KOLAR Document ID: 1639159

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 # 32446
Name: Merit Energy Company, LLC
Address 1: 13727 Noel Road, Suite 1200
Address 2:
City: Dallas State: TX Zip: 75240 + 7362
Contact Person: Idania Medina
Phone: (620) 629-4228
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Merit Energy 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 #:

2/14/2022	2/19/2022	3/2/2022
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-081-22241-00-00
Spot Description:
SW - NE - SW - SW Sec. 4 Twp. 28 S. R. 34 ☐ East ☑ West
794 Feet from ☐ North / ☑ South Line of Section
679 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Haskell
Lease Name: WENU Well #: 605
Field Name: Eubank North
Producing Formation: Morrow
Elevation: Ground: 3087 Kelly Bushing: 3099
Total Vertical Depth: 5630 Plug Back Total Depth: 5543
Amount of Surface Pipe Set and Cemented at: 1797 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 4763 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: 6000 ppm Fluid volume: 879 bbls
Dewatering method used: Evaporated
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: 04/14/2022
☐ **Confidential Release Date:** 04/13/2024
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** David Befort **Date:** 04/14/2022

Operator Name: Merit Energy Company, LLC Lease Name: WENU Well #: 605

Sec. 4 Twp. 28 S. R. 34 ☐ East ☑ West County: Haskell

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☑ No	
Samples Sent to Geological Survey	☑ Yes	☐ No	
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	
Geologist Report / Mud Logs	☑ Yes	☐ No	

List All E. Logs Run: Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	24	1797	C	680	SEE ATTACHED
Production	7.875	5.5	17	5590	50/50 C/POZ	290	SEE ATTACHED

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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:					
3/5/2022	☐ Flowing	☑ Pumping	☐ Gas Lift	☐ Other *(Explain)*		
Estimated Production Per 24 Hours	**Oil Bbls.**	**Gas Mcf**	**Water Bbls.**	**Gas-Oil Ratio**	**Gravity**	
	256.98					

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	5382	5419

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
3	5382	5392			Morrow/Frac-Total Load 288 bbls, total L Frac 57 bbls, Total N2 789,000 SCF
3	5414	5419			" " " "

TUBING RECORD: Size: 2.8750 Set At: 5432 Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WENU 605
Doc ID	1639159

All Electric Logs Run

ARRAY COMPENSATED TRUE RESISTIVITY LOG 1
ARRAY COMPENSATED TRUE RESISTIVITY LOG 2
ARRAY COMPENSATED TRUE RESISTIVITY LOG 5
BOREHOLE SONIC ARRAY LOG
CALIPER BOREHOLE VOLUME
MICROLOG
POROSITY BULK DENSITY
QUAD COMBO LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WENU 605
Doc ID	1639159

Tops

Name	Top	Datum
HEEBNER	4037	.
LANSING	4138	.
MARMATON	4714	.
CHEROKEE	4872	.
ATOKA	5139	.
MORROW	5208	.
UPPER WENU	5383	.
LOWER WENU	5414	.
CHESTER	5435	.
ST GENEVIEVE	5475	.

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WENU 605
Doc ID	1639159

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	24	1797	C	680	SEE ATTACHED
Production	7.875	5.5	17	5590	50/50 C/POZ	290	SEE ATTACHED

MCWL

PALADIN GEOLOGICAL

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	**WENU # 605** — **MERIT ENERGY COMPANY LLC**
API:	**15-081-22241**
Location:	**SEC. 4 - T28S - 34W, SW NE SW SW, OF HASKELL CO, KS**
License Number:	**Region: EUBANK NORTH**
Spud Date:	**02/14/2022** — **Drilling Completed: 2/19/2022**
Surface Coordinates:	**794' FSL, 679' FWL OF SEC. 4 - T28S - 34W, SW NE SW SW, OF HASKELL CO, KS**
Bottom Hole Coordinates:	**794' FSL, 679' FWL OF SEC. 4 - T28S - 34W, SW NE SW SW, OF HASKELL CO, KS**
Ground Elevation (ft):	**3,087'** — **K.B. Elevation (ft): 3,099'**
Logged Interval (ft):	**4,000'** **To: 5,605'** **Total Depth (ft): 5,605'**
Formation:	**MORROW**
Type of Drilling Fluid:	**WATER BASED MUD**

OPERATOR

Company: MERIT ENERGY COMPANY LLC
Address: 13727 Noel Road,
Suite 1200, Dallas, Texas,
75240

GEOLOGIST

Name: KRYSTIN ROBINSON
Company: MERIT ENERGY COMPANY LLC
Address: 13727 Noel Road,
Suite 1200, Dallas, Texas,
75240

Cores

DSTs

Comments

MERIT ENERGY COMPANY LLC
13727 Noel Road,
Suite 1200, Dallas, Texas,
75240

WELLSITE MANAGERS:
RODNEY GONZALES

DUKE DRILLING RIG #9

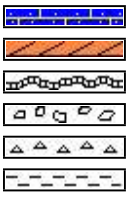
LUKE WEISSLER - ENGINEER

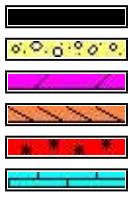
MID CONTINENT WELL LOGGING SERVICE, INC.: NORMAN, OK
LOGGING UNIT: JEB
MCWL GAS BOX: 702

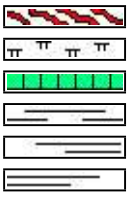
MUD LOGGER: ANDY BLACK/ PETER CORDOVA

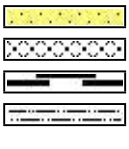
CALL OUT DATE: 02/16/2022
BEGAN LOGGING: 2/17/2022 @ 4,000' MD
DRILLING COMPLETED: 2/19/2022 @ 5,605'

ROCK TYPES


Sndylm
Anhy
Bent
Brec
Cht
Clyst


Coal
Congl
Dol
Gyp
Igne
Lmst


Meta
Mrlst
Salt
Shale
Shcol
Shgy


Ss
Till
Hotsh
Sltst

ACCESSORIES

MINERAL

Anhy
Arggrn
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chtlt
Dol
Feldspar
Ferrpel
Ferr
Glau
Gyp
Hvymin
Kaol
Marl
Minxl
Nodule
Phos
Pyr
Salt
Sandy
Silt
Sil
Sulphur
Tuff

FOSSIL

Algae
Amph
Belm
Bioclst
Brach
Bryozoa
Cephal
Coral
Crin
Echin
Fish
Foram
Fossil
Gastro
Oolite
Ostra
Pelec
Pellet
Pisolite
Plant
Strom

STRINGER

Anhy
Arg
Bent
Coal
Dol
Gyp
Ls
Mrst
Ssstrg
Sltstrg

TEXTURE

BS Boundst
C Chalky
CX Cryxln
E Earthy
FX Finexln
GS Grainst
L Lithogr
MX Microxln
MS Mudst
PS Packst
WS Wackest

OTHER SYMBOLS

POROSITY
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy
- New symbol

- New symbol
- Sndylm
- New symbol

SORTING
- Well
- Moderate
- Poor

ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

OIL SHOW
- Even
- Spotted
- Ques

- Dead

INTERVAL
- Core
- Dst

EVENT
- Rft
- Sidewall

Survey Data	ROP	MD	Porosity	Lithology	Fluorescence	Leach	Geological Descriptions	TG, C1-C5	Photos
	ROP (min/ft) —— G/R (API) ——	SLIDES	GD FR PR		Pr Fr Gd	PR FR Gd		TG (Units) C1 (units) C2 (units) C3 (units) C4 (units) C5 (units)	

8.625" J-55 46 JTS SURFACE CASING SET TO 1,797'

CALL OUR DATE 2/16/2022

ROP (min/ft) 0 5 | G/R (API) 0 150

MD: 3950, 4000

MERIT ENERGY COMPANY LLC

WENU #301

SEC. 4 - T28S - 34W, SW NE SW SW, OF HASKELL CO, KS

GL: 3,087' KB: 3,099'

MERIT ENERGY LLC | WENU #605 | 0 100

MUD REPORT
Depth 3,389'
WT 8.8
VIS 59
PV 18
YP 21
GEL 41/38
API 6.0
CK 1/32
SOLIDS 3.4
CHL 1,700
PH 11.0
OIL/WAT. 96.6

MCWL 702

DRILLING WITH WATER-BASED MUD

DRILLING W/ BIT #2: 7.875" SMITH MDSi 616 PDC, SN: JV1801; JETS: 6X16'S
DEPTH IN: 1,807' MD MOTOR: TELEDRIFT

GAMMA 0 - 150

ROP 0 - 5

GAS 0 - 100 UNITS

KD

CG 35 U

KD

BEGIN LOGGING @ 4,000' MD ON 2/17/2022

WIPER TRIP @ 4,006' MD

LS: PRED TAN-CRM, SM OFF WHT-WHT, FN-V FN XLN, MOD FRM-FRM, SM HRD, SH: PRED DRK GRY, SM MED - LT GRY, V FN-FN TXT, MED- HRD, SM SFT, PRED CHNKY, ,

WOB: 23K
RPM: 105
SPM: 97
PP: 1693

2/18/2022

HEEBNER

MUD WT: 9.1
VIS: 58

DEVIATION SURVEY
@4,110' INC 0.5 AZ
29

WOB: 19K
RPM: 106
SPM: 94
PP: 2077

4050
4100
4150
4200
4250

SHALE @ 4,036'

TORONTO @ 4,051' MD(-952')

LS: PRED TAN-CRM, SM OFF WHT-WHT, FN-V FN XLN, MOD FRM-FRM, SM HRD, SH: PRED DRK GRY, SM MED - LT GRY, V FN-FN TXT, MED- HRD, SM SFT, PRED CHNKY

LANSING @ 4,080' MD (-981')

LS TAN-CRM, LT GRY. SM OFF WHT-WHT, FN-V FN XLN, MOD FRM-FRM, SM HRD, SH: DRK GRY, SM MED- LT GRY, V FN-FN TXT, MED- HRD, SM SFT, CHNKY,

LANSING GRP @ 4,138' MD

LS: MSTLY WHT-OFF WHT, SCAT TAN- LT CRM, FN-V FN XLN, PRED MOD FRM-FRM, OCC HRD THRU OUT, SCAT

LS- GY OFF WHT, HARD, F-VFG.
LS: MSTLY LT GRY- GRY, SM OFF WHT, SCAT TAN- LT CRM, FN-V FN XLN,

LANSING B @ 4,218' MD

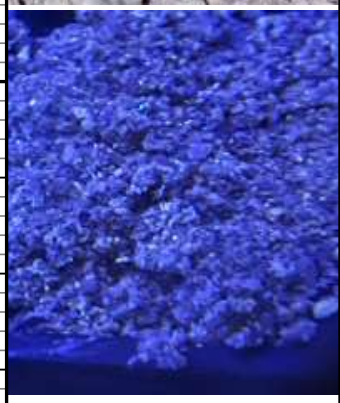
LS: MSTLY LT GRY- GRY, SM OFF WHT, SCAT TAN- LT CRM, FN-V FN XLN, PRED MOD FRM-FRM, OCC HRD THRU OUT, SCAT MED-DRK GRYSH LP., V PR

KD
CG 38 U.
KD
KD
TEST GAS 286 U.
KD
KD
CG 57 U
KD
KD

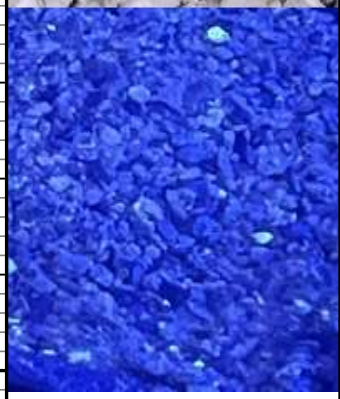
ROP (min/ft) 0 5
G/R (API) 0 150

0 MERIT ENERGY LLC WENU #605 100

SAMPLE @ 4,060'



SAMPLE @ 4,180'



DEVIATION SURVEY @4,269' INC 0.5 AZ 262

MUD WT: 9.1
VIS: 58

WOB: 24K
RPM: 107
SPM: 93
PP: 1902

DEVIATION SURVEY @4,425' INC 0.7 AZ 104

4300
4350
4400
4450

INTRXLN

KD
CG 37 U

IOLA @ 4,305' MD (-1,206')

KD
CG 55 U

LS- GY LT TN, HRD, CHRT, HRD TO BRITTLE, F-VFN XLN, QRTZ-XLS

KD
CG 32 U.

MNCRK @ 4,359' MD (-1,260')

FG 55 U.

KD

DRUM @ 4,386' MD (-1,287')

B. DRUM @ 4,399' MD

0 ROP (min/ft) 5
0 G/R (API) 150

0 MERIT ENERGY LLC WENU #605 100

CG 61 U.

KD

LS: MSTLY LT GRY- GRY, SM OFF WHT- WHT, SM TAN - CRM, FN - V FN XLN, PRED MOD FRM-FRM, OCC HRD- V HRD, SCAT MED- LT DRTY GRY SH I.P.,

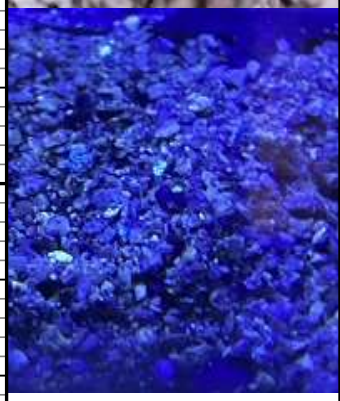
KD
CG 34 U.

DENNIS @ 4,467' MD (-1,367')

SH: PRED LT-MD GY, SME D K GY, PRED FRM-V FRM, SME MOD FRM

KD

SAMPLE @ 4,300'



SAMPLE @ 4,420'

MUD WT: 9.2
VIS: 57

DEVIATION SURVEY @4,594' INC 0.7 AZ 56

WOB: 25K
RPM: 108
SPM: 95
PP: 1902

MUD WT: 9.2
VIS: 57

0 ROP (min/ft) 5
0 GR (API) 150

4500
4550
4600
4650
4700

THRU OUT, SLTY, PRED CHNKY, PLTY THRU OUT, W/LS: PRED LT GY-CRM, OCC WHT, VF-FN XLN, PRED FLKY, PRED MOD FRM-FRM, OCC V FRM, PR INTRXLN POR, FNT SCAT WHI/GRNSH FLUOR, NO CUT, NO RES RING

LS: MSTLY LT GRY- GRY, SM OFF WHT- WHT, SCAT TAN- CRM, FN- V FN XLN, PRED HRD- V HRD, SCAT MED-DRK GRY SH I.P., V PR INTRXLN POR, DULL YEL FLUOR, NO CUT, NO RES RING

STARK@ 4,542' MD (-1,443')

SWOPE @ 4,559' MD (-1,460')

SH: PRED DRK GRY- MED GRY, SM LT GY, PRED FRM-V FRM, SM MOD FRM THRU OUT, SLTY, PRED CHNKY, PLTY THRU OUT, W/LS: PRED LT GRY-CRM, OCC WHT, V FN-FN XLN, PRED FLKY, PRED MOD FRM-FRM, OCC V FRM, PR INTRXLN POR, FNT SCAT WHI/GRNSH FLUOR, NO CUT, NO RES RING

HUSH SH. @ 4,603' MD

HERTHA LS @ 4,619' MD

EXLINE LS @ 4,651' MD (-1,551'

PLSNT SH. @ 4,697' MD

KD

SHG 150 U.

SCALE CHANGE 0-1000

Scale Change
MERIT ENERGY LLC WENU #605 1000

SHG 921 U.

CG 200 U.

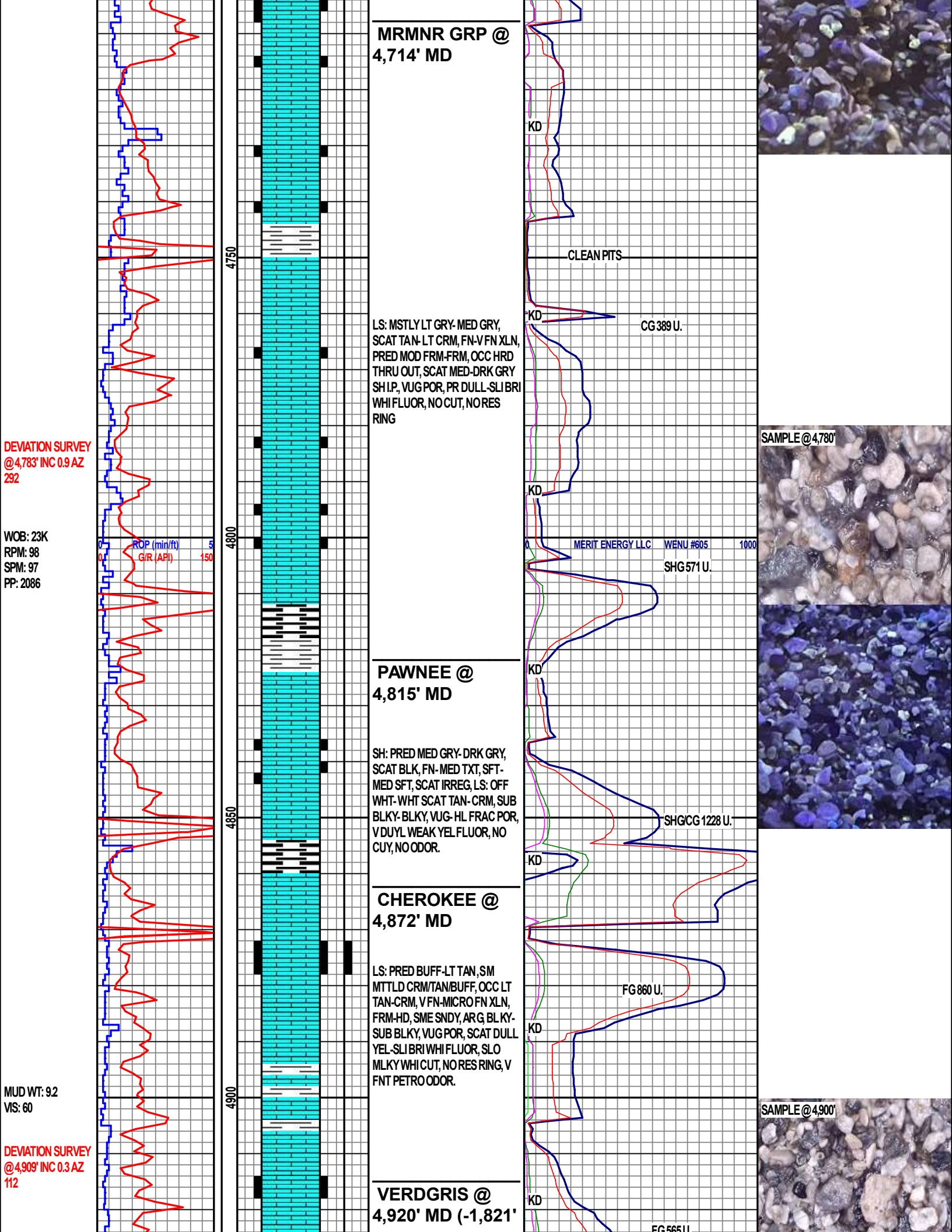
CG 369 U.

FG 357 U.

CG 232 U.

SAMPLE @4,540'

SAMPLE @4,660'


MRMNR GRP @ 4,714' MD
KD
CLEAN PITS
LS: MSTLY LT GRY- MED GRY, SCAT TAN- LT CRM, FN-V FN XLN, PRED MOD FRM-FRM, OCC HRD THRU OUT, SCAT MED-DRK GRY SH I.P., VUG POR, PR DULL-SLI BRI WHI FLUOR, NO CUT, NO RES RING
CG 389 U.
SAMPLE @4,780'
DEVIATION SURVEY @4,783' INC 0.9 AZ 292
WOB: 23K
RPM: 98
SPM: 97
PP: 2086
ROP (min/ft)
G/R (API)
MERIT ENERGY LLC
WENU #605
SHG 571 U.
PAWNEE @ 4,815' MD
SH: PRED MED GRY- DRK GRY, SCAT BLK, FN- MED TXT, SFT- MED SFT, SCAT IRREG, LS: OFF WHT- WHT SCAT TAN- CRM, SUB BLKY- BLKY, VUG- HL FRAC POR, V DUYL WEAK YEL FLUOR, NO CUY, NO ODOR.
SHG/CG 1228 U.
CHEROKEE @ 4,872' MD
LS: PRED BUFF-LT TAN, SM MTTLD CRM/TAN/BUFF, OCC LT TAN-CRM, V FN-MICRO FN XLN, FRM-HD, SME SNDY, ARG, BLKY- SUB BLKY, VUG POR, SCAT DULL YEL-SLI BRI WHI FLUOR, SLO MLKY WHI CUT, NO RES RING, V FNT PETRO ODOR.
FG 860 U.
SAMPLE @4,900'
MUD WT: 9.2
VIS: 60
DEVIATION SURVEY @4,909' INC 0.3 AZ 112
VERDGRIS @ 4,920' MD (-1,821'
FG 565 U.
4750
4800
4850
4900

MUD REPORT
Depth 4,960'
WT 9.1
VIS 58
PV 17
YP 21
GEL 15/39
API 6.4
CK 1/32
SOLIDS 5.4
CHL 1,500
PH 11.0
OIL/WAT. 94.6

WOB: 25K
RPM: 107
SPM: 96
PP: 2121

DEVIATION SURVEY
@5,063' INC 0.4 AZ
83

MUD WT: 9.1
VIS: 58

0 ROP (min/ft) 5
0 G/R (API) 150

4950
5000
5050
5100

P
P
P

KD
CG 528 U.

LS: MSTLY LT GRY- MED GRY, SCAT TAN- LT CRM, OCC OFF WHT- WHT,FN-V FN XLN, PRED MOD FRM-FRM, OCC HRD THRU OUT, SCAT MED-DRK GRY SHLP., SM VUG POR, TRAC HL FRAC POR, DULL YEL FLUOR, NO CUT, NO RES RING

KD
CG 283 U.

0 MERIT ENERGY LLC WENU #605 1000

LS: PRED GRY-OFF WHT, OCC TN-CRM, V FN-FN XLN, MICRO FN XLN THRU OUT, CHNKY, MOD FRM-FRM, OCC V FRM, PR INTRXLN POR, TRC HL FRAC POR, W/SH: PRED DRK GRY- MED GRY, MED- F N TXT, MOD FRM-FRM, SM V FRM THRU OUT, PRED CHNKY-PLTY, TRAC DULL GLD FLUOR, NO CUT, NO RES RING

KD
CG 865 U.

KD

ATOKA GRP @ 5,055' MD

KD
CG 224 U.

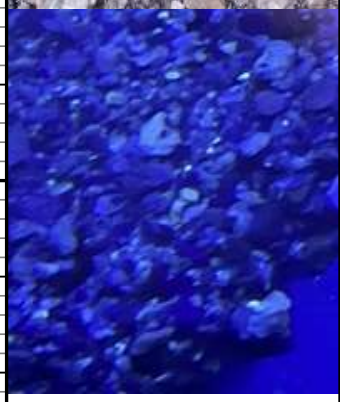
FIXED GAS LINE

SH: PRED MED GRY- DRK GRY, SCAT BLY, FN- MED TXT, SFT- MED SFT, SCAT BRTL, BLKY- IRREG,TRAC OF FREE PYR, LS: PRED GRY-OFF WHT, OCC TN-CRM, V FN-FN XLN, MICRO FN XLN THRU OUT, CHNKY, MOD FRM-FRM, OCC V FRM, PR INTRXLN POR, TRC HL FRAC POR, V DUL WEAK YEL FLUOR, NO CUT, NO SHOW.

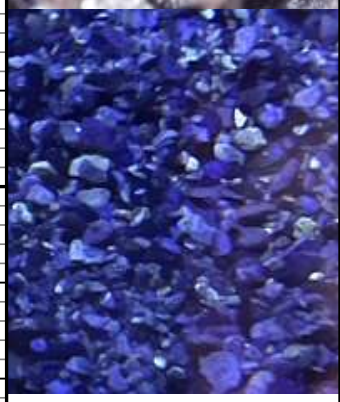
KD
CG 785 U.

KD

ATOKA @ 5,138' MD (-3,039')



SAMPLE @ 5,050'



MD (-2,039')

SH: PRED MED GRY- DRK GRY, SCAT BLK, FN- MED TXT, SFT- MED SFT, SCAT BRTL- SLI FRM, BLKY- IRREG, SCAT FLKY- SPLT, LS SCAT THRU OUT.

WOB: 20K
RPM: 107
SPM: 96
PP: 1867

ROP (min/ft) 0 5
G/R (API) 0 150

MORROW @ 5,208' MD

SH: PRED DRK GRY-BLK, OCC MED GRY-GRY, PRED FN-V FN TXT, TRC SLI SLTY TXT, OCC WXY-SUBWXY, MOD FRM-FRM, SM SFT, SCAY BRTL, W/LS: OFF WHT-LT GRY, SCAT CRM-LT TAN, V FN-MICRO FN XLN, OCC FN XLN, MSTLY CHNKY-BLKY, FRM-MOD FRM, OCC HRD, PR-V PR INTRLXLN POR, V DULL WEAK YEL FLUOR, NO CUT, NO RES RING

DEVIATION SURVEY @5,261' INC 1.1 AZ 330

MORROW LIME @ 5,269' MD (-2,170')

LS: OFF WHT-LT GRY, SCAT CRM-LT TAN, V FN-MICRO FN XLN, OCC FN XLN, MSTLY CHNKY-BLKY, FRM-MOD FRM, OCC HRD, PR-V PR INTRLXLN POR, V DULL WEAK YEL FLUOR, NO CUT, NO RES RING

MUD WT: 9.1
VIS: 58

MID MORROW SANDS @ 5,325' MD (-2,226')

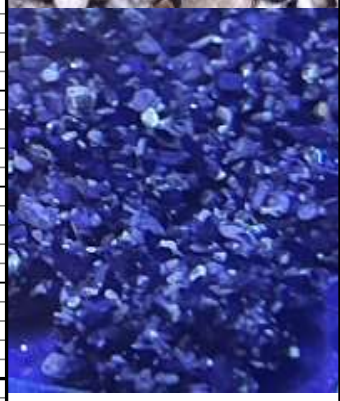
LWR MORROW SANDS @ 5,356' MD (-2,257')

5150
5200
5250
5300
5350

FG 883 U.
KD
FG 915 U.
KD
0 MERIT ENERGY LLC WENU #605 1000
SHG 1615 U.
KD
KD
KD
CG 446 U.
KD

SAMPLE @ 5,170'

SAMPLE @ 5,280'



DEVIATION SURVEY @5,378' INC 0.8 AZ 78

WOB: 25K
RPM: 107
SPM: 96
PP: 1867

0 ROP (min/ft) 5
0 G/R (API) 150

RESET HOLE DEPTH AT 1730-1930

HOLE DEPTH RESET

MUD WT: 9.1
VIS: 58

DEVIATION SURVEY @5,521' INC 1.3 AZ 43

DEVIATION SURVEY @5,583' INC 1.4 AZ 52

2/19/2022

5400
5450
5500
5550

LS: PRED TAN- CRM, SM OFF WHT- WHT, SCAT LT DRTY GRY, FN- MED XLN, SM VUG POR, TRAC HL FRAC POR, DRK CARB SH I.P., V DULL WEAK YEL FLUOR, V WEAK PETRO ODOR, V SLOW BLU MLKY CUT, V THN SPTD IRREG RES RING.

FG 858 U.

0 MERIT ENERGY LLC WENU #605 1000

LS: PRED TAN- CRM, SCAT OFF WHT- WHT, FN- MED XLN, BLKY- SUB BLKY, PR INTERXLN POR, V DUL WEAK YEL FLUOR, V SLOW BLU WEAK SPTD MLKY CUT, V THN SPTD IRREG RES RING.

KD

CG 457 U.

KD

CSTR LIME @ 5,434' MD (-2,335'

CSTR LIME BASE @ 5,472' MD (-2,472')

KD

ST. GEN @ 5,475' MD (-2,375')

LS: PRED OFF WHI-CRM, SCAT LT TAN-TAN, BUFF, FN-V FN XLN, SCAT MICRO FN XLN, MSTLY FRM-MOD FRM, OCC HRD, TRC SFT, SLI BRTL, SCAT-SME DOLMC CLSTRS/STRNGRS, TRC HL FRAC POR, PR-SLI FR INTRXLN POR, SLI TRC BRI GRN/DUL GLD FLUOR, SLO DULL MLKY WHI CUT, PR SPTTY WHI RES RING

KD

KD

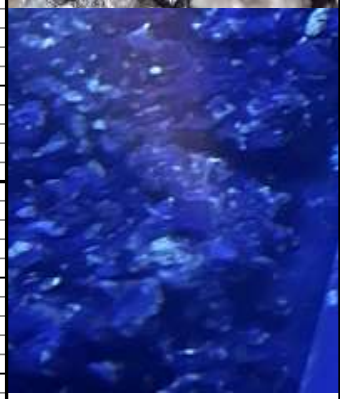
CG 245 U.

LS; OFF WHT, BRITTLE MD-F, VF XLN GRN, SME HRD, BRTL, SCAT TRC DOLMC I.P., PR INTRXLN POR, SCAT-TRC HL FRAC POR, V SLI TRC,

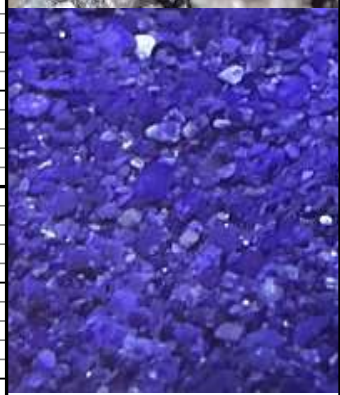
KD

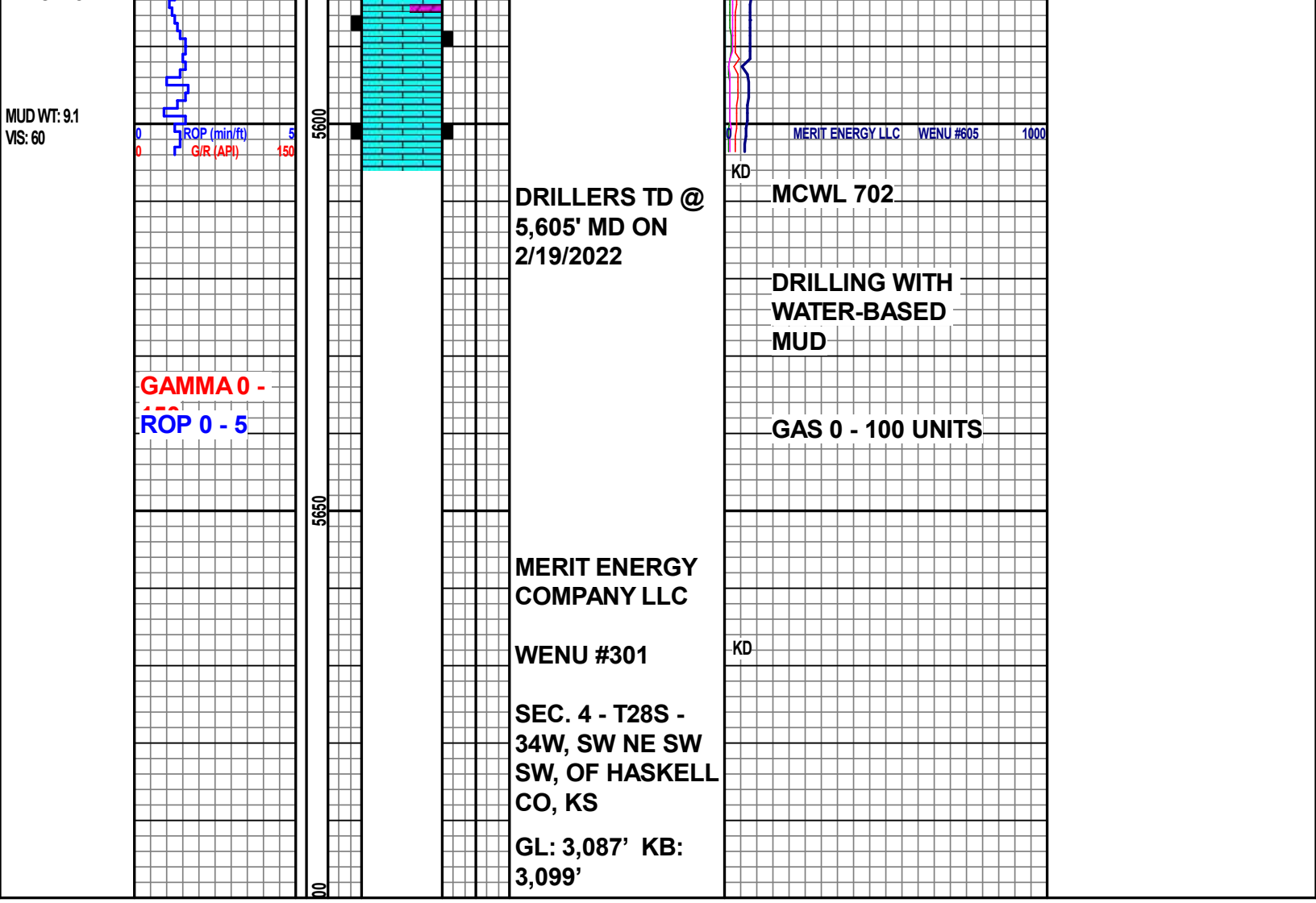
CG 94 U

SAMPLE @ 5,400'



SAMPLE @ 5,500'




MUD WT: 9.1
VIS: 60
0
ROP (min/ft)
5
0
G/R (API)
150
5600
5650
GAMMA 0 -
ROP 0 - 5
DRILLERS TD @ 5,605' MD ON 2/19/2022
MERIT ENERGY COMPANY LLC
WENU #301
SEC. 4 - T28S - 34W, SW NE SW SW, OF HASKELL CO, KS
GL: 3,087' KB: 3,099'
0
MERIT ENERGY LLC
WENU #605
1000
KD
MCWL 702
DRILLING WITH WATER-BASED MUD
GAS 0 - 100 UNITS
KD

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

Form 185-2c

2/16/22

CEMENTING JOB LOG

CEMENTING JOB LOG

Company:	MERIT ENERGY COMPANY	**Well Name:**	WENU 605
Type Job:	Cement- Surface	**AFE #:**	

CASING DATA

Size:	8 5/8	Grade:	J-55	Weight:	24		
Casing Depths	Top:	Bottom:	1796				
Drill Pipe:	Size:	Weight:					
Tubing:	Size:	Weight:		Grade:		TD (ft):	1807
Open Hole:	Size: 12 1/4	T.D. (ft):	1807				
Perforations	From (ft):	To:		Packer Depth(ft):			

CEMENT DATA

Spacer Type:									
Amt.		Sks Yield		ft $^3/_{sk}$				Density (PPG)	
LEAD:	CLASS A 2%GYP, 2%SMS, 3%CaCl, 1/4#POLY							Excess	
Amt.	515	Sks Yield	2.43	ft $^3/_{sk}$				Density (PPG)	12.09
TAIL:	CASS A 2%CaCl, 1/4#POLY							Excess	
Amt.	165	Sks Yield	1.19	ft $^3/_{sk}$				Density (PPG)	15.69
WATER:									
Lead:	14.25	gals/sk:	175	Tail:	5.2	gals/sk:	20.5	Total (bbls):	195.5
Pump Trucks Used:	210 DP11								
Bulk Equipment:	228 660-20 229 660-23								
Disp. Fluid Type:	FRESH			Amt. (Bbls.)	112		Weight (PPG):	8.3	
Mud Type:							Weight (PPG):		

COMPANY REPRESENTATIVE: RODNEY GONZALES **CEMENTER:** CHAD HINZ

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE	
0230						ON LOC, SAFTEY MTG, R.U.
0614	1500					TEST LINES
0619	220				5	START LEAD
0707	180			223		START TAIL
0717				35		SHUT DOWN, DROP PLUG
0719	102				5	START DISPLACEMENT, WASHUP
0741	300			101	2	SLOW RATE
0746	400-970			112		PLUG DOWN
0748						RELEASE PSI, FLOAT HELD
0800						JOB COMPLETE
						THANK YOU FOR YOUR BUSINESS!!!

100 BBLS Cement To the pit

Form 185-2c

QUASAR ENERGY SERVICES, INC.

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

FRACTURING / ACID / CEMENT

BID #: 4898	***AFE#/PO#:*** 0		
TYPE / PURPOSE OF JOB	Cement- Surface	**SERVICE POINT**	Liberal, KS
CUSTOMER	MERIT ENERGY COMPANY	**WELL NAME**	WENU 605
ADDRESS	PO BOX 748	**LOCATION**	SUBLETTE, KS
CITY LINSAY	**STATE** OK **ZIP** 73052	**TYPE AND PURPOSE OF JOB**	Cement- Surface
DATE OF SALE 2/16/2022		**COUNTY** HASKELL	**STATE** KS

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
56	1000	L	Mile	Mileage - Pickup - Per Mile	$3.31	$ 185.36
168	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	$6.30	$ 1,058.40
1	5440	L	Per Well	Pumping Charge 0'-3500'	$1,653.75	$ 1,653.75
Subtotal for Pumping & Equipment Charges						**$ 2,897.51**

QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
680	5630	L	Per Sack	Cement - Class A	$16.54	$ 11,247.20
1	6030	L	Per Well	Plug Container	$330.75	$ 330.75
1	4780	L	Each	Guide Shoe 8 5/8"	$515.97	$ 515.97
1	4870	L	Each	Float Collar (Blue) 8 5/8"	$959.18	$ 959.18
1	4900	L	Each	Top Rubber Plug 8 5/8"	$91.88	$ 91.88
6	4920	L	Each	Centralizers 8 5/8"	$92.61	$ 555.66
1,763	5770	L	Per Lb.	Calcium Chloride	$1.32	$ 2,327.16
170	5800	L	Per Lb.	Cello Flakes-Poly Flake 1/8" cut	$2.65	$ 450.50
970	5850	L	Per Lb.	Gypsum	$1.00	$ 970.00
970	5900	L	Per Lb.	Sodium Metasilicate (SMS) C-45	$2.32	$ 2,250.40
4	5751	L	Per Gal.	C-41L Defoamer Liquid	$46.31	$ 185.24
Subtotal for Material Charges						**$ 19,883.94**

WORKERS		
CHAD HINZ	NOEL LEON	
JESSE PAXTON		
CARLOS IBARRA		

		TOTAL	$ 22,781.45
DISCOUNT:	**20%**	**DISCOUNT**	$ 4,556.29
		DISCOUNTED TOTAL	**$ 18,225.16**

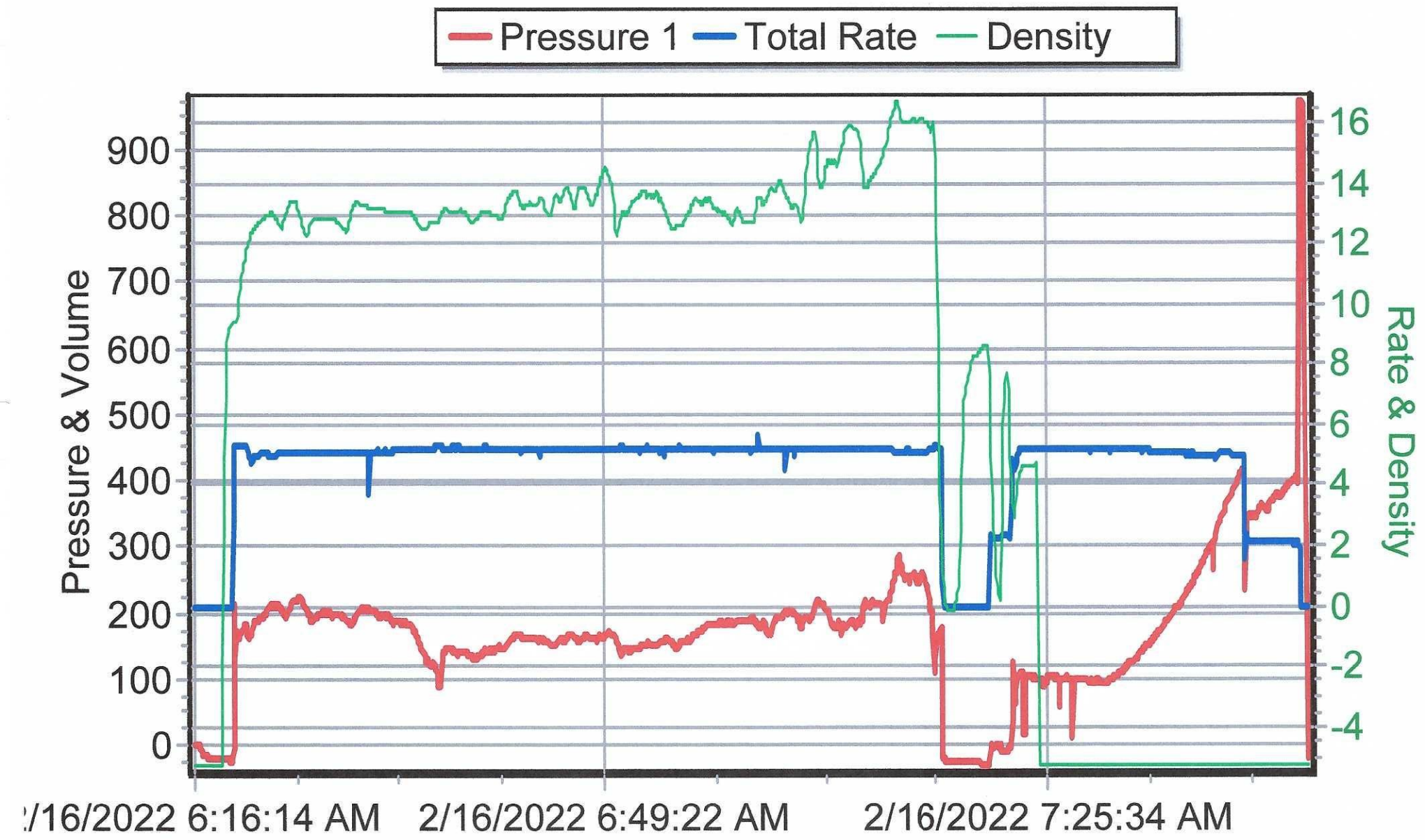
STAMPS & NOTES:

As of 9/22/15 any invoice with a discount must 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.

MERIT ENERGY
WENU 605 8 5/8



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

CEMENTING JOB LOG

Company:	MERIT ENERGY CO.			**Well Name:**	WENU 606		
Type Job:	Cement - DV Tool			**AFE #:**			
CASING DATA							
Size:	5 1/2	Grade:		Weight:			
Casing Depths	Top:	Bottom:	5900				
Drill Pipe:	Size:	Weight:					
Tubing:	Size:	Weight:		Grade:		TD (ft):	
Open Hole:	Size: 7 7/8	T.D. (ft):					
Perforations	From (ft):	To:		Packer Depth(ft):	4753 D.V. TOOL		
CEMENT DATA							
Spacer Type:							
Amt.	Sks Yield	ft ^{3}/$_{sk}$		Density (PPG)			
LEAD:	CLASS C 50/50/25%GYP, 5#KOLSEAL,1/4#POLY, .5%C15, 10%SALT			Excess			
Amt. 125	Sks Yield 1.54	ft ^{3}/$_{sk}$		Density (PPG)	13.79		
TAIL:	CLASS C 50/50/25%GYP, 5#KOLSEAL,1/4#POLY, .5%C15, 10%SALT			Excess			
Amt. 165	Sks Yield 1.54	ft ^{3}/$_{sk}$		Density (PPG)	13.79		
WATER:							
Lead: 7	gals/sk: 21	Tail: 7	gals/sk: 28	Total (bbls):	49		
Pump Trucks Used:	210 DP11						
Bulk Equipment:	228 660-20						
Disp. Fluid Type:	FRESH/MUD	Amt. (Bbls.)		Weight (PPG):	8.3/9.2		
Mud Type:				Weight (PPG):			

COMPANY REPRESENTATIVE: RODNEY GONZALES **CEMENTER:** CHAD HINZ

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE	
0900						ON LOC, SAFTEY MTG, R.U.
1129	480				6	PUMP SS FLUSH
1133	480			12	6	H2O SPACER
1137	520			5	6	START MIXING
1147				34.3		SHUT DOWN, WASHUP, DROP PLUG
1152	350				6	START DISPLACEMENT
1157	330			26	6	START MUD
1217	430			131	2	SLOW RATE
1219	430-1030			136		PLUG DOWN
1220						DROP BOMB
1241	970-360					OPEN TOOL
1250						CIRC W/RIG 4 HRS
1629	220				6	PUMP SS FLUSH
1633	220			12	6	H2O SPACER
1636				5		PLUG RAT & MOUSE
1645	280				6	START MIXING
1703				31.5		SHUT DOWN, WASHUP, DROP PLUG
1708	100				6	START DISPLACEMENT
1725	460			100	2	SLOW RATE
1732	735-1810			110		PLUG DOWN
1734						RELEASE PSI, TOOL SHUT
						JOB COMPLETE, THANK YOU!!!

Form 185-2c

QUASAR ENERGY SERVICES, INC.

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

FRACTURING / ACID / CEMENT

BID #: 5082	***AFE#/PO#:*** 0		
TYPE / PURPOSE OF JOB	Cement - DV Tool	**SERVICE POINT**	Liberal, KS
CUSTOMER	MERIT ENERGY CO.	**WELL NAME**	WENU 606
ADDRESS	PO BOX 748	**LOCATION**	SUBLETTE, KS
CITY LINDSAY	**STATE** OK **ZIP** 73052	**TYPE AND PURPOSE OF JOB**	Cement - DV Tool
DATE OF SALE 3/22/2022		**COUNTY** HASKELL	**STATE** KS

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
56	1000	L	Mile	Mileage - Pickup - Per Mile	$5.31	$ 297.36
112	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	$8.30	$ 929.60
1	5470	L	Per Well	Pumping Charge 4501'-5000'	$1,905.12	$ 1,905.12
1	5490	L	Per Well	Pumping Charge 5501'-6000'	$2,123.42	$ 2,123.42
Subtotal for Pumping & Equipment Charges						**$ 5,255.50**

QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
290	5670	L	Per Sack	Cement - Lite - C	$19.85	$ 5,756.50
1	6030	L	Per Well	Plug Container	$330.75	$ 330.75
1	4300	L	Each	Auto Fill Shoe (Blue) 5 1/2"	$396.90	$ 396.90
1	4370	L	Each	Latch Down Plug & Baffle 5 1/2"	$859.95	$ 859.95
1	4380	L	Each	D.V. Tool (Red) 5 1/2"	$6,879.60	$ 6,879.60
20	4450	L	Each	Centralizers 5 1/2"	$66.15	$ 1,323.00
1	4470	L	Each	Cement Basket 5 1/2"	$304.29	$ 304.29
120	5710	L	Per Lb.	C-15 Low Temp-Non Retarding Fluid Loss	$11.25	$ 1,350.00
4	5751	L	Per Gal.	C-41L Defoamer Liquid	$46.31	$ 185.24
61	5800	L	Per Lb.	Cello Flakes-Poly Flake 1/8" cut	$2.65	$ 161.65
1,250	5850	L	Per Lb.	Gypsum	$1.00	$ 1,250.00
1,500	5860	L	Per Lb.	Kol-Seal	$0.87	$ 1,305.00
1,000	5875	L	Per Gal.	SS -Flush	$2.89	$ 2,890.00
1,750	5890	L	Per Lb.	Salt	$0.50	$ 875.00
Subtotal for Material Charges						**$ 23,867.88**

WORKERS
CHAD HINZ
JESSE PAXTON
CARLOS IBARRA

		TOTAL	$ 29,123.38
DISCOUNT:	**20%**	**DISCOUNT**	$ 5,824.68
		DISCOUNTED TOTAL	**$ 23,298.70**

STAMPS & NOTES:

As of 9/22/15 any invoice with a discount must 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.

MERIT ENERGY
WENU 606 5 1/2 D.V.