 50% Ls; most AA, micro-fn-grain, decr micro-fn, scal IG por, some cm-gr, micro-mndln, dms, OA NS, n. flr, n. str, n. odor.	12-6-2017 - 7:00 AM P1D @ 725' set 8-5/8" @ 309'
4050-4100	Sh; most redbeds, AA, silt-silty IP, incr drk gm, gm-gry shale, no ch Ls or Sd.	12-7-2017 - 7:00 AM Drig @ 2120'
4100-4150	Sh; flood redbeds, AA, silt-silty IP, no ch Ls or Sd.	12-8-2017 - 7:00 AM Drig @ 3123'
4150-4200	50% redbeds, AA, 50% Ls; most AA, micro-fn-grain, decr micro-fn, scal IG por, some cm-gr, micro-mndln, dms, OA NS, n. flr, n. str, n. odor.	12-9-2017 - 7:00 AM Drig @ 3659'
4200-4250	Sh; most redbeds, and drk gry, gm-gry AA, scal Ls; cm-buff, vfn-shn, scal mdgrn, gran txt, scal fr IG por, NS, n. flr, n. str, n. odor (404-54050)	12-10-2017 - 7:00 AM Drig @ 4055'
4250-4300	Sh; most redbeds, and drk gry, gm-gry AA, scal Ls; cm-buff, AA, n. flr, n. str, n. odor (50% redbeds)	12-11-2017 - 7:00 AM Drig @ 4340'
4300-4350	Sh; most redbeds, and drk gry, gm-gry AA, scal Ls; cm-buff, vfn-shn, scal mdgrn, gran txt, scal fr IG por, NS, n. flr, n. str, n. odor (404-54050)	12-12-2017 - 7:00 AM Drig @ 4597'
4350-4400	Sh; most redbeds, and drk gry, gm-gry AA, scal Ls; cm-buff, vfn-shn, scal mdgrn, gran txt, scal fr IG por, NS, n. flr, n. str, n. odor (404-54050)	12-13-2017 - 7:00 AM P1D @ 725' Running DST(1)
4400-4450	Ls; cm-gry, wht, micro-fn-grain, dms, 1/4 micro-fn-grain, med-gran txt, scal IG por, chaly IP, NS, n. flr, n. str, n. odor (sharp deer to 20% redbeds)	12-14-2017 - 7:00 AM Drig @ 4780'
4450-4500	Ls; flood cm-gry-buff, sil spk'd blk, most micro-fn-grain, s. foss, scal fr IG por, NS, n. flr, n. str, n. odor	12-15-2017 - 7:00 AM Drig @ 4871'
4500-4550	Ls; most cm-gry-drk gry, micro-mndln, most dms, some cm-gry, micro-fn-grain, scal fr IG por, NS, n. flr, n. str, n. odor	12-16-2017 - 7:00 AM Drig @ 5094'
4550-4600	Sh; abund red, med, incr tm-tan dirty limy shale, calc IP, dms, scal drk gry, dk gry-bk, n. odor	12-17-2017 - 7:00 AM CFS @ 5345'
4600-4650	Sh; AA red, rust, gritty txt, scal brn-tan dirty limy shale AA, gm-gry, dk gry, AA, NS, n. odor	12-18-2017 - 7:00 AM RTD @ 5480' Pig and Abdn Loc
4650-4700	Sh; AA, some blk platy, no clean Ls, clean sand, n. odor	Call Point 3500' 10:00 PM 12-8-2017 4:20 PM 12-9-2017 Geologist on location 3815' After displace and re-press (3650) vis: 65' wt: 9.2 Chbr: 500 LCM: 4# Ph: 12.0 WL: 7.6
4700-4750	Sh; AA, some blk platy, abund silt-gritty shale, no incr Ls	Mud Check at 3895' vis: 65' wt: 9.2 Chbr: 500 LCM: 4# Ph: 12.0 WL: 7.6
4750-4800	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	Mud Check at 4135' vis: 55' wt: 8.8 Chbr: 500 LCM: 5# Ph: 9.5 WL: 8.0
4800-4850	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	Rig Check at 4165' vis: 57' wt: 9.0 LCM: 5#
4850-4900	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
4900-4950	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
4950-5000	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
5000-5050	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
5050-5100	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
5100-5150	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
5150-5200	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
5200-5250	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
5250-5300	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
5300-5350	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
5350-5400	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
5400-5450	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	
5450-5500	Ls; flood cm-mid gry-drk gry, micro-mndln, sil foss, most dms, scal fr IG por, NS, n. flr, n. str, n. odor	

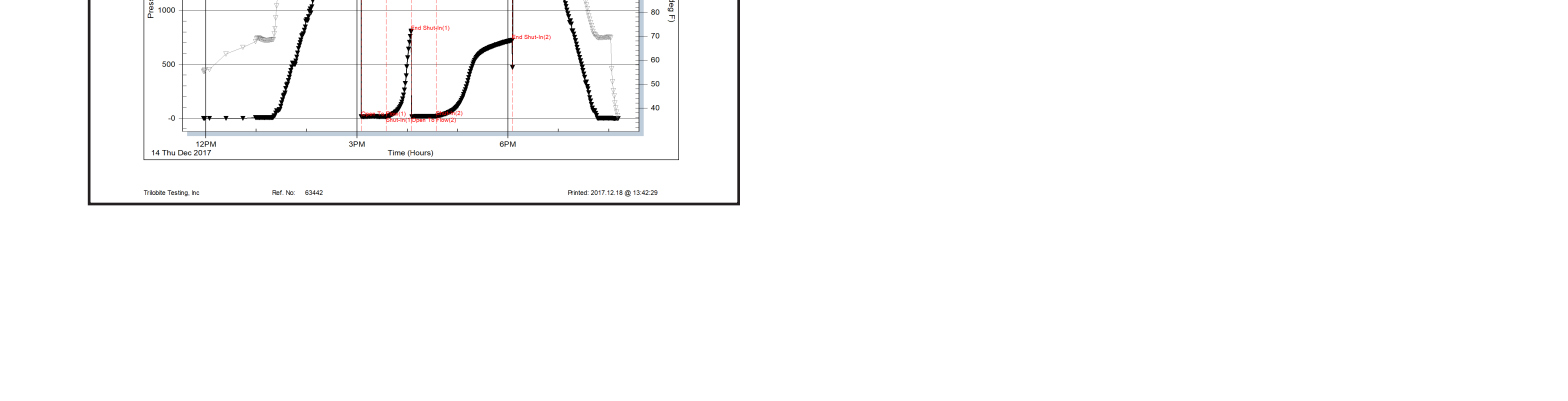
COMPANY & WELL **DNR Oil and Gas #42-01D Clark**

LOCATION **2150' FNL, 700' FEL, NE/4**

SEC **1** TWS **2S** RGE **42W**

COUNTY **Cheyenne** STATE **Kansas**

ELEVATIONS
 KB **3601'**
 GL **3592'**





DRILL STEM TEST REPORT

Prepared For: **DNR Oil & Gas Inc**

12741 E Caley Unit 142
Centennial, CO 80111

ATTN: Tim Lauer

Clark #42-01D

1-2s-42w Cheyenne,KS

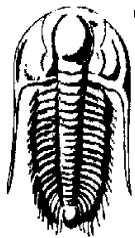
Start Date: 2017.12.13 @ 04:52:00

End Date: 2017.12.13 @ 07:53:30

Job Ticket #: 63440 DST #: 1

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

Printed: 2017.12.18 @ 13:47:20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

DNR Oil & Gas Inc
 12741 E Caley Unit 142
 Centennial, CO 80111
 ATTN: Tim Lauer

1-2s-42w Cheyenne, KS

Clark #42-01D

Job Ticket: 63440

DST#: 1

Test Start: 2017.12.13 @ 04:52:00

GENERAL INFORMATION:

Formation:	LKC. "J"	
Deviated:	No Whipstock:	ft (KB)
Time Tool Opened:		Test Type: Conventional Bottom Hole (Initial)
Time Test Ended:	07:53:30	Tester: James Winder
		Unit No: 83
Interval:	4697.00 ft (KB) To 4735.00 ft (KB) (TVD)	Reference Elevations: 3601.00 ft (KB)
Total Depth:	4735.00 ft (KB) (TVD)	3593.00 ft (CF)
Hole Diameter:	7.88 inches Hole Condition: Fair	KB to GR/CF: 8.00 ft

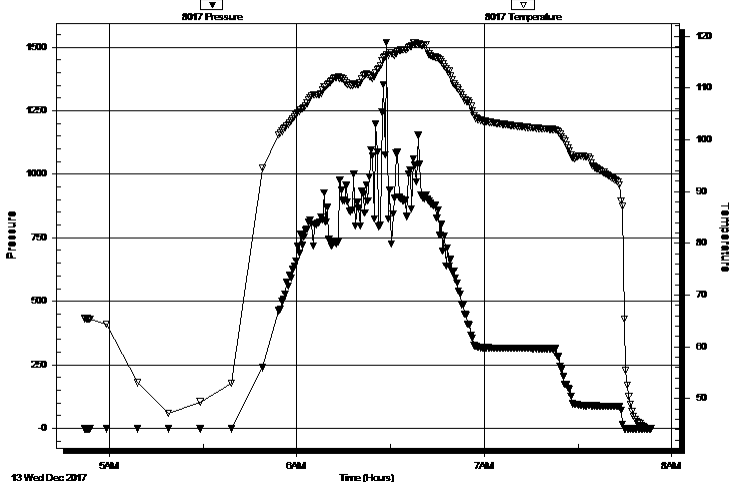
Serial #: 8017

Outside

Press@RunDepth:	psig @	4698.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2017.12.13	End Date:	2017.12.13	Last Calib.:	2017.12.13
Start Time:	04:52:05	End Time:	07:53:30	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: Hit tight spot on 26th stand in
 Bridged off 1/2 w ay on 30th stand in
 Pulled tool

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

DNR Oil & Gas Inc
12741 E Caley Unit 142
Centennial, CO 80111
ATTN: Tim Lauer

1-2s-42w Cheyenne,KS

Clark #42-01D

Job Ticket: 63440

DST#: 1

Test Start: 2017.12.13 @ 04:52:00

GENERAL INFORMATION:

Formation: **LKC. "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 07:53:30

Interval: **4697.00 ft (KB) To 4735.00 ft (KB) (TVD)**

Total Depth: 4735.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 83

Reference Elevations: 3601.00 ft (KB)

3593.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: psig @ 4698.00 ft (KB)

Start Date: 2017.12.13

End Date:

2017.12.13

Capacity: 8000.00 psig

Last Calib.:

2017.12.13

Start Time: 04:52:05

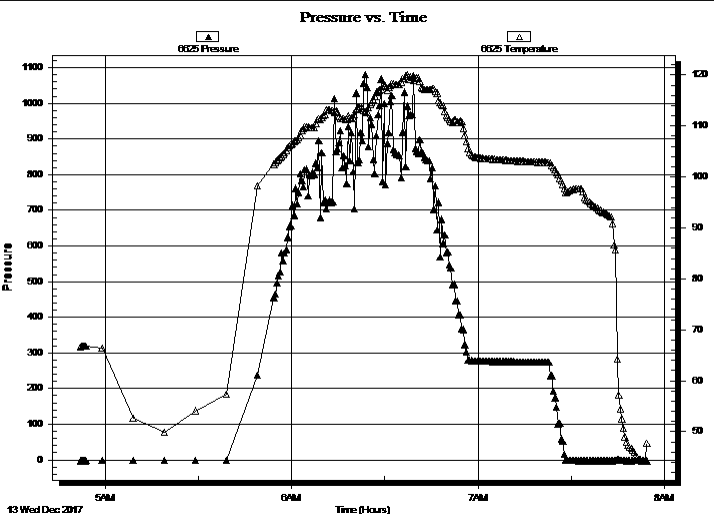
End Time:

07:54:15

Time On Btm:

Time Off Btm:

TEST COMMENT: Hit tight spot on 26th stand in
Bridged off 1/2 way on 30th stand in
Pulled tool



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DNR Oil & Gas Inc

1-2s-42w Cheyenne,KS

12741 E Caley Unit 142
Centennial, CO 80111

Clark #42-01D

Job Ticket: 63440

DST#: 1

ATTN: Tim Lauer

Test Start: 2017.12.13 @ 04:52:00

Tool Information

Drill Pipe:	Length: 4686.00 ft	Diameter: 3.80 inches	Volume: 65.73 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 65.73 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4697.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	59.00 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			4677.00	
Shut In Tool	5.00			4682.00	
Hydraulic tool	5.00			4687.00	
Packer	5.00			4692.00	21.00 Bottom Of Top Packer
Packer	5.00			4697.00	
Packer - Shale	0.00			4697.00	
Stubb	1.00			4698.00	
Recorder	0.00	6625	Inside	4698.00	
Recorder	0.00	8017	Outside	4698.00	
Perforations	34.00			4732.00	
Bullnose	3.00			4735.00	38.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DNR Oil & Gas Inc

1-2s-42w Cheyenne,KS

12741 E Caley Unit 142
Centennial, CO 80111

Clark #42-01D

Job Ticket: 63440

DST#: 1

ATTN: Tim Lauer

Test Start: 2017.12.13 @ 04:52:00

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

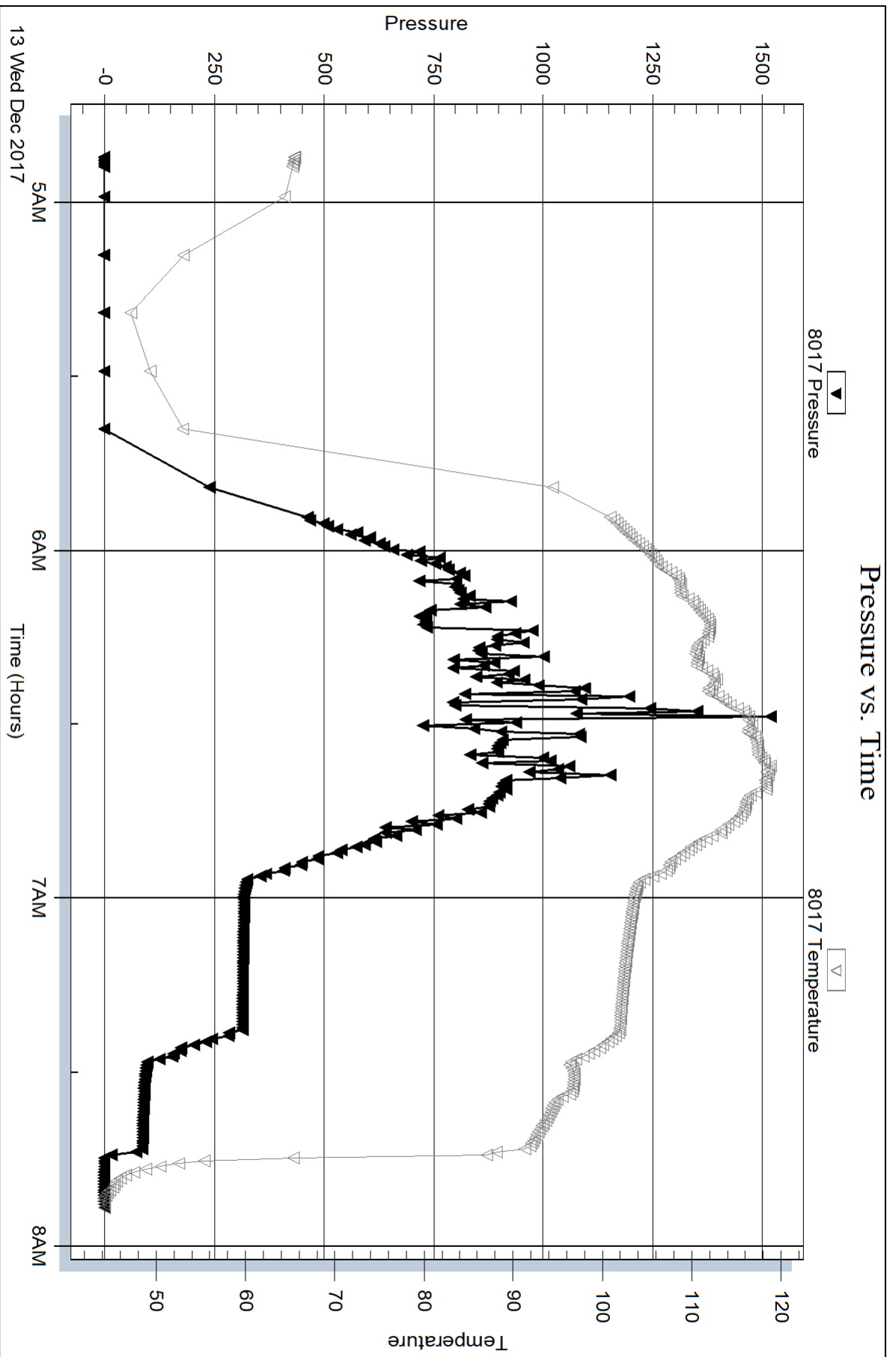
Recovery Comments:

Serial #: 8017

Outside DNR Oil & Gas Inc

Clark #42-01D

DST Test Number: 1



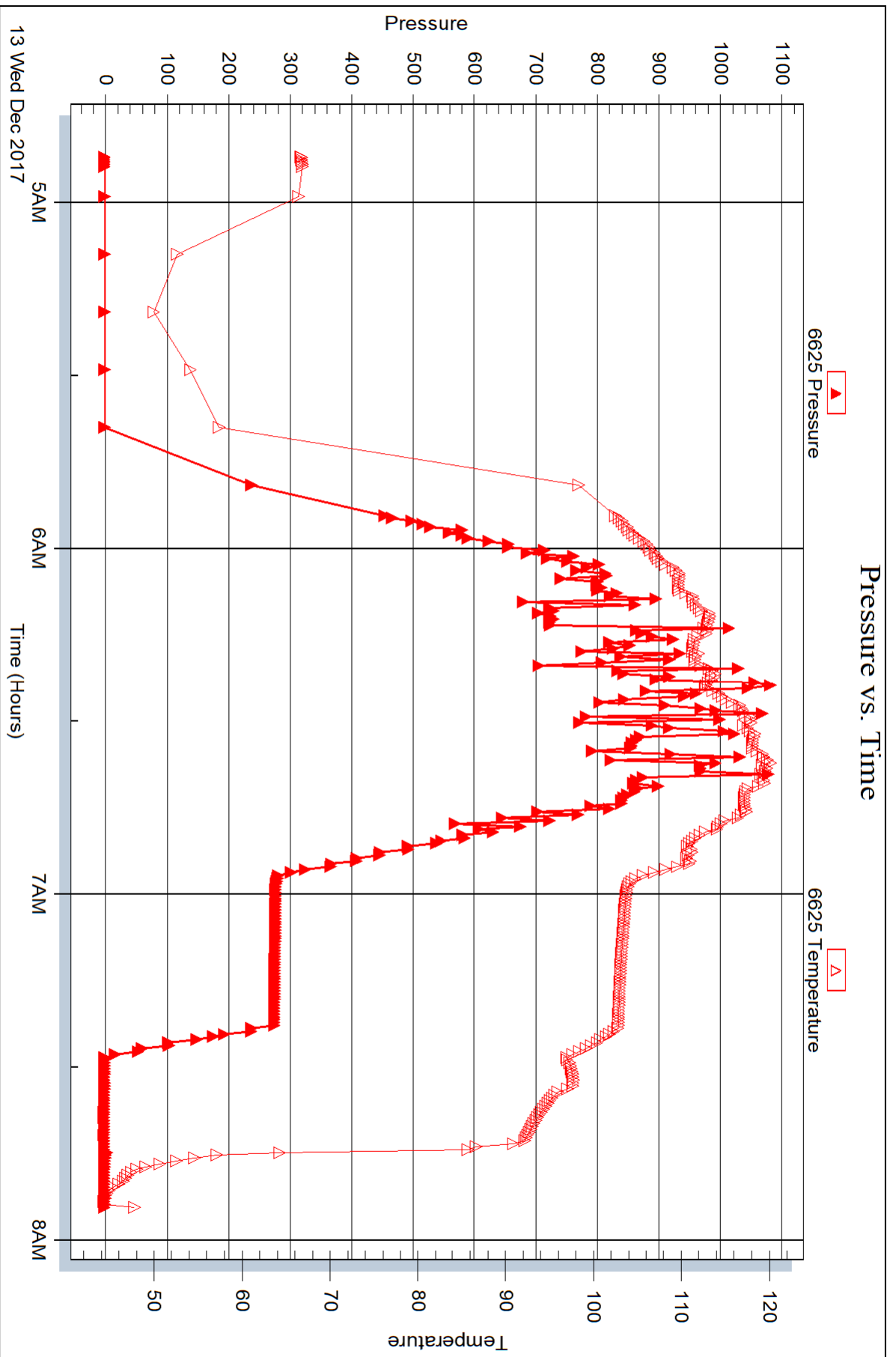
Serial #: 6625

Inside

DNR Oil & Gas Inc

Clark #42-01D

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **DNR Oil & Gas Inc**

12741 E Caley Unit 142
Centennial, CO 80111

ATTN: Tim Lauer

Clark #42-01D

1-2s-42w Cheyenne,KS

Start Date: 2017.12.13 @ 14:42:00

End Date: 2017.12.13 @ 21:16:45

Job Ticket #: 63441 DST #: 2

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

Printed: 2017.12.18 @ 13:46:13

DNR Oil & Gas Inc
1-2s-42w Cheyenne,KS
Clark #42-01D
DST # 2
LKC "J"
2017.12.13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DNR Oil & Gas Inc
 12741 E Caley Unit 142
 Centennial, CO 80111
 ATTN: Tim Lauer

1-2s-42w Cheyenne, KS
Clark #42-01D
 Job Ticket: 63441 **DST#: 2**
 Test Start: 2017.12.13 @ 14:42:00

GENERAL INFORMATION:

Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:50:00
 Time Test Ended: 21:16:45
Interval: 4697.00 ft (KB) To 4735.00 ft (KB) (TVD)
 Total Depth: 4735.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 3601.00 ft (KB)
 3593.00 ft (CF)
 KB to GR/CF: 8.00 ft

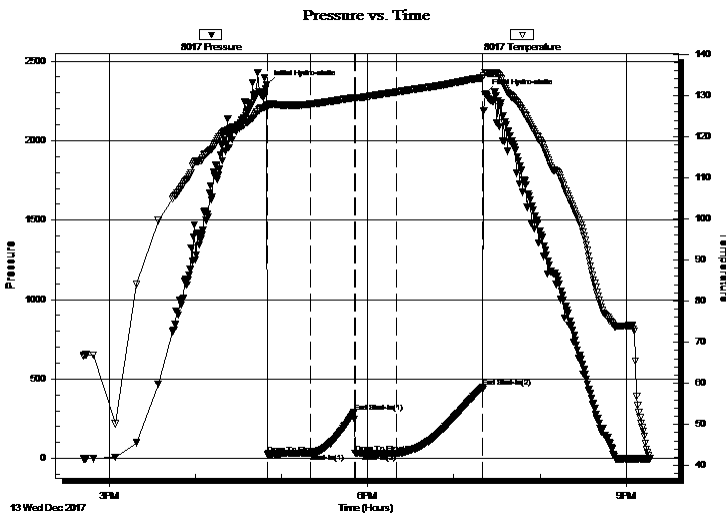
Serial #: 8017

Outside

Press@RunDepth: 31.62 psig @ 4698.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.12.13 End Date: 2017.12.13 Last Calib.: 2017.12.13
 Start Time: 14:42:05 End Time: 21:16:44 Time On Btm: 2017.12.13 @ 16:49:45
 Time Off Btm: 2017.12.13 @ 19:22:00

TEST COMMENT: 30 - IF: Blow built to 1/2", died back, dead at 30 min.
 30 - IS: No blow
 30 - FF: No blow
 60 - FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2351.48	127.77	Initial Hydro-static
1	28.76	127.03	Open To Flow (1)
31	30.97	127.89	Shut-In(1)
61	290.89	129.48	End Shut-In(1)
62	31.54	129.42	Open To Flow (2)
91	31.62	130.85	Shut-In(2)
151	449.55	134.28	End Shut-In(2)
153	2293.79	135.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DNR Oil & Gas Inc

1-2s-42w Cheyenne,KS

12741 E Caley Unit 142
Centennial, CO 80111

Clark #42-01D

Job Ticket: 63441

DST#: 2

ATTN: Tim Lauer

Test Start: 2017.12.13 @ 14:42:00

Tool Information

Drill Pipe:	Length: 4686.00 ft	Diameter: 3.80 inches	Volume: 65.73 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 65.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4697.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	59.00 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			4677.00	
Shut In Tool	5.00			4682.00	
Hydraulic tool	5.00			4687.00	
Packer	5.00			4692.00	21.00 Bottom Of Top Packer
Packer	5.00			4697.00	
Packer - Shale	0.00			4697.00	
Stubb	1.00			4698.00	
Recorder	0.00	6625	Inside	4698.00	
Recorder	0.00	8017	Outside	4698.00	
Perforations	34.00			4732.00	
Bullnose	3.00			4735.00	38.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DNR Oil & Gas Inc

1-2s-42w Cheyenne,KS

12741 E Caley Unit 142
Centennial, CO 80111

Clark #42-01D

Job Ticket: 63441

DST#: 2

ATTN: Tim Lauer

Test Start: 2017.12.13 @ 14:42:00

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100%	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

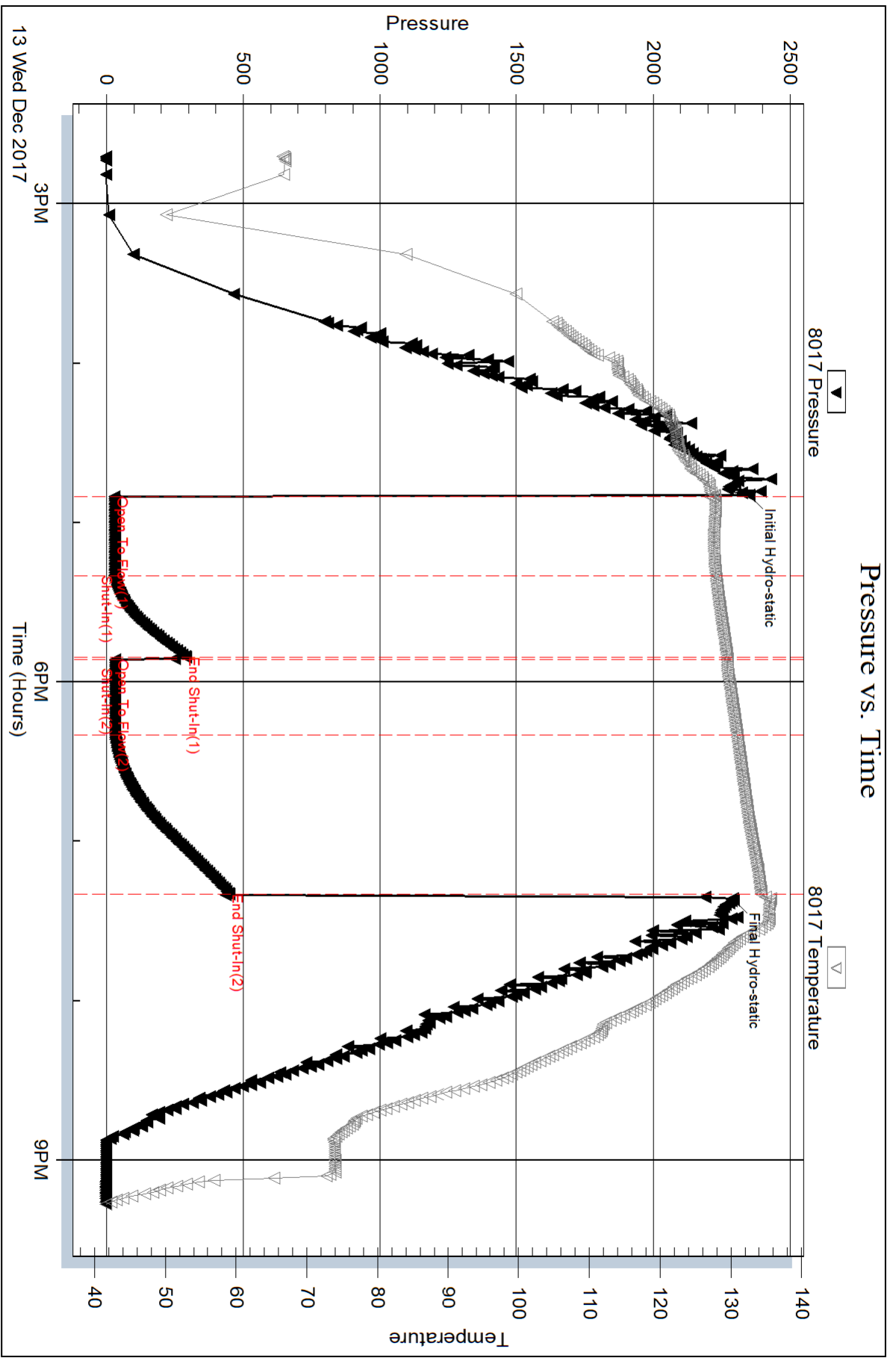
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



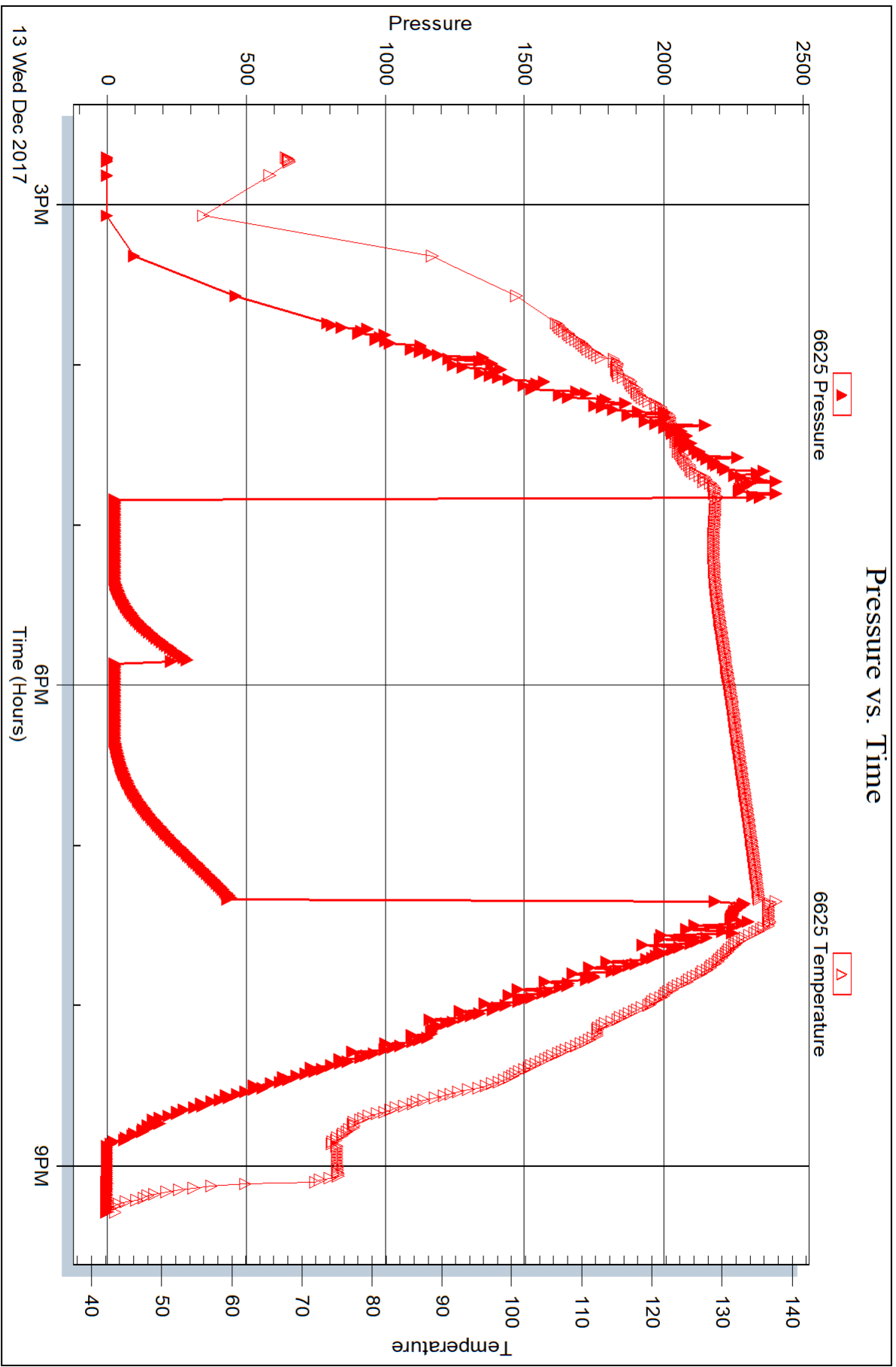
Serial #: 6625

Inside

DNR Oil & Gas Inc

Clark #42-01D

DST Test Number: 2



13 Wed Dec 2017

Trilobite Testing, Inc

Ref. No: 63441

Printed: 2017.12.18 @ 13:46:14



DRILL STEM TEST REPORT

Prepared For: **DNR Oil & Gas Inc**

12741 E Caley Unit 142
Centennial, CO 80111

ATTN: Tim Lauer

Clark #42-01D

1-2s-42w Cheyenne,KS

Start Date: 2017.12.14 @ 11:57:00

End Date: 2017.12.14 @ 20:11:45

Job Ticket #: 63442 DST #: 3

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

Printed: 2017.12.18 @ 13:42:28

DNR Oil & Gas Inc
1-2s-42w Cheyenne,KS
Clark #42-01D
DST # 3
LKC: "K"
2017.12.14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

DNR Oil & Gas Inc
12741 E Caley Unit 142
Centennial, CO 80111
ATTN: Tim Lauer

1-2s-42w Cheyenne, KS

Clark #42-01D

Job Ticket: 63442

DST#: 3

Test Start: 2017.12.14 @ 11:57:00

GENERAL INFORMATION:

Formation: **LKC "K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:04:45
 Time Test Ended: 20:11:45
 Interval: **4784.00 ft (KB) To 4800.00 ft (KB) (TVD)**
 Total Depth: 4800.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 3601.00 ft (KB)
 3593.00 ft (CF)
 KB to GR/CF: 8.00 ft

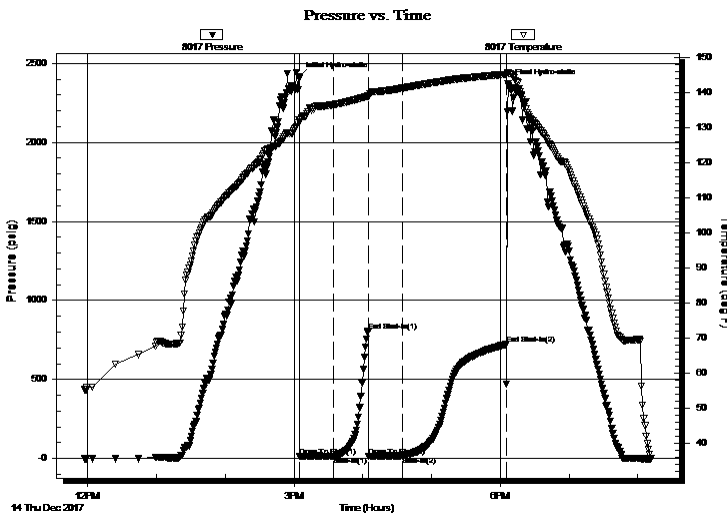
Serial #: 8017

Outside

Press@RunDepth: 16.97 psig @ 4785.00 ft (KB)
 Start Date: 2017.12.14 End Date: 2017.12.14
 Start Time: 11:57:05 End Time: 20:11:44
 Capacity: 8000.00 psig
 Last Calib.: 2017.12.14
 Time On Btm: 2017.12.14 @ 15:04:30
 Time Off Btm: 2017.12.14 @ 18:06:45

TEST COMMENT: 30 - IF: Blow built to 1"
 30 - IS: No blow back
 30 - FF: 1/8" Blow at open, died back, dead at 14 min.
 90 - FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2415.14	132.20	Initial Hydro-static
1	12.70	131.53	Open To Flow (1)
30	14.82	136.52	Shut-In(1)
60	808.02	138.97	End Shut-In(1)
61	12.67	138.89	Open To Flow (2)
90	16.97	141.22	Shut-In(2)
181	722.50	145.15	End Shut-In(2)
183	2372.00	145.69	Final Hydro-static

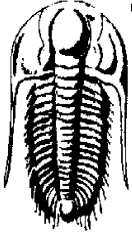
Recovery

Length (ft)	Description	Volume (bbl)
20.00	OM 56% m, 44% o	0.28

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DNR Oil & Gas Inc
12741 E Caley Unit 142
Centennial, CO 80111
ATTN: Tim Lauer

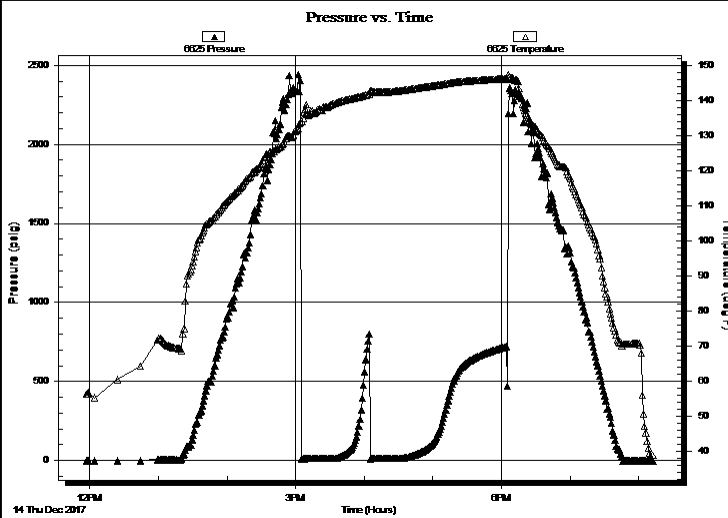
1-2s-42w Cheyenne,KS
Clark #42-01D
Job Ticket: 63442 **DST#: 3**
Test Start: 2017.12.14 @ 11:57:00

GENERAL INFORMATION:

Formation: **LKC "K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:04:45
Time Test Ended: 20:11:45
Interval: **4784.00 ft (KB) To 4800.00 ft (KB) (TVD)**
Total Depth: 4800.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 83
Reference Elevations: 3601.00 ft (KB)
3593.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6625 Inside
Press@RunDepth: psig @ 4785.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.12.14 End Date: 2017.12.14 Last Calib.: 2017.12.14
Start Time: 11:57:05 End Time: 20:12:14 Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF: Blow built to 1"
30 - IS: No blow back
30 - FF: 1/8" Blow at open, died back, dead at 14 min.
90 - FS: No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OM 56% m, 44% o	0.28

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DNR Oil & Gas Inc

1-2s-42w Cheyenne,KS

12741 E Caley Unit 142
Centennial, CO 80111

Clark #42-01D

Job Ticket: 63442

DST#: 3

ATTN: Tim Lauer

Test Start: 2017.12.14 @ 11:57:00

Tool Information

Drill Pipe:	Length: 4779.00 ft	Diameter: 3.80 inches	Volume: 67.04 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 72000.00 lb
			<u>Total Volume: 67.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4784.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	37.00 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			4764.00	
Shut In Tool	5.00			4769.00	
Hydraulic tool	5.00			4774.00	
Packer	5.00			4779.00	21.00 Bottom Of Top Packer
Packer	5.00			4784.00	
Packer - Shale	0.00			4784.00	
Stubb	1.00			4785.00	
Recorder	0.00	6625	Inside	4785.00	
Recorder	0.00	8017	Outside	4785.00	
Perforations	12.00			4797.00	
Bullnose	3.00			4800.00	16.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DNR Oil & Gas Inc

1-2s-42w Cheyenne,KS

12741 E Caley Unit 142
Centennial, CO 80111

Clark #42-01D

Job Ticket: 63442

DST#: 3

ATTN: Tim Lauer

Test Start: 2017.12.14 @ 11:57:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OM 56% _m , 44% _o	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

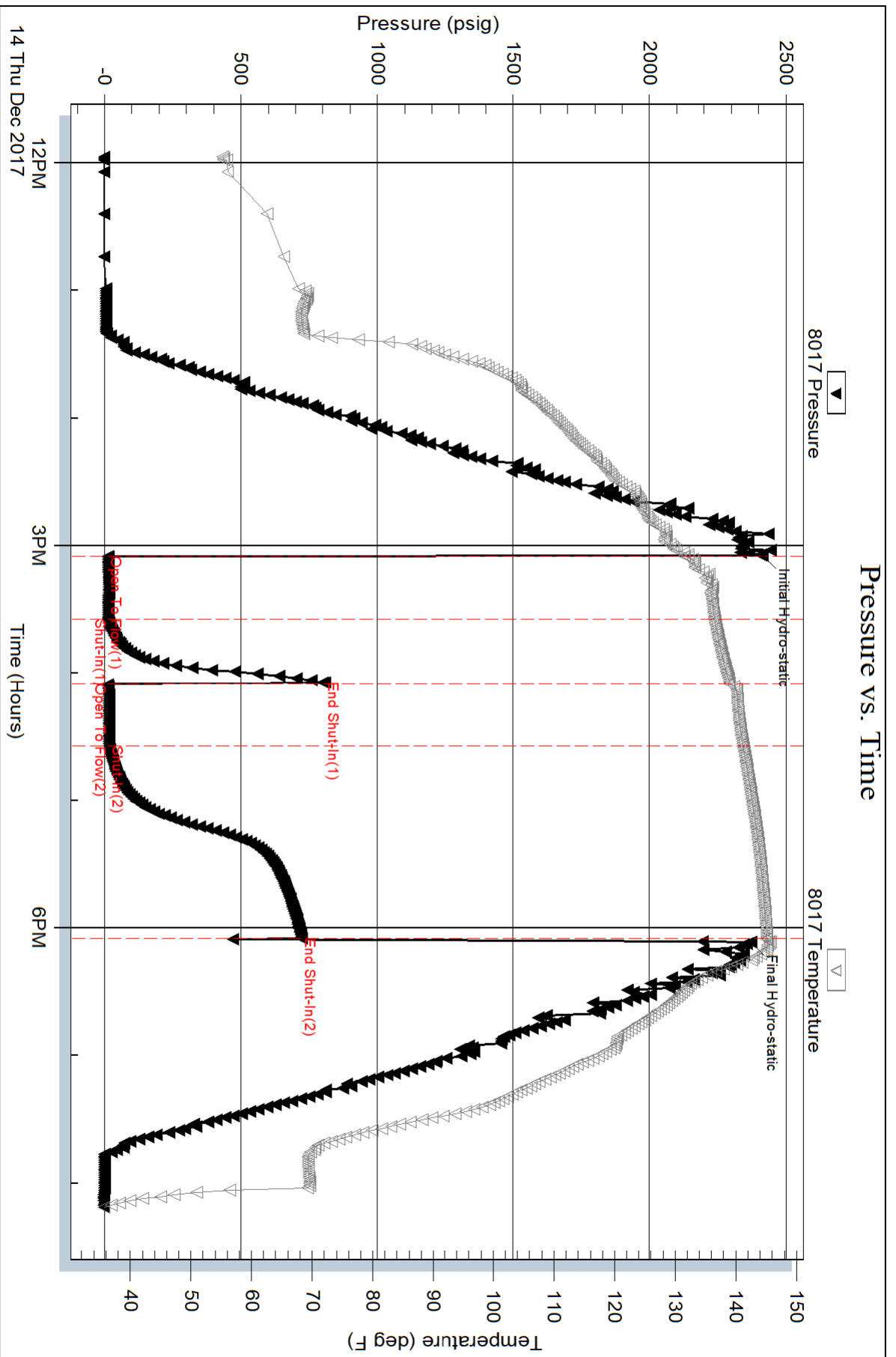
Recovery Comments:

Serial #: 8017

Outside DNR Oil & Gas Inc

Clark #42-01D

DST Test Number: 3



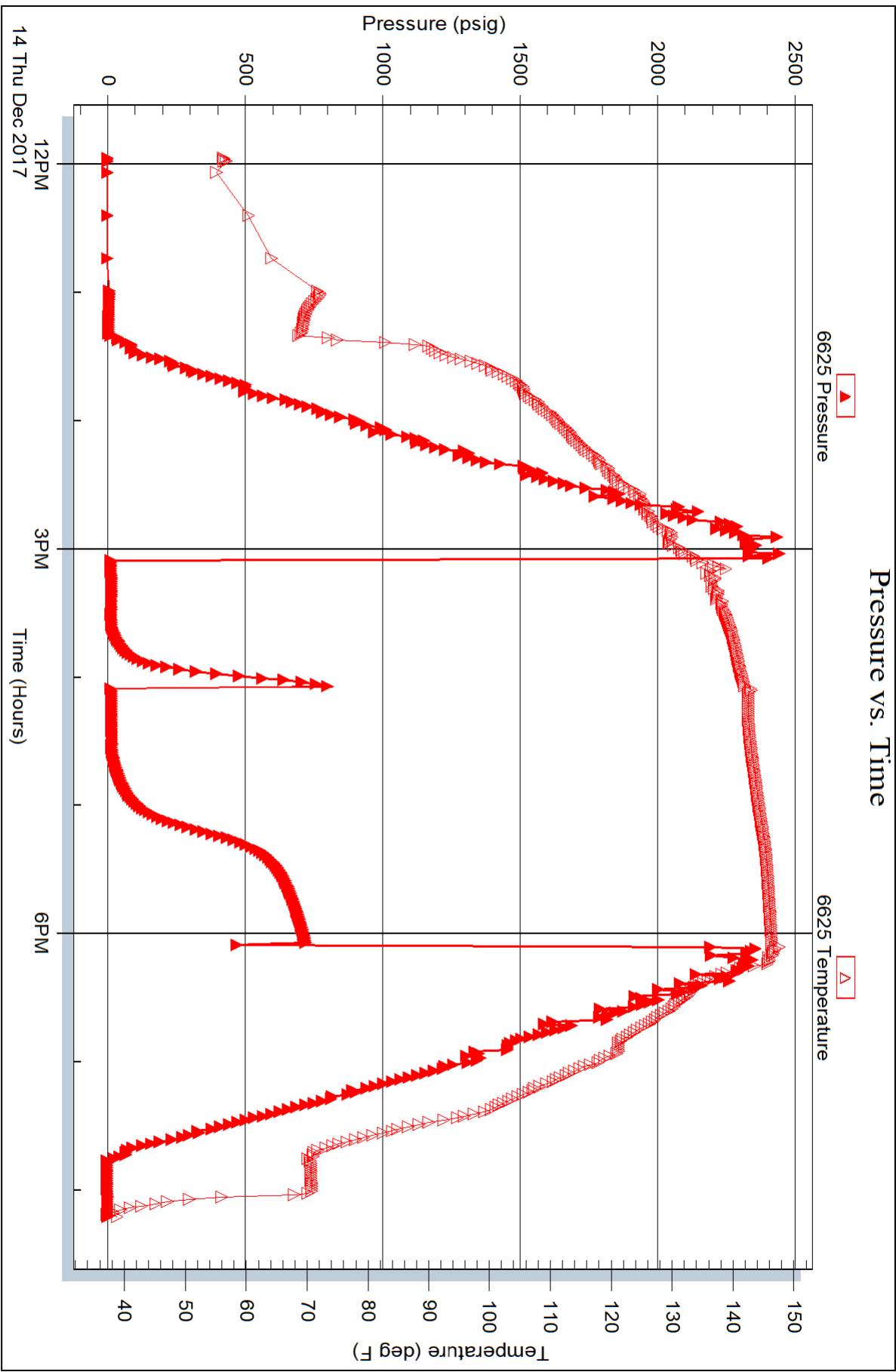
Serial #: 6625

Inside

DNR Oil & Gas Inc

Clark #42-01D

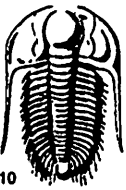
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 63442

Printed: 2017.12.18 @ 13:42:29



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63440

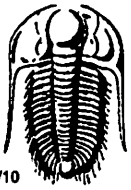
Well Name & No. Clark # 42-01D Test No. 1 Date 12-13-17
 Company DNR Oil & Gas Inc Elevation 3601 KB 3593 GL
 Address 12741 E Caley Unit 142 Centennial CO 80111
 Co. Rep / Geo. Tim Lauer Rig Duke #4
 Location: Sec. 1 Twp. 2S Rge. 42w Co. Cheyenne State KS

Interval Tested 4697 - 4735 Zone Tested Lans. "J"
 Anchor Length 38 Drill Pipe Run _____ Mud Wt. 9.0
 Top Packer Depth 4692 Drill Collars Run - Vis 66
 Bottom Packer Depth 4697 (Shak) Wt. Pipe Run - WL 7.6
 Total Depth 4735 Chlorides 500 ppm System LCM 5 1/2
 Blow Description Hit tight spot on ~~36~~²⁶th stand in
Bridged off 1/2 way on ~~30~~³⁰th stand in
Pulled tool

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm
 (A) Initial Hydrostatic _____ Test 950 T-On Location 2:45
 (B) First Initial Flow _____ Jars _____ T-Started 4:52
 (C) First Final Flow _____ Safety Joint _____ T-Open _____
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled _____
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 7:50
 (F) Second Final Flow _____ Mileage 178 RT 133.50 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1333.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1333.50

Approved By _____ Our Representative James Woods
 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. 63441

Well Name & No. Clark #42-01D Test No. 2 Date 12-13-17
 Company DNR Oil + Gas Inc Elevation 3601 KB 3593 GL
 Address 12741 E Caley Unit 142 Centennial CO 80111
 Co. Rep / Geo. Tim Lauer Rig Duke #4
 Location: Sec. 1 Twp. 2s Rge. 42w Co. Cheyenne State KS

Interval Tested 4697 - 4735 Zone Tested Lans. "J"
 Anchor Length 38 Drill Pipe Run 4686 Mud Wt. 9.0
 Top Packer Depth 4692 Drill Collars Run - Vis 65
 Bottom Packer Depth 4697 (shale) Wt. Pipe Run - WL 7.6
 Total Depth 4735 Chlorides 500 ppm System LCM 5

Blow Description IF: Blow built to 1/2", died back, dead at 30 min
ISI: No blow
FF: No blow
FSI: No blow

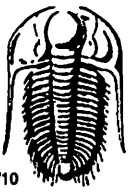
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 134 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2351 Test 1150 T-On Location 14:30
 (B) First Initial Flow 29 Jars _____ T-Started 14:42
 (C) First Final Flow 31 Safety Joint _____ T-Open 16:50
 (D) Initial Shut-In 291 Circ Sub _____ T-Pulled 19:20
 (E) Second Initial Flow 32 Hourly Standby _____ T-Out 21:15
 (F) Second Final Flow 32 Mileage _____ Comments _____
 (G) Final Shut-In 450 Sampler _____
 (H) Final Hydrostatic 2294 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1400
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1400

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 60
 Approved By Tim J. Lauer Our Representative James Winder

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. 63442

Well Name & No. Clark # 42-01D Test No. 3 Date 12-14-17
 Company DNR Oil & Gas Inc Elevation 3601 KB 3593 GL
 Address 12741 E Caley Unit 142 Centennial CO 80111
 Co. Rep / Geo. Tim Lauer Rig Duke #4
 Location: Sec. 1 Twp. 2s Rge. 42w Co. Cheyenne State KS

Interval Tested 4784 - 4800 Zone Tested Lans "K"
 Anchor Length 16 Drill Pipe Run 4779 Mud Wt. 9.3
 Top Packer Depth 4779 Drill Collars Run - Vis 58
 Bottom Packer Depth 4784 (shale) Wt. Pipe Run - WL 7.6
 Total Depth 4800 Chlorides 500 ppm System LCM 8

Blow Description IF: Blow built to 1"
ISI: No blowback
FF: 1/8" Blow at open, died back, dead at 14 min.
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>0m</u>	<u>44</u>	<u>-</u>	<u>56</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 145 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2415 Test 1150 T-On Location 11:00
 (B) First Initial Flow 13 Jars _____ T-Started 11:57
 (C) First Final Flow 15 Safety Joint _____ T-Open 15:04
 (D) Initial Shut-In 808 Circ Sub _____ T-Pulled 18:05
 (E) Second Initial Flow 13 Hourly Standby _____ T-Out 20:10
 (F) Second Final Flow 17 Mileage 178 RT 133.50+133.50 Comments Tools loaded 12:00
 (G) Final Shut-In 723 Sampler _____ 12-17
 (H) Final Hydrostatic 2372 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 1600
 Day Standby x2 1.5d 27.5h Total 1667+1600
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1667.00

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 90

Approved By [Signature] Our Representative James Winkler

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