

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](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No 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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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2354

Date	7-3-21	Sec.	11	Twp.	6	Range	20	County	Rooks	State	KS	On Location		Finish	1:15 AM
								Location	Webster V ARD W to 5 RD 3/45 E into						

Lease	D/G Hansen		Well No.	1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Contractor	Discovery #2				Charge To	Jasper Company									
Type Job	Surface				Street										
Hole Size	12 1/4		T.D.	223	City										
Csg.	8 5/8		Depth	222	State										
Tbg. Size			Depth		The above was done to satisfaction and supervision of owner agent or contractor.										
Tool			Depth		Cement Amount Ordered 150 80/20 3:1.4 2:1.4E1										
Cement Left in Csg.	10		Shoe Joint												
Meas Line			Displace	13 1/2 BCL											

**EQUIPMENT**

Pumptrk	No. 716	Cementer	Craig	Common	120
		Helper	David	Poz. Mix	30
Bulktrk	No.	Driver		Gel.	3
Bulktrk	9	Driver	Tony	Calcium	6

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
8 5/8 on bottom. Est. Circulation	Sand
Mix 150SK + Displace.	Handling 139
	Mileage

**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge Surface
	Mileage 46

Signature	<i>[Signature]</i>	Tax	
		Discount	
		Total Charge	

Thanks



## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

**PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

**TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

**SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



Scale 1:240 Imperial

Well Name: D.G. HANSEN #1  
Surface Location: SE NW NE NE, Sec. 11, T6S, R20W  
Bottom Location:  
API: 15-163-24399  
License Number: 34903  
Spud Date: 7/2/2021 Time: 4:15 PM  
Region: ROOKS COUNTY  
Drilling Completed: 7/9/2021 Time: 8:10 AM  
Surface Coordinates: 340' FNL & 840' FEL  
Bottom Hole Coordinates:  
Ground Elevation: 2081.00ft  
K.B. Elevation: 2089.00ft  
Logged Interval: 3000.00ft To: 3537.00ft  
Total Depth: 3537.00ft  
Formation: REAGAN SAND  
Drilling Fluid Type: CHEMICAL

#### OPERATOR

Company: JASPAR CO. INC.  
Address: P.O. BOX 1120

Contact Geologist: SHANE VEHIGE  
Contact Phone Nbr: (785) 623-6982  
Well Name: D.G. HANSEN #1  
Location: SE NW NE NE, Sec. 11, T6S, R20W  
API: 15-163-24399  
Pool: Field: EDGAR  
State: KS Country:

#### SURFACE CO-ORDINATES

Well Type: Vertical  
Longitude: -99.51187  
Latitude: 39.55249  
N/S Co-ord: 340' FNL  
E/W Co-ord: 840' FEL

#### LOGGED BY

Company:  
Address: 2511 E 19TH  
HAYS, KS 67601

Phone Nbr: (785) 639-0721  
Logged By: Geologist Name: CAMERON BRIN

#### CONTRACTOR

Contractor: DISCOVERY DRILLING  
Rig #: 2  
Rig Type: MUD ROTARY  
Spud Date: 7/2/2021 Time: 4:15 PM  
TD Date: 7/9/2021 Time: 8:10 AM  
Rig Release: 7/10/2021 Time: 3:30 AM

#### ELEVATIONS

K.B. Elevation: 2089.00ft Ground Elevation: 2081.00ft  
K.B. to Ground: 8.00ft

**NOTES**

DUE TO POSITIVE RESULTS IN DST #1, DECISION WAS MADE TO RUN 5 1/2" PRODUCTION CASING TO FURTHER EVALUATE THE D.G. HANSEN #1 WELL

**TOPS COMPARISON**

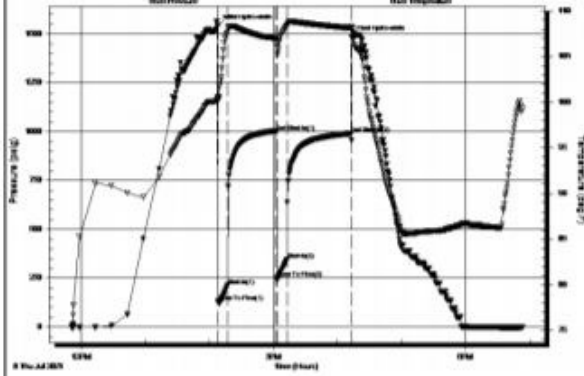
FORMATION	D.G. HANSEN #1 N2 SE SW SE, Sec. 2, T6S, R20W								P&A 12/5/78 HANSEN ESTATE #2 BRANDT OIL W2, SE, NW, NE, Sec. 11, T6S, R20W				P&A 4/9/2012 HANSEN FOUNDATION #3 K&E PETROLEUM E2 SE NE NE, Sec. 11, T6S, R20W				● COLE #1 JASPAR CO. INC. SW SW SW, Sec. 1, T6S, R20W									
	KB		2089		GL		2081		KB		2082		KB		2115		KB		2106		KB		2066			
	LOG TOPS		SAMPLE TOPS		LOG		LOG		CORR.		SMPL.		COMP. CARD		LOG		CORR.		SMPL.		COMP. CARD		LOG		CORR.	
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM
ANHYDRITE TOP	1673	416	1672	417	1666	416	+ 0	+ 1	1699	416	+ 0	+ 1	1692	414	+ 2	+ 3	1647	419	- 3	- 2						
BASE	1705	384	1704	385	1695	387	- 3	- 2					1722	384	+ 0	+ 1	1677	389	- 5	- 4						
TOPEKA	3071	-982	3071	-982	3070	-988	+ 6	+ 6	3099	-984	+ 2	+ 2	3095	-989	+ 7	+ 7	3056	-990	+ 8	+ 8						
HEBNER SHALE	3265	-1176	3265	-1176	3266	-1184	+ 8	+ 8	3297	-1182	+ 6	+ 6	3289	-1183	+ 7	+ 7	3254	-1188	+ 12	+ 12						
TORONTO	3288	-1199	3287	-1198	3289	-1207	+ 8	+ 9	3319	-1204	+ 5	+ 6	3312	-1206	+ 7	+ 8	3276	-1210	+ 11	+ 12						
LKC	3301	-1212	3300	-1211	3304	-1222	+ 10	+ 11	3333	-1218	+ 6	+ 7	3325	-1219	+ 7	+ 8	3290	-1224	+ 12	+ 13						
BKC	3495	-1406	3497	-1408	3500	-1418	+ 12	+ 10	3531	-1416	+ 10	+ 8	3520	-1414	+ 8	+ 6	3487	-1421	+ 15	+ 13						
REAGAN SAND					3554	-1472							3577	-1471												
GRANITE			3532	-1443					3581	-1466		+ 23														
TOTAL DEPTH	3534	-1445	3537	-1448	3557	-1475	+ 30	+ 27	3596	-1481	+ 36	+ 33	3575	-1469	+ 24	+ 21	3525	-1459	+ 14	+ 11						

**ANHYDRITE**



**DST #1 3258'-3318' (TORONTO- LKC 'A')**

	<b>DRILL STEM TEST REPORT</b>	
	Jasper Oil co P.O.Box 1120 Hays, KS 67601 ATTN: Cameron Brin	11_6_20 Rooks, KS <b>D.G. Hansen Edgar #1</b> Job Ticket: 67776 <b>DST#: 1</b> Test Start: 2021.07.08 @ 11:51:05
<b>GENERAL INFORMATION:</b>		
Formation: <b>Tor and LKC A</b> Deviated: No Whipstock      ft (KB) Time Tool Opened: 14:08:15 Time Test Ended: 18:52:45	Test Type: Conventional Bottom Hole (Initial) Tester: Dustin Day Unit No: 70	
Interval: <b>3258.00 ft (KB) To 3318.00 ft (KB) (TVD)</b> Total Depth: 3318.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair	Reference Elevations: 2089.00 ft (KB) 2082.00 ft (CF) KB to GR/CF: 7.00 ft	
<b>Serial #: 6625</b> <b>Inside</b> Press@RunDepth: 344.26 psig @ 3259.00 ft (KB) Start Date: 2021.07.08      End Date: 2021.07.08 Start Time: 11:51:05      End Time: 18:52:44	Capacity: 8000.00 psig Last Calib.: 2021.07.08 Time On Btm: 2021.07.08 @ 14:07:45 Time Off Btm: 2021.07.08 @ 16:13:14	
<b>TEST COMMENT:</b> IF BOB in 1 Min. Built to 76" S1 BOB in 22 Min. Built to 29.5" FF BOB in 1 Min. Built to 80" S2 BOB in 14 Min. Built to 31"		
Pressure vs. Time	<b>PRESSURE SUMMARY</b>	



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1541.54	100.45	Initial Hydro-static
1	131.05	100.29	Open To Flow (1)
9	212.55	107.66	Shut-in(1)
55	1001.47	106.96	End Shut-in(1)
56	251.75	106.69	Open To Flow (2)
65	344.26	108.37	Shut-in(2)
125	990.46	108.14	End Shut-in(2)
126	1484.43	108.28	Final Hydro-static

Length (ft)	Description	Volume (bbl)
180.00	GMCO 50 gas 25 oil 25 mud	2.26
700.00	GO 20 gas 80 Oil	9.82
0.00	660' gas in pipe	0.00

Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)

Tribolite Testing, Inc Ref. No: 67776 Printed: 2021.07.08 @ 22:46:45

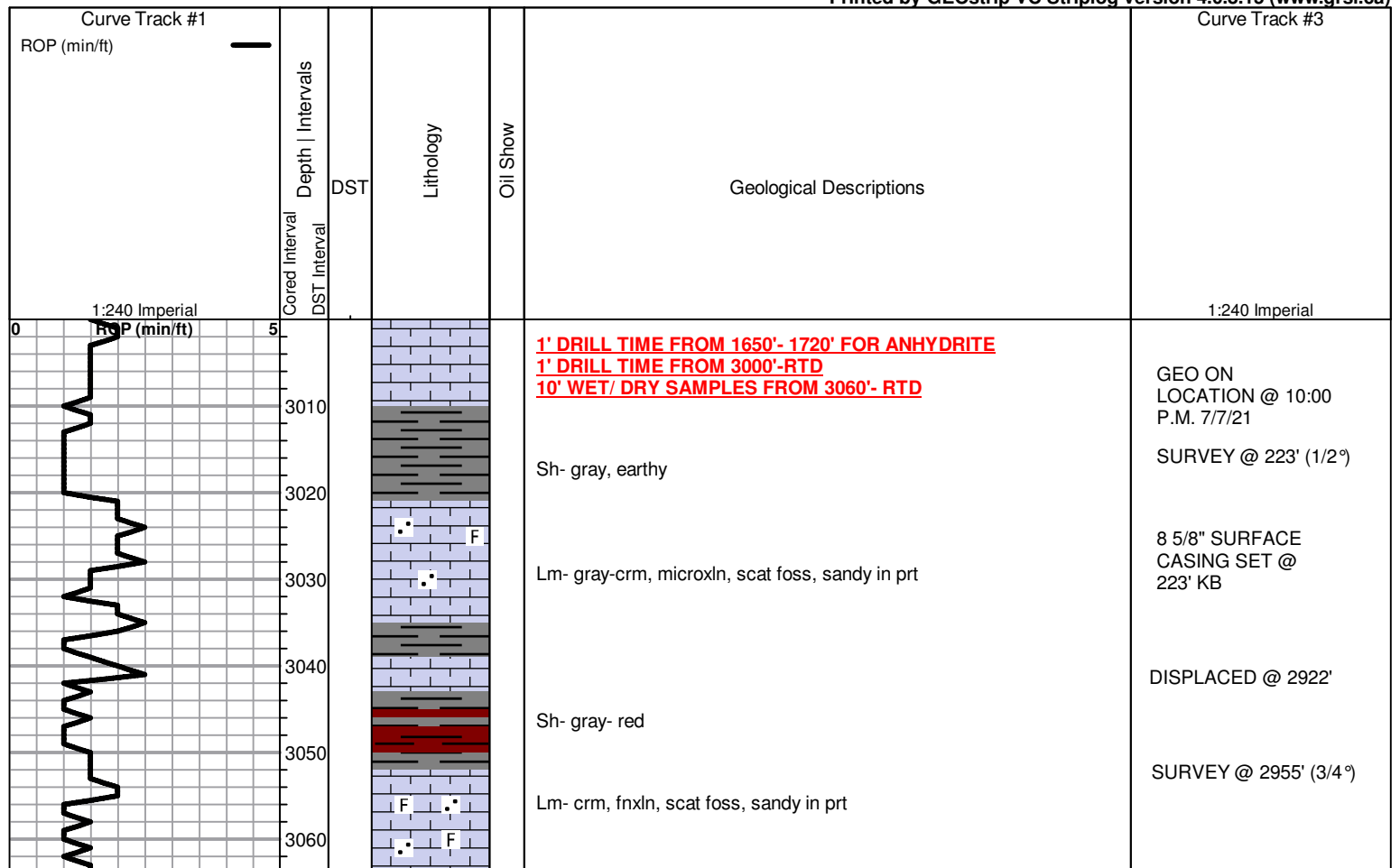
### ROCK TYPES

	Lmst fw7> shale, grn		shale, gry		shale, red
	shale, grn		Carbon Sh		Ignebasic

### ACCESSORIES

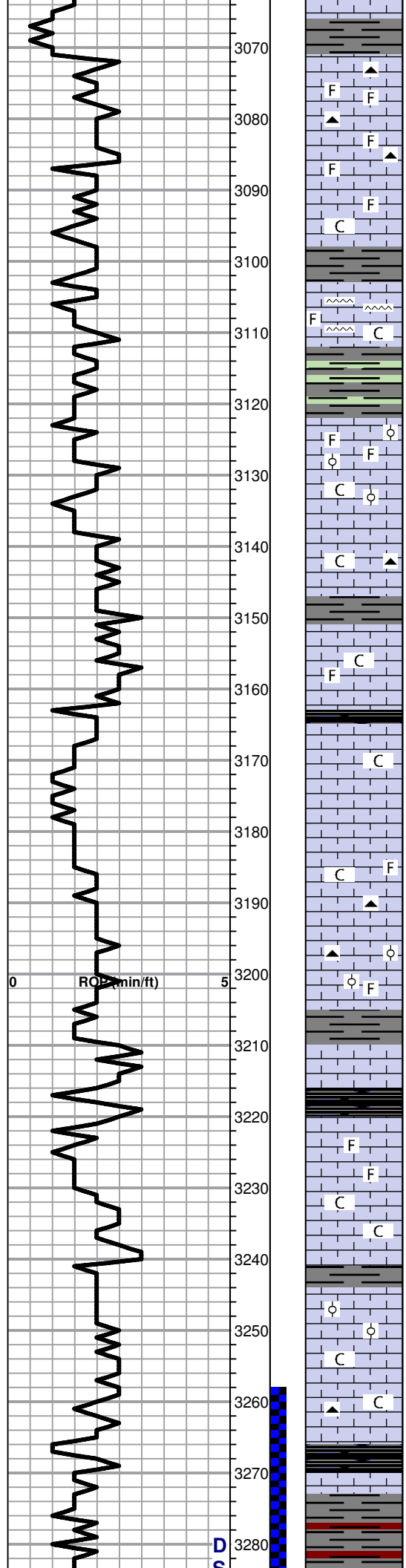
<b>MINERAL</b>	<b>FOSSIL</b>	<b>STRINGER</b>	<b>TEXTURE</b>
▲ Chert, dark	F Fossils < 20%	~ Chert	C Chalky
• Sandy	○ Oolite		
	⊕ Oomoldic		

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)



GEO ON LOCATION @ 10:00 P.M. 7/7/21  
 SURVEY @ 223' (1/2°)  
 8 5/8" SURFACE CASING SET @ 223' KB  
 DISPLACED @ 2922'  
 SURVEY @ 2955' (3/4°)





Sh- red- gray, sli sandy, earthy, scat brn chert

**TOPEKA: SPL 3071' (-982) LOG 3071' (-982)**

Lm- crm, fnxln, sli sucrosic, scat foss, scat pr inxln por, NSO

Lm- gray- tan, v.fnxln, foss, cherty

Lm- crm, microxln, few scat foss, chalky in prt

Lm- crm-gray, v.fnxln, scat foss, chalky in prt, scat brn-gray chert

Sh- gray-green, scat sandy, waxy

Lm- crm, fnxln, foss throughout, oolitic, chalky in prt, friable

Lm- crm, v.fnxln, scat foss, chalky in prt, scat brn-wt chert

Lm- crm-tan, v.fnxln, scat foss, chalky

Sh- blk, carb

Lm- crm-tan, v.fnxln, sandy, chalky in prt

Lm- crm-tan, v.fnxln, foss in prt, barren, mostly dnse, scat chalky, scat brn chert

Lm- crm, v.fnxln, foss, oolitic in prt, dnse, tight

Sh- gray- green- red, sandy

Sh- blk, carb

Lm- crm, fnxln, scat foss, scat pr inxln-ppt por, few scat pcs pr-fr infoss por, pr brn stn, sli sheen FO in cup, fr odor

Lm- crm, v.fnxln, scat foss, mostly dnse, scat chalky

Lm- crm-tan, v.fnxln, oolitic, dnse

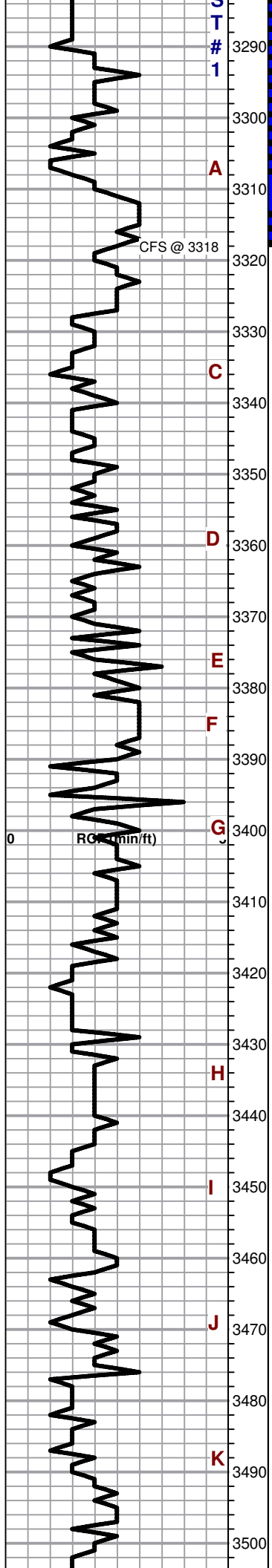
Lm- crm, v.fnxln, scat foss, sli chalky

Lm- crm, v.fnxln, mostly dnse, sli cherty

**HEEBNER: SPL 3265' (-1176) LOG 3265' (-1176)**

Sh- blk, carb

Sh- gray-red, sli muddy wash



**TORONTO: SPL 3287' (-1198) LOG 3288 (-1199)**

Lm- crm, fnxln, fairly dnse, scat pr w/ a few pcs fr inxln-ppt por w/ scat vugs, pr-fr v. lt brn stn in pors, fr sheen FO in cup, few oil droplets when heated, fr odor

**LKC: SPL 3300' (-1211) LOG 3301 (-1212)**

Lm- crm, fnxln, cherty in prt, scat foss, oolitic in prt, scat pr-fr inxln-infoss por, few scat vugs, pr-fr lt brn stn in pors, fr sheen FO in cup & spl, few oil droplets bled when heated, pr-fr odor

Lm- crm-wt, v.fnxln, dnse, cherty, barren

SURVEY @ 3318' (1/2°)

Sh- green, red, gray, sandy

STRAP 2.09'  
SHORT TO  
BOARD

Lm- crm, v.fnxln, scat foss, oolitic in prt, fairly dnse throughout, scat pr-fr inxln-infoss por, pr-fr lt brn stn in por, pr-fr sheen FO in cup, fr odor

Sh- red-green, sli muddy wash

**ALL SAMPLES FROM  
3350-3380 HAD A  
STRONG GASSY  
ODOR MOST LIKELY  
FROM THE WASH  
GAS USED TO CLEAN  
THE RIG AFTER DST 1**

Lm- crm, v.fnxln, scat foss, few scat pcs pr inxln-infoss por, pr brn stn, sli sheen FO in cup

Lm- crm, v.fnxln oolitic, scat pr oolitic por w/ few scat pcs fr, pr brn stn in por, sli sheen FO in cup

Lm- crm, fnxln, oolitic, scat pr-fr oolitic- oomoldic por, pr-fr lt brn stn, sli sheen FO in cup & droplets when heated, sli odor

Lm- crm, microxln, cherty, chalky

Lm- A/A scat foss

Sh- blk carb

Sh- red-gray, sandy in prt  
Chert- brn-wt

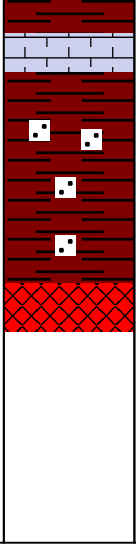
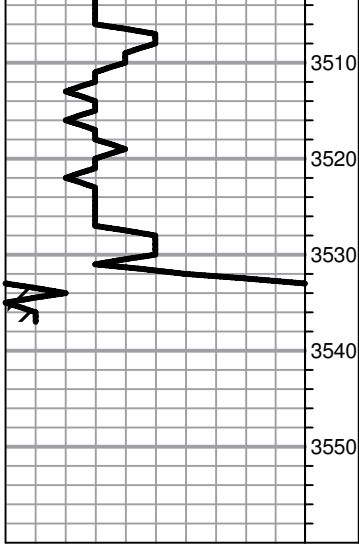
Lm- crm, v.fnxln scat foss, chalky in prt

Lm- crm-tan,fnxln, scat foss, oolitic in prt, scat pr-fr inxln-infoss por, few scat pcs fr oomoldic por, pr-fr brn stn & sat, pr-fr SFO bleeding when heated, sli odor

Lm- crm, fnxln, oolitic, scat fr inxln- oomoldic por, fr blk stn & sat, sli sheen FO in cup sli odor

Lm- crm, fnxln, oolitic, few scat pcs pr inxln por, por brn stn, sli SFO in cup, sli odor

**BKC: SPL 3497' (-1408) LOG 3495' (-1406)**



Sh- brn- red

Sh- red, sandy

**GRANITE: SPL 3532' (-1443)**

Granite- clear-orange-pink, black flakes

**RTD: SPL 3537' (-1448) LOG 3534 (-1445)**

SURVEY @ RTD (3/4°)

GEO OFF LOCATION  
@ 4:30 P.M. 7/9/21

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2320

Date	7-9-21	Sec.	11	Twp.	6	Range	20	County	Rooks	State	KS	On Location		Finish	2:30 Am
------	--------	------	----	------	---	-------	----	--------	-------	-------	----	-------------	--	--------	---------

Location *NW Stockton, B on Webster N to A Rd*

Lease	<i>D.G. Hansen</i>		Well No.	<i>1</i>		Owner	<i>W to 5 Rd 345</i>	
Contractor	<i>Discovery</i>			<i>2</i>		To Quality Oilwell Cementing, Inc.		
Type Job	<i>Prod. Csg</i>		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Hole Size	<i>7 7/8</i>		T.D.	<i>3537</i>		Charge To	<i>Jasper Oil Co.</i>	
Csg.	<i>5 1/2 IS. 5</i>		Depth	<i>-</i>		Street		
Tbg. Size			Depth			City	State	
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.		
Cement Left in Csg.	<i>21</i>		Shoe Joint	<i>21</i>		Cement Amount Ordered	<i>10% salt 5% gilsonite</i>	

Meas Line	Displace		<i>83.6</i>		<i>500 Gal Flush 180</i>
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**EQUIPMENT**

Pumptrk	No.	Cementer Helper	<i>Bill</i>	Common	<i>180</i>
Bulktrk	No.	Driver	<i>David</i>	Poz. Mix	
Bulktrk	No.	Driver	<i>Doog</i>	Gel.	
Bulktrk	No.	Driver		Calcium	

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole <i>15</i>	Salt <i>13</i>
Mouse Hole <i>30</i>	Flowseal
Centralizers <i>7</i>	Kol-Seal <i>750#</i>
Baskets <i>4</i>	Mud CLR 48 <i>500 gal</i>
D/V or Port Collar <i>#47 1680.36</i>	CFL-117 or CD110 CAF 38
<i>pipe set 3534.66</i>	Sand
<i>Shoe Jt. 21</i>	Handling <i>200</i>
<i>Inserte 3513.66</i>	Mileage

**FLOAT EQUIPMENT**

<i>pump 500 gal Flush</i>	Guide Shoe
<i>Cement w/ 175</i>	Centralizer <i>7</i>
	Baskets <i>4</i>
<i>pump plug w/ 83 3/4 bls</i>	AFU Inserts
<i>Lead plug c 1300 #</i>	Float Shoe <i>1</i>
<i>Float did hold</i>	Latch Down <i>1</i>

*1 Port Collar*

	Pumptrk Charge <i>prod string</i>
	Mileage <i>46</i>

	Tax
	Discount
	Total Charge

X Signature *[Signature]*

*Thanks*



## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

– **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

– **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

– **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

– **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

– **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

– **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

– **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



## DRILL STEM TEST REPORT

Prepared For: **Jaspar Oil Co**

PO Box 1120  
Hays, KS 67601

ATTN: Cameron Brin

**DG Hansen Edgar #1**

**11-6s-20w Rooks,KS**

Start Date: 2021.07.08 @ 11:51:05

End Date: 2021.07.08 @ 18:52:45

Job Ticket #: 67776                      DST #: 1

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

Printed: 2021.07.14 @ 08:50:57



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Jaspar Oil Co  
PO Box 1120  
Hays, KS 67601  
ATTN: Cameron Brin

**11-6s-20w Rooks,KS**  
**DG Hansen Edgar #1**  
Job Ticket: 67776 **DST#: 1**  
Test Start: 2021.07.08 @ 11:51:05

## GENERAL INFORMATION:

Formation: **Toronto - LKC A**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 14:08:15  
Time Test Ended: 18:52:45  
Interval: **3258.00 ft (KB) To 3318.00 ft (KB) (TVD)**  
Total Depth: 3318.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Dustin Day  
Unit No: 70  
Reference Elevations: 2089.00 ft (KB)  
2082.00 ft (CF)  
KB to GR/CF: 7.00 ft

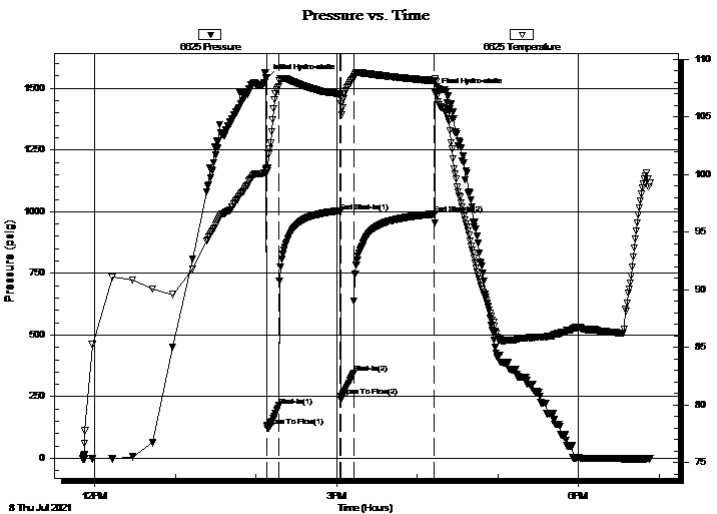
## Serial #: 6625

Inside

Press@RunDepth: 344.26 psig @ 3259.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.07.08 End Date: 2021.07.08 Last Calib.: 2021.07.08  
Start Time: 11:51:05 End Time: 18:52:44 Time On Btm: 2021.07.08 @ 14:07:45  
Time Off Btm: 2021.07.08 @ 16:13:14

TEST COMMENT: IF BOB in 1 Min. Built to 76"  
S11 BOB in 22 Min. Built to 29.5"  
FF BOB in 1 Min. Built to 80"  
S12 BOB in 14 Min. Built to 31"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1541.54	100.45	Initial Hydro-static
1	131.05	100.29	Open To Flow (1)
9	212.55	107.66	Shut-In(1)
55	1001.47	106.96	End Shut-In(1)
56	251.75	106.69	Open To Flow (2)
65	344.26	108.37	Shut-In(2)
125	990.46	108.14	End Shut-In(2)
126	1484.43	108.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	GMCO 50 gas 25 oil 25 mud	2.26
700.00	GO 20 gas 80 Oil	9.82
0.00	660' gas in pipe	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Jaspar Oil Co

**11-6s-20w Rooks,KS**

PO Box 1120  
Hays, KS 67601

**DG Hansen Edgar #1**

Job Ticket: 67776                      **DST#: 1**

ATTN: Cameron Brin

Test Start: 2021.07.08 @ 11:51:05

### GENERAL INFORMATION:

Formation: **Toronto - LKC A**

Deviated: No    Whipstock:                      ft (KB)

Time Tool Opened: 14:08:15

Time Test Ended: 18:52:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

**Interval: 3258.00 ft (KB) To 3318.00 ft (KB) (TVD)**

Reference Elevations: 2089.00 ft (KB)

Total Depth: 3318.00 ft (KB) (TVD)

2082.00 ft (CF)

Hole Diameter: 7.88 inches    Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 8167                      Outside**

Press@RunDepth:                      psig @ 3259.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.07.08

End Date:

2021.07.08

Last Calib.:

2021.07.08

Start Time: 11:51:05

End Time:

18:51:14

Time On Btm:

Time Off Btm:

TEST COMMENT: IF BOB in 1 Min. Built to 76"  
 S11 BOB in 22 Min. Built to 29.5"  
 FF BOB in 1 Min. Built to 80"  
 S12 BOB in 14 Min. Built to 31"

### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
180.00	GMCO 50 gas 25 oil 25 mud	2.26
700.00	GO 20 gas 80 Oil	9.82
0.00	660' gas in pipe	0.00

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Jaspar Oil Co

**11-6s-20w Rooks,KS**

PO Box 1120  
Hays, KS 67601

**DG Hansen Edgar #1**

Job Ticket: 67776

**DST#: 1**

ATTN: Cameron Brin

Test Start: 2021.07.08 @ 11:51:05

## Tool Information

Drill Pipe:	Length: 3225.00 ft	Diameter: 3.80 inches	Volume: 45.24 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3258.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	81.00 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			3238.00	
Shut In Tool	5.00			3243.00	
Hydraulic tool	5.00			3248.00	
Packer	5.00			3253.00	21.00 Bottom Of Top Packer
Packer	5.00			3258.00	
Stubb	1.00			3259.00	
Recorder	0.00	6625	Inside	3259.00	
Recorder	0.00	8167	Outside	3259.00	
Perforations	20.00			3279.00	
Change Over Sub	1.00			3280.00	
Drill Pipe	32.00			3312.00	
Change Over Sub	1.00			3313.00	
Perforations	1.00			3314.00	
Bullnose	4.00			3318.00	60.00 Bottom Packers & Anchor

**Total Tool Length: 81.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Jaspar Oil Co

**11-6s-20w Rooks,KS**

PO Box 1120  
Hays, KS 67601

**DG Hansen Edgar #1**

Job Ticket: 67776

**DST#: 1**

ATTN: Cameron Brin

Test Start: 2021.07.08 @ 11:51:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 400.00 ppm

Filter Cake: 3.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	GMCO 50 gas 25 oil 25 mud	2.261
700.00	GO 20 gas 80 Oil	9.819
0.00	660' gas in pipe	0.000

Total Length: 880.00 ft

Total Volume: 12.080 bbl

Num Fluid Samples: 0

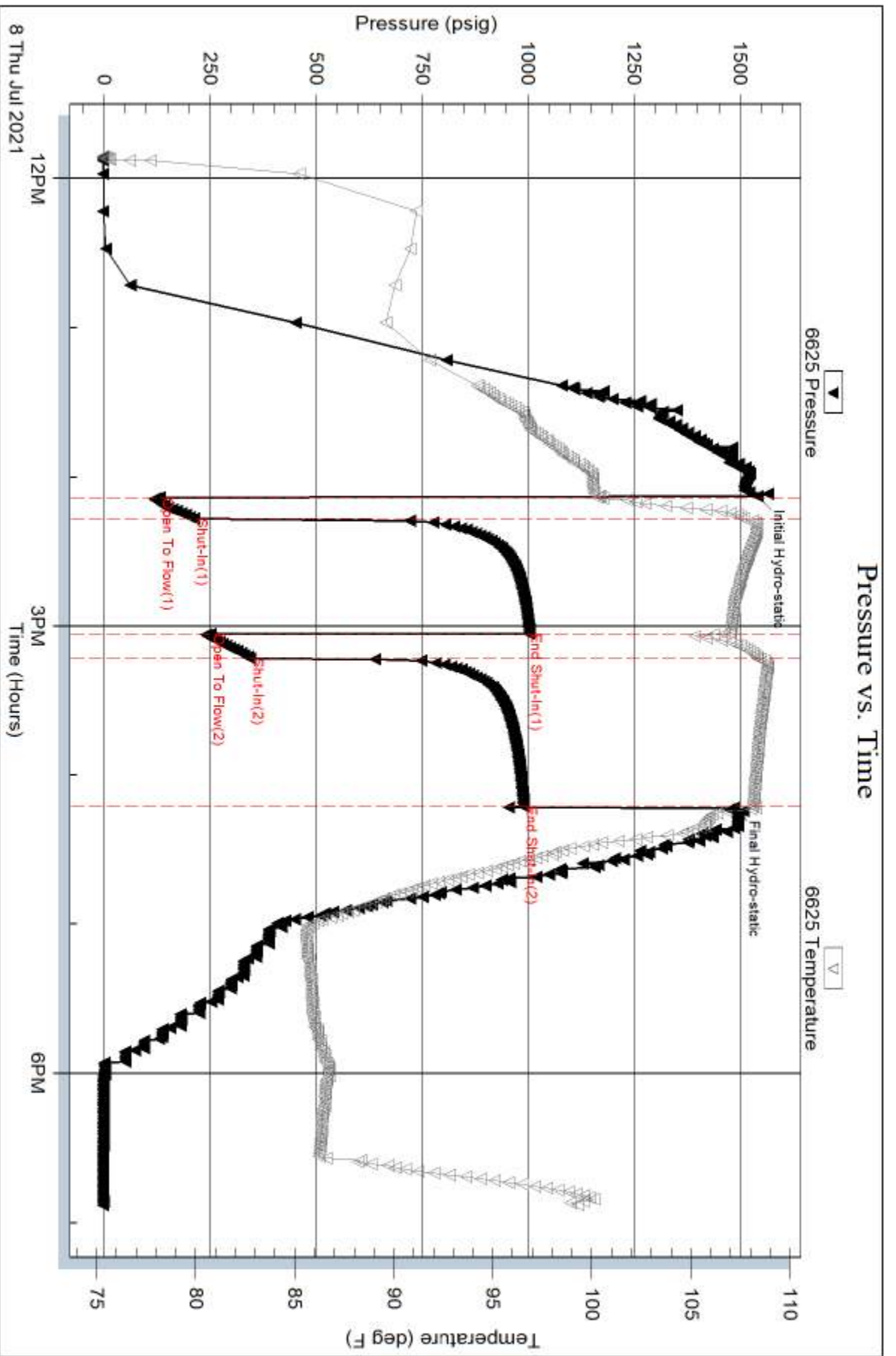
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

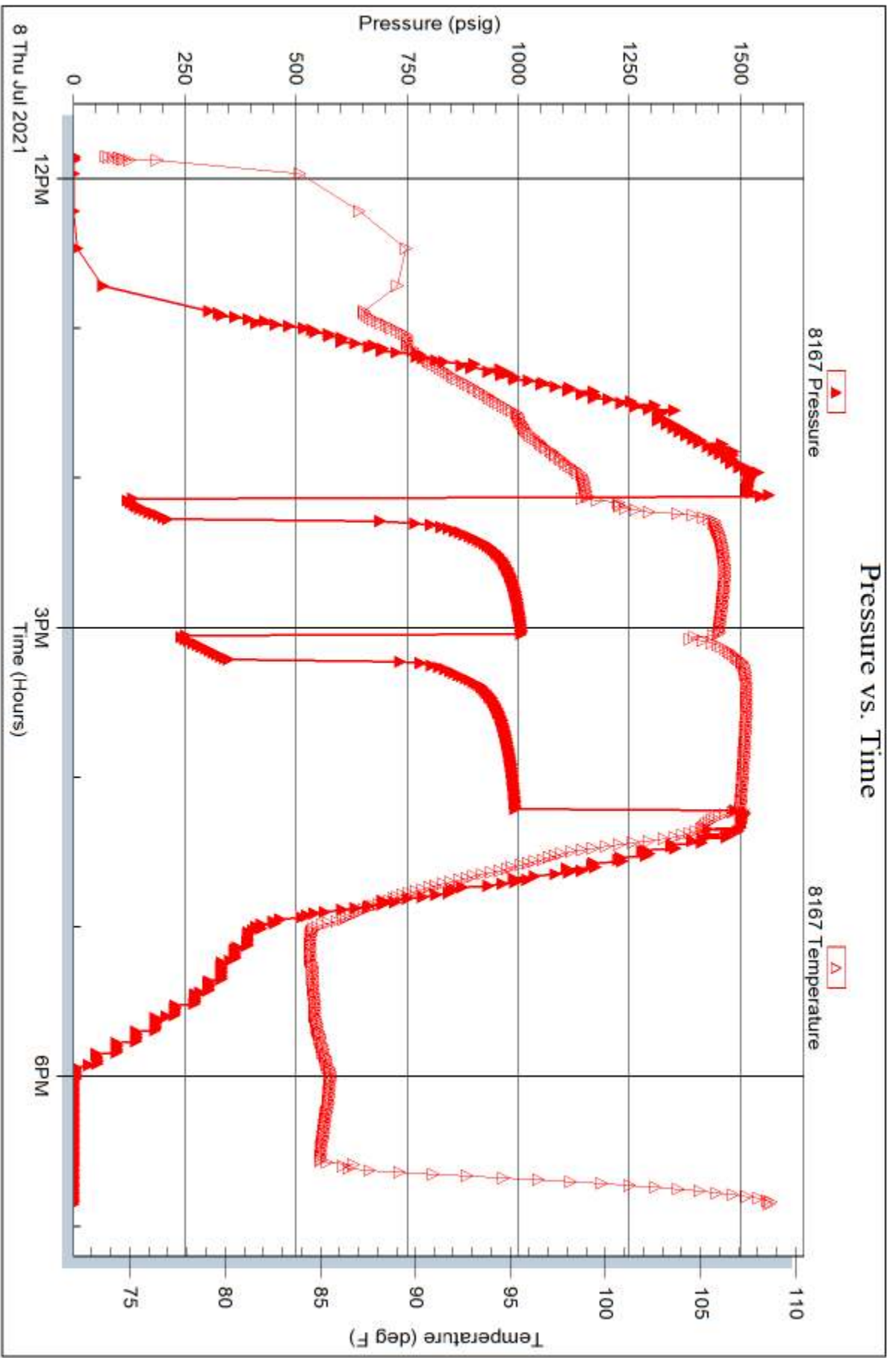


Serial #: 8167

Outside Jasper Oil Co

DG Hansen Edgar #1

DST Test Number: 1

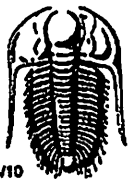


Trilobite Testing, Inc

Ref. No: 67776

Printed: 2021.07.14 @ 08:51:00





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67776

Well Name & No. D.G. Hanson Edgar #1 Test No. 1 Date 7/8/21  
 Company Jasper Co. Elevation 2089 KB 2082 GL  
 Address P.O. Box 1120 Hays, KS 67601  
 Co. Rep / Geo. Cameron Brin Rig Discovery Rig #2  
 Location: Sec. 11 Twp 6 Rge. 20 Co. Rooks State KS

Interval Tested 3258-3318 Zone Tested Top + LKCA  
 Anchor Length 60 Drill Pipe Run 3225 Mud Wt. 8.6  
 Top Packer Depth 3253 Drill Collars Run 29' Vis. 60  
 Bottom Packer Depth 3258 Wt. Pipe Run — WL 8.8  
 Total Depth 3318 Chlorides 400 ppm System LCM 3#

Blow Description IF- Bob in 1 min Built to 76"  
~~MSIF Bob in 22 min Built to 29 1/2"~~  
FF- Bob in 1 min Built to 80"  
SI2- Bob in 14 min Built to 31"

Rec	Feet of	%gas	%oil	%water	%mud
<u>660</u>	<u>Gas</u>	<u>100</u>			
<u>700</u>	<u>GO</u>	<u>20</u>	<u>80</u>		
<u>180</u>	<u>GMCO</u>	<u>50</u>	<u>25</u>		<u>25</u>
<u>    </u>	<u>    </u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>
<u>    </u>	<u>    </u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>

Rec Total 880 BHT 108 Gravity 35 API RW      @      °F Chlorides      ppm

(A) Initial Hydrostatic 1541  Test 1200 T-On Location 10:00  
 (B) First Initial Flow 131  Jars      T-Started 11:57  
 (C) First Final Flow 212  Safety Joint      T-Open 2:08  
 (D) Initial Shut-In 1001  Circ Sub N/A T-Pulled 4:13  
 (E) Second Initial Flow 251  Hourly Standby      T-Out       
 (F) Second Final Flow 344  Mileage 122rt 152.50 Comments       
 (G) Final Shut-In 990  Sampler       
 (H) Final Hydrostatic 1484  Straddle       EM Tool       
 Shale Packer       Ruined Shale Packer       
 Extra Packer       Ruined Packer       
 Extra Recorder       Extra Copies       
 Day Standby      Sub Total 0  
 Accessibility      Total 1352.50  
 Sub Total 1352.50 MP/DST Disc't     

Approved By CAB Our Representative Dust Dy  
 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.

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2275

Date	8-18-21	Sec.		Twp.		Range		County	Rooks	State	KS	On Location		Finish	12:30pm
Lease								Well No.		Location					
D.G. Hansen								1		Stockton 5N ERD 1.3W to 5PD					
Contractor								Owner							
Outlaw well service								3 1/4 N E into							
Type Job								To Quality Oilwell Cementing, Inc.							
Port Collar								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size				T.D.				Charge To							
7 7/8								Jasper Company							
Csg.				Depth				Street							
5 1/2															
Tbg. Size				Depth				City				State			
2 3/8															
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
				1642											
Cement Left in Csg.				Shoe Joint				Cement Amount Ordered							
								375 80/20 Qmbe							
Meas Line				Displace											
				SBL.											
<b>EQUIPMENT</b>								Common							
Pumptrk								210 80/20 Qmbe							
5 No. Cementer															
Helper								Poz. Mix							
Craig															
Bulktrk								Gel.							
No. Driver															
Bulktrk								Calcium							
21 No. Driver															
Doug															
<b>JOB SERVICES &amp; REMARKS</b>								Hulls							
Remarks:								Salt							
KCC ParBdore															
Rat Hole								Flowseal							
								75 #							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
Test 5 1/2 to 800 #								Handling							
Open Tool B2 Circulation								375							
Max 210SK & Cement Circulated.								Mileage							
Close Tool pressure to 800 #.															
Run 5 joints & wash clean.								<b>FLOAT EQUIPMENT</b>							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								port collar Job							
								Mileage							
								46							
								Tax							
								Discount							
								Total Charge							
X Signature															
[Signature]															

USED 210SK

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- **DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.