

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	Raydon Exploration, Inc.
Well Name	FANSHER FARMS 1-6
Doc ID	1607188

All Electric Logs Run

Quad Combo Log
Dual Induction Log
Micro Log
Compensated Density/Neutron PE Log
Sonic Log

Form	ACO1 - Well Completion
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Well Name	FANSHER FARMS 1-6
Doc ID	1607188

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	4765	4783			
					2700 gals 15% DSFE/MCA- FE HCL acid
4	4674	4678			
4	4689	4703			
					1800 gals 7- 12/% DS-FE- MCA acid
					Frac w/ 41,300 gals Crosslink gel w/ 54,000# 16/30 sand

OPERATOR

Company: Raydon Exploration, inc.
Address: 1601 NW Expressway, #1300
Oklahoma City, ok. 73118-1462
Co. Rep. Steve Raybourne




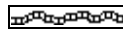
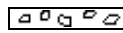
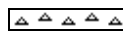
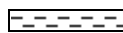



Scale 1:240 (5"=100') Imperial
Measured Depth Log





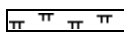

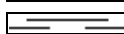
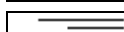
Well Name: FANSHER FARMS 1-6
Well Id:
Location: Sec 6 T23S, R32W, finney County, Kansas
License Number: 15-055-22542-00-00
Spud Date: SEPT. 21, 2021
Surface Coordinates: 335' FNL & 335' FEL
Region: UNNAMED
Drilling Completed: OCT. 1, 2021

Bottom Hole
Coordinates:
Ground Elevation (ft): 2858' K.B. Elevation (ft): 2870'
Logged Interval (ft): 3700' To: 5110' Total Depth (ft): 5110'
Formation: Lansing, Marmaton, Miss.
Type of Drilling Fluid: Natural Chemical







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

ROCK TYPES

 Anhy
 Bent
 Brec
 Cht
 Clyst
 Coal
 Congl
 Dol

 Gyp
 Igne
 Lmst
 Meta
 Mrlst
 Salt
 Shale
 Shcol

 Shgy
 Sltst
 Ss
 Till
 Carb sh
 Dol
 Dtd
 Gry sh

 Sandylms
 Shale
 Sltstn
 Shlyslts
 Sitysh
 Lms

GEOLOGIST

Name: Edwin H, Grieves/ Tim Hedrick
Company: Grieves & Co.
Address: PO Box 3125
Edmond, Okla 73083-3125
405-926-8027

DAILY DRILLING REPORTS

1. 1952' @ 7AM 9-23-2021
2. 3015' @ 7AM 9-24-2021
3. 3700' @ 7AM 9-25-2021
4. 4287' @ 7AM 9-26-2021
5. 4581' @ 7AM 9-27-2021
6. 4615' @ 7AM 9-28-2021
7. 4724' @ 7AM 9-29-2021
8. 4780' @ 7AM 9-30-2021
9. 5110' @ 7AM 10-01-2021

DST's Report #1

PAWNEE STRADDLE TEST 4601' -
TEST INTERVAL 4476' - 4492' 30 60 60 120
IO - V/WEAK SRFC BLOW DIED IN 30 SEC
FO - V/WEAK SRFC BLOW DIED IN 90 SEC
REC.- 20' MUD / 0% GAS/ 5% OIL/ 99% MUD
IHP- 2212 , IFP - 23-25#. IN 30 MIN ISIP- 754# IN 60 MIN
FFP- 26 -28# IN 60 MIN, FSIP- 793# IN 120 MIN
FHP -2209# MAX TEMP 116 DEG.

DST's Report #2

MORROW SDST 4674' -4707' 30 60 60 120
IO - V/ SLI SRFC BLOW 10 MIN IN, 3/4" IN 27 MIN, .9" -30 MIN
FO- 5 " BUILT TO 8" DECREASED TO 3 1/4"
RECOV. 550' TOTAL , 360' GIP, 190' SLGC-OIL, 19%GAS, 48% OIL. 33%MUD
IHP 2287# , IFP -12-56# IN 30 MIN, ISIP - 1186#IN 60 MIN,
FFP 53-85# IN 60 MIN, FSIP - 1195# IN 120 MIN, FHP 2280#

DST Report #3

ST. LOUIS - 4760' -4780' 30 60 60 120
IO - V/ WEAK SRFC BLOW FOR 30 MIN.
FO- START @ 1" BLT TO 2" DIED TO WK SRFC BLOW
RECOV. 120' TF, 60' GOCM- 17% GAS, 23%OIL,65%MUD
60' GMOC- 15%GAS, 53%OIL, 32% MUD
TOOL SAMPLE -3% GAS, 56%OIL, 41%MUD
IH- 2278#, IFP- 12-37#, ISIP- 587#, FFP- 44-66#, FSIP-707#, FHP 2276#

FORMATION TOPS

SAMPLE TOPS		E-LOG TOPS
BASE HEEBNER	3847' -977'	3852' -982'
TORONTO	3856' -986'	3862' - 992'
LANSING	3939' -1069'	3947' -1077'
KANSAS CITY	4234' -1364'	4234' -1364'
BASE KC	4363' -1493'	4366' -1496'
MARMATON	4391' -1521'	4396' -1526'
PAWNEE	4481' -1611'	4479' -1609'
FT.SCOTT	4497' -1627'	4496' -1626'
CHEROKEE	4513' -1648'	4516' -1646'
MORROW	4677' -1807'	4674' -1804'
ST. LOUIS	4722' -1852'	4720' -1850'
ST. LOUIS POR	4766' -1896'	4768' -1898'
R.T.D.	5110'	5112'

DAILY MUD REPORTS

DATE	9-23	9-24	9-25	9-26	9-27	9-28	9-29	9-30
TIME	7AM	730A	930A	1PM	11A	1030A	8AM	9AM
MW	8.4	8.4	9.1	9.1	9.0	8.7	9.0	9.0
VIS	26	45	40	50	54	76	58	85
PV	2	14	14	16	17	17	25	30
YP	1	9	8	12	12	12	20	30
G/S	5/3	37/23	36/22	44/28	46/29	80/50	70/45	90/60
WL	100	10	10	8	8	8.4	7.4	7.0
CAKE	2/32	1/32	1/32	1/32	1/32	2/32	2/32	2/32
CHL	1K	3K	2K	2K	3.5K	11K	5K	4K
HRD	80	80	80	80	80	100	240	120
LCM	0	2	5	6	6	6	6	4
PH	8.0	10.	10.5	10.5	10.5	10.5	10.5	10.5

BIT/ DEV./ CFS POINTS

- 8 5/8" CASING SET TO 1814'
 7 7/8" BIT #1. PDC 1814-3600' PL 516/
 2. 3600-4780' JC ROCK BIT HAS27Y (NEW)
 3. 4780-RTD JC ROCK BIT HAS37GY(NEW)
- | DEV SRVY | CFS POINTS |
|--------------------|------------|
| 1. 826' -3/4 DEG | 1. 4455' |
| 2. 1828' 1 DEG | 2. 4601' |
| 3. 2456' 1 1/4 DEG | 3. 4707' |
| 4. 2958' 3/4 DEG | 4. 4780' |
| 5. 3600' 1 DEG. | 5. 5110' |
| 6. 4118' 1 1/4 DEG | |
| 7. 4601' 1 3/4 DEG | |
| 8. 5110' | |

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlit
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sity

FOSSIL

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

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

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

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

Angular

OIL SHOWS

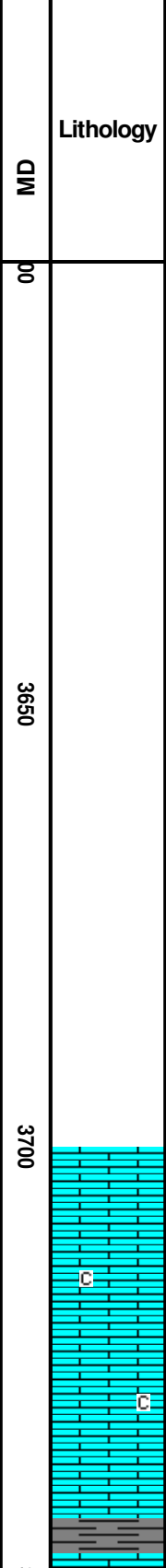
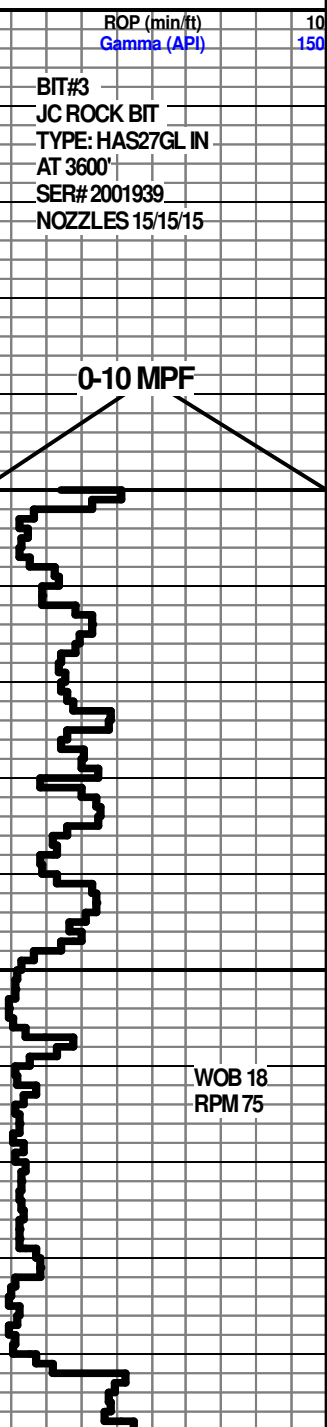
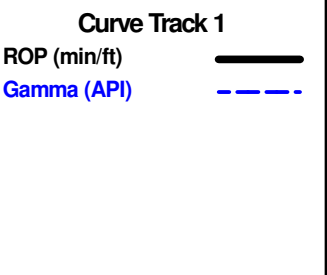
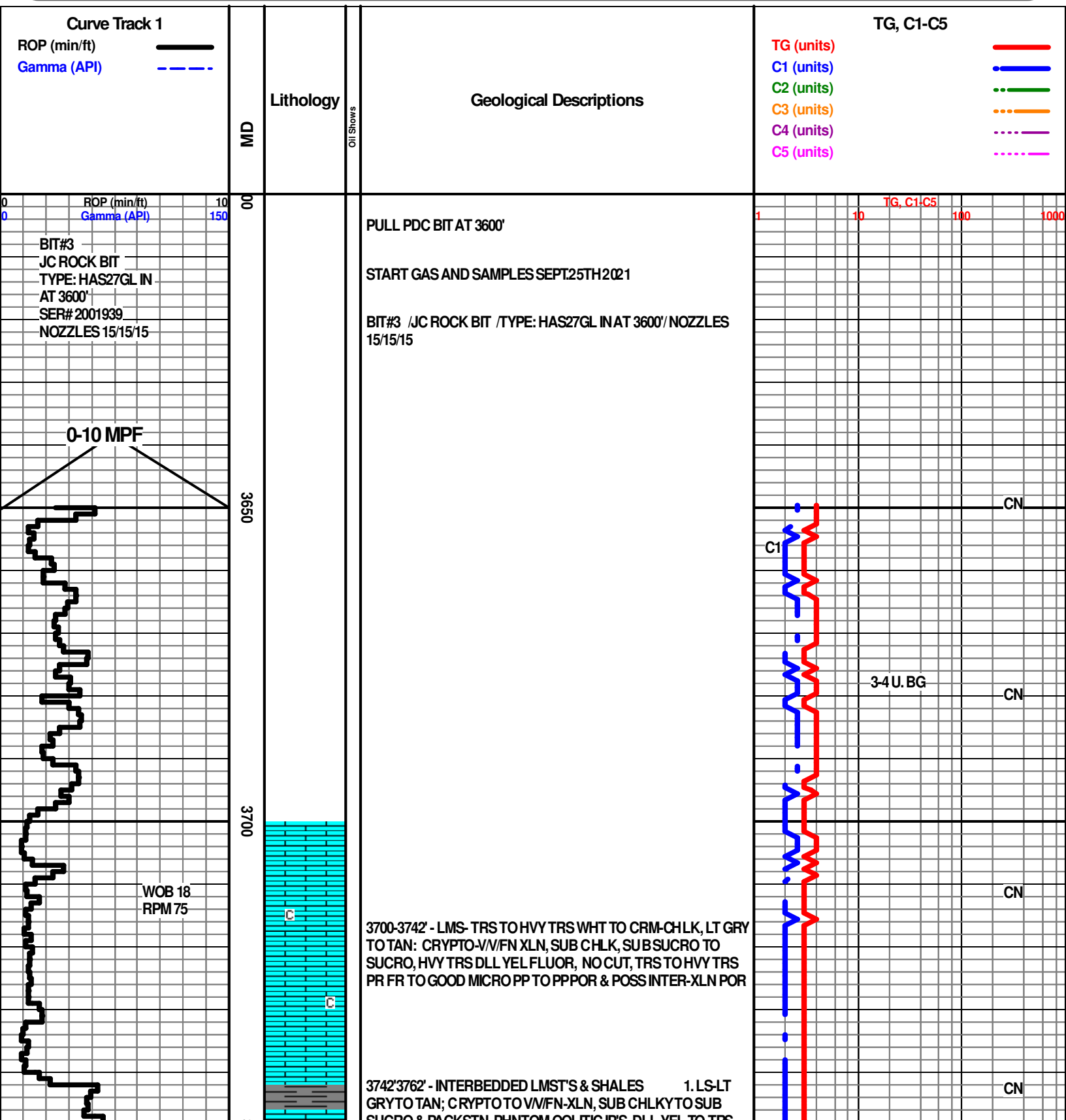
- Even
- Spotted
- Ques
- Dead
- Gas show

INTERVALS

- Core
- Dst
- Dst

EVENTS

- Rft
- Sidewall



Geological Descriptions

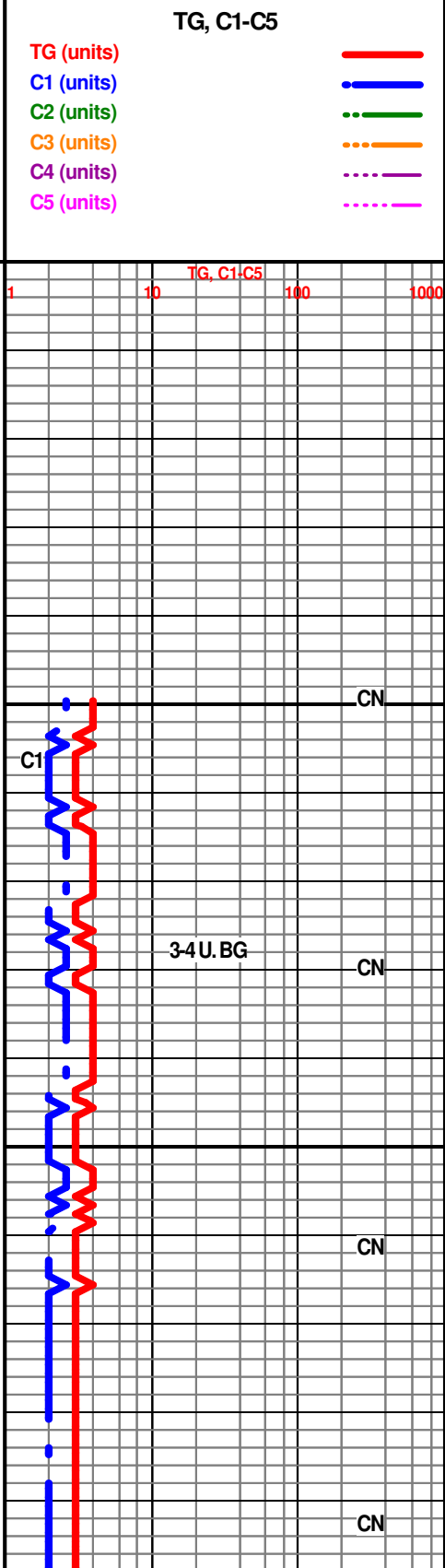
PULL PDC BIT AT 3600'

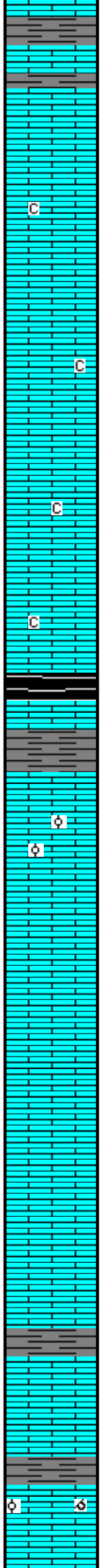
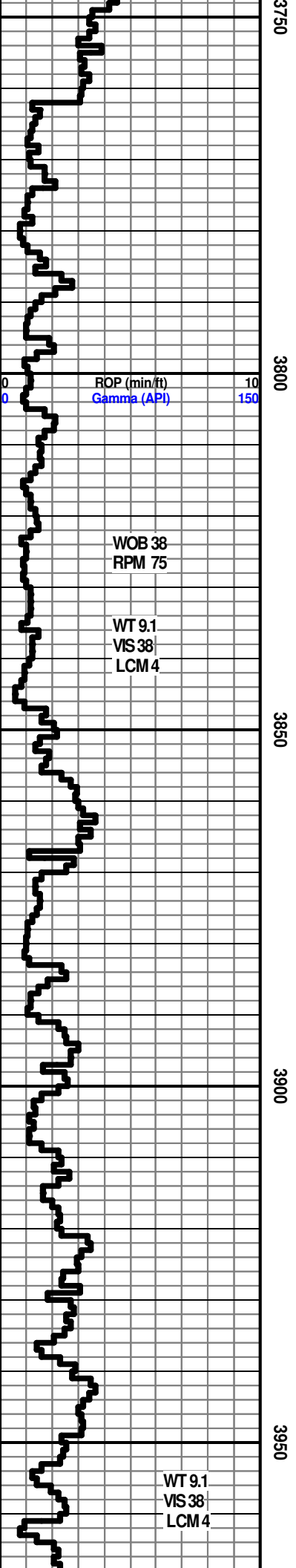
START GAS AND SAMPLES SEPT.25TH2021

BIT#3 /JC ROCK BIT /TYPE: HAS27GL IN AT 3600'/NOZZLES 15/15/15

3700-3742' - LMS- TRS TO HVY TRS WHT TO CRM-CHLK, LT GRY TO TAN; CRYPTO-V/FN XLN, SUB CHLK, SUBSUCRO TO SUCRO, HVY TRS DLL YEL FLUOR, NO CUT, TRS TO HVY TRS PR FR TO GOOD MICRO PP TO PPPOR & POSS INTER-XLN POR

3742'3762' - INTERBEDDED LMST'S & SHALES 1. LS-LT GRY TO TAN; CRYPTO TO VM/FN-XLN, SUB CHLKY TO SUB SUCRO & BACKSTN. PHANTOM COL. TIC'S DLL YEL TO TRS





SUCRO & PACKSTN, PHNTM OOLITIC IPS, DLL YEL TO TRS YEL FLUOR, NO CUT, SCATTERED TRS PR MICRO PP POR

2. LMS- LT TO MED GRY, TANISH IP, SLI TO VERY SHLY, TRS V/ DLL YEL FLUOR, NO CUT, NO VIS POR

3. SHALES- MED TO V/DK GRY, CALC IP'S TO V/ DRK GRY TO BLACK

3762'- 3841' LS- HVY TRS TO ABDNT, WHT TO CRM CHLK & GRISH TAN TO TAN : CRYPTO TO V/FN-XLN, PHANTM OOLITES IP, TRS SUB CHLK TO SUB SUCRO TO SUCRO & PACKSTN, DLL YEL FLUOR IP, NO CUT, HVY TRS TO ABDT PR FR TO GD MICRO PP TO PP & PROB INTER-XLN POR W/ PROB THIN SCATTERED SHALES MED TO DK GRY- CALC IP

HEEBNER 3847' - 977'

3841' - 3847' SHALE- V/DRK GRY TO BLACK CARB LOOKING

3847' - 3851' LMST- GRISH TAN TO TAN : CRYPTO-XLN, TRS SUB CHLKY TO PCKSTN, DLL YEL TO YEL FLUOR, NO CUT, NO VIS POR

3851' - 3856' SH- LT GRY TO LT GREEN, SILTY IP'S

TORONTO 3856' - 986'

3856' - 3870' LMS- LT GRY TOTAN, TRS SUB CHLKY, SUB SUCRO TO SUCRO & HVY TRS PACKSTN, OOLITIC, DLL YEL TO YEL FLO, NO CUT, ABDT PR TO FR MICRO PP POR & POSS INTER-XLN POT

3870-3883' LMS- HVY TRS TO ABDT WHT TO CRM CHLK & LT TAN TO TAN, CRYPTO TO V/V/FN-XLN, SUB CHLKY, SUB SUCRO TO SUCRO TO TRS PACKSTN, PHANTM OOLITIC, DLL LT YEL FLUOR, ABDT PR FR TO TRS GOOD & TRS EXCEL MICRO PP POR & PROB INTER-XLN POR

3883' 3886' LS- SIMILAR TO 3856'-3870'

3886' 3891' LS-SIMILAR TO 3870' 3883'

3891'- 3901' SIMILAR TO 3856'-3870'

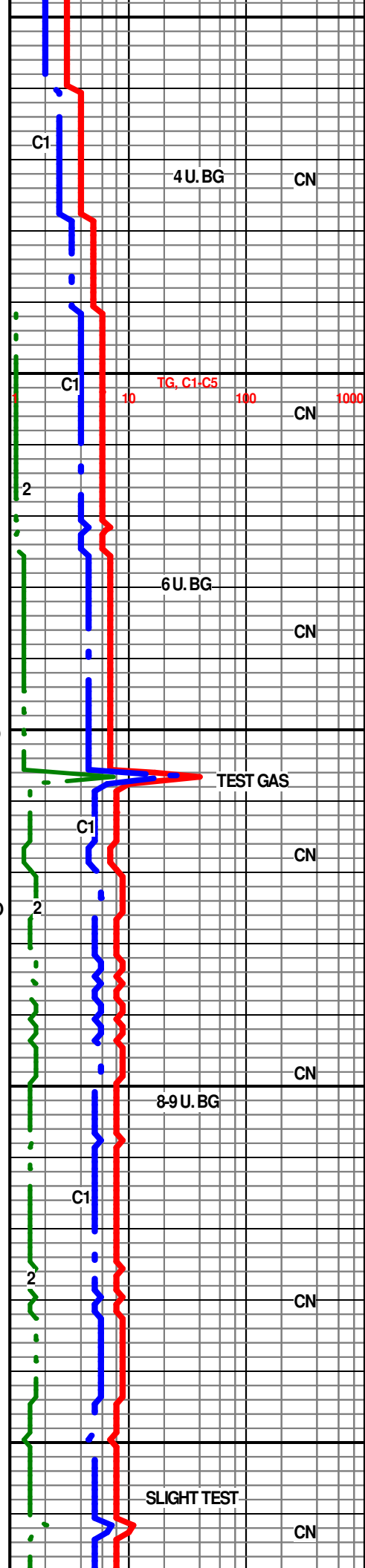
3901-3909' LS-SIMILAR TO 3870-3883'

3909'- 3935' LS-SIMILAR TO 3856'-3870'

LANSING 3939' -1069'

3939'-3953' LMS- LT GRY, CRM TO LT TAN; CRYPTO TO V/V/FN-XLN, TRS SUB CHLK, TRS SUB SUCRO & PCKSTN, DLL YEL TO YEL FLOR, NO CUT, NO VIS POR

3953'- 3958' LMS- CRM TO TAN, V/V/FN-XLN, SUB SUCRO TO SUCRO, DLL LT TO LT YEL FLUOR, NO CUT, PHNTM OOLITIC IP, TO PHNTM OOLICASTIC IP, ABDT PR FR GD TO TRS EXCEL MICRO PP TO PP POR & POSS INTER-XLN POR IP'S

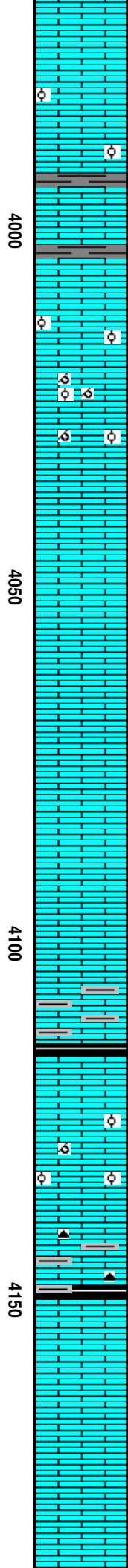
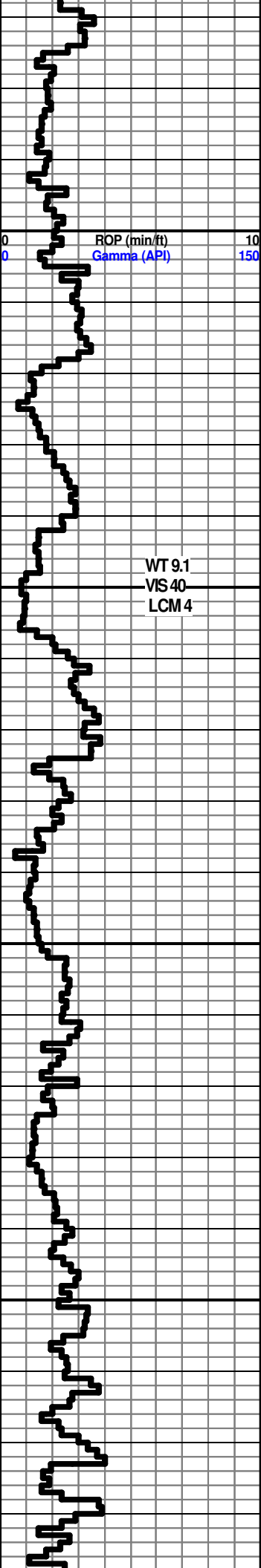


4 U. BG CN

6 U. BG CN

8-9 U. BG CN

SLIGHT TEST CN



3958' -3961' LMS SIMILAR TO 3939' -3953'

3961'-3964' SH- MED TO DK GY, GRY & BLACK

3964'-3975' LMS SIMILAR TO 3939' -3953'

3975- 3992' LMS- TRS WHT TO CRM CHLK, LT GRY TO CRM & TAN, CRYPTO-V/F-XLN , SUB CHLK, SUB SUCRO & PACKSTN, TRS PHNTM OOLITIC, TRS FOSS, DLL YEL TO DLL LT YEL IP'S, NO CUT,ABDT PR TO TRS FR MICRO PP POR IP'S

3992'-3994' SH- MED TO V/ DK GRY TO BLACK

3994' - 4003' LMS SIMILAR TO 3975' -3992'

4003'- 4005' SH MED TO V/DK GRY

4005' 4019' LS- LT GRY , CRM TO LT TAN, CRYPTO-TO TRS VV/FN-XLN, TRS SUB SUCRO & PACKSTONE, PHANTOM OOLITIC TO OOLITIC IP'S, DLL LT YEL FLUOR IP, NO CUT, NO VIS POR

4019'- 4033' LMS- EXTRMLY CHLKY-WHT TO CRM & CRM TO TAN, SLI TO EXTRMLY OOLITIC I & OR SLI TO EXTRMLY OOLICASTIC IP, TRS FOSS, SUB SUCRO TO SUCRO AND PACKSTONE, , DLL YEL FLUOR IP'S, NO CUT, HVY TRS ABDT PP, MICRO PP & INTER-XLN POR, TRS CHERT LT GRY TO OPQUE

4042-5059' LMS W/ CHERT SIMILAR TO 4019' -4033'

4059' - 4074' LMS SIMILAR TO 4005' -4019' W/ TRS FOSS & TRS CHERT WHT TO LT GRY OPQUE

4074'- 4102' LMS W/ CHERT SIMILAR TO 4019' TO 4033'

4102'- 4114' LMS SIMILAR TO 4005' TO 4019' W/ TRS LS MED GRY, SHLY, CRYPTO-XLN , PACKSTONE, NO FLUOR, NO CUT OR VIS POR, GRDNG TO MED TO DK GRY SH , SLI TO EXTRMLY CALC

4114' - 4115' SH- BLK CARB

4115' - 4124' LMS SIMILAR 4102- 4114'

4124' - 4139' LMS- TRS WHT TO CRM CHLK & LT TAN CRYPTO TO VV/FN-XLN, SUB SUCRO TO TRS SUCRO & PCKSTN, TRS PHANTOM OOLITIC TO OOLITIC, DLL LT YEL FLUOR, NO CUT, ABDT PR MICRO PP POT & POSS INTER-XLN POR IP'S, W/ TRS CHERT, LT GRY OPQUE

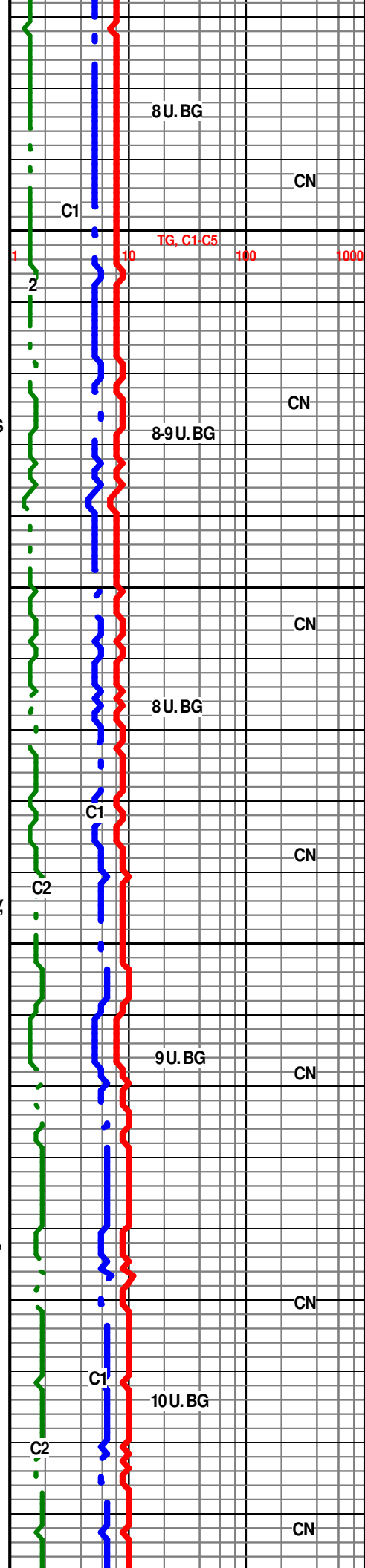
4139' -4148' INTERBEDDED LMS & SHLS, LT GRY TO TAN, CRYPTO-VV/FN-XLN, SUB SUCRO & PCKSTN, DLL YEL FLUOR, IP, NO CUT, ABDT PR MICRO PP POR & POSS INTER-XLN IP, W/ TRS CHERT LT GRY OPQUE

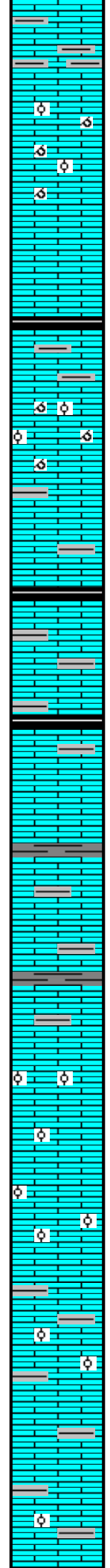
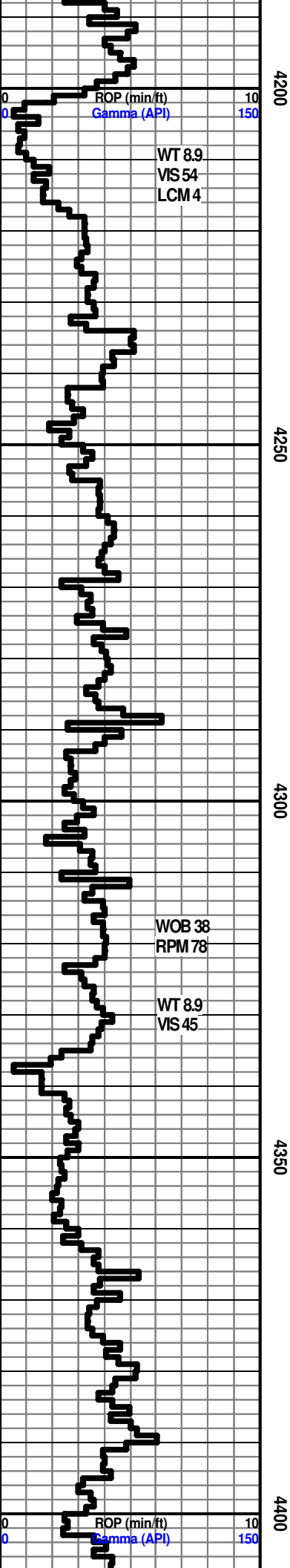
4148' - 4151' SH- V/DRK GRY TO BLK CARB

4151' - 4155' LMS & SH SIMILAR TO 4139 - 4148'

4161' - 4202' INTERBEDDED LMS & SCATTERED SHALES

1. FASTER DRLLG- LMS ABDT WHT TO CRM CHLK, CRM TO TAN, CRYPTO TO VV/FN-XLN, SUB SUCRO TO SUCRO, PHNTM OOLITIC IP'S, TRS DLL YEL FLUOR, NO CUT, TRS HVY TRS PR FR MICRO PP POR & POSS INTER-XLN POR IP





2. SLOWER DRILG- LMS- LR GRY TO TAN , CRYPTO TO VV/FN-XLN TRS SUB SUCRO , PCKSTN & TRS SUB LITHO, TRS , TRS DLL YEL F LUOR, NO CUT, NO VIS POR

3. SCATTERED THIN SHALES, MED TO DRK GRY, CALC TO V/DRK GRY TO BLK CARB

4201'- 4218' LMS HVY TRS WHT TO CRM CHLK & TAN V/ TO EXTRMLY OOLICATSIC & OR V/ OOLITIC, MATRIX, SUB SUCRO & PCKSTN, DLL YEL FLUOR IP, NO CUT, ABDT PR FR GD TO EXCEL OOLICASTIC POR, QUEST PERM

4218'- 4232 LMS- LT GRY TO TAN CRYPTO TO VV/FNXLN SUB SUCRO & PCKSTN, DLL YEL FLUOR IP, NO CUT, NO VIS POR

KC "A" 4234' -1364'

3232' -4234' SH- V/ DK GRY TO BLK CARB

4234' -4242 LMS- LT TO MED GRY- V TO EXTRMLY SHLY, GRDNG TO CALC SHLS, CRYPTO-XLNPCKSTN, NO FLUOR, NO VIS POR

4242' -4255' LMS TAN, VV/FN-XLN SUB SUCRO TO SUCRO, PHANTOM OOLITIC IP, TRS OOLITIC, TRS MICRO OOLICASTIC, DLL YEL TO YEL FLUOR, NO CUT, TRS TO HVY TRS PR TO FR MICRO OOLICASTIC POR. PP AND MICRO PP POR

4255' - 4269' LMS - LT TO MED GRY, SHLY TO TAN, CRYPTO-TO VV/FN-XLN, SUB SUCRO & PCKSTN, V/DLL YEL FLUORIP, NO CUT OR VIS POR

KC "B" 4271' -1401'

4269' -4271' SH -V/DK GRY TO BLK CARB

4271' - 4289' LMS SIMILAR TO 4255' - 4269' W/ SCATTERED THIN SHLS MED TO V/ DK GRY- CALC TO V/ DK GRY TO BLK CARB

4289' -4290' SH- MED TO V/DK GRY- CALC TO BLK

4290-4293' LMS-SIMILAR TO 4255-4269

4293'- 4307' LMS-TAN GRYISH TAN IP, CRYPTO-VV/FN-XLN, SUB SUCRO PCKSTN, ABDT PHNTOM OOLITIC TO ABDT OOLITIC, DLL LT YEL FLUOR IP, NO CUT, TRS CHERT LT GRY OPQUE

4307' - 4335' INTERBEDDED LS & SHLS

1. LMS SIMILAR 4293-4307'

2. LMS-LT TO MED GRY SLI TO V/ SHLY, GRDNG TO CALC SHL, CRYPTO-XLN SUB CHLKY & OR SHLY & PCKSTN, NO FLUOR, NO CUT OR VIS POR

3. SHLS- MED TO V/DK GRY , SLI TO V/ CALC IP, SLI TRS CHERT, DRK GRY OPQUE

4335'-4342' LMS HVY TRS CRM TO WHT CHLK & TAN, GRYISH IP, VV/FN-XLN SLI TO FRLY OOLITIC TO PHNTM OOLITIC IP, SUB SUCRO TO SUCRO , TRS DLL YEL FLUOR, NO CUT, PR MICRO PP POR & POSS INTER-XLN POR

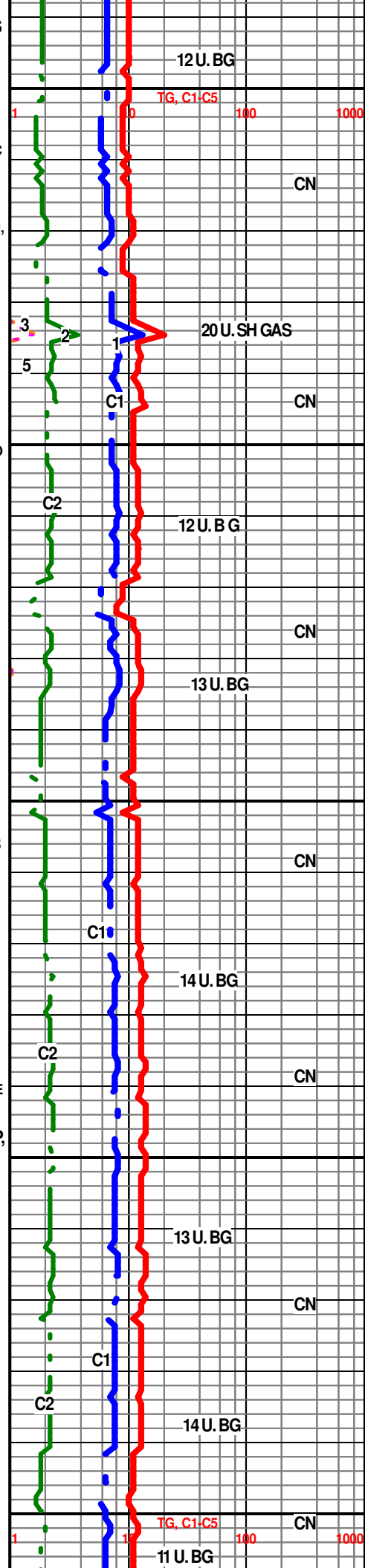
4342'-4350- LMS LT TO MED GRY W/ TRS TAN CRYPTO TO VV/FNXLN SUB SUCRO & PCKSTN, TRS ABDT PHNTM OOLITIC & OR TRS TO ABDT OOLITIC, TRS DLL YEL FLUOR, NO CUT, NO VISPOR

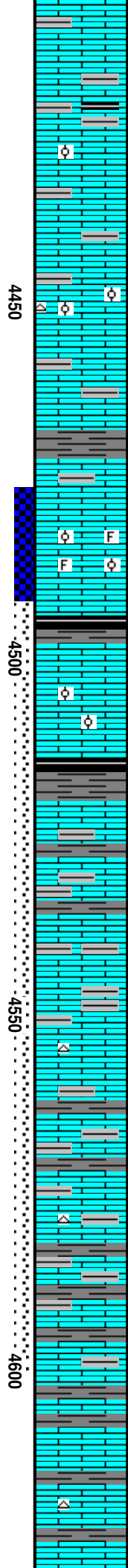
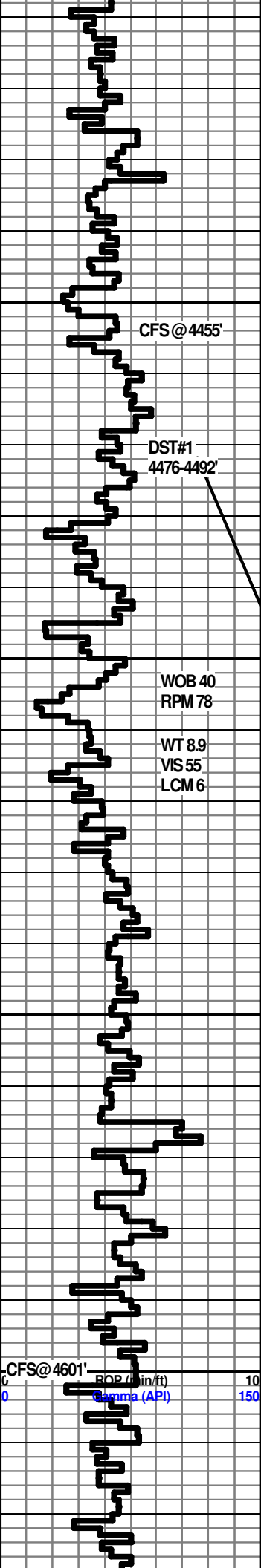
4350-4363' LT GRY TO HVY TRS TAN, CRYPTO-VV/FNXLN, FRLY TO EXTRMY OOLITIC TO PHNTM OOLITIC & OR SLI TRS OOLICASTIC, MTRX SUB SUCRO & PCKSTN, TRS V/DLL YEL TO DLL YEL FLUOR, NO CUT, SLI TRS TO TRS PR PP MICRO PP TO OOLICASTIC POR

MARMATON 4391' - 1521'

4363-4391' LMS-MED TO DRK GRY-SLI TO V/ SHLY IP W/ TRS GRDNG TO CALC SHLS CRYPTO-XLN, PCKSTN, TRS DLL LT YEL TO DLL YEL FLUOR, NO CUT, NO VIS POR

4391- 4448' INTERBEDDED LMS & SHLS





1. LMS-LT GRY TO TAN CRYPTO TO TRS V/V/FN+XLN ABDT PHNTM OOLITIC TO OOLITIC W/ SLI TRS V/ SLI OOLICASTIC, PCKSTN, TRS SUB SUCRO, DLL YEL FLUOR, NO CUT W/ TRS P RMICRO PP & OOLICASTIC POR IP

2. LMS- MED TO TRS DRK GRY, V/ TO EXTRMLY SHLY GRDNG TO CALC SHLS IP, CRYPTO-XLN, S UB CHLK & OR SHLY & PCKSTN, NO FLUOR CUT OR VIS SHOW

3. SCATTERED THIN INTERBEDS SHMED TO TRS DK GRY CALC IP

4448'-4452' LS SIMILAR TO #1 DESCRIPTION 4391-4448 W/ SLI TRS CHERT CRM TO TAN OPQUE

4452'-4468' INTERBEDDED LS & SH SIMILAR TO 4391'- 4448

4468'-4472' SH MED TO V/DK GRY

PAWNEE 4472'- 1602'

4472'-4481' LS-TAN GRVISH IP ,CRYPTO-TO V/V/FN+XLN, SUB SUCRO & PCKSTN,PHNTM OOLIC IP, DLL YEL FLUOR, NO CUT, NO VIS POR

4481'-4490' LMS- CRM W/SPOTTED TO EVEN LT BRN OIL STN, V/FN TO FN+XLN, SUB SUCRO TO V/ SUCRO, PHNTM OOLITIC IP,TRS RE-XLD FOSS FRGS, GLDN YEL FLUOR, FLUSH GD STREAMING CUTS, PR FR GD TO EXCEL P MICRO PP & INTER-XLN POR

4490-4495' LS SIMILAR 4472-4481'

FT.SCOTT 4497' - 1627'

4495-4500' SH- V/DK GRY TO BLK CARB TO MED V/DK GRY

4504-4509' LS- HVY TRS CRM TO WHT CHLK, GRVISH TN TO TAN, CRYPTO-V/V/FN+XLN,PHNTM OOL TO OOL, SUB SUCRO PCKSTN, DLL YEL FLUOR, NO CUT , NO SHOW

4509-4515' LS-SIMILAR 4472'-4481'

CHEROKEE 4518' - 1648'

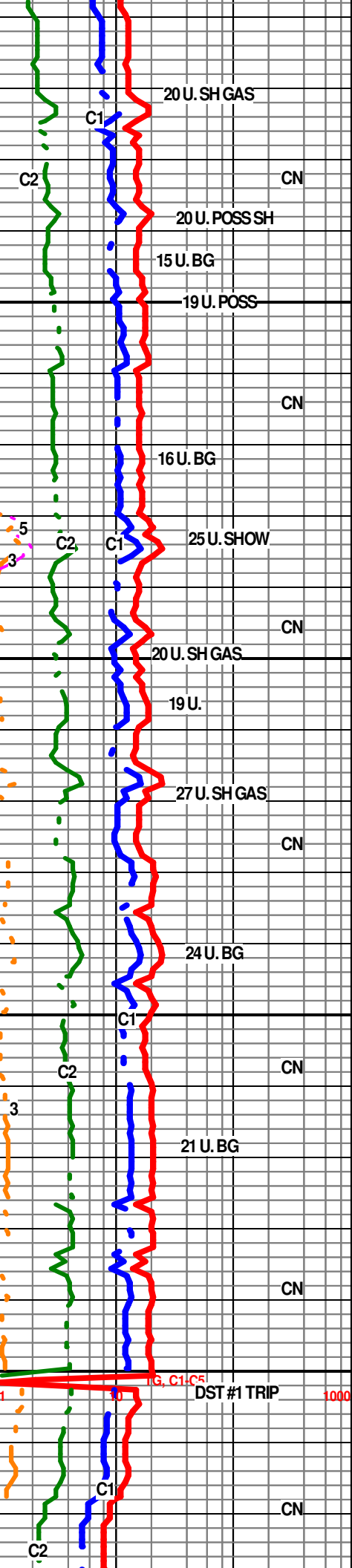
4515'-4520'SH- -V/DK GRY TO BLK CARB TO MED TO DRK GRY

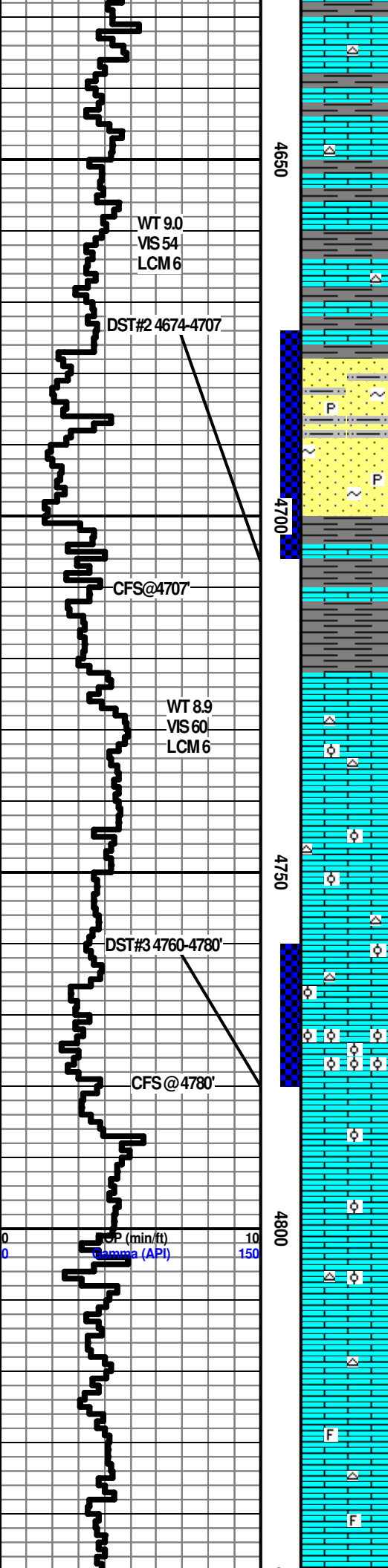
4520' -4677" INTERBEDDED LS & SHLS

1. LMS- LT GRY TO TAN CRYPTO TO V/V/FN -XLN TRS SUB CHLK SUB SUCRO PCKSTN, TRS SUB LITHO, DLL YEL TO YEL FLUOR IP, NO CUT, NO VIS POR

2. LMS- LT MED TO DK GRY -SLI TO EXTRMLY SHLY GRDNG TO CALC SHALES, CRYPTO-XLN, SUB CHLKY & OR SILTY, PCKSTN, NO FLUOR, NO VIS POR, NO VIS POR

3. THIN INTERBEDS SHLS- MED TO V/ DK GRY- CALC TO V/DK GRY TO BLK CARB





4. SCATTERED TRS CHERT TAN OPQUE

MORROW 4677' - 1807'

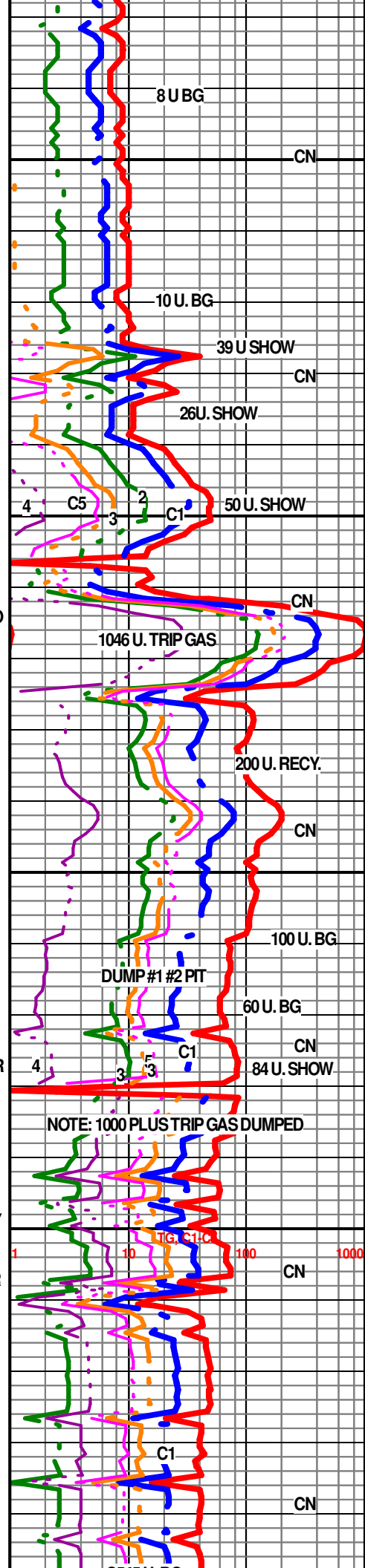
4677-4701' QUTZ SS, LT TAN, TAN TO BRN FROM OIL STN, V/V/FN TO V/FN, ABDT SLI TO V/ SILTY, V/ PR TO FAIR SORTING, ANG, & EXTRMLY ABDT V/FN TO FN GRN, LT TAN TO TAN, FR TO GD SORT, ANG, WIDELY SCATTERED TRS PYR & TRS GLAUC. GLDN TO GLDN YEL FLUOR, W FLUSH TO STREAMING CUTS, FR TO GD OIL ODOR, V/V/FN TO FN GRAIN, TRS TO HVY TRS PR TO FR MICRO PP & PROB INTER-GRN POR, TO V/FN TO FN GRN, HVY TRS TO V/ ABDT MICRO PP & INTER-GRN POR W/ POSS THIN INTERBEDS SH, SND IP, MED TO DK GRY

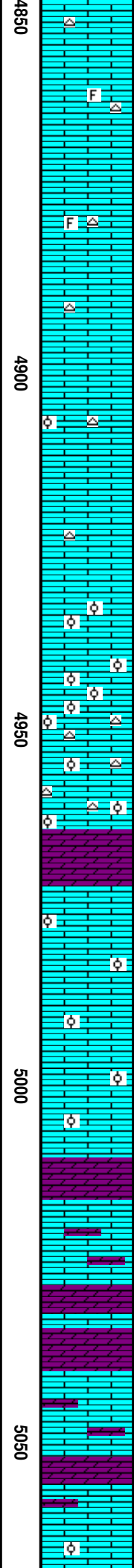
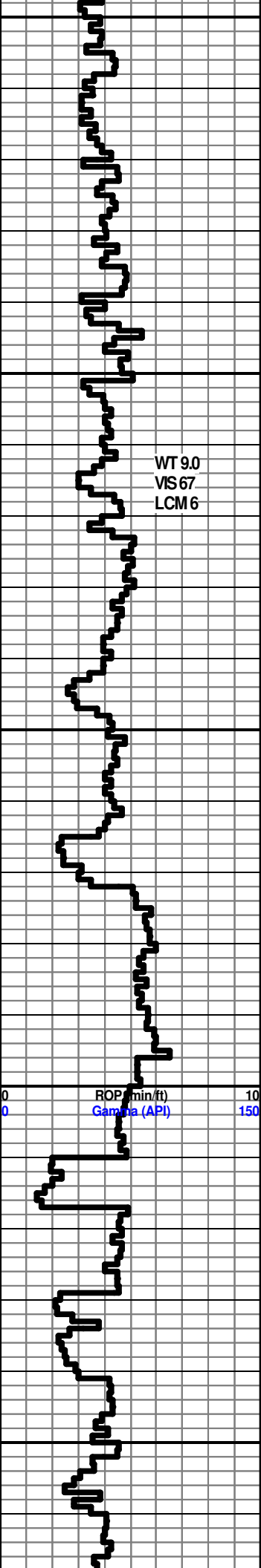
ST. LOUIS 4722' - 1852'

4722-4766' LMS- HVY TRS TO ABDT WHT TO CRM-CHLK W/ CHLKY OOLITES, LT TAN GRYSH IP, CRYPTO-V/FN-XLN V/ TO EXTRMLY OOL, (MED & LRG.) MTRX CHLKY, SUBCHLK SUB SUCRO PCKSTN, DLL YEL FLUOR, NO CUT, NO VIS POR

4666'-4779' LMS- ABDT WHT TO CRM CHLK W/ CHLKY OOLITES IP, BRN FROM OIL STN, FR TO GD ODOR, V/ TO EXTRMLY, OOLITIC (V/LRG TO LRG MED TO TRS SMLL), MTRX SUB SUCRO TO V/ SUCRO & TRS NO MTRX, DLL GLDN TO GLDN YEL FLUOR, FLUSH TO GD STRMING CUTS, ABDT PR FR TO GD TO EXCEL MICRO PP, INTER-XLN TO INTER-OOLITIC POR, HVY TRS LOOSE OOLITES

4779' - 4801' LMS- TRS TO ABDT WHT TO CRM CHLK W/ CHLKY OOLITES IP & LT GRYSH TO TAN, CRYPTO-V/V/FN-XLN, V/ TO EXTRMLY OOLITIC, MATRIX CHLK, SUB CHLK, SUB SUCRO & PCKSTN, AND TRS LTGRY TO TAN CRYPTO- TO SUB LITHO, TR DLL YEL FLUOR, NO CUT, NO VIS POR





4801' - 4901' - LMST SIMILAR 4779- 4801' W/ SCATTERED TRS FOSS FRGS AND TRS TO VERY HVY TRS CHERT, GRY CRM TO TAN OPQUE, LESS W/ OOLITES MORE PCKSTN TO SUB LITHO W/ DEPTH

4901'-4942' LMS- LT GGRY TO TAN, CRYPTO TO V/V/FN-XLN TO V/SUB CHLK, TRS SUB SUCRO, PCKSTN & SUB LITHO, TRS TO HVY TRS PHANTOM OOLITES TO OOLITIC IP, DLL YEL TO YEL FLUOR IP, NO CUT NO VIS POR, TRS CHERT, LT GRY TO TAN & SLI TRS WHT, OPQUE, V/ SLI TR TRANSLCNT

4942' -4948' LMS- TRS CRM TO WHT CHLK & CHLKY OOLITES IP, & TAN CRYPTO-V/V/FN-XLN, V/TO EXTRMLY OOLITIC (SMLL MED TO LRG) MTRX CHLK, SUB CHLK,CUB SUCRO TO SUCRO, DLL YEL FLUOR, NOCUT, ABDT PR FR GD TO EXCEL INTER-OOL , PP ,MICRO PP & INTER-XLN POR, NO VIS SHOW

4948' - 4965 LMS W/CHERT SIMILAR TO 4901' 4942'

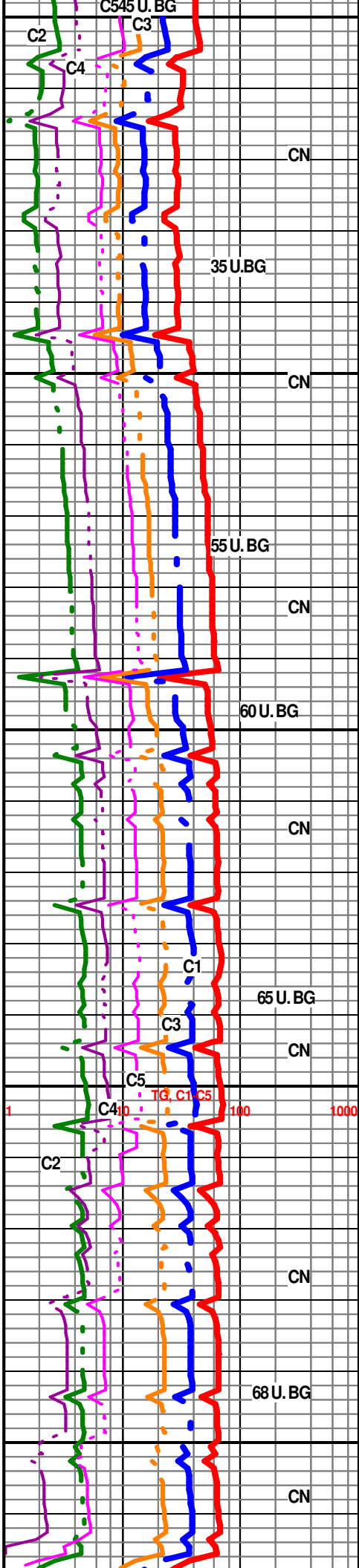
4965'-4972' DOLO-TAN V/V/FN-XLN ,V/DLL YEL FLUOR, NO CUT,TRS POOR MICRO PP POR & PROB INTER-XLN POR

4972' -5010 LMS SIMILAR 4901 - 4942 BECOMING MORE OOLITIC

5010' 5110' INTERBEDDED DOLOMITES GRADING TO LIMESTONES

1. FASTER DRLNG- DOLO - TAN V/V/FN-XLN, SUB SUCRO TO SUCRO, V/ DLL YEL FLUOR, NOCUT, TRS MICRO PP POR IP, & PROB INTER-XLN POR

2. SLOWER DRILNG- LMS SI TO V/ DOLO IP ABDT WHT TO



WT 9.0
VIS 65
LCM 6

5100

51

2.200-2.100 FT. ...
CRM CHLK, & TAN GRYSIH IP, CRYPTO-V/V/FN-XLN, MAJORITY
TO V/ EXTRMLY PHANTOM OOLITIC & OR OOLITIC, TRS SUB
CHLK, SUB SUCRO, PCKSTN & TRS SUB LITHO, V/DLL YEL
FLUOR IP, NO CUT, THE MORE DOLOMITE, HAS PR FR TO GD
TO EXCEL PP, MICRO PP TO INTER-XLN POR & INTER-OOLITIC
POROSITY, NO SHOW

R.T.D @ 7AM 10-01-2021

CFS 90 MIN

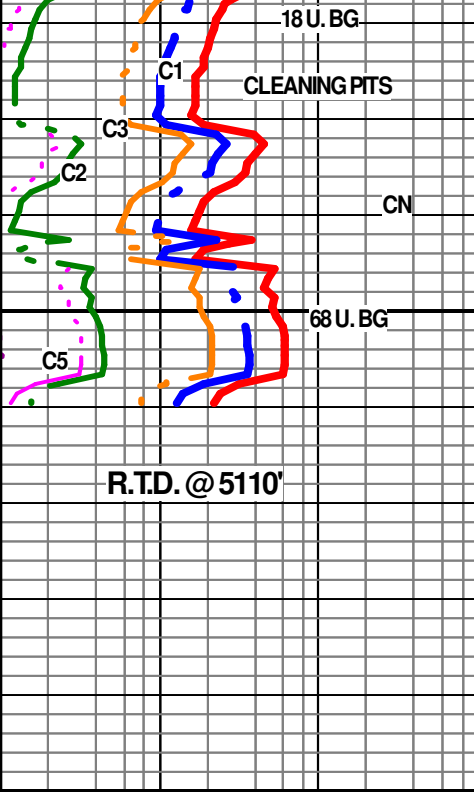
SHORT TRIP 10 STANDS

CTCH 2 HOURS/DROP SURVEY

TOFL

R.T.D. @ 5110'

L.T.D. @ 5112'



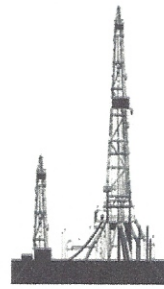
QUASAR ENERGY SERVICES, INC.

3288 FM 51

Gainesville, Texas 76240

Office: 940-612-3336

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



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FRACTURING | ACID | CEMENT

BID #: 4011		AFE#/PO#: 0	
TYPE / PURPOSE OF JOB Cement- Surface		SERVICE POINT Liberal, KS	
CUSTOMER RAYDON EXPLORATION, INC		WELL NAME FANSHER FARMS # 1-6	
ADDRESS 1601 NW EXPRESSWAY STE. 1300		LOCATION GARDEN CITY, KS	
CITY OKLAHOMA CITY	STATE OK	ZIP 73118-146	TYPE AND PURPOSE OF JOB Cement- Surface
DATE OF SALE 9/22/2021		COUNTY FINNEY	STATE KS

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
60	1000	L	Mile	Mileage - Pickup - Per Mile	\$3.31	\$ 198.60
180	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	\$6.30	\$ 1,134.00
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
1	6158	L	Box	Thread Lock	\$46.31	\$ 46.31
1	4780	L	Each	Guide Shoe 8 5/8"	\$515.97	\$ 515.97
1	4880	L	Each	Insert Float 8 5/8"	\$396.90	\$ 396.90
5	4920	L	Each	Centralizers 8 5/8"	\$92.61	\$ 463.05
1	4940	L	Each	Cement Basket 8 5/8"	\$476.28	\$ 476.28

Subtotal for Pumping & Equipment Charges **\$ 5,215.61**

QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
600	5630	L	Per Sack	Cement - Class A	\$16.54	\$ 9,924.00
1,150	5770	L	Per Lb.	Calcium Chloride	\$1.32	\$ 1,518.00
141	5800	L	Per Lb.	Cello Flakes-Poly Flake 1/8" cut	\$2.65	\$ 373.65
850	5850	L	Per Lb.	Gypsum	\$1.00	\$ 850.00
850	5900	L	Per Lb.	Sodium Metasilicate (SMS) C-45	\$2.32	\$ 1,972.00
85	5950	L	Per Lb.	C-51 FWCA	\$11.25	\$ 956.25

Subtotal for Material Charges **\$ 15,593.90**

WORKERS		TOTAL	\$ 20,809.51
KIRBY HARPER		DISCOUNT: 20%	\$ 4,161.90
ANGEL ECHEVARRIA		DISCOUNTED TOTAL	\$ 16,647.61
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

[Signature] 9/22/21

****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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Gainesville, Texas 76240
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Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2c

9/22/21

CEMENTING JOB LOG

CEMENTING JOB LOG

Company: RAYDON EXPLORATION, INC Well Name: FANSHER FARMS # 1-6

Type Job: Cement- Surface AFE #:

CASING DATA

Table with 4 columns: Size, Grade, Weight, TD (ft). Rows include Casing Depths, Drill Pipe, Tubing, Open Hole, and Perforations.

CEMENT DATA

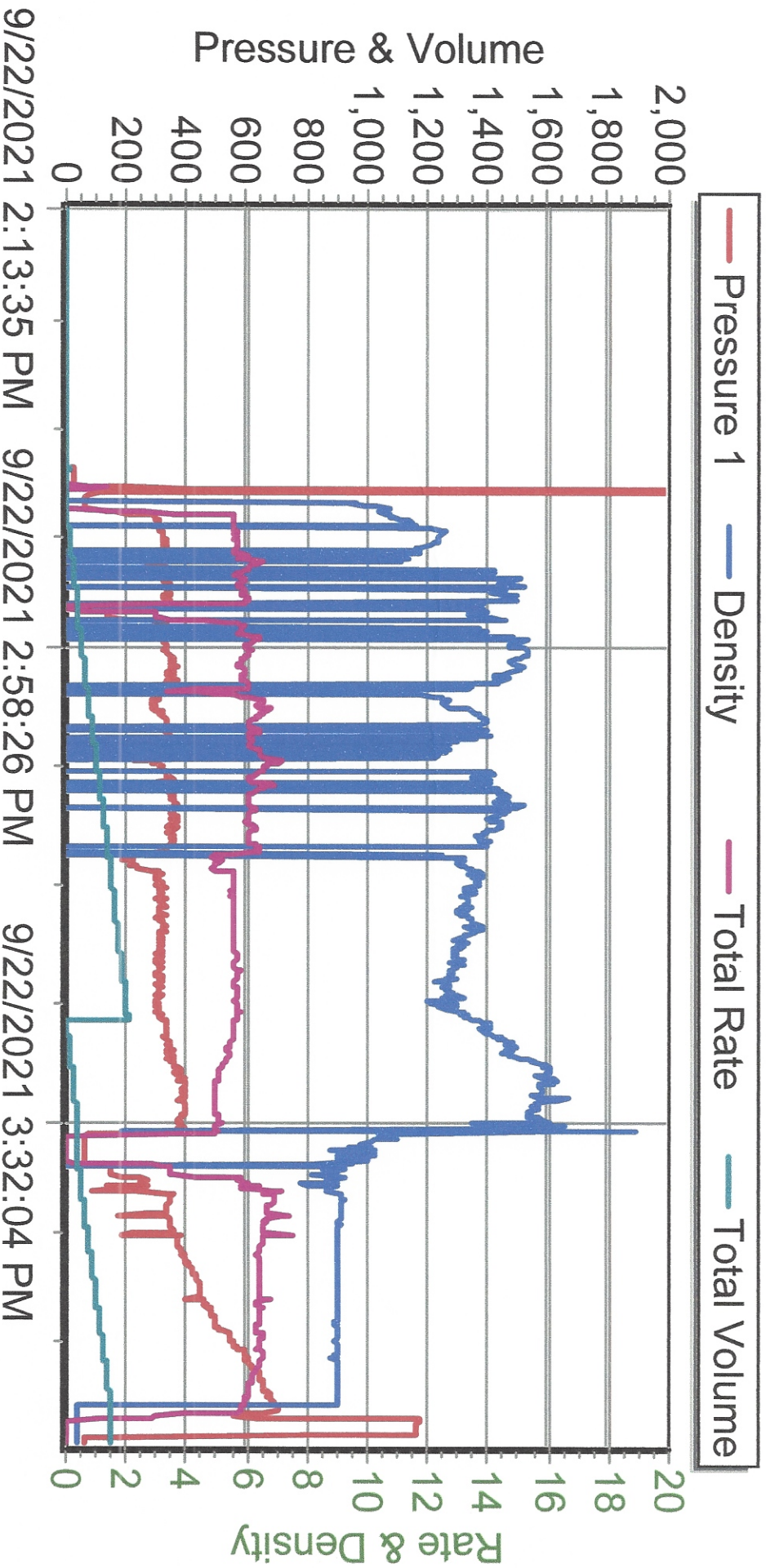
Table with 7 columns: Amt., Sks Yield, ft^3/sk, Density (PPG). Rows include LEAD (CLASS A -- 2% CC, 2% SMS, 2% GYP, 1/4# CELLFLAKE, .2% FWCA) and TAIL (CLASS A -- 2% CC, 1/4# CELLFLAKE, 2% GEL).

Table with 8 columns: Lead, gals/sk, Tail, gals/sk, Total (bbls). Includes Pump Trucks Used (110 -- DP7), Bulk Equipment (230 - 660-24 // 229 - 660-23), Disp. Fluid Type (FRESH WATER), and Mud Type.

COMPANY REPRESENTATIVE: CEMENTER: KIRBY HARPER

Main data table with 6 columns: TIME, PRESSURES PSI (Casing, Tubing, ANNULUS), FLUID PUMPED DATA (TOTAL, RATE), REMARKS. Includes rows for 0930, 1415, 1453, 1456, 1531, 1541, 1543, 1559, 1600.

RAYDON EXPLORATION, INC FANSHER FARMS # 1-6 8.625" SURFACE 09/22/2021





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FRACTURING / ACID / CEMENT

BID #: 4012		AFE#/PO#: 0	
TYPE / PURPOSE OF JOB Cement- Production		SERVICE POINT Liberal, KS	
CUSTOMER RAYDON EXPLORATION, INC.		WELL NAME FANSHER FARMS 1-6	
ADDRESS 1601 NW EXPRESSWAY STE 1300		LOCATION GARDEN CITY, KS	
CITY OKLAHOMA CITY	STATE OK	ZIP 73118-146	TYPE AND PURPOSE OF JOB Cement- Production
DATE OF SALE 10/2/2021		COUNTY FINNEY	STATE KS

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
60	1000	L	Mile	Mileage - Pickup - Per Mile	\$3.31	\$ 198.60
120	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	\$6.30	\$ 756.00
1	5470	L	Per Well	Pumping Charge 4501'-5000'	\$1,905.12	\$ 1,905.12

Subtotal for Pumping & Equipment Charges **\$ 2,859.72**

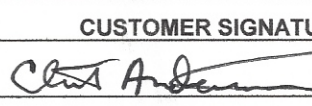
QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
130	5640	L	Per Sack	Cement - Class H	\$19.85	\$ 2,580.50
150	5670	L	Per Sack	Cement - Lite - C	\$19.85	\$ 2,977.50
1	4300	L	Each	Auto Fill Shoe (Blue) 5 1/2"	\$396.90	\$ 396.90
1	4370	L	Each	Latch Down Plug & Baffle 5 1/2"	\$859.95	\$ 859.95
10	4460	L	Each	Turbolizers 5 1/2"	\$86.00	\$ 860.00
1	4490	L	Each	Lock Ring (Limit Clamp) 5 1/2"	\$46.31	\$ 46.31
25	5694	L	Per Lb.	C-19 Light Weight Fluid Loss	\$11.40	\$ 285.00
74	5710	L	Per Lb.	C-15 Low Temp-Non Retarding Fluid Loss	\$11.25	\$ 832.50
3	5751	L	Per Gal.	C-41L Defoamer Liquid	\$46.31	\$ 138.93
125	5850	L	Per Lb.	Gypsum	\$1.00	\$ 125.00
660	5860	L	Per Lb.	Kol-Seal	\$0.82	\$ 541.20
420	5875	L	Per Gal.	SS -Flush	\$2.26	\$ 949.20
800	5890	L	Per Lb.	Salt	\$0.50	\$ 400.00

Subtotal for Material Charges **\$ 10,992.99**

WORKERS		TOTAL	\$ 13,852.71
CHAD HINZ		DISCOUNT: 25%	DISCOUNT \$ 3,463.18
MAX BALL			
OSCAR CHAVEZ		DISCOUNTED TOTAL	\$ 10,389.53

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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 Gainesville, Texas 76240
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Form 185-2c

10/2/21
 CEMENTING JOB LOG

CEMENTING JOB LOG

Company: RAYDON EXPLORATION, INC. **Well Name:** FANSHER FARMS 1-6

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

CASING DATA

Size:	5 1/2	Grade:	J-55	Weight:	15.5
Casing Depths	Top:	Bottom:	4947.11		
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):		

CEMENT DATA

Spacer Type:	SS FLUSH				
Amt.	420 GAL	Sks Yield		ft ³ /sk	Density (PPG)
LEAD:	CLASS C 50/50/8 .2%C-19				Excess
Amt.	150	Sks Yield	3.19	ft ³ /sk	Density (PPG) 10.78
TAIL:	CLASS H 50/50 10%GYP, 10%SALT, .6%C-15, 5#KOLSEAL				Excess
Amt.	130	Sks Yield	1.6	ft ³ /sk	Density (PPG) 14.8

WATER:

Lead:	20	gals/sk:	71.5	Tail:	7.15	gals/sk:	22	Total (bbls):	93.5
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Pump Trucks Used: 210 DP11

Bulk Equipment: 230 660-24

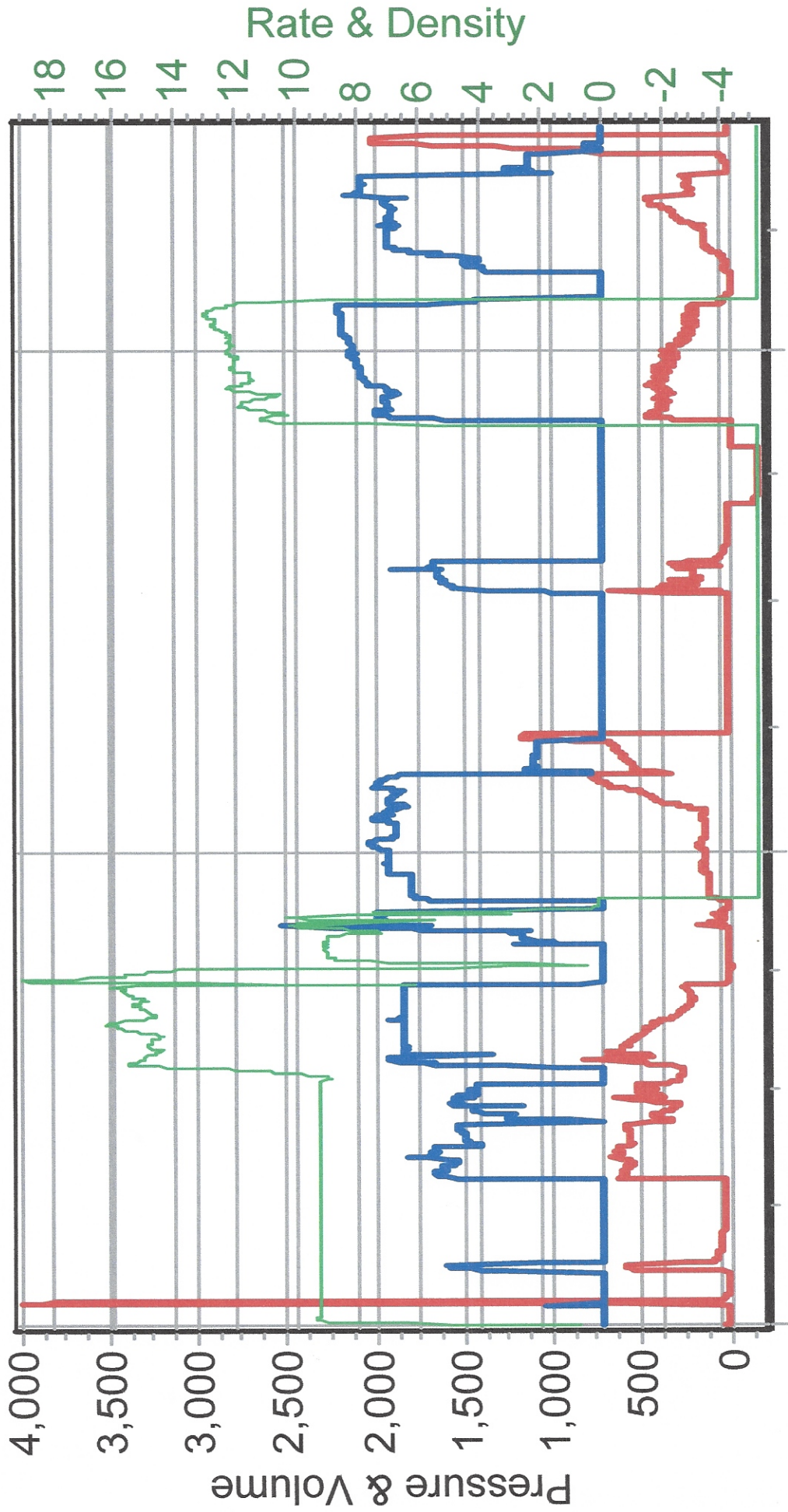
Disp. Fluid Type:	FRESH	Amt. (Bbls.)	116.7	Weight (PPG):	8.3
Mud Type:				Weight (PPG):	

COMPANY REPRESENTATIVE: CLINT **CEMENTER:** CHAD HINZ

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
	Casing	Tubing	ANNULUS	TOTAL	RATE	
1330						ON LOC, SAFTEY MTG, R.U.
2036	3200					TEST LINES
2038	210				5	PUMP SS FLUSH
2041	210			10	5	H2O SPACER
2044				5		PLUG RAT AND MOUSE
2056	330				6.5	START MIX SCAVENGER
2107	430			57	7	START TAIL
2114				37		SHUT DOWN, DROP PLUG, WASHUP
2121	150				7	START DISPLACEMENT
2137	580			106	2	SLOW RATE
2142	700-1500			106.7		PLUG DOWN
2145						RELEASE PSI, FLOAT HELD
						JOB COMPLETE
						THANK YOU FOR YOUR BUSINESS!!!

JW RESOURCES

CLEVY 1 5 1/2 DV. LS



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