

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. 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	C&M Exploration, LLC
Well Name	DAVIDSON 30-1
Doc ID	1333152

All Electric Logs Run

Compensated Density / Neutron
Dual Induction
Microlog
Sonic
Cement Bond

Form	ACO1 - Well Completion
Operator	C&M Exploration, LLC
Well Name	DAVIDSON 30-1
Doc ID	1333152

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4360-4373	None	4360-4373
	CIBP	1 sack cement from dump bailer	4350
4	4251-4272	Acidized	4251-4272
4	4278-4292	Acidized	4278-4292
4	4299-4307	Acidized	4299-4307



# MBC WELL LOGGING LLC

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

Well Name: DAVIDSON 1-30 C & M EXPLORATION  
 Location: PRATT COUNTY, KANSAS USA  
 Licence Number: 35335  
 Spud Date: 12-13-2016  
 Surface Coordinates: 330'fsl, 660'fwi SEC 30-T27S-R11W  
 Bottom Hole: ELI WLS  
 Coordinates: API-15-151-22453-00  
 Ground Elevation (ft): 2917' K.B. Elevation (ft): 2928'  
 Logged Interval (ft): 3400 To: 4850 Total Depth (ft):  
 Formation: ARBK. RUN PRODUCTION CSG  
 Type of Drilling Fluid: MUDCO MUD CO BRAD BORTZ (620)793-2421

Region: SOUTHFORK

Drilling Completed: 12-19-2016

WW RIG 14 NOEL PEREZ TP, CHARLES CRAWFORD CO-MAN

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com






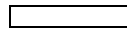



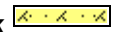

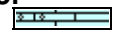



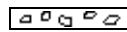




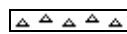


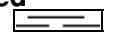









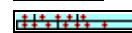

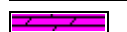




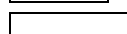
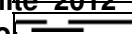
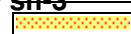

## OPERATOR

Company: C & M EXPLORATION LLC  
 Address: CHARLES CRAWFORD (918)691-4905  
 PO BOX 14331  
 TULSA, OKLAHOMA 74159

## MUDLOGGER

Name: AUSTIN GARNER CELL (620)655-2016  
 Company: MBC WELL LOGGING LLC  
 Address: 21156 RD 22  
 MEADE, KANSAS 67864

## ROCK TYPES

	Ign		Dolo new		Gyp		Ss		Calc shale
	New symbol		Newdolo ls		Sltst		Grn sh strk		Granitewash
	Anhy		Ls & ooids		Salt		Lmy sh-2		Ls shly-b
	Brec		Oolitic ls -1		Sndy sh--reg		Grn mott gy		Poor sortd ss
	Cht		Stgensndy-		Sndy sh		Shale-1		Snd-ls-sh
	Coal		New ls-1		Sltst-1		Red sh-1		Stgensndy-arkos
	Congl		Carby shale		Sltly-shale		Stgensndy-arkos		Sndy ool ls
	New dolomite		Lmy carby		Lmy ss-1		Sndy ool ls		Sndy-ls-1
	New symbol		Carb sh		Arkosic snd		Sndy-ls-1		

## ACCESSORIES

### LITHOLOGY

- Ign
- New symbol
- Anhy
- Brec
- Cht
- Coal
- Congl
- New dolomite 2012
- New symbol
- Dolo new
- Newdolo ls 2
- Ls & ooids
- Oolitic ls -1
- Stgensndy-arkos
- New ls-1
- Carby shale
- Lmy carby sh-3
- Carb sh
- Gyp
- Sltst
- Salt
- Sndy sh--red
- Sndy sh
- Sltst-1
- Sltly-shale
- Lmy ss-1

- Arkosic snd
- Ss
- Grn sh strk
- Lmy sh-2
- Grn mott gy sh
- Shale-1
- Red sh-1
- Stgensndy-arkos
- Sndy ool ls
- Sndy-ls-1
- Calc shale
- Granitewash
- Ls shly-b
- Poor sortd ss
- Snd-ls-sh

### FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin

- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- New dolostringer
- Dol
- Fldspr-1
- Ferrpel

- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Qtz
- New symbol
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Styolitic
- Slickenside

### STRINGER

- Anhy
- Red sh stringer
- Arg
- Bent
- Coal

- Dol
- Gyp
- Oolls-1
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Grn sh strk

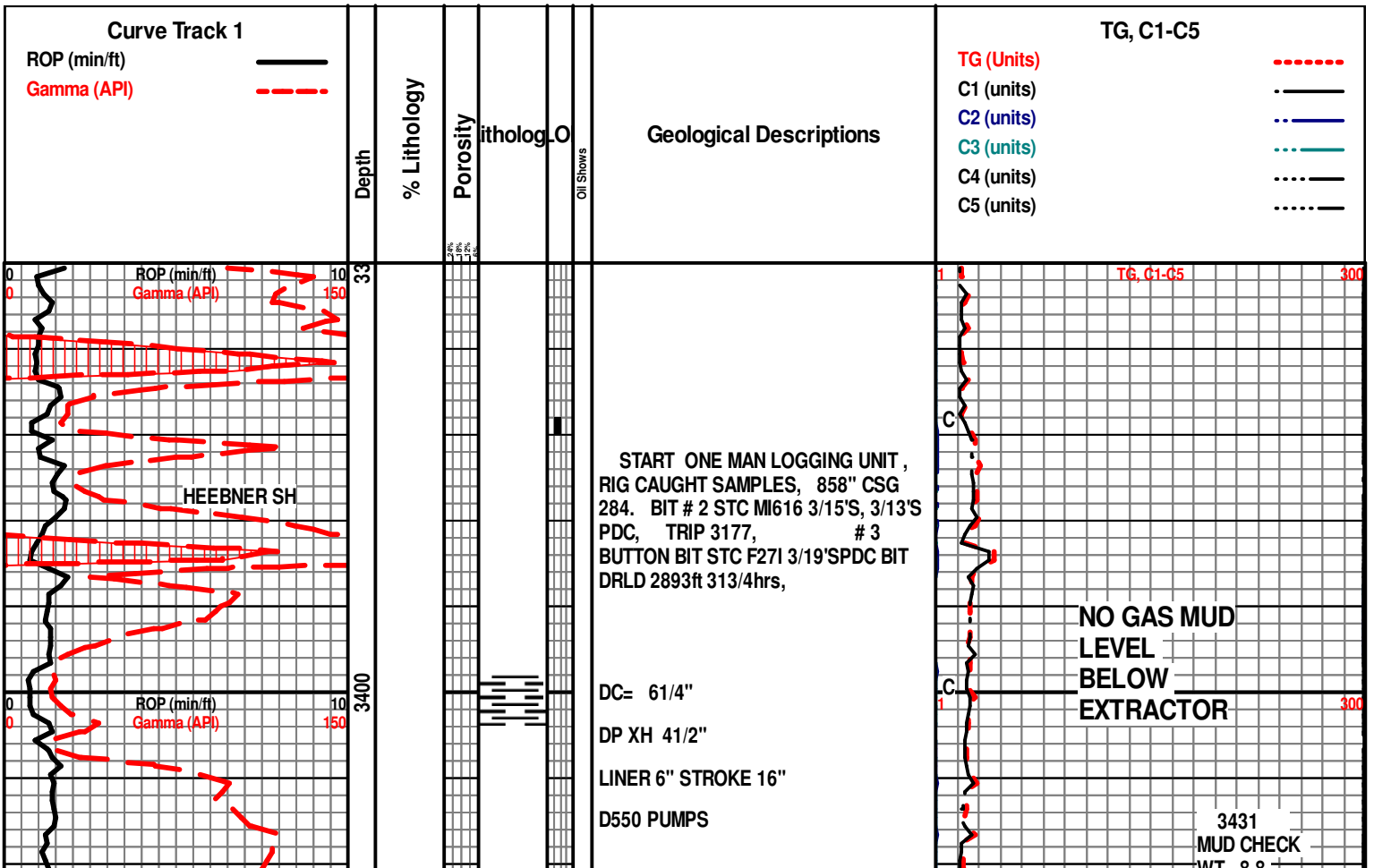
### TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

### OIL SHOW

- Even
- Spotted
- Ques
- Dead

## Comments



PP 850  
SPM 50  
WOB 38  
SPM 80+

### NO SAMPLES

NOTE LOST 150 BBL AT 2863 TOTAL  
LOSS 250-300bbl FROM 2863 TO 3177

WT 0.9  
VIS 45  
PV 13YP 14  
GEL 11/34  
PH 12.5  
FIL 11.2  
ALKFIUL 2.2/  
CHL 8,000  
CAL 80  
SOL 3.1  
LCM 16

3450

3500

3550

3600

ROP (min/ft)  
Gamma (API)

10  
150

#### D550 PMPS

SS; OFF WH CLR, VF-F GR, HD TT TO  
MED TT, SME V/SLI CALC, VF BLK MN,  
NO ODOR, NO BLK FLOR, NSOC

LS; DULL TN TO BUFF, HD F XLN TO  
F- SPARRY RD XTLS, TR COMNGLD LT  
GYISH GRN SH, OCC FOSS FRGS, TR  
F-XTL DOLOMITIC NO ODOR, SME  
DULL YEL FLOR, NSOC

SS; OFF WH SLI GY, SME SLI BRN  
TINT FR TO MED TT, BLK LENS, MICA,  
INCRS CALC BLK FLOR NSOC NO  
ODOR

LS; LT BUFF TO GYISH BRTL  
SPARRITIC, SME FGOSS, CHLKY IP, TO  
OOL, TR GYISH GYP W/ SLT MOLD,  
SUCROSIC GY W/ DK PELL, MFNSOC  
NO ODOR INTBD SS STRINGERS

LS; GY BRN F SNDY TR OOL LS  
STRNGR, MFNSOC NO ODOR

LS; TN GY FOSS FRGMTL, TO VF  
OOL, - HASH-, MFNSOC, NO ODOR  
INCRS LT GY SUCROSIC W/ BLK NOD  
& PELL

LS; GY BRN HD DNS FOSS FRGMTL,  
CHLK EDGES, GY VIT CHT, STYOLITIC  
IP MFNSOC NO ODOR

LS; TR TN SUGARY MED OOLCAS,  
NO SHOW— PREDLS; GY BRN HD  
XLN FOSS FRGMTL, & TRACE FOSS,  
CHLKY IP, PYR MFNSOC

READJUST  
EXT

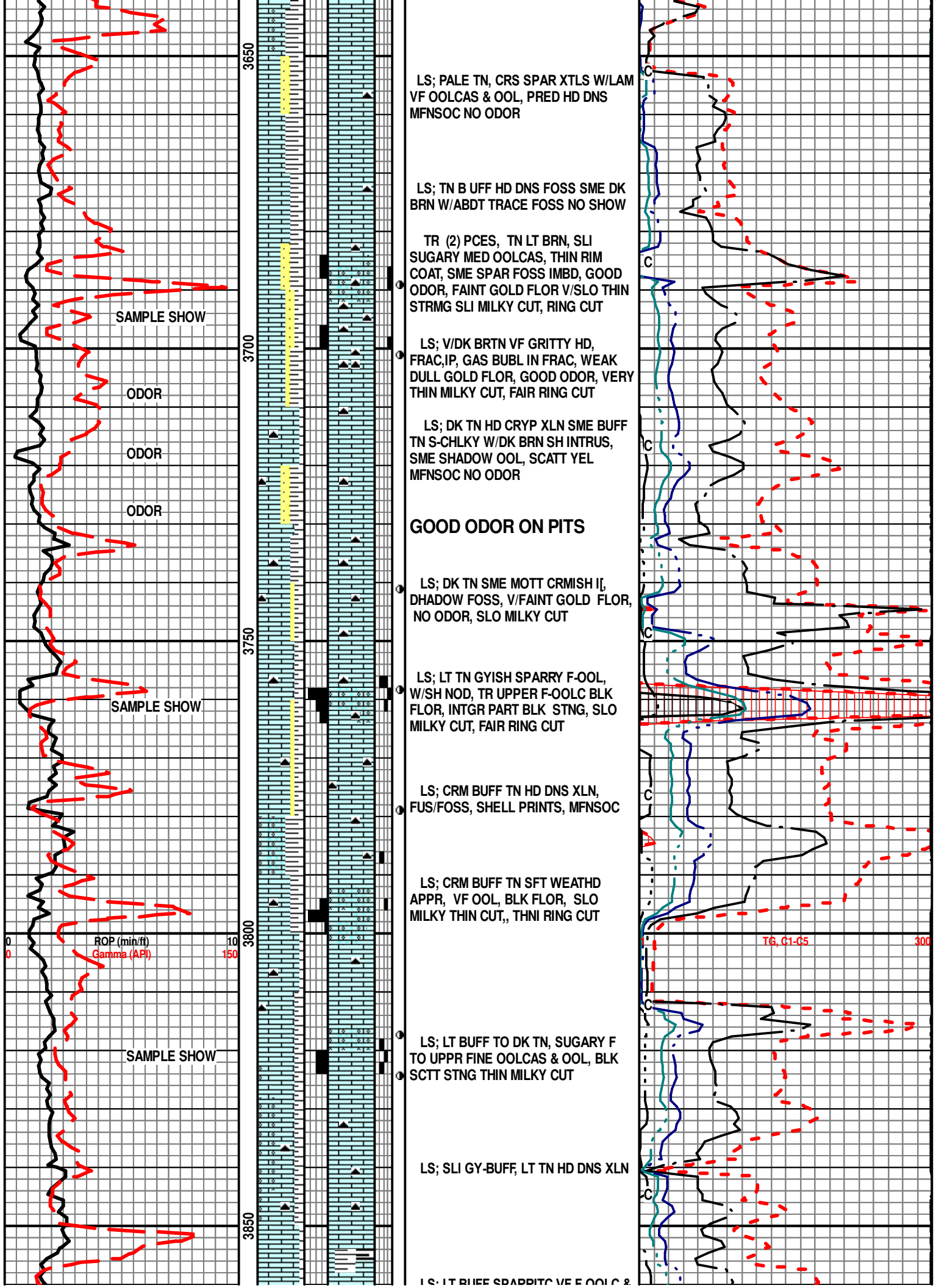
MUDLEVEL  
FLOODED  
EXTR

TG, C1-C5

300

FREEZING  
OFF AT PITS





LS; PALE TN, CRS SPAR XTLS W/LAM  
VF OOLCAS & OOL, PRED HD DNS  
MFNSOC NO ODOR

LS; TN B UFF HD DNS FOSS SME DK  
BRN W/ABDT TRACE FOSS NO SHOW

TR (2) PCES, TN LT BRN, SLI  
SUGARY MED OOLCAS, THIN RIM  
COAT, SME SPAR FOSS IMBD, GOOD  
ODOR, FAINT GOLD FLOR V/SLO THIN  
STRMG SLI MILKY CUT, RING CUT

LS; V/DK BRN VF GRITTY HD,  
FRAC,IP, GAS BUBL IN FRAC, WEAK  
DULL GOLD FLOR, GOOD ODOR, VERY  
THIN MILKY CUT, FAIR RING CUT

LS; DK TN HD CRYP XLN SME BUFF  
TN S-CHLKY W/DK BRN SH INTRUS,  
SME SHADOW OOL, SCATT YEL  
MFNSOC NO ODOR

**GOOD ODOR ON PITS**

LS; DK TN SME MOTT CRMISH II,  
DHADOW FOSS, V/FAINT GOLD FLOR,  
NO ODOR, SLO MILKY CUT

LS; LT TN GYISH SPARRY F-OOL,  
W/SH NOD, TR UPPER F-OOLC BLK  
FLOR, INTGR PART BLK STNG, SLO  
MILKY CUT, FAIR RING CUT

LS; CRM BUFF TN HD DNS XLN,  
FUS/FOSS, SHELL PRINTS, MFNSOC

LS; CRM BUFF TN SFT WEATHD  
APPR, VF OOL, BLK FLOR, SLO  
MILKY THIN CUT,, THNI RING CUT

LS; LT BUFF TO DK TN, SUGARY F  
TO UPGR FINE OOLCAS & OOL, BLK  
SCTT STNG THIN MILKY CUT

LS; SLI GY-BUFF, LT TN HD DNS XLN

LS; LT BUFF SPARRY V/F OOLCAS &

SAMPLE SHOW

ODOR

ODOR

ODOR

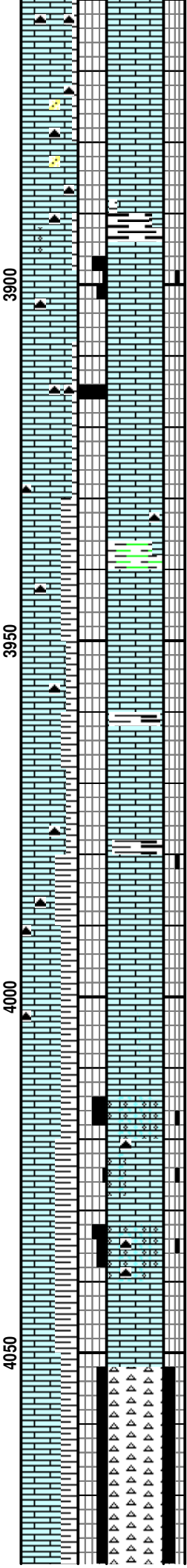
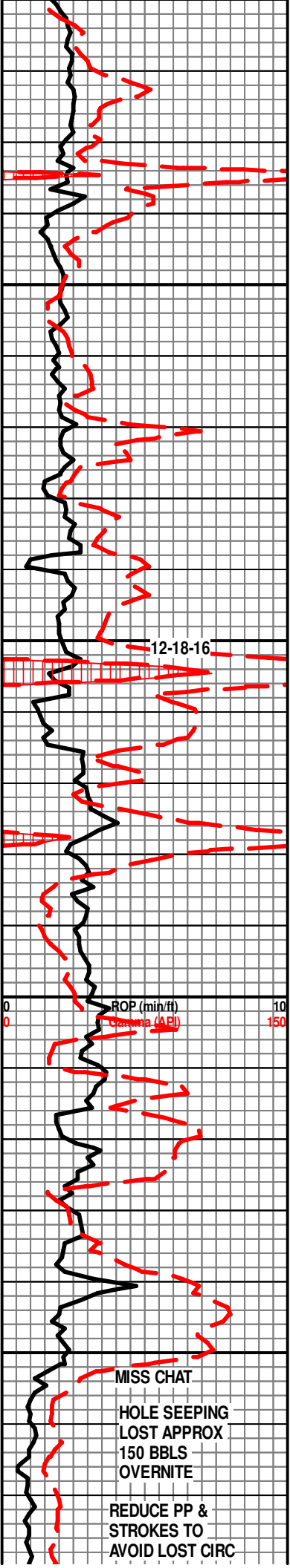
SAMPLE SHOW

ROP (min/ft)  
Gamma (API)

SAMPLE SHOW

TG, C1-C5

300



LS; LT BUFF SPARKLE VF F OOLC & OOL, B LK FLOR BLK SCATT STNG, NO CUT

LS; TN LT TN HD DNS VF-CRYP XLN, FOSS

BLK CARB SH

LS; TN OPAQ, SUGARY VF OOLCA & OOL, BLK SCATT STNG, NO ODOR, V/FAINT GOLD WEAK FLOR, SLO THIN MILKY CUT, FAIR RING CUT

LS; TN MED TN HD XLN ABDT CHT

TR LT TN SPARITIC GRITTY SME OOL, TR FAINT GOLD FLOR, PP BLK ASPH STNG, THIN MILKY CUT, NO ODOR, WEAK RING CUT

SH; BLK SME MOTT GRN, CARB IP

TR LS APALEBUFF SME BONE WH, V/WEATHD APPR, CHLKY, VF OOL, PP BLK STNG, NO ODOR, V/FAINT GOLD FLOR, FLASH THIN MIKY CUT, FAIR RING CUT

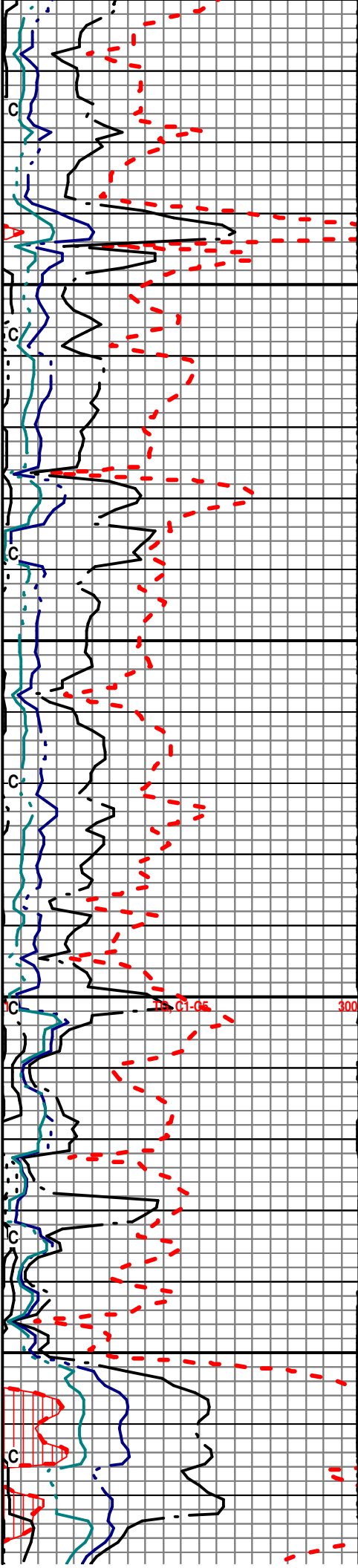
DK GY BLK BLKY SME CARB

LS; TN GY TN HD XLN W/MOTT GRN PURPL SH NO SHOW

LS; GY WH SPARITIC VF F OOL, WEATHD APPR, PP BLK STNG, SME FAINT GOLD FLOR, NO ODOR, THIN MILKY CUT, LOWER FAIR RING CUT

LS GY TN HD DNS SME SILLIC OOL, MFNSOC

CHAT; MIK WH, TRANSLU, SCATT TN, ANG CONCORD FRC ON VIT, IMBD FOSS IN VIT, PRED TRIPOLITIC WEATHD FOSS, IMBD SHDOW FOSS, IP, GOOD ODOR, PRED PURPL, SME SCATT GOLD FLOR, ASPH STNG, SLO



12-18-16

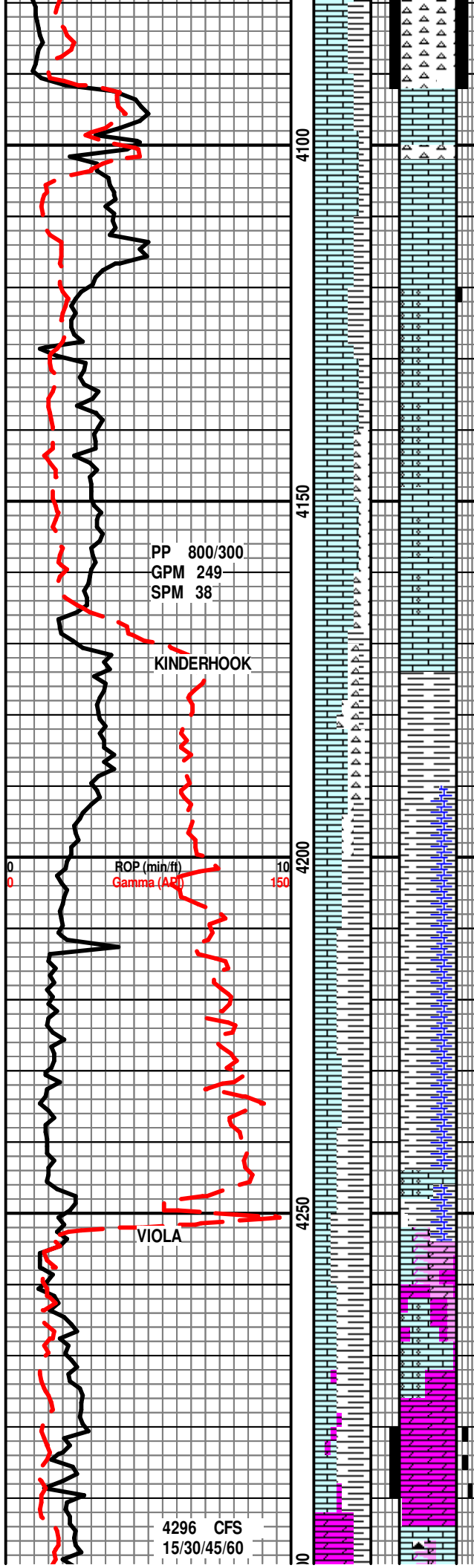
ROP (min/ft)  
Gamma (API)

MISS CHAT  
HOLE SEEPING  
LOST APPROX  
150 BBLs  
OVERNITE  
REDUCE PP &  
STROKES TO  
AVOID LOST CIRC

DS, G1-05

300

COAT FOLDS, FOLDS, RICH STR, SLS  
THIN MIKY CUT, FAIR RING CUT



LS; CRM TN TO CRMISH PINK  
WEATHD, ABDT CHLK, SME SPAR  
CMTED F-OOL, NO ODOR,

LS; CRMISH PINK SFT CHLKY, MICA

LS; LT GYISH TN, SPAR CMTED VF-F  
BIOSPARITIC/OOL, ABDT CHLK, NO  
ODOR, SME TR MIN FLOR NSOC

PP 800/300  
GPM 249  
SPM 38

KINDERHOOK

LS; TN, MED BRN, F-XLN, MILK WH  
WEATHD CHT W/PYR, SME CLR VIT  
EW/FOSS IMBD, PP BLK SPKC, WEAK  
DULL YEL FLOR, NO ODOR, NSOC

SH GY DK GY, SME BRNISH SMO,  
PLATY TO BLKY SME PYR, INCRS  
CALC

SH DK BRN TO BLK GY, TR GRN,  
BLKY SLTY, LMY PYR,

LT BUFF TN F OOL, CHLKY NO SHOW

DOLO; TRACE-- LT TN GYISH, VF F  
RHOMBIC, INTBDS DOLOMITIC LS &  
LS, ABDSTG DK MOTT WH CHT, SME  
PALE ORNG, W/THIN CLR WINDOW  
PANE LENS W/IMBD FOSS,

BUFF WH, WEATHD APPR, F-OOL  
NO SHOW

DOLO; V/LT TN SLI WH, F-RHOMB,  
BRTL TO FRI, GOOD ODOR ON PITS,  
INTGR RHOM VUG POR IP, PP INTGR  
BLK STNG, TR OVERALL, TR BRITE  
YELWH FLOR, PRED BLK TO V/FAINT  
GOLD, FLASH STRNG MILKY CUT DRY,  
GOOD RESID RING CUT

UNIT FREEZING  
OFF  
TEMP -15\*, WIND  
CHILL -25\*

SCALE  
CHANGE

<OO-1000u>

RE-GLYCOL &  
THAW OUT

4116  
MUD CHECK  
WT 9.3  
VIS 50  
PV 16  
YP 18  
GRL 11/38  
GEL 11/38  
PH 11.0  
FIL 9.6  
ALKFIL .7/  
CHL 6,000  
CAL 80  
SOL 6.7  
LCM 20

TG, C1-C5

1033u

1060u

NOTE 45 & 60 MIN  
CIRC STRONG  
ODOR ON PITS

LS; BRN TN WEATHD APPR, TO F  
-XLN, SHLY SME DOLOMITIC, ABDT  
CHT, BLK TO DK FAINT GOLD MIN  
FLOR NSOC NO ODOR

DK; BRN TN HD SEMI VIT TO SLI  
TRIPOLITIC ANG CONCORD FRAC CHT  
W/ DK BRN TN HD LS NO SHOW

**SAMPLES ARE  
TRASHY-MISMASH**

LS; & DOLOM, DK TN TO TN PRED  
HD DNS ABDT DK BRN CHT NO SHOW

DK BRN GRITTY DOLOMITIC SH

NO EVIDENSE OF SS IN SMPLES, NO  
ODOR,

TR (1) SS WH CLR F GR, ANG, TR  
GLAU, NFSOC

SS; OFF WH, WH, HDTT TO MED TT  
TR FRI, W/SRTED F-GR, S RD TO  
S-ANG, SME SLO DOMO CMT OR  
INTGRUS, ABDT GLAU SCATT MICRO  
PYR, TR DK BRN BANDED SS TR DK  
BRN DOLO W/ F-UPR F IMBD RD CLR  
QTZ, BLK FLOR, BRN STNG PROB MIN  
STN

DK BRN FLAKEY SH

DOLOMITIC LS GY TN TN HD DNS F  
XLN

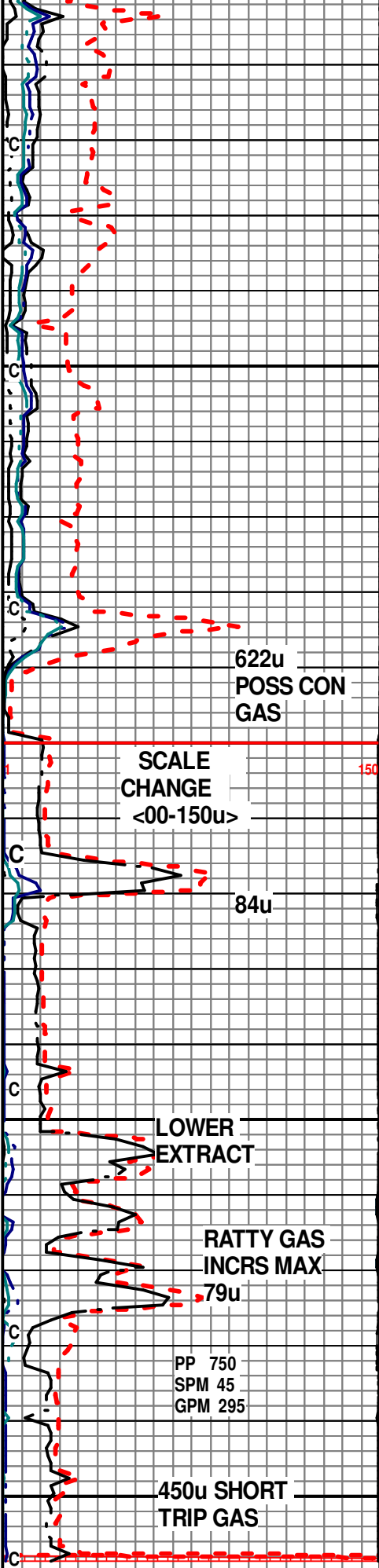
**SAMPLES ARE  
TRASHY-MISMASH**

SS; TR WH CLR F GR NFSOC

LT BRN CHLKY DOLOMITIC OOL  
INTBD GRN CKLAY, NO SHOW

DOLO V/DK BRN MOTT F- UPPER  
FINE RHOMBIC NO SHOW

THANKS FOR USING  
MBC WELL LOGGING  
AUSTIN & MARLA GARNER



4300  
4350  
4400  
4450  
4500

Gamma (API)

12-19-16

METAL IN SMPLS

4510 RTD  
MUD CHECK  
WT 9  
VIS 51  
PV 17  
YP 18  
GEL 145/34  
PH 10.5  
FIL 8.8  
ALKFIL .5/  
CHL 3,000  
CAL 80  
SOL 4.8  
LCM 22

DEV 11/2\* BIT  
WAS SHOT

RTD 4510

622u  
POSS CON  
GAS

SCALE  
CHANGE  
<00-150u>

84u

LOWER  
EXTRACT

RATTY GAS  
INCRS MAX  
79u

PP 750  
SPM 45  
GPM 295

450u SHORT  
TRIP GAS





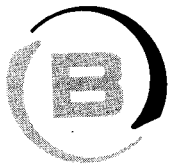
PAID 10/10/17  
94,847.98  
AFE # 140

PAGE 1 of 1	CUST NO 1010866	YARD # 1718	INVOICE DATE 12/29/2016
<b>INVOICE NUMBER</b> <b>92314099</b>			

Pratt (620) 672-1201  
B C & M EXPLORATION LLC  
I PO BOX 14331  
L TULSA  
L OK US 74159  
T  
O **ATTN:**

**LEASE NAME** Davidson 30-1  
**LOCATION**  
**COUNTY** Pratt  
**STATE** KS  
**JOB DESCRIPTION** Cement-New Well Casing/Pi  
**JOB CONTACT**

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE
40989863	27463			Cash Sale	12/29/2016
<b>For Service Dates: 12/20/2016 to 12/20/2016</b>		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
0040989863					
171814855A Cement-New Well Casing/Pi 12/20/2016 Cement 5 1/2" Longstring					
AA2 Cement ✓		175.00	EA	9.35	1,636.25 T
60/40 POZ ✓		50.00	EA	6.60	330.00 T
Celloflake		44.00	EA	2.04	89.54 T
Salt		812.00	EA	0.28	223.30 T
Cement Friction Reducer		50.00	EA	3.30	165.00 T
FLA-322		50.00	EA	4.13	206.25 T
Gilsonite		875.00	EA	0.37	322.44 T
Mud Flush		500.00	EA	0.83	412.50 T
Sugar		100.00	EA	2.75	275.00 T
"Latch Down Plug & Baffle, 5 1/2" (Blue)		1.00	EA	220.00	220.00
"Auto Fill Float Shoe 5 1/2" (Blue)"		1.00	EA	198.00	198.00
"Turbolizer, 5 1/2" (Blue)"		9.00	EA	60.50	544.50
"Unit Mileage Chg (PU, cars one way)"		6.00	MI	2.48	14.85
Heavy Equipment Mileage		12.00	MI	4.13	49.50
62--"Propp & Bulk Del. Chrg per ton mil		1.00	EA	85.80	85.80
Blending & Mixing Service Charge		225.00	BAG	0.77	173.25
Plug Container Util. Chg.		1.00	EA	137.50	137.50
Depth Charge; 4001'-5000'		1.00	EA	1,386.00	1,386.00
"Service Supervisor, first 8 hrs on loc.		1.00	EA	96.25	96.25
<b>PLEASE REMIT TO:</b>		<b>SEND OTHER CORRESPONDENCE TO:</b>		<b>SUB TOTAL</b>	<b>6,565.93</b>
BASIC ENERGY SERVICES, LP		BASIC ENERGY SERVICES, LP		<b>TAX</b>	<b>301.97</b>
PO BOX 841903		801 CHERRY ST, STE 2100		<b>INVOICE TOTAL</b>	<b>6,867.90</b>
DALLAS, TX 75284-1903		FORT WORTH, TX 76102			



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 14055 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 12-20-16	DISTRICT: Pratt	NEW WELL <input type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:		
CUSTOMER: City Examination LLC		LEASE: Davidson				WELL NO. 3111			
ADDRESS:		COUNTY: Pratt		STATE: KS					
CITY:		STATE:		SERVICE CREW: Mattai, Anthony, Adam					
AUTHORIZED BY:		JOB TYPE: 2 42 5 1/2 long string							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
27463 X	1.5					12-20-16		PM	5:41
						ARRIVED AT JOB		AM	7:30
						START OPERATION		AM	11:10
73764 X	1.5					FINISH OPERATION		AM	12:30
						RELEASED		AM	1:30
						MILES FROM STATION TO WELL	6		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	175 3/4 AA-2	SK	175		2975.00
CP 103	60/40 P02	SK	5		600.00
CC 102	Collation	lb	444		1772.80
CC 111	SALT	lb	882		4276.00
CC 112	One Pressure Colducer	lb	50		300.00
CC 129	F1A-322	lb	50		375.00
CC 201	Silicone	lb	87.5		586.25
CA 607	Large Hand Ring + buckle	EA	1		400.00
CA 1291	Anchor for AT 340	EA	1		360.00
CA 1601	Fastener	EA	9		990.00
CA 151	max brush	941	300		750.00
CA 151	Sugar	lb	100		500.00
E 101	P.M. mix	mi	6		27.00
E 101	Heavy eq mix	mi	12		90.00
E 103	P.O.P + bulk d	EA	62		156.00
CA 205	Depth gauge - Hand 5000"	461			2,520.00
CA 205	blend + mix	SK	225		315.00
CA 404	Plug root	Job			250.00
S 006	supervisor	EA	1		175.00
SUB TOTAL					11,938.05

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL		11,938.05	93

SERVICE REPRESENTATIVE: *[Signature]*  
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. \_\_\_\_\_



**TREATMENT REPORT**

Customer CJM EXPLORATION, LLC	Lease No.	Date 12-20-16
Lease DAVISON	Well # 30-1	
Field Order # 14857	Station Pratt	Casing 5 1/2
		Depth 4510 M
Type Job Z42 S/A LONGSTAY	Formation 4312 LTD	County Pratt
		State KS
		Legal Description 34-273-11W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
3 1/2	2 3/8			175 SK AA2	60/4000	2200	5 Min.	
Depth	Depth	From	To	Pre Pad	Max		10 Min.	
4510	4510			50 50	60/4000		15 Min.	
Volume	Volume	From	To	Pad	Min			
106.7	106.7							
Max Press	Max Press	From	To	Frac	Avg			
1500								
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	
4510				106.3				

Customer Representative Charles Crawford	Station Manager Kevin Guinan	Treater Mike Mathis
Service Units 37536	27463	19960 78768
Driver Names MATHIS	ANTMAN	ADAMS

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:30					ON LOCATION / Safety Meeting
					Running 5 1/2 inch casing 2050'
					7000' 240' 3000' 1518
9:40					CASING ON WORK
9:57					Hook to casing / Bore hole work
11:10	400		12	4.5	Pump 12 bbls mud wash
11:13	400		3	4.5	Pump 3 bbl wash
11:14	400		42	5	PAK 175 SK AA2
11:30			4		WASH HOLE / RINSE PUMP
11:37	200			6	START DOWN HOLE
11:56	350		78	5.5	LINE WORK
11:57	800		97	3	SLOW RATE
11:59	1500		106.3		PLUG DOWN / RELEASE + LTD
12:00			7.5		Plug CAT + MATHIS hole
					CONNECTION 7400 JBS
					JOB COMPLETE
					THANK YOU!
					MIKE MATHIS
					JACK + TJD





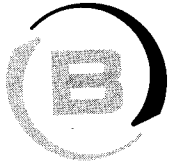
WIP # 1055  
AFE # 118

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1010866	1718	12/23/2016
<b>INVOICE NUMBER</b>			
<b>92309355</b>			

Pratt (620) 672-1201  
 B C & M EXPLORATION LLC  
 I PO BOX 14331  
 L TULSA  
 T OK US 74159  
 O ATTN:

J LEASE NAME Davidson 30-1  
 O LOCATION  
 B COUNTY Pratt  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T  
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE
40988710	19843			Cash Sale	12/23/2016
<i>For Service Dates: 12/14/2016 to 12/14/2016</i>		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
0040988710					
171814852A Cement-New Well Casing/Pi 12/14/2016					
Cement 8 5/8 Surface					
60/40 POZ		350.00	EA	7.20	2,520.00 T
Celloflake		88.00	EA	2.22	195.36 T
Calcium Chloride		903.00	EA	0.63	568.89 T
Sugar		100.00	EA	3.00	300.00 T
"Wooden Cmt Plug, 8 5/8" ""		1.00	EA	96.00	96.00
Flapper Type Insrt Float Valve 5 5/8(blue)		1.00	EA	168.00	168.00
"Unit Mileage Chg (PU, cars one way)"		6.00	MI	2.70	16.20
Heavy Equipment Mileage		12.00	MI	4.50	54.00
90---"Propp & Bulk Del. Chrg per ton mil		1.00	EA	135.45	135.45
Blending & Mixing Service Charge		350.00	BAG	0.84	294.00
Plug Container Util. Chg.		1.00	EA	150.00	150.00
Depth Charge; 0-500'		1.00	EA	600.00	600.00
"Service Supervisor, first 8 hrs on loc.		1.00	EA	105.00	105.00
<b>PLEASE REMIT TO:</b>		<b>SEND OTHER CORRESPONDENCE TO:</b>		<b>SUB TOTAL</b>	<b>5,202.90</b>
BASIC ENERGY SERVICES, LP		BASIC ENERGY SERVICES, LP		<b>TAX</b>	<b>295.70</b>
PO BOX 841903		801 CHERRY ST, STE 2100		<b>INVOICE TOTAL</b>	<b>5,498.60</b>
DALLAS, TX 75284-1903		FORT WORTH, TX 76102			



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

**FIELD SERVICE TICKET**  
1718 14852 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 12-14-16 DISTRICT Pratt				NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:			
CUSTOMER C+M EXPLORATION, LLC				LEASE DAVIDSON WELL NO. 3001			
ADDRESS				COUNTY Pratt STATE KS			
CITY STATE				SERVICE CREW MATIAS, FRANK, HARVEY			
AUTHORIZED BY				JOB TYPE: 242 8 5/8 SUMM.			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 12-14-16	DATE AM PM TIME
19847	25					ARRIVED AT JOB	AM PM 9 45
						START OPERATION	AM PM 1 45
						FINISH OPERATION	AM PM 2 15
19918	5					RELEASED	AM PM 3 00
						MILES FROM STATION TO WELL	6

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CF 103	60/40 lbz	SK	350		4,200.00
CC 109	Caloria chibarr	lb	903		948.15
CC 107	cellulose	lb	88		325.76
CF 153	wooden plug 8 5/8	EA	1		160.00
CF 1453	HAIR - 100% PRATT VAL. 8 5/8	EA	1		280.00
CC 131	SUGAR	lb	100		500.00
E 100	P.M. mud	M	6		27.00
E 101	heavy oil mud	M	12		90.00
E 113	P.M. bulk oil	TA	90		200.75
CC 200	drift charge 0.500	4H	1		1,000.00
CC 240	bleed mix	SK	350		4,900.00
C-500	plug joint	JOB	1		250.00
500	supervisor	EA	1		175.00
SUB TOTAL					8,671.90

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		5,202.90

SERVICE REPRESENTATIVE <u>M. K. Matros</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY <u>[Signature]</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
--	--

FIELD SERVICE ORDER NO. \_\_\_\_\_





FOSSIL DRILLING, INC.  
 PO Box 464  
 Pratt, KS 67124

# Invoice

*PAYED 1/10/2017  
 #137037144  
 MFE 1/19*

Date	Invoice #
1/15/2017	4699
PO #	

Bill To
C&M Exploration LLC. PO Box 14331 Tulsa, OK 74159

Lease Name
Davidson 30-1

Terms	Rig #	Job Type
Net 30	6	completion

Quantity	Description	Rate	Amount
1.5	JANUARY 6, 2017 To location and spotted rig. Shut down for the day. Rig #6 - Double/Double	185.00	277.50T
2.5	JANUARY 6, 2017 Picked up 2 3/8" tubing and pipe fittings to hook up from swab tree to frac tank. Took casing jars and swab tree to location and unloaded. Pickup	50.00	125.00T
2.5	SWAMPER	50.00	125.00
2.5	SWAMPER	50.00	125.00
11.5	JANUARY 9, 2017 To location and rigged up. Rigged up casing swab tool and swabbed well dry. Water truck on location and put 20 BBLs in casing and well was perforated. Ran tubing; 1 Jt, packer, SN and 138 Jts-2 7/8". Set packer and packed off well head. Closed well in and shut down for the day. Rig #6 - Double/Double	185.00	2,127.50T
1	POWER TUBING TONGS	65.00	65.00T
1	THREAD DOPE	45.68	45.68T
2	OIL SAVER RUBBERS	17.82	35.64T
5	5 1/2" V RING	17.40	87.00T
1	5 1/2" J swab cup	167.90	167.90T
1	SWAB LINE - PER DAY	115.00	115.00T
2	CLEANING SOLVENT	4.00	8.00

Phone #	Fax #
620-672-5625	620-672-6814

<b>Sales Tax (0.0%)</b>
<b>Total</b>
<b>Payments/Credits</b>
<b>Balance Due</b>



FOSSIL DRILLING, INC.  
 PO Box 464  
 Pratt, KS 67124

# Invoice

Date	Invoice #
1/15/2017	4699
PO #	

Bill To
C&M Exploration LLC. PO Box 14331 Tulsa, OK 74159

Lease Name
Davidson 30-1

Terms	Rig #	Job Type
Net 30	6	completion

Quantity	Description	Rate	Amount
4	<p>JANUARY 9, 2017            8:30 - 9:30 AM - To location with skid steer. Truck did not make it with tubing and rods to unload and was not going to be at location until 12:00 PM. Left skid steer on location and drove back to yard.            2:00 - 5:00 PM - To location and used skid steer to unload rods and tubing. Moved tubing and casing from last well completed to new location. Loaded equipment and left location.</p> <p>SKID STEER - per hour</p>	85.00	340.00
11.5	<p>JANUARY 10, 2017            To location and checked pressure. Had light blow on tubing and vacuum on the casing. Started swabbing, fluid level was 3000' down, no show. Released packer and pulled it out of the hole. Rigged up Gemini and they set bridge plug and perforated well. Ran 1 Jt, packer, SN and 135 Jts-2 7/8". Set packer and swabbed well dry. Pro-Stim on location and acidized with 160 BBL load. Closed well in and shut down for the day.</p> <p>Rig #6 - Double/Double</p>	185.00	2,127.50T
2	POWER TUBING TONGS	65.00	130.00T
1	THREAD DOPE	45.68	45.68T
2	OIL SAVER RUBBERS	17.82	35.64T
4	2 7/8" MV swab cup	17.03	68.12T
2	2 7/8" TA swab cup	25.07	50.14T
1	SWAB LINE - PER DAY	115.00	115.00T
2	CLEANING SOLVENT	4.00	8.00

Phone #	Fax #
620-672-5625	620-672-6814

<b>Sales Tax (0.0%)</b>
<b>Total</b>
<b>Payments/Credits</b>
<b>Balance Due</b>



FOSSIL DRILLING, INC.  
 PO Box 464  
 Pratt, KS 67124

# Invoice

Date	Invoice #
1/15/2017	4699
PO #	

Bill To
C&M Exploration LLC. PO Box 14331 Tulsa, OK 74159

Lease Name
Davidson 30-1

Terms	Rig #	Job Type
Net 30	6	completion

Quantity	Description	Rate	Amount
	JANUARY 11, 2017 To location and checked pressures, had 100# on tubing and 70# on casing. Blew tubing down and started swabbing, fluid level was 1400' down, had 1200' oil on top. Swabbed back 74 BBLS of water and oil. Well started flowing. Let it flow for 3 hours then Pro-Stim came and killed the well. Released the packer and pulled it out of the hole. Ran back 1 Jt with plug on the bottom, 6' perforated sub, SN and 137 Jts-2 7/8". Packed well of and closed well in. Shut down for the day.		
11.5	Rig #6 - Double/Double	185.00	2,127.50T
2	POWER TUBING TONGS	65.00	130.00T
1	THREAD DOPE	45.68	45.68T
2	OIL SAVER RUBBERS	17.82	35.64T
2	2 7/8" TA swab cup	25.07	50.14T
1	SWAB LINE - PER DAY	115.00	115.00T
2	CLEANING SOLVENT	4.00	8.00
	JANUARY 11, 2017 Loaded, hauled and unloaded frac tank to location.		
2	Road Truck	110.00	220.00
	JANUARY 12, 2017 To location and checked pressures, had light blow on tubing and casing. Blew well down and ran pump and rods. Checked pump, worked OK. Rigged down and cleaned location. Moved rig away from the well and shut down for the day.		
10	Rig #6 - Double/Double	185.00	1,850.00T
1	ROD TONGS - per trip	55.00	55.00T

Phone #	Fax #
620-672-5625	620-672-6814

<b>Sales Tax (0.0%)</b>
<b>Total</b>
<b>Payments/Credits</b>
<b>Balance Due</b>



FOSSIL DRILLING, INC.  
 PO Box 464  
 Pratt, KS 67124

# Invoice

*TUBING LEAK  
 TEST TUBING 1/10*

Date	Invoice #
1/15/2017	4699
PO #	

Bill To
C&M Exploration LLC. PO Box 14331 Tulsa, OK 74159

Lease Name
Davidson 30-1

Terms	Rig #	Job Type
Net 30	6	completion

Quantity	Description	Rate	Amount
	JANUARY 14, 2017 To location and rigged up. Pulled the rods and pump out. Pulled the tubing looking for a leak. Found leak 25 Jts down and 1 blown one at 43 Jts down. Replaced 3 bad Jts and hydrotested the tubing going in the hole. Packed well off and closed well in. Shut down for the day.		
8.5	Rig #6 - Double/Double	185.00	1,572.50T
2	POWER TUBING TONGS	65.00	130.00T
1	ROD TONGS - per trip	55.00	55.00T
1	THREAD DOPE	45.68	45.68T
2	CLEANING SOLVENT	4.00	8.00
	JANUARY 15, 2017 To location and blew well down. Ran the pump and rods. Checked the pump it worked OK. Waited for the pump to start the pumping unit motor. Rigged down, cleaned location and moved from location.		
6	Rig #6 - Double/Double	185.00	1,110.00T
1	ROD TONGS - per trip	55.00	55.00T
	IN 1 Jt w/ plug 6' perforated sub SN 137 Jts-2 7/8" 6' GA 2 1/2"x1 1/2"x12' pull rod BHD 171-3/4" rods 1-4'x3/4" sub 16' PR		

Phone #	Fax #
620-672-5625	620-672-6814

<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total</b>	\$13,837.44
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$13,837.44