

Form	ACO1 - Well Completion
Operator	Jaspar Co.
Well Name	ASHMORE 1
Doc ID	1675712

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	221	COMMON	160	3% CC2% gel



Scale 1:240 Imperial

Well Name:	ASHMORE #1		
Surface Location:	S2, N2, SW, Sec. 11, T6S, R20W		
Bottom Location:			
API:	15-163-24468		
License Number:	34903		
Spud Date:	11/14/2022	Time:	4:45 PM
Region:	ROOKS COUNTY		
Drilling Completed:	11/18/2022	Time:	10:15 PM
Surface Coordinates:	1650' FSL & 1320' FWL		
Bottom Hole Coordinates:			
Ground Elevation:	2176.00ft		
K.B. Elevation:	2183.00ft		
Logged Interval:	3100.00ft	To:	3645.00ft
Total Depth:	3645.00ft		
Formation:	LKC, REAGAN SAND		
Drilling Fluid Type:	CHEMICAL MUD		

OPERATOR

Company:	JASPAR CO. INC.		
Address:	PO BOX 1120		
Contact Geologist:	SHANE VEHIGE		
Contact Phone Nbr:	785-623-6982		
Well Name:	ASHMORE #1		
Location:	S2, N2, SW, Sec. 11, T6S, R20W		
API:	15-163-24468		
Pool:		Field:	UNNAMED
State:	KS	Country:	

SURFACE CO-ORDINATES

Well Type:	Vertical
Longitude:	-99.522719
Latitude:	39.543624
N/S Co-ord:	1650' FSL
E/W Co-ord:	1320' FWL

LOGGED BY

Company:	KEYSTONE CONSULTING, LLC		
Address:	2511 E 19TH HAYS, KS 67601		
Phone Nbr:	(785) 639-0721		
Logged By:	Geologist	Name:	CAMERON BRIN

CONTRACTOR

Contractor:	STP DRILLING		
Rig #:	2		
Rig Type:	MUD ROTARY		
Spud Date:	11/14/2022	Time:	4:45 PM
TD Date:	11/18/2022	Time:	10:15 PM
Rig Release:	11/20/2022	Time:	9:30 AM

ELEVATIONS

K.B. Elevation:	2183.00ft	Ground Elevation:	2176.00ft
K.B. to Ground:	7.00ft		

NOTES

AFTER REVIEWING THE LOGS, POOR SHOWS THROUGHOUT THE LKC, AND ABSENCE OF REAGAN SAND, DECISION WAS MADE TO PLUG AND ABANDON THE ASHMORE #1.

TOPS COMPARISON

ASHMORE #1				D.G. HANSEN #2				D.G. HANSEN #1				D&A 8/22/42				P&A 10/2/70			
LOG TOPS				JASPAR CO				JASPAR CO				FEDERAL LAND BANK #1				SIMONS #1			
W2, NE, NW, NE Sec. 11-6-20				SE, NW, NE, NE, Sec11-6-20				N2, SW, NW, Sec 11-6-20				HERNDON DRILLING				C, SE, NE, Sec11-6-20			
2091				2089				2161				2094							
KB	2183	GL	2176	KB	LOG	2091	SMPL.	KB	LOG	2089	SMPL.	KB	LOG	2161	SMPL.	KB	LOG	2094	SMPL.
DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	LOG	CORR.	DEPTH	DATUM	LOG	CORR.	DEPTH	DATUM	LOG	CORR.	DEPTH	DATUM	LOG	CORR.
FORMATION																			
ANHYDRITE TOP	1770	413	1767	416	1673	418	- 5 - 2	1673	416	- 3 - 0	- 1	1760	401	+ 12 + 15	1676	418	- 5 - 2		
BASE	1799	384	1800	383	1704	387	- 3 - 4	1705	384	+ 0 - 1	- 1								
TOPEKA	3169	-986	3171	-988	3076	-985	- 1 - 3	3071	-982	- 4 - 6	- 6	3165	-1004	+ 18 + 16	3080	-986	+ 0 - 2		
HEERNER SHALE	3369	-1186	3372	-1189	3275	-1184	- 2 - 5	3265	-1176	- 10 - 13	- 13	3375	-1214	+ 28 + 25	3274	-1180	- 6 - 9		
TORONTO	3391	-1208	3393	-1210	3297	-1206	- 2 - 4	3288	-1199	- 9 - 11	- 11				3298	-1204	- 4 - 6		
LKC	3406	-1223	3408	-1225	3311	-1220	- 3 - 5	3301	-1212	- 11 - 13	- 13	3395	-1234	+ 11 + 9	3312	-1218	- 5 - 7		
BKC	3595	-1412	3600	-1417	3506	-1415	+ 3 - 2	3495	-1406	- 6 - 11	- 11	3599	-1438	+ 26 + 21	3506	-1412	+ 0 - 5		
REAGAN SAND					3562	-1471													
GRANITE			3641	-1458				3532	-1443		- 15	3640	-1479		+ 21	3578	-1484		+ 26
TOTAL DEPTH	3638	-1455	3645	-1462	3569	-1478	+ 23 + 16	3534	-1445	- 10 - 17	- 17	3642	-1481	+ 26 + 19	3589	-1495	+ 40 + 33		

ANHYDRITE



ROCK TYPES

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

ACCESSORIES

MINERAL

- ▲ Chert, dark
- Sandy
- Silty
- △ Chert White

FOSSIL

- F Fossils < 20%
- ♀ Oolite

STRINGER

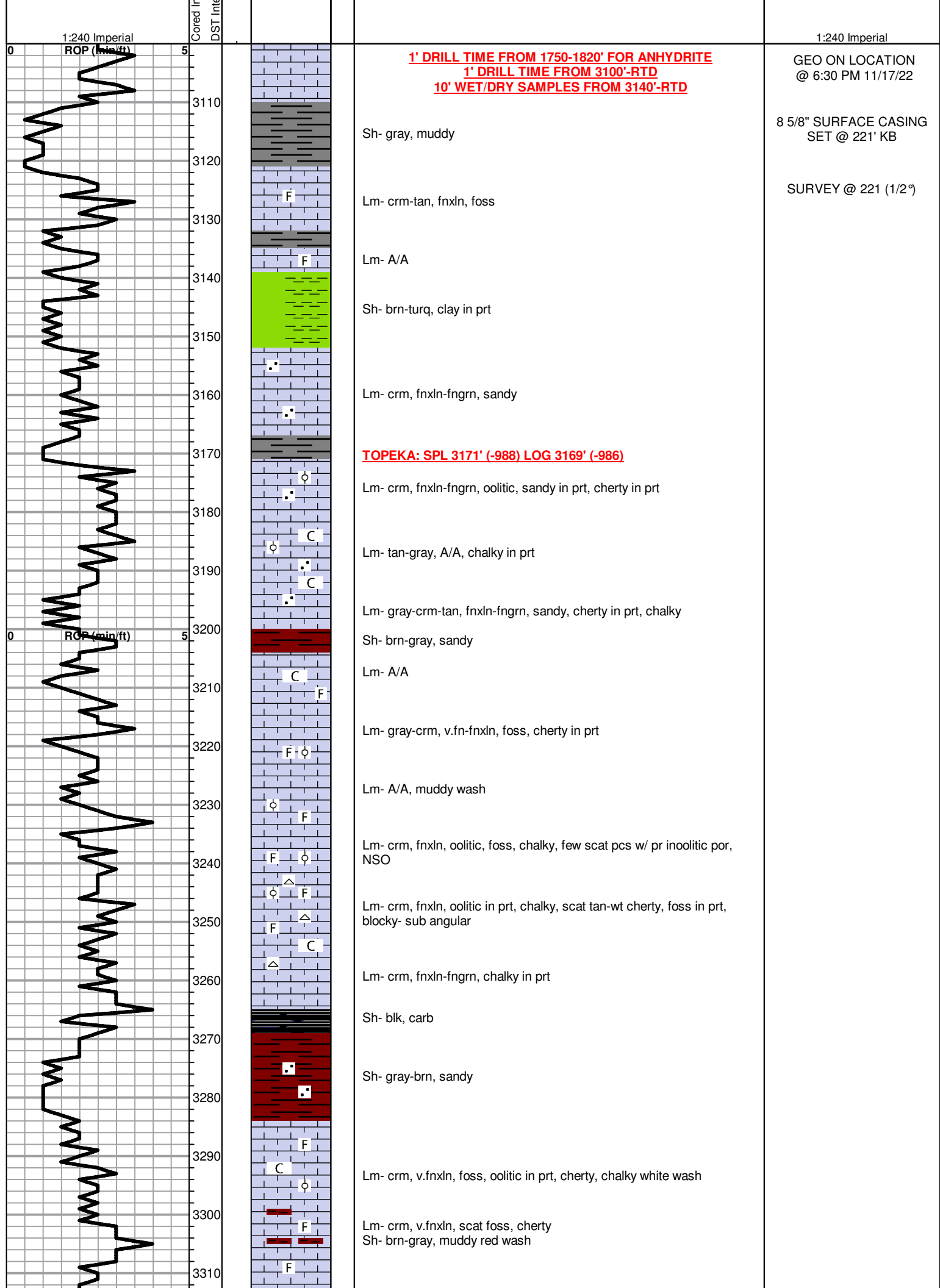
- Shale
- red shale

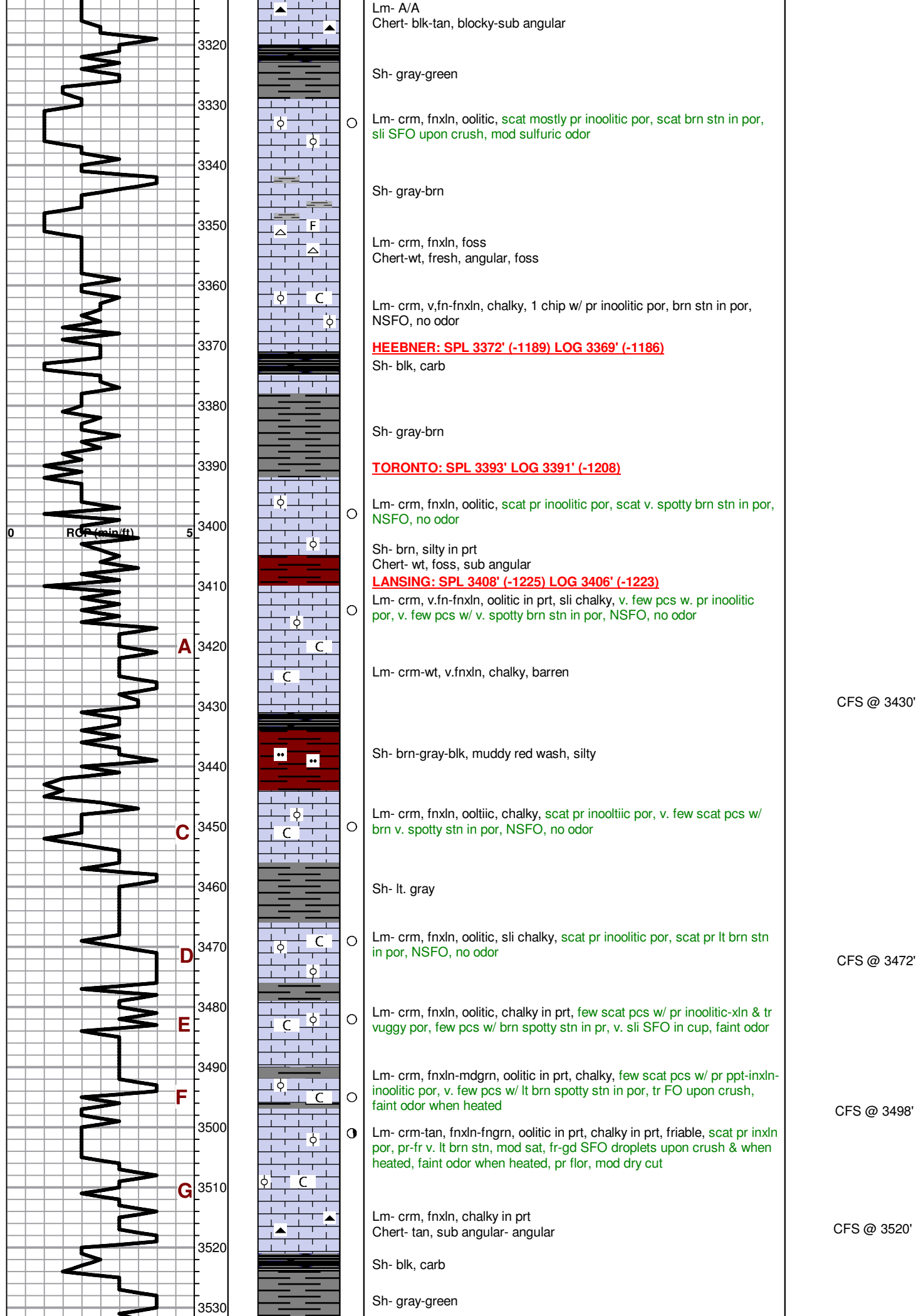
TEXTURE

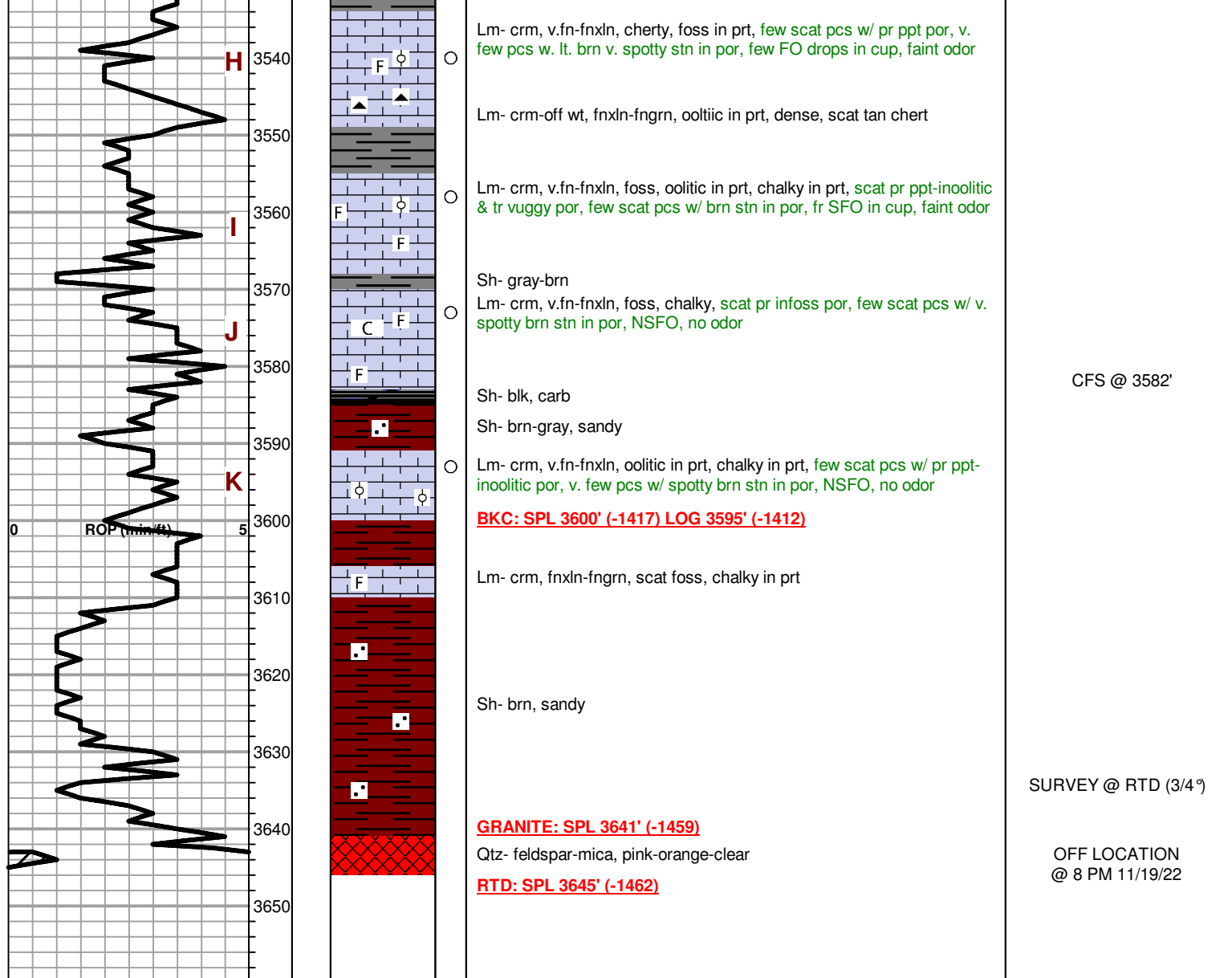
- C Chalky

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

Curve Track #1	ROP (min/ft)	Depth Intervals	DST	Lithology	Oil Show	Geological Descriptions	Curve Track #3







Federal Tax I.D.# 20-2886107

Nó. 3294

Date	11-14-22	Sec.	11	Twp.	6E	Range	20	County	Rock	State	Ks	On Location		Finish	9:30pm
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Location Stockton 13 4N 13W 2N

Signature [Signature] Total Charge

X
Signature

	Tax
	Discount
	Total Charge

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 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.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 3293

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-20-22	11	6	20	ROCKS	Ks		5:30Am

Location Stockton Nth ERD W 5RD 3north

Lease ASHMORE	Well No. 1	Owner
Contractor STP		To Quality Oilwell Cementing, Inc.
Type Job PTA		You are hereby requested to rent cementing equipment and furnish
Hole Size 73	T.D. 3645	cement and helper to assist owner or contractor to do work as listed.

Charge To	JASPER CO
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Csg.	Depth	Street
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Tbg. Size	Depth	City	State
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Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
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Cement Left in Csg.	Shoe Joint	Cement Amount Ordered 240x 60/40-4
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Meas Line	Displace	4# F10
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EQUIPMENT

Pumptrk 17 No.	Cementer B.1	Common 144
	Helper	Poz. Mix 96
Bulktrk No.	Driver BERNICL	Gel. 9
	Driver	
Bulktrk 19 No.	Driver CORY	Calcium
	Driver	

JOB SERVICES & REMARKS

Remarks:	Hulls
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Rat Hole 30	Salt
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Mouse Hole	Flowseal 50th
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Centralizers	Kol-Seal
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Baskets	Mud CLR 48
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D/V or Port Collar	CFL-117 or CD110 CAF 38
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1800' 50.4	Sand
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1100' 100.4	Handling 249
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275' 50.4	Mileage
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40' 10.4	Float Equipment
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	Guide Shoe
--	------------

	Centralizer
--	-------------

	Baskets
--	---------

	AFU Inserts
--	-------------

	Float Shoe
--	------------

	Latch Down
--	------------

	Wood Plug - 85
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	Pumptrk Charge Plug
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	Mileage 61
--	------------

	Thanks
--	--------

	Tax
--	-----

	Discount
--	----------

	Total Charge
--	--------------

X Signature

[Signature]

Total Charge

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(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.

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