

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	Midwestern Exploration Company
Well Name	L & L 1-3
Doc ID	1608061

All Electric Logs Run

Dual Induction
S P Log
Compensated Neutron
PEL
Density
Micro Log
Compensated Sonic Log

Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
Well Name	L & L 1-3
Doc ID	1608061

Tops

Name	Top	Datum
BASE HEEBNER	4348	-1357
TORONTO LIME	4358	-1367
LANSING LIME	4490	-1499
MARMATION LIME	5215	-2224
CHEROKEE SHALE	5566	-2575
ATOKA LIME	5722	-2731
MORROW SHALE	5916	-2925
LWR MORROW LIME	6220	-3239
CHESTER C LIME	6288	-3297
STE GENEVIEVE	6603	-3612

Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
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Doc ID	1608061

### Casing

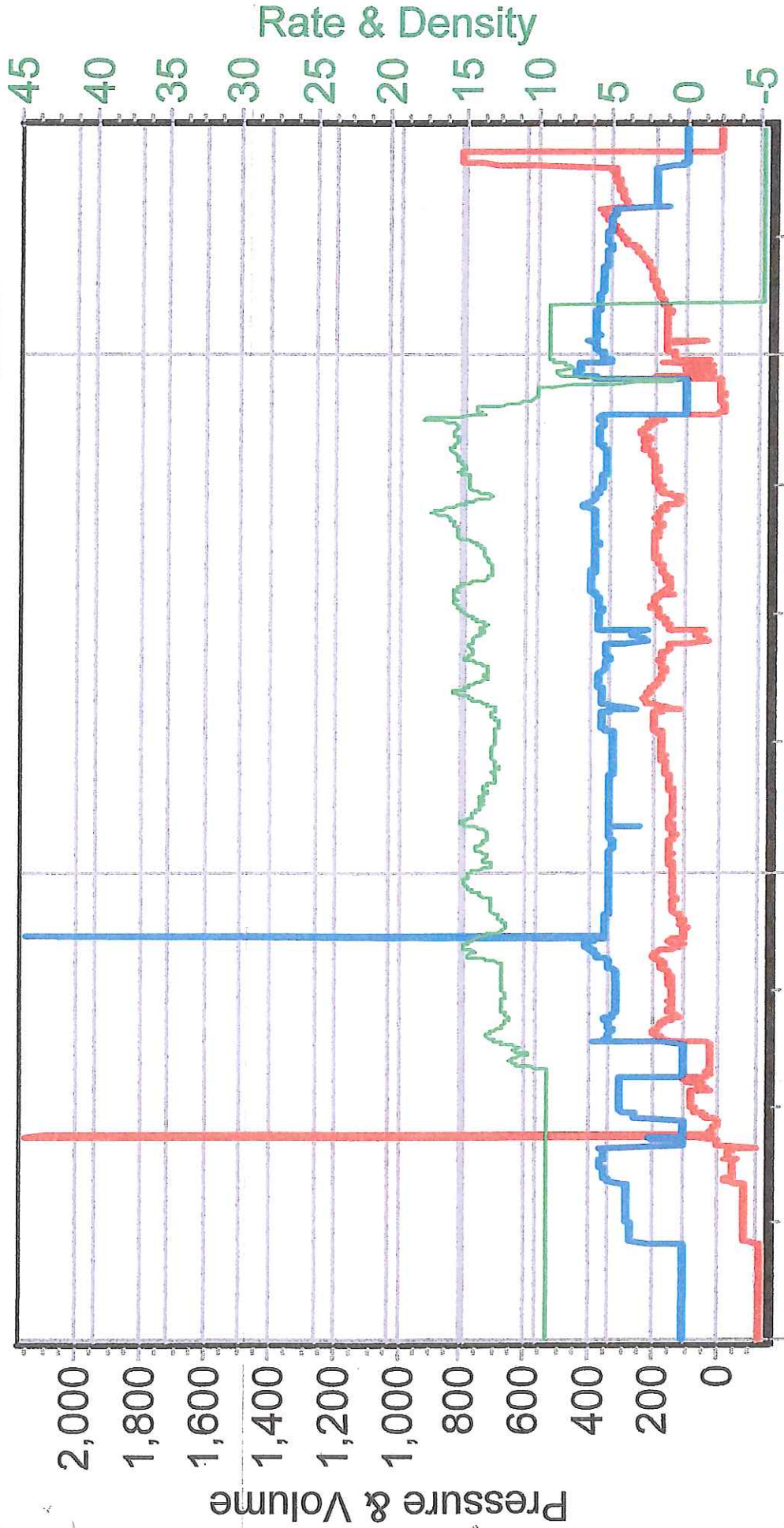
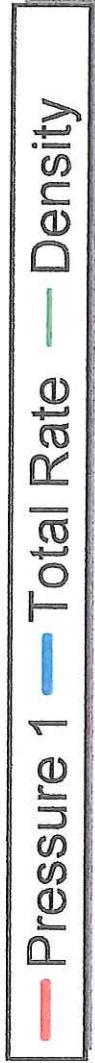
Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	30	52	66	Grout	40	n/a
Surface	12.25	8.625	24	1698	Class C	400	2% GYP 2% Cacl 2% Sodium1/ 4# polyseal
Surface	12.25	8.625	24	1658	Class C	150	2%CaCl 1/4# polyseal
Production	7.875	5.5	15.5	6580	Class H	155	10% Gyp, 10% Salt, .06% Kolseal





# MIDWESTERN EXPLORATION

## L&L 1-3 8 5/8



8/11/2021 9:40:06 PM 8/11/2021 10:27:15 PM 8/11/2021 11:19:43 PM



# Koda Services, Inc.

# INVOICE



Conductor and Rat Hole Drilling, Landfill Gas Drilling and Well Construction Nationwide

Date	Invoice #
8/24/2021	13398

Bill To
Midwestern Exploration 3500 S. Blvd. Suite 2B Edmond OK 73013

Legal Description	Ordered By	Terms	Field Ticket	Lease Name	Drill Rig
SW of Liberal, KS		Net 30		L&L #1-3	Duke 1
Item	Quantity	Description		Rate	Amount
Conductor	66	Drilled 66' of 30" hole for conductor		35.00	2,310.00
20" Pipe	66	Furnished 66' of 20" conductor pipe		42.00	2,772.00T
Ream Hole	1	Ream Hole for cellar		450.00	450.00
72" X 6'	1	Furnished 6' X 6' tinhorn		450.00	450.00T
Dirt Removal	1	Provided Labor and Equipment for dirt removal and cleanup		500.00	500.00
Placement	1	Equipment and Labor to install pipe in holes		350.00	350.00
Welder	1	Weld pipe		100.00	100.00
Grout	7.5	Furnished grout		150.00	1,125.00T
Deliver Grout	1	Deliver grout to location		450.00	450.00
Cover Plate	1	Cover Plate		30.00	30.00T
Barrier Fence	1	Provided and Set Barrier Fence		75.00	75.00T
CS2		Furnish Grout Pump		227.25	227.25
Mud	120	bbls Mud		10.75	1,290.00T
MD192	15	Water Truck		58.05	870.75

PAID

MIDWESTERN EXPLORATION COMPANY

LEASE L&L 1-01 DATE RECEIVED AUG 30 2021

DRILL X TANG. NYANG. 7/10/10

COMP. TANG. NYANG.

OP. Thank you for your business. USE FOR: Drilled set conductor

ACCOUNT NO.: \_\_\_\_\_ DATE ENTERED: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_ DATE PAID: \_\_\_\_\_

<b>Subtotal</b>	\$11,000.00
<b>Sales Tax (7.5%)</b>	\$430.65
<b>Total</b>	\$11,430.65





**QUASAR ENERGY SERVICES, INC.**

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

Form 185-2c

9/28/21

CEMENTING JOB LOG

**CEMENTING JOB LOG**

<b>Company:</b> MIDWESTERN EXPLORATION COMPANY		<b>Well Name:</b> L & L # 1-3	
<b>Type Job:</b> Cement - Squeeze		<b>AFE #:</b>	
<b>CASING DATA</b>			
<b>Size:</b> 5 1/2	<b>Grade:</b>	<b>Weight:</b>	15.5
<b>Casing Depths</b>	<b>Top:</b>	<b>Bottom:</b>	
<b>Drill Pipe:</b>	<b>Size:</b>	<b>Weight:</b>	
<b>Tubing:</b>	<b>Size:</b> 2 3/8	<b>Weight:</b>	<b>Grade:</b> TD (ft):
<b>Open Hole:</b>	<b>Size:</b>	<b>T.D. (ft):</b>	
<b>Perforations</b>	<b>From (ft):</b> 6528	<b>To:</b> 6542	<b>Packer Depth(ft):</b> 6393
<b>CEMENT DATA</b>			
<b>Spacer Type:</b>			
<b>Amt.</b>	<b>Skys Yield</b>	<b>ft<sup>3</sup>/sk</b>	<b>Density (PPG)</b>
<b>LEAD:</b>	CLASS H -- .5% C-15		Excess
<b>Amt.</b> 50	<b>Skys Yield</b> 1.19	<b>ft<sup>3</sup>/sk</b>	<b>Density (PPG)</b> 15.6
<b>TAIL:</b>	CLASS H -- NEAT		Excess
<b>Amt.</b> 100	<b>Skys Yield</b> 1.19	<b>ft<sup>3</sup>/sk</b>	<b>Density (PPG)</b> 15.6
<b>WATER:</b>			
<b>Lead:</b>	<b>gals/sk:</b>	<b>Tail:</b>	<b>gals/sk:</b> Total (bbls):
<b>Pump Trucks Used:</b>	110 -- DP7		
<b>Bulk Equipment:</b>	230 -- 660-24		
<b>Disp. Fluid Type:</b>	<b>Amt. (Bbls.)</b> 27.9	<b>Weight (PPG):</b>	
<b>Mud Type:</b>		<b>Weight (PPG):</b>	
<b>COMPANY REPRESENTATIVE:</b> BILLY		<b>CEMENTER:</b> KIRBY HARPER	

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
	AM/PM	Casing	Tubing	ANNULUS	TOTAL	
0900	1000					ON LOCATION -- SPOT AND RIG UP
1022			500	40	4	LOAD ANNULUS
1031		2000				PRESSURE TEST
1032		750		20	2	ESTABLISH RATE
1046		500		10	2	START MIXING 50 SK LEAD @ 15.6 PPG
1053		300		10	2	START MIXING 50 SK TAIL @ 15.6 PPG
1059						SHUT DOWN -- CLEAN LINES
1106		0		0	1.3	START DISPLACING WITH FRESH WATER
1132		150		15.5	.7	DISPLACEMENT REACHES CEMENT
1138		2000		23	.3	SHUT DOWN -- WELL PRESSURED UP
1148		1850-0				RELEASE PRESSURE -- NO FLOW BACK
1154			650	0	2	START REVERSING OUT
1209			700	30		SHUT DOWN -- POOH W/ 5 STANDS TBNG
1229		500	500			PRESSURE UP WELL -- SHUT IN WELL

# QUASAR ENERGY SERVICES, INC.

3288 FM 51

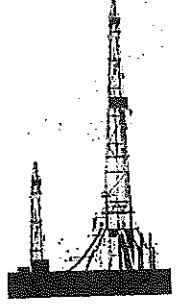
Gainesville, Texas 76240

Office: 940-612-3336

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



**FRACTURING | ACID | CEMENT**



<b>BID #:</b> 3992	<b>AFE#/PO#:</b> 0	
<b>TYPE / PURPOSE OF JOB</b>	Cement- Production	<b>SERVICE POINT</b> Liberal, KS
<b>CUSTOMER</b>	Midwestern Exploration Company	<b>WELL NAME</b> L & L #1-3
<b>ADDRESS</b>	3500 S. Boulevard Ste 2B	<b>LOCATION</b> Hugoton, Ks.
<b>CITY</b> Edmond	<b>STATE</b> Ok.	<b>ZIP</b> 73013
<b>DATE OF SALE</b> 8/18/2021	<b>COUNTY</b> Stevens	<b>STATE</b> KS
<b>TYPE AND PURPOSE OF JOB</b>		Cement- Production

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
15	1000	L	Mile	Mileage - Pickup - Per Mile	\$3.15	\$ 47.25
30	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	\$6.00	\$ 180.00
1	5510	L	Per Well	Pumping Charge 6501'-7000'	\$2,261.70	\$ 2,261.70
1	6030	L	Per Well	Plug Container	\$315.00	\$ 315.00
1	4300	L	Each	Auto Fill Shoe (Blue) 5 1/2"	\$378.00	\$ 378.00
1	4731	L	Each	Latch Down Plug & Baffle 5 1/2" Blue	\$400.00	\$ 400.00
10	4460	L	Each	Turbolizers 5 1/2"	\$81.90	\$ 819.00
1	4470	L	Each	Cement Basket 5 1/2"	\$289.80	\$ 289.80
						\$ 4,690.75

Subtotal for Pumping & Equipment Charges					UNIT PRICE	AMOUNT
200	5640	L	Per Sack	Cement - Class H	\$18.90	\$ 3,780.00
10	5647	L	Per BBL	Stop Loss Spacer-LCM/Polymer	\$225.00	\$ 2,250.00
113	5710	L	Per Lb.	C-15 Low Temp-Non Retarding Fluid Loss	\$10.71	\$ 1,210.23
2	5751	L	Per Gal.	C-41L Defoamer Liquid	\$44.10	\$ 88.20
175	5840	L	Per Lb.	Gel (Bentinite)	\$0.32	\$ 56.00
1,900	5850	L	Per Lb.	Gypsum	\$0.95	\$ 1,805.00
1,000	5860	L	Per Lb.	Kol-Seal	\$0.78	\$ 780.00
1,200	5890	L	Per Lb.	Salt	\$0.47	\$ 566.40
						\$ 10,535.83

<b>Subtotal for Material Charges</b>				<b>TOTAL</b>	\$ 15,224.18	\$ 15,226.58
<b>WORKERS</b>				<b>DISCOUNT:</b> 25%	<b>DISCOUNT</b>	\$ 3,806.65
Daniel Beck				<b>DISCOUNTED TOTAL</b>	\$	11,419.93
Marc Schupman						\$ 11,418.13
Daniel Beck						

**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**

\*\*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.

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Form 185-2c

8/18/21

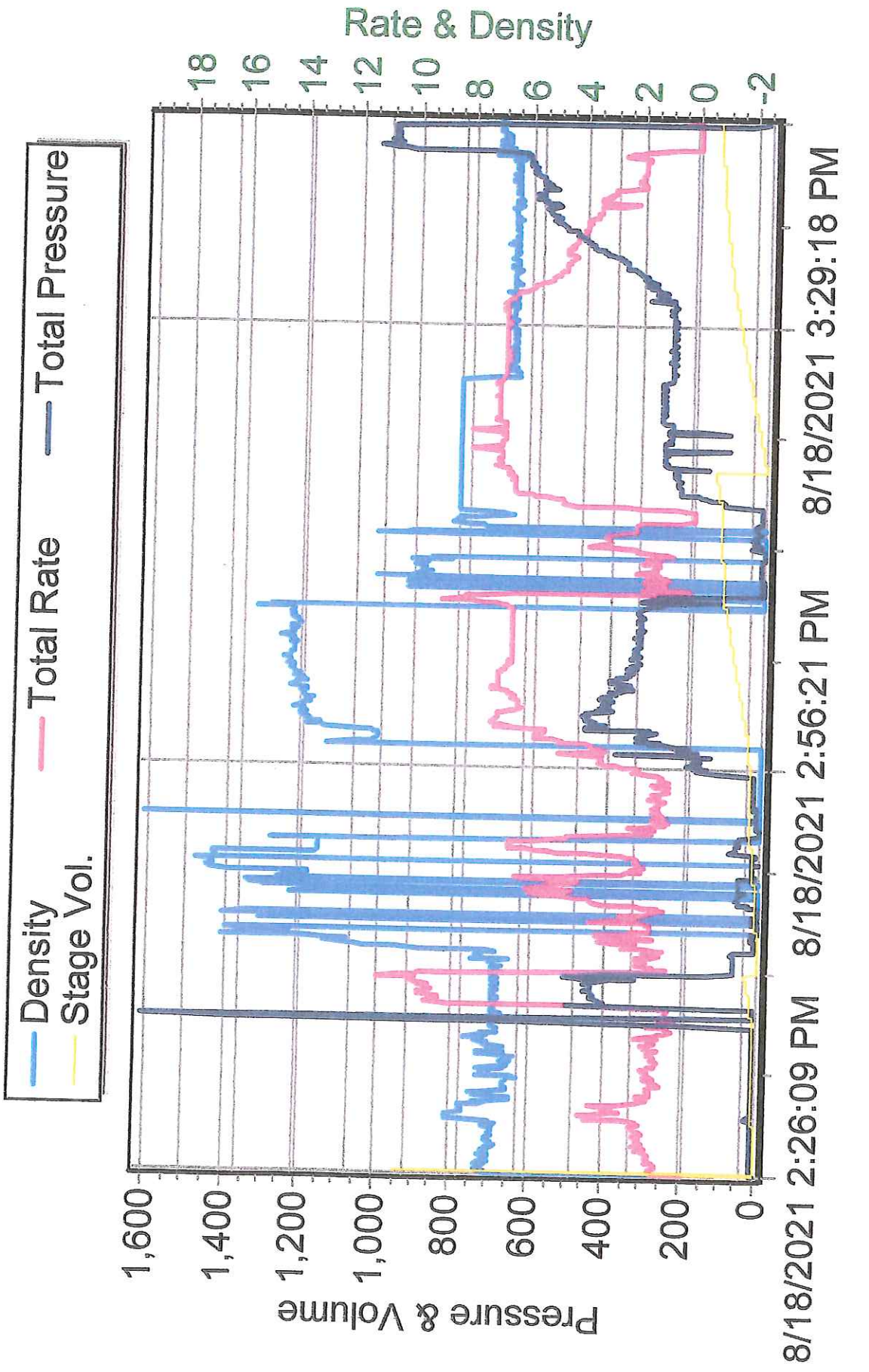
CEMENTING JOB LOG



**CEMENTING JOB LOG**

<b>Company:</b> Midwestern Exploration Company				<b>Well Name:</b> L & L #1-3			
<b>Type Job:</b> Cement- Production				<b>AFE #:</b>			
CASING DATA							
<b>Size:</b> 5 1/2		<b>Grade:</b> J-55		<b>Weight:</b> 15.5			
<b>Casing Depths</b>		<b>Top:</b>		<b>Bottom:</b>			
<b>Drill Pipe:</b>		<b>Size:</b>		<b>Weight:</b>			
<b>Open Hole:</b>		<b>Size:</b> 7 7/8		<b>T.D. (ft):</b>			
CEMENT DATA							
<b>Spacer Type:</b>		10BBL Stop Loss					
<b>Amt.</b>		<b>Sks Yield</b>	0	<b>ft<sup>3</sup>/sk</b>		<b>Density (PPG)</b>	
<b>LEAD:</b> Rat & Mouse						<b>Excess</b>	
<b>Amt.</b>	50	<b>Sks Yield</b>	0	<b>ft<sup>3</sup>/sk</b>		<b>Density (PPG)</b>	
<b>TAIL:</b> Class H: 10% Gyp, 10% Salt, 0.6% C-15, 5# Kol-Seal						<b>Excess</b>	
<b>Amt.</b>	130	<b>Sks Yield</b>	202.8	<b>ft<sup>3</sup>/sk</b>	1.56	<b>Density (PPG)</b>	14.79
<b>WATER:</b>							
<b>Lead:</b>		<b>gals/sk:</b>		<b>Tail:</b>	130	<b>gals/sk:</b>	7
						<b>Total (bbls):</b>	21.7
<b>Pump Trucks Used:</b>				04, DP03			
<b>Bulk Equipment:</b>				230, 660-24			
<b>Disp. Fluid Type:</b>		Water (Supplied)		<b>Amt. (Bbls.)</b>		154.6	
				<b>Weight (PPG):</b>		8.33	
<b>COMPANY REPRESENTATIVE:</b> Billy				<b>CEMENTER:</b> Daniel Beck			
TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS	
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE		
5:45						ON LOCATION & SAFETY MEETING	
13:10						RIG TO CIRCULATE	
13:38						RIG TO PT	
13:44						PRESSURE TEST TO 1400PSI	
13:46	400			10	9.0	PUMP STOP LOSS	
13:53				12.7	slurry	PLUG RAT & MOUSE	
14:02	380			36.1	slurry	4.7	PUMP 130SX TAIL @ 14.7#
14:18						SHUTDOWN / DROP PLUG / WP	
14:23	260			20	7.1	DISPLACE	
	250			40	6.8		
	280			60	7.1		
	250			80	6.8		
	290			100	6.4		
	340			120	5.0		
	580			140	3.7		
14:47	600			144	3.2	SLOW RATE TO 2.0BPM @ 580PSI	
	630			150	2.0		
14:50	640			154.6	2.0	LAND PLUG / PRESSURE UP TO 1000PSI	
14:52						RELEASE BACK --- FLOAT HELD	
						JOB COMPLETE	
<b>Company:</b> Midwestern Exploration Company				<b>Well Name:</b> L & L #1-3			
<b>Type Job:</b> Cement- Production				<b>AFE #:</b>			
<b>Date:</b> 8/18/2021		CEMENTING JOB LOG		QUASAR ENERGY SERVICES, INC.   185-2			

# Midwestern Exploration Company L & L 1-3



# Marmaton 5223 (-2232)

Ls, buff, crm. wh, sub-chalky, foss, oolitic in few, poorly dev. int. xln, porosity, no shows, no fluor, no odor, no stain.

Ls, buff, crm. wh, sub-chalky, foss, oolitic in few, poorly dev. int. xln, porosity, no shows, no fluor, no odor, no stain.

Ls, tan, buff, f-m xln, oolitic w/ well dev. oomoldic porosity, no shows, no fluor, no odor, no staining.

Ls, tan, buff, v. dns, f. xln, micritic, no vis. porosity, no show, no fluor.

Ls, med. to drk gry, m. xln, gran., poorly dev. porosity, no shows, no fluor, no odor, no staining.

Ls, med. to drk gry, m. xln, gran., poorly dev. porosity, no shows, no fluor, no odor, no staining.

Sh, lt. to med. gry, soft, silty, fissle.

Sh, lt. to med. gry, soft, silty, fissle.

Ls, buff, gry-wh, tan, f. xln, poor to fair dev. int. xln. porosity, no show, chalky fluor, no staining.

Ls, tan, buff, f-m xln, oolitic w/ fair dev. oomoldic porosity, no shows, no fluor, no odor, no staining.

AV to 140 ft/m in.

TG inc. 8 units

Winter Mud report  
@ 5259'  
Wt. 9.4  
Vis. 55  
W.L. 6.8  
PH 11  
Chl. 2,500  
LCM 10#

