

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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Form	ACO1 - Well Completion
Operator	Brooks Range Corporation
Well Name	MILLER 9D
Doc ID	1649203

All Electric Logs Run

Mud
DIL
Micro
Sonic
Porosity
CBL

Form	ACO1 - Well Completion
Operator	Brooks Range Corporation
Well Name	MILLER 9D
Doc ID	1649203

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
1	2810	2824	RBP Retrievable Bridge Plug	2840	Frac w/ 60,000 lbs proppant
1	2920	2935			1000 gal NEFE acid
1	2904	2912			
1	2868	2878			
6	2856	2858			5000 gal NEFE acid, 1077 bbls frac w/ Nitrogen
6	2895	2896			



Quasar Energy Services, Inc.  
 3288 FM 51  
 Gainesville, TX 76240

# Invoice

Date	Invoice #
1/26/2022	144517

Bill To
Brooks Range Corporation 3400 E Bayaud Ave, Suite 300 Denver, CO 80209

As of 09/22/2015 any invoice with a discount must be paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect the full price.

			Well
			Miller 9 D
Description	Quantity	Rate	Amount
Pickup Mileage	145	3.31	479.95
Equipment Mileage	290	6.30	1,827.00
Pump Charge	1	1,653.75	1,653.75
Plug Container	1	330.75	330.75
Auto fill tube	1	105.84	105.84
Insert Float-8 5/8	1	396.90	396.90
Top rubber plug	1	91.88	91.88
Centralizers-8 5/8	2	92.61	185.22
Calcium Chloride	580	1.32	765.60
Cello Flakes	51	2.65	135.15
Gel	400	0.34	136.00

<b>Total</b>	\$6,108.04
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$6,108.04

All accounts are past due net 30 days following the date of invoice. A finance charge of 1.5% per month or 18% annual percentage rate will be charged on all past due accounts.

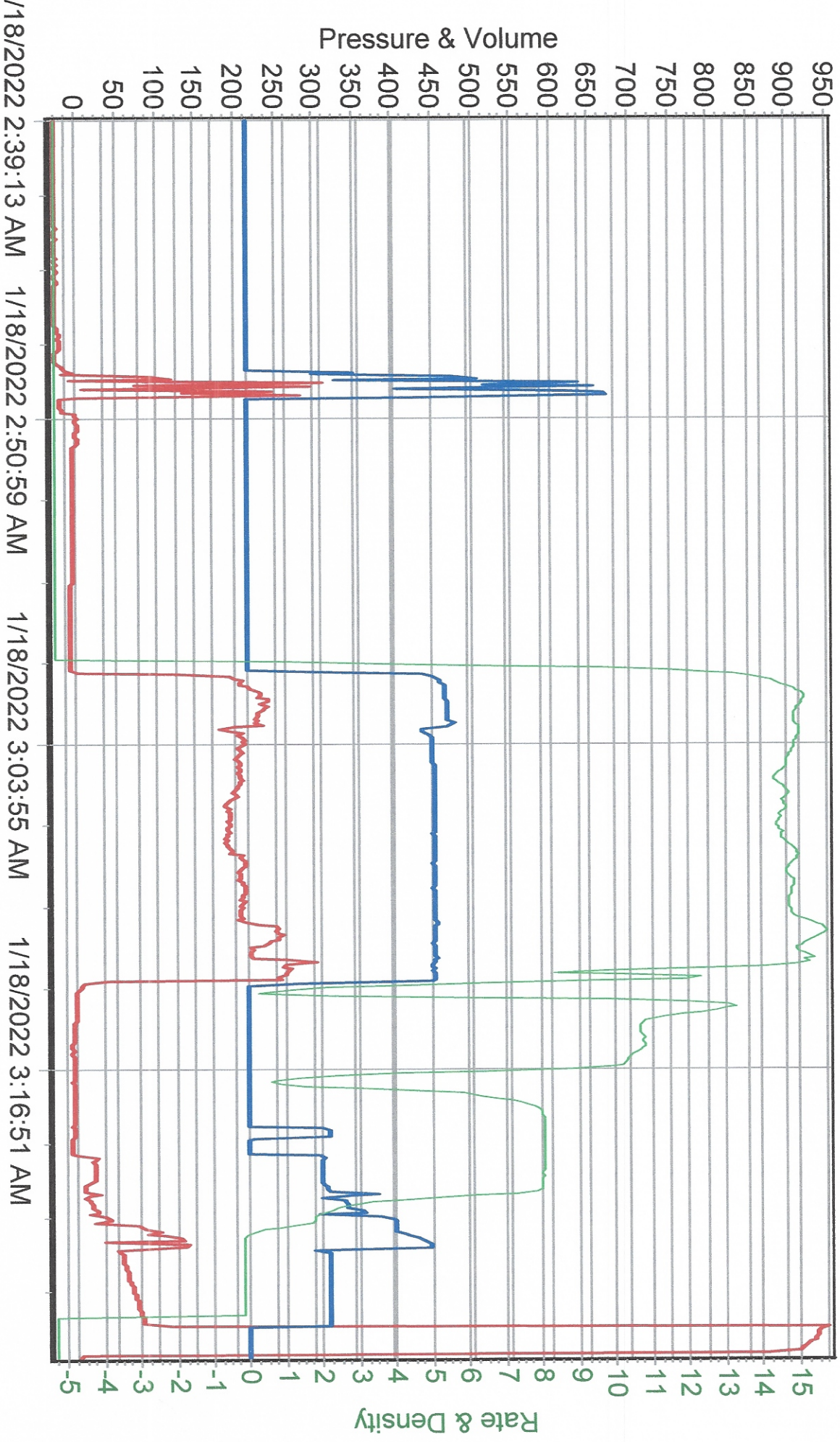






# BROOKS RANGE MILLER 9D 8 5/8

— Pressure 1 — Total Rate — Density



Quasar Energy Services, Inc.  
 3288 FM 51  
 Gainesville, TX 76240

# Invoice

Date	Invoice #
1/26/2022	144518

Bill To
Brooks Range Corporation 3400 E Bayaud Ave, Suite 300 Denver, CO 80209

As of 09/22/2015 any invoice with a discount must be paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect the full price.

			Well
			Miller 9 D
Description	Quantity	Rate	Amount
Pickup Mileage	145	3.31	479.95
Equipment Mileage	290	6.30	1,827.00
Pump Charge	1	1,653.75	1,653.75
Plug Container	1	330.75	330.75
Class A Cement	150	16.54	2,481.00
Class C-Lite Cement	210	19.85	4,168.50
Auto fill tube	1	396.90	396.90
Latch down plug & baffle	1	420.00	420.00
Centralizers-5 1/2	10	66.15	661.50
C-19	36	12.25	441.00
C-15	71	11.25	798.75
Defoamer	3	46.31	138.93
Gel	300	0.34	102.00
Gypsum	850	1.00	850.00
Kol seal	750	0.82	615.00
Salt	900	0.50	450.00
Wait time after 4 hours	1	330.75	330.75
Subtotal			16,145.78
Discount - 10%		-10.00%	-1,614.58
<b>Total</b>			\$14,531.20
<b>Payments/Credits</b>			\$0.00
<b>Balance Due</b>			\$14,531.20

All accounts are past due net 30 days following the date of invoice. A finance charge of 1.5% per month or 18% annual percentage rate will be charged on all past due accounts.

# QUASAR ENERGY SERVICES, INC.



3288 FM 51  
Gainesville, Texas 76240  
Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

**FRACTURING / ACID / CEMENT**



<b>BID #:</b> 4830	<b>AFE#/PO#:</b> 0
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<b>TYPE / PURPOSE OF JOB</b>	Cement- Production	<b>SERVICE POINT</b>	Liberal, KS
<b>CUSTOMER</b>	Brooks Range Corporation	<b>WELL NAME</b>	Miller # 9D
<b>ADDRESS</b>	3400 E. Bayaud Ave. Suite 300	<b>LOCATION</b>	Greeley, Ks.
<b>CITY</b> Denver	<b>STATE</b> Colorado	<b>ZIP</b> 80209	<b>TYPE AND PURPOSE OF JOB</b> Cement- Production
<b>DATE OF SALE</b> 1/22/2021	<b>COUNTY</b> Greeley	<b>STATE</b> KS	

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
145	1000	L	Mile	Mileage - Pickup - Per Mile	\$3.31	\$ 479.95
290	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	\$6.30	\$ 1,827.00
1	5440	L	Per Well	Pumping Charge 0'-3500'	\$1,653.75	\$ 1,653.75
1	6030	L	Per Well	Plug Container	\$330.75	\$ 330.75

**Subtotal for Pumping & Equipment Charges** **\$ 4,291.45**

QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
150	5630	L	Per Sack	Cement - Class A	\$16.54	\$ 2,481.00
210	5670	L	Per Sack	Cement - Lite - C	\$19.85	\$ 4,168.50
1	4300	L	Each	Auto Fill Shoe (Blue) 5 1/2"	\$396.90	\$ 396.90
1	4371	L	Each	Latch Down Plug & Baffle 5 1/2" Blue	\$420.00	\$ 420.00
10	4450	L	Each	Centralizers 5 1/2"	\$66.15	\$ 661.50
36	5694	L	Per Lb.	C-19 Light Weight Fluid Loss	\$12.25	\$ 441.00
71	5710	L	Per Lb.	C-15 Low Temp-Non Retarding Fluid Loss	\$11.25	\$ 798.75
3	5751	L	Per Gal.	C-41L Defoamer Liquid	\$46.31	\$ 138.93
300	5840	L	Per Lb.	Gel (Bentinite)	\$0.34	\$ 102.00
850	5850	L	Per Lb.	Gypsum	\$1.00	\$ 850.00
750	5860	L	Per Lb.	Kol-Seal	\$0.82	\$ 615.00
900	5890	L	Per Lb.	Salt	\$0.50	\$ 450.00
1	1020	L	Per Unit	Wait - After 4 hours	\$330.75	\$ 330.75

**Subtotal for Material Charges** **\$ 11,854.33**

<b>WORKERS</b>		<b>TOTAL</b>	\$ 16,145.78
Daniel Beck		<b>DISCOUNT: 10%</b>	<b>DISCOUNT</b> \$ 1,614.58
Angel Echevarria		<b>DISCOUNTED TOTAL</b> \$ 14,531.20	
Noel Leon			

**STAMPS & NOTES:**

As of 9/22/15 any invoice with a discount must be paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect full price.

**CUSTOMER SIGNATURE & DATE**

*[Handwritten Signature]*

**\*\*All accounts are past due net 30 days following the date of invoice. A finance charge of 1 1/2% per month or 18% annual percentage rate will be charged on all past due accounts.**



**QUASAR ENERGY SERVICES, INC.**

3288 FM 51  
 Gainesville, Texas 76240  
 Office: 940-612-3336  
 Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2c

1/22/21

CEMENTING JOB LOG

**CEMENTING JOB LOG**

**Company:** Brooks Range Corporation **Well Name:** Miller # 9D

**Type Job:** Cement- Production **AFE #:**

**CASING DATA**

<b>Size:</b>	5 1/2	<b>Grade:</b>		<b>Weight:</b>	15.5
<b>Casing Depths</b>	<b>Top:</b>	<b>Bottom:</b>	3167		
<b>Drill Pipe:</b>	<b>Size:</b>	<b>Weight:</b>		<b>Packer:</b>	
<b>Open Hole:</b>	<b>Size:</b> 7 7/8	<b>T.D. (ft):</b>	3186	<b>Perfs.:</b>	

**CEMENT DATA**

<b>Spacer Type:</b>					
<b>Amt.</b>		<b>Sks Yield</b>	0	<b>ft<sup>3</sup>/sk</b>	<b>Density (PPG)</b>
<b>LEAD:</b>	Class C: 50/50Poz, 8% Gel, 0.2% C-19				<b>Excess</b>
<b>Amt.</b>	210	<b>Sks Yield</b>	669.9	<b>ft<sup>3</sup>/sk</b>	3.19
<b>TAIL:</b>	Class A: 6% Gyp., 10% Salt, 2% Gel, 5# Kol-Seal, 0.5% C-15				<b>Excess</b>
<b>Amt.</b>	150	<b>Sks Yield</b>	235.5	<b>ft<sup>3</sup>/sk</b>	1.57
<b>WATER:</b>					
<b>Lead:</b>	210	<b>gals/sk:</b>	20	<b>Tail:</b>	150
		<b>gals/sk:</b>	7	<b>Total (bbls):</b>	125.0
<b>Pump Trucks Used:</b>	110, DP07				
<b>Bulk Equipment:</b>	229, 660-23				
<b>Disp. Fluid Type:</b>	Water (Supplied)	<b>Amt. (Bbls.)</b>	74.3	<b>Weight (PPG):</b>	8.33

**COMPANY REPRESENTATIVE:** Gary **CEMENTER:** Daniel Beck

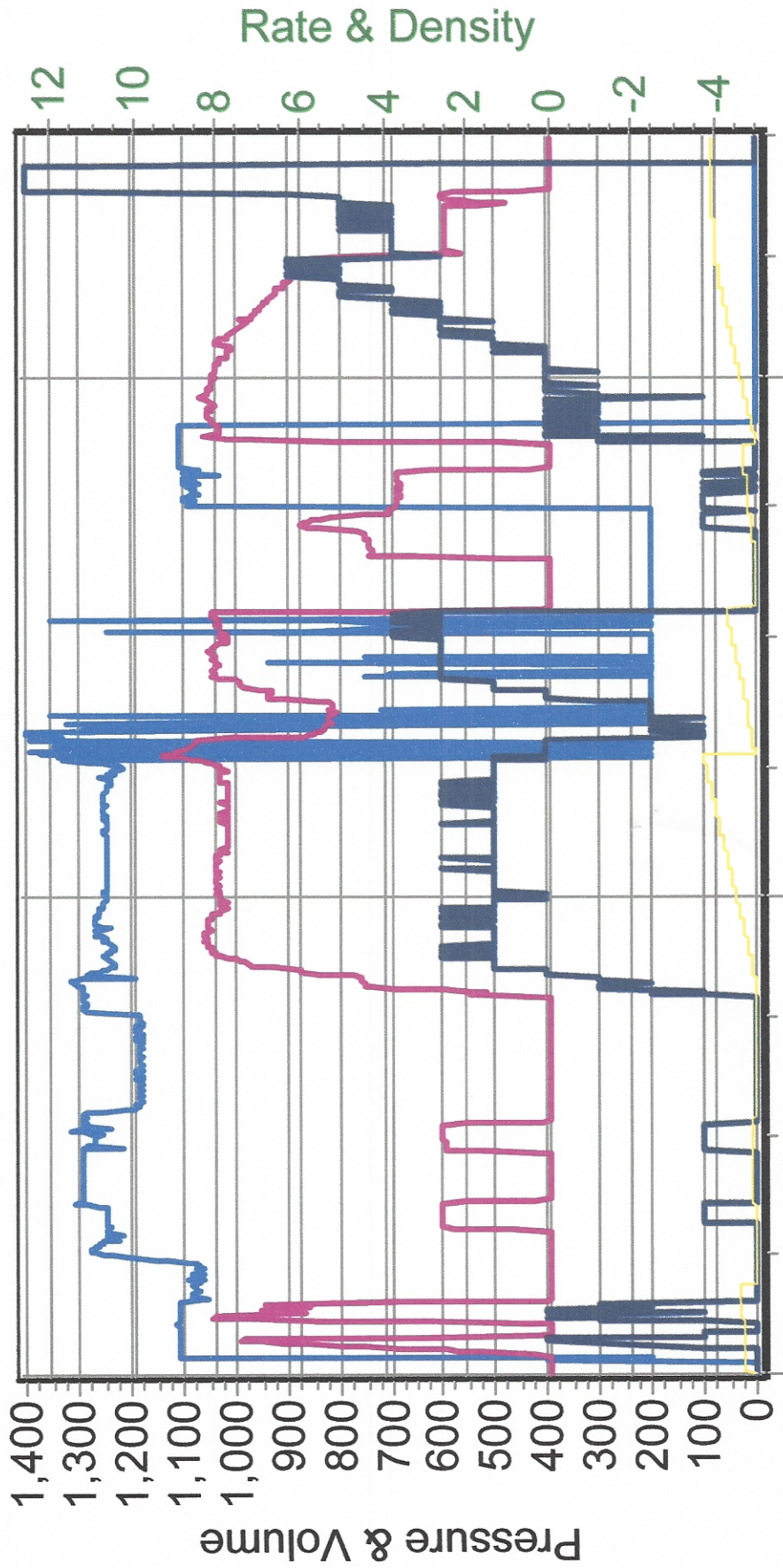
TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS	
	AM/PM	Casing	Tubing	ANNULUS	TOTAL		RATE
2:00						ON LOCATION & SAFETY MEETING WAIT	
5:45						RIG TO CIRCULATE	
6:15						RIG TO PT	
6:19						PLUG RAT & MOUSE W/ 20SX	
6:33		450			107.9slurry	7.4	PUMP 190SX LEAD @ 10.7#
6:45		410			41.9slurry	6.9	PUMP 150SX TAIL @ 14.8#
6:53							SHUTDOWN / DROP PLUG /WP
7:02		370			10	8.0	DISPLACE
		380			20	8.0	
		410			30	8.1	
		540			40	8.0	
		640			50	7.1	
		780			60	6.6	
7:13		810			64	6.0	SLOW RATE TO 2.1BPM @ 700PSI
		720			70	2.5	
7:16		780			74.3	2.5	LAND PLUG / PRESSURE UP TO PSI
7:18							RELEASE BACK --- PLUG HELD
							JOB COMPLETE

**Company:** Brooks Range Corporation **Well Name:** Miller # 9D

**Type Job:** Cement- Production **AFE #:**

**Date:** 1/22/2021 CEMENTING JOB LOG QUASAR ENERGY SERVICES, INC. | 185-2

# Brooks Range Corporation Miller 9D



1/22/2022 6:09:52 AM 1/22/2022 6:36:19 AM 1/22/2022 7:05:18 AM