

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 Recompletion Date _____ 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	BREYFOGLE 1-3
Doc ID	1772895

All Electric Logs Run

Quad Combo Log
Microlog
Sonic Log
Compensated Density Neutron PE Log
Dual Induction Log



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

Well Name: Raydon Explor.- Breyfogle # 1-3
Well Id:
Location: Sec 3 T21S, R31W, Finney County, Kansas
License Number: 15-055-22596
Spud Date: Dec. 8th, 2023
Surface Coordinates: 660' FNL & 2280' FWL
Region: Wildcat
Drilling Completed: Dec 21st, 2023

Bottom Hole
Coordinates:
Ground Elevation (ft): 2886' K.B. Elevation (ft): 2898'
Logged Interval (ft): 3500' To: 5000' Total Depth (ft): 5000'
Formation: Lansing, Marmaton, Miss.
Type of Drilling Fluid: Natural Chemical

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

OPERATOR

Company: RAYDON EXPLORATION
Address: 1601 NW Expressway, # 1300
Oklahoma City, Oklahoma 73118-1462
Steve Raybourn

GEOLOGIST

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

Daily Drilling Reports

Dec 12th start
Dec 13th @ 7AM 3500 at 8:15 AM
Dec 14th @ 7AM 3880'
Dec 15th @ 7AM 4230'
Dec 16th @ 7AM 4560 CFS
Dec 17th @ 7AM 4560 DST #1 4529'-4560' Ft. Scott
Dec 18th @ 7AM 4647 - Broke Down/ Dst #2 Atoka Lime
Dec 19th @ 7AM 4661' DRILLING
Dec 20th @ 7AM 4724' DRILLING
Dec.21st @ 7A. RTD AT 5000' AT 4:10 AM

DST's #1

FT.SCOTT 4529' - 4561' 30-60-30-120
IF- 1/4" BLOW DECR. TO SURFACE BLOW
IH-2190 / FH-2149'
IF- 21 TO 21 / FF- 22 TO 22
ISI- 28 / FSI- 31
RECOVERED 3' , MUD WITH OIL SPOTS

DST's #2

ATOKA LIME 4636'- 4647' 30-60-30-120
IF- 2" / FF- SURGE TO 4" BLT TO 6.5"
IH-2259 / FH-2228'
IF- 24 TO 29 / FF- 29 TO 72
ISI- 1102 / FSI- 1177
RECOVERED 60' MCO, 90%O., 10%M. / 120' GIP
GRAVITY 244/ BHT 122 DEG

DST #3

ST.LOUIS "A" 4660'-4670' 30-60-60-120
IF- 1 1/2 " / FF- 1/2" / ISI- NB / FSI-NB
IH-2258 / FH-2241'
IF- 25 TO 43 / FF- 46 TO 74
ISI- 822 / FSI- 557
RECOVERED 80' MCW W/ OIL SPOTS, 75%W., 25%M. / BHT 120 DEG

Formation Tops

	SAMPLE TOPS	E-LOG TOPS
B. HEEBER	3952' -1054'	3950'-1052'
TORONTO	3964' -1066'	3963'-1065'
LANSING	4052' -1154'	4052'-1154'
KC.'A"	4284' -1386'	4288'-1390'
KC "B"	4326' -1428'	4330'-1432'
MARM.	4418' -1520'	4426'-1528'
PAWNEE	4507' -1609'	4510'-1612'
FT.SCOTT	4532' -1634'	4536'-1638'
CHEROKEE	4553' -1655'	4556'-1658'
ST.LOUIS	4660' - 1762'	4660'-1762'
SPERGEN	4917' -2023	4920'-2022'

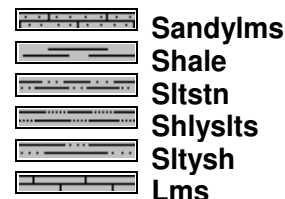
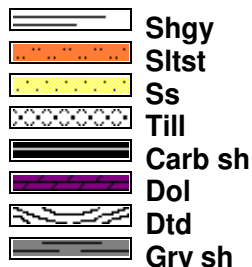
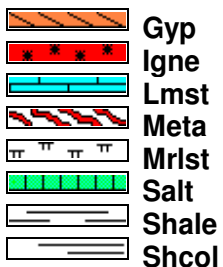
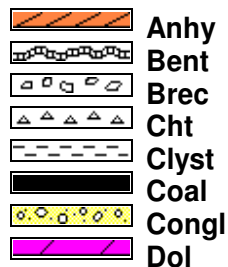
Daily Mud Reports

DATE	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20
WT	9.2	9.2	9.0	9.0	8.9	8.9	8.9	8.9
VIS	45	48	50	48	78	59	50	47
PV	19	20	25	24	35	27	25	23
YP	12	15	15	12	15	16	15	14
G/S	7/16	7/16	8/17	7/15	10/20	10/8	8/16	7/15
PH	10	10	10	10	9.5	9.5	9.5	9.5
CHL	3K	3K	2K	2K	2K	2K	2K	2K
CAL	80	80	80	80	80	100	100	140
LCM	8	9	8	7	6	7	8	7

CFS Points

1.4527' 8.4670'
 2.4560' 9.4700'
 3.4630' 10.4730'
 4.4640' 11.4765'
 5.4647' 12.5000'
 6.4652'
 7.4657'

ROCK TYPES

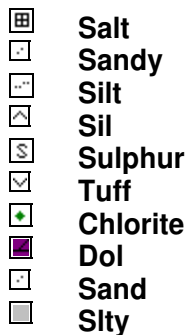


ACCESSORIES

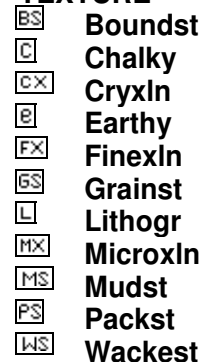
FOSSIL



MINERAL



TEXTURE



STRINGER



OTHER SYMBOLS

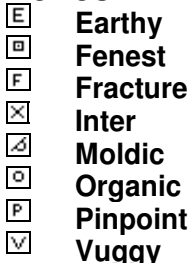
INTERVALS



EVENTS



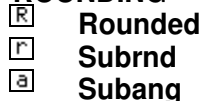
POROSITY TYPE



SORTING

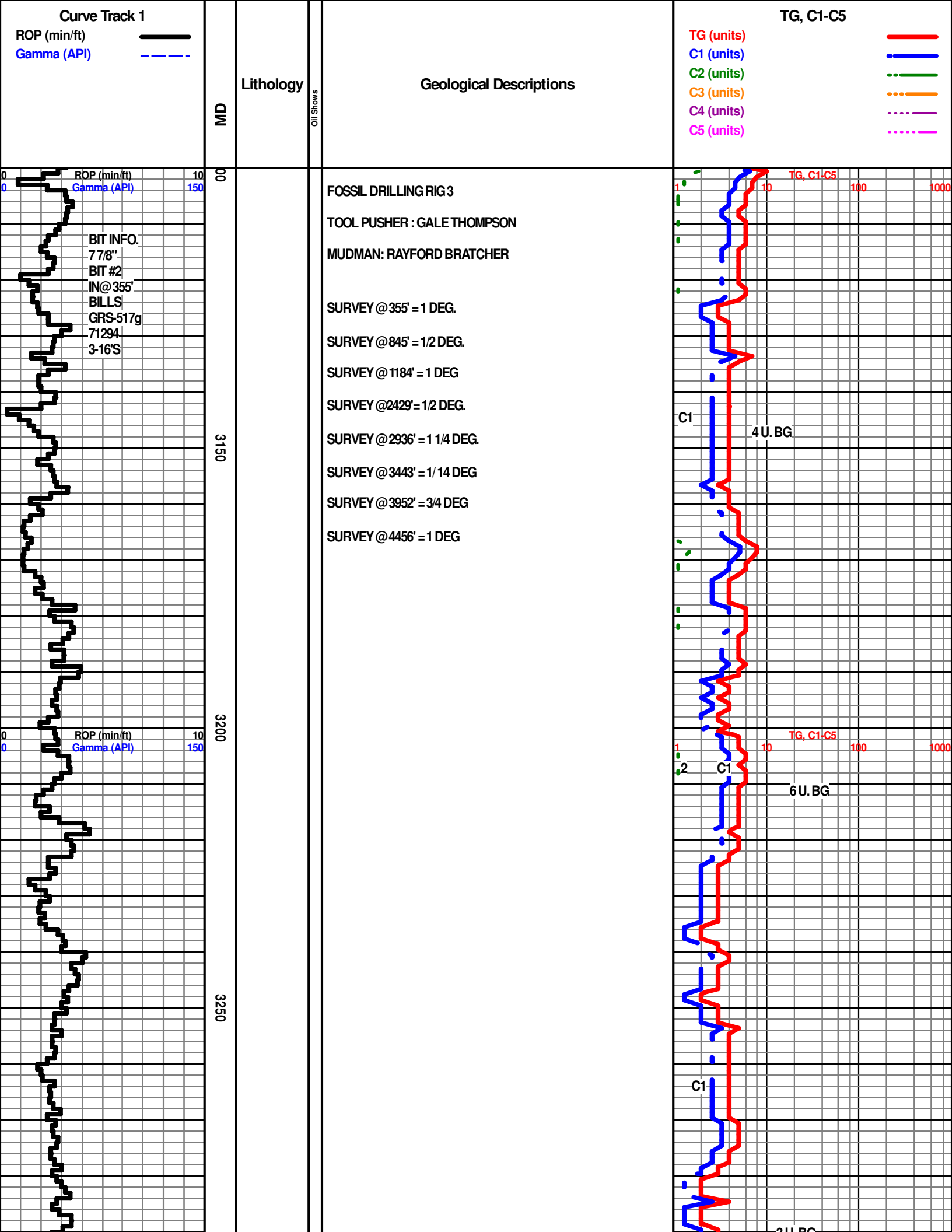


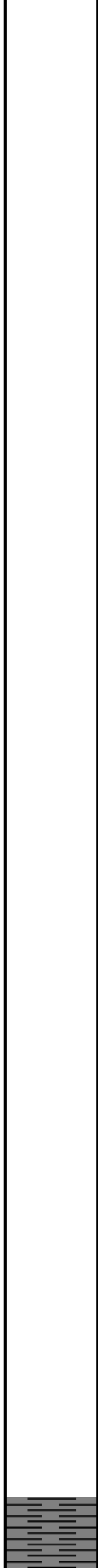
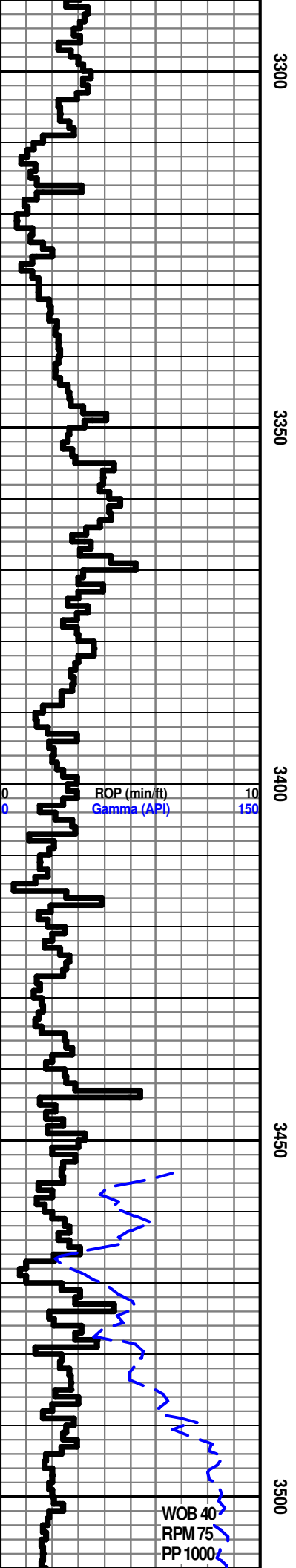
ROUNDING



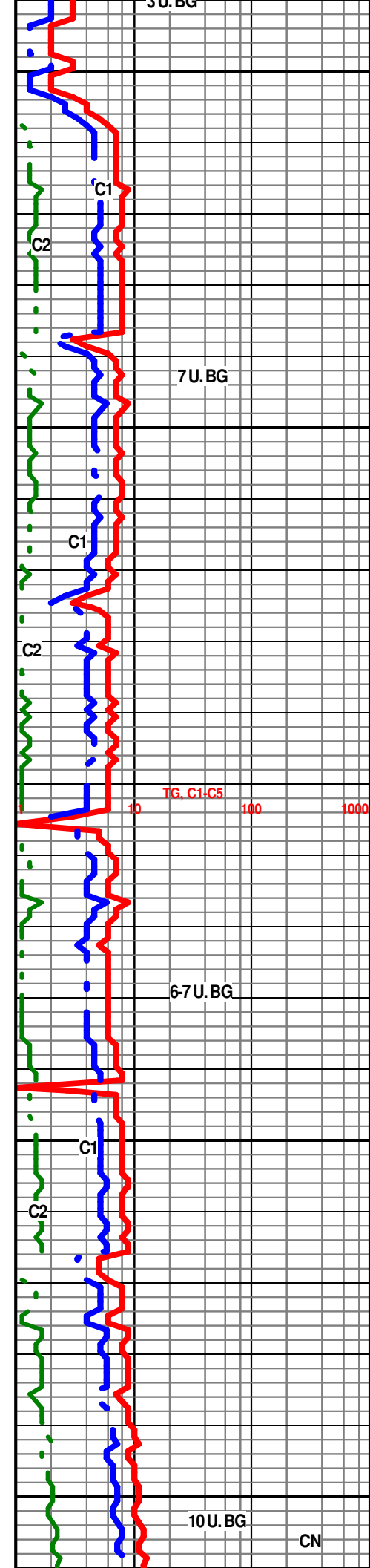
OIL SHOWS

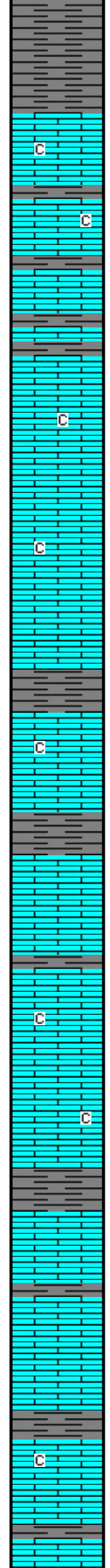
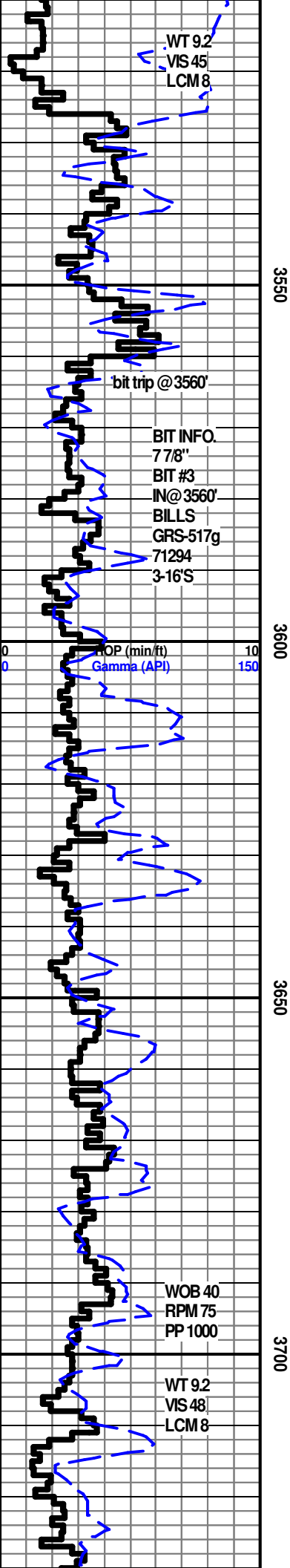






START 10' SAMPLES AT 3500'





3500' - 3526' SHALES - LT TO MED GRAY SOFT TO V/SOFT MUSHY WHEN WET

3526' - INTERBEDDED LS & SHALES

1. LMS- SLI DOLO IP'S- TAN , CRYPTO-VV/FN-XLN , TRS SUB CHLKY, SUB SUCRO TO SUCRO & PCKSTN, DLL GLDN YEL TO GLDN EL FLO, FLUOR, NO CUT, TRS POOR MICRO PPPORIP, PROB INTER-XLN POR IP

3. SHALE-LT TO MED GRAY TRS SOFT MUSHY TOMOSTLY FIRM CALC IP

2. LMS- LT TO MED GRAY SLI TO V/SHLY, CRYPTO-XLN SUB CHLKY & OR SHALY & PCKSTN, NO FLO, NO CUT, NO VIS POR

3560' - 3656' INTERBEDDED LMST-

1. LMS- TRS SLI DOLO IP, TAN TO LT GRY, CRYPTO-VV/FN-XLN TRS SUB CHLKY SUB SUCRO TO TRS SUCRO & PCKSTN. TRS DLL GLDN TO GLDN YEL FLO, NO CUT NO VIS POR

2. LMS- LT TO MED GRY- SLI TO FRLY SHALY, CRYPTO-XLN SUB CHLKY & OR SHALY & PCKSTN, TRS DLL YEL FLO, NO CUT, NO VIS POR

3. SHALES- MED GRAY - SLI TO FRLYCAL IP

3556' - 3693' INTERBEDDED LMS & SHALES

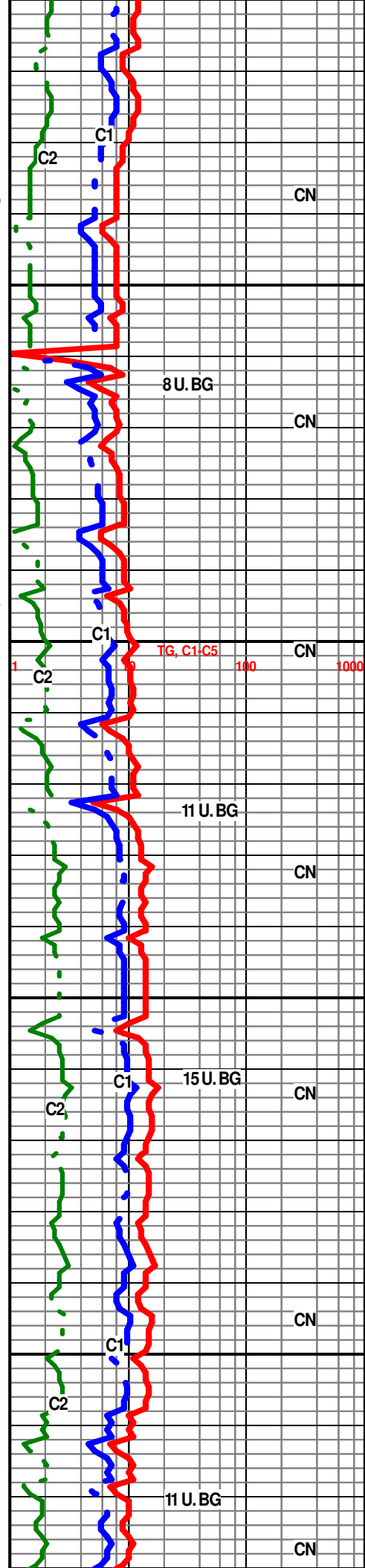
1. LMS- LT TO MED GRY- SLI TO FRLY SHALY, CRYPTO-XLN SUB CHLKY & OR SHALY & PCKSTN, TRS DLL YEL FLO, NO CUT, NO VIS POR

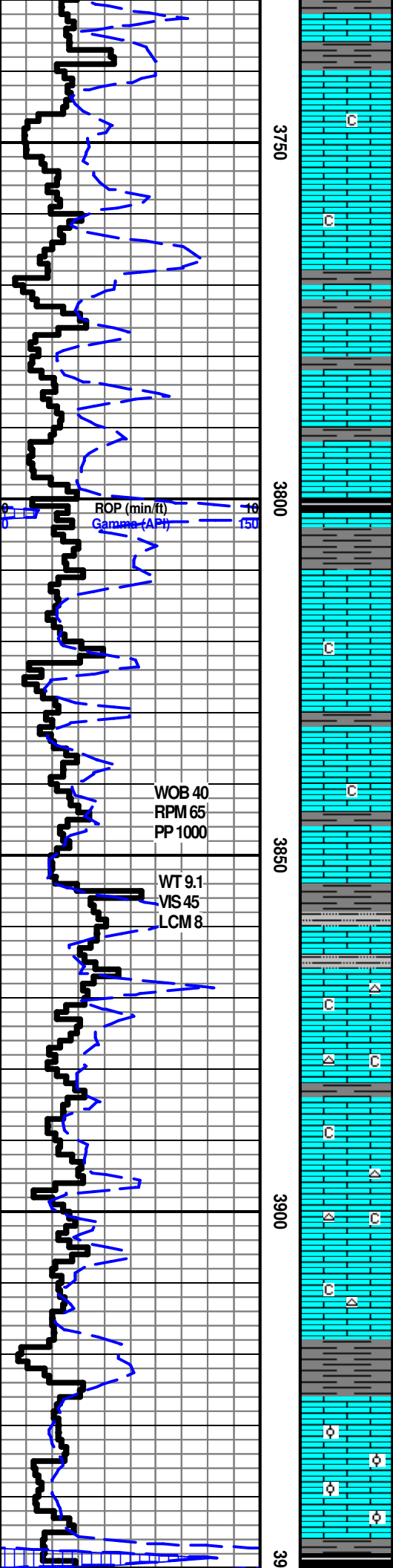
3. SHALES- MED GRAY TO TRS DRK GRAYW/SLI TRS BLCK CARB LOOKING

2. LMS- TAN CRYPTO-XLN PCKSTN TO SUB LITHOGRAPHIC, TRS DLL YEL FLO, NOCUT , NO VIS POR

3693' - 3724' - LMS- W/ INTERBEDDED SHALES

1. LMS- LT TAN TO MED GRAY CRYPTO-VV/FN-XN, TRS CHALK SUB CHLK SUB SUCRO PCKSTN & SUB LITHO, DLL YEL FLO IP, NO VIS POR





2. INTERBEDDED SHALES MED TO DRK GRAY CALC IP

3724' -3811' INTERBEDDED LMS& SHALES

1. LMS- TRS TO HVY TRS WHT TO CRMCHLK & TAN TO LT GRAY CRYPTO-VV/FN-XLN, SUB CHLK TO SUB SUCRO PCKSTN & TRS SUB LITHO, DLL YEL FLOIP, NO CUT, NO VIS POR
2. LMS- MED TO DRK GRAYM CRYPTO-XLN, SB CHLKY& OR SHALY & PCKSTN, NO FLO, NO VIS POR
3. SHALE- MED TO TRS DRK GRAY - CALC IP, TRS BLK CARB LOOKING

3811' - 3861' INTERBEDDED LMS SHL TRS SILTST

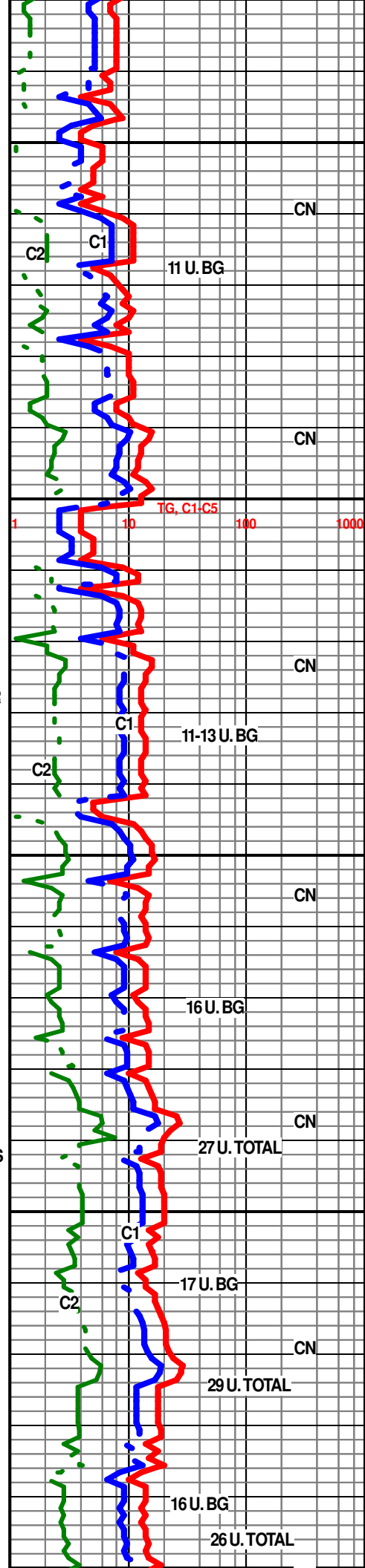
1. LMS- SLI TO FRLY CGLKY- WHT TO CRM & TAN GRAY IP, CRYPTO-VV/FN-XLN SUB CHLK SUB SUCRO TRS SUCRO PCKSTN & TRS SUB LITHO, DLL YEL TO SLI TRS YEL FLO, NO CUT, NO VIS POR, SLI TRS PR MICRO PP & POS INTER-XLN POR
2. LMS- LT TO MED GRAY - SLI TO FRL SHALY, CRYPTO-XLN AUB CHLKY & OR SHLY & PCKSTN, NO FLO, NO CUT, NO VIS POR
3. SLI TRS SILTST- LT GRY VV/FN-GRN NO FLO, NO CUT NO VIS POR

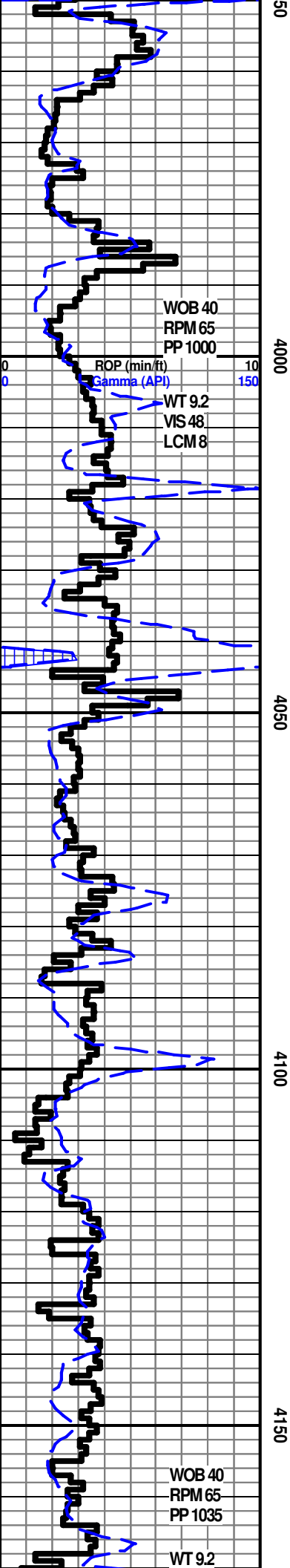
3861' - 3919' LMS- TRS TO HVY TRS WHT TO CRM CHLK & TAN CRYPO-VV/FN-XLN, SUB CHLK SUB SUCRO & PCKSTN, SLI TRS DLL YEL FLO, NO CUT, TRS TO HVY TRS IP PR FR TO GOOD MICRO PP POR, TRS CHERT, LT TAN OPQUE, 3586-3890 HAD FAINT ODOR W. TRS WHT TO MED TO COARSE CALC XLS IP-POSS FRACT.

3919' - 3926' SHALES- MED TO DRK GRY- CALC IP

3926'-3947' LMS-TRS TO HVY TRS WHT TO CRM CHLK & TAN CRYPO-VV/FN-XLN, SUB CHLK SUB SUCRO & PCKSTN, HWY TRS PHNTM OOLITIC TO TRS OOLITIC, DLL YEL FLO NO CUT, PHANTM OOLITIC & OOLITIC POR, PR TO FR POR IP, SUCRO MATRIX W/ PROB INTER-XLN POR

3945'-3952' SH- V/ DRK GRAY TO BLK CARB

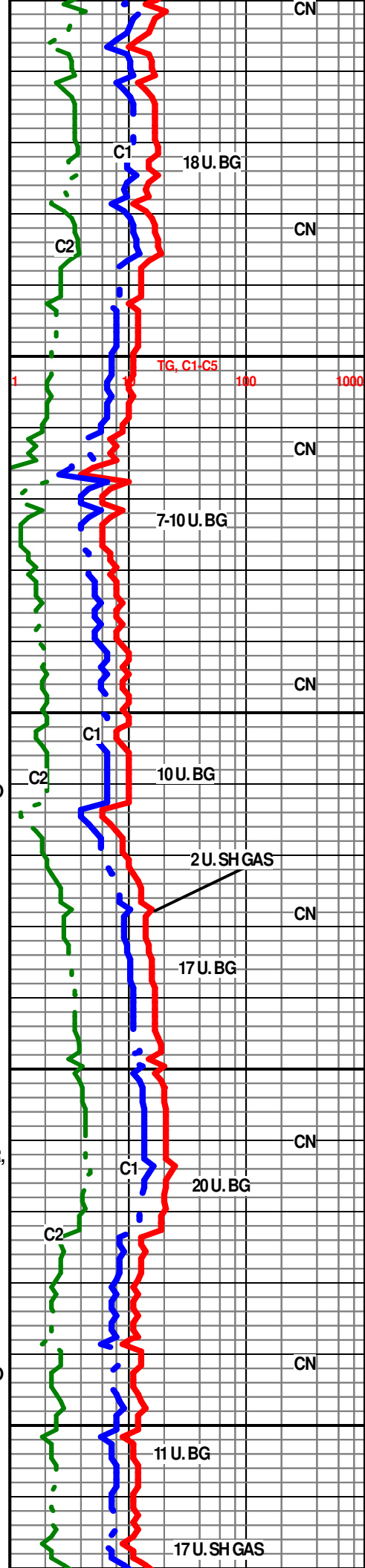


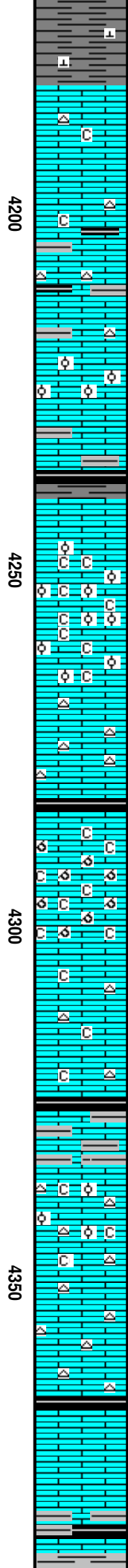
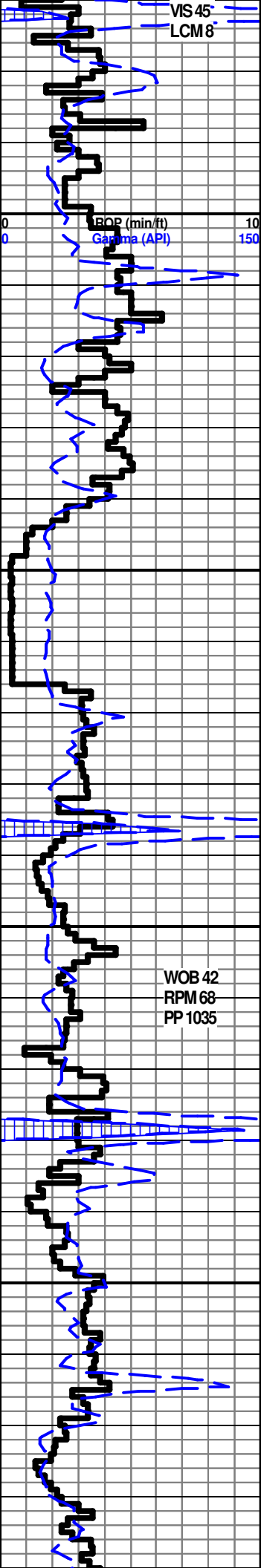


HEEBNER 3952' - 1054'
3951' - 3954' LMS- TAN CRYPTO-XLN PCKSTN, TRS DLL YEL FLO IP, NO CUT, NO VIS POR
3954' - 3964' SH- LT GRY TO LT GREEN SLI SILTY IP

TORONTO 3964' - 1066'
3964' - 3981' LMS- TRS WHT T CRM CHLK & CRM TOLT TAN CRYPTO- V/V/FN-XLN, SUB CHLK, SUB SUCRO TO SUCRO & PCKSTN, DLL YEL TO DLL LT YEL TO LT YEL FLO, NO CUT, TRS PR TO SLI TRS FR MICRO PP POR, TRS CHERT LT GRY TO OFF WHT OPQUE
3981'-3989' SH - MED TO DRK GRY CALC & POSS V/DRK GRAY TO BLK CARB LOOKING
3989' -4003' LMS- TRS WHT TO CRM CHLK & CRM LT TN CRYPTO-V/V/FN-XN, SUB CHLK, SUB SUCRO, PCKSTN & SUB LITHO, ABDT DLL YEL FLO, NO CUT, NO VIS POR, W/ TRS CHERT WHT OFF WHT OPQUE
4003' - 4052' INTERBEDDED LMS & SHALE
3. SHALES- MED TO V/ DARK GRAY TO BLK CARB
1. LMST- SIMILAR TO 3989' -4003'
2. LMS LT TO MED GRAY- SLI TO FRLY SAHLY, CRYPTO-XLN SUB CHLKY & OR SHALY & PCKSTN, NO FLO, NO VIS POR, NO CUT

LANSING 4052' - 1154'
4052' -4073' LMS- TAN GRAYISH IP, CRYPTO-VV/FN-XLN TRS SUB CHLK SUB SUCRO TO SUCRO PCKSTN & TRS SUB LITHO PHANTOM OOLITES IP DLL LT YEL FLO, NO CUT TRS PR MICRO PP POR
4073' - 4084' SHALE - MED GRAY TO DRK GRAY, MICACIOUS IP, TO TRS BLK CARB
4084' - 4101' LMS- LT TO MED GRAY SLI TO FRLY SHALY, CRYPTO-VV/FN-XLN SUB SUCRO PCKSTN & TRS SUB LITHO, DLL YEL FLO, NO CUT, TRS PR MICRO PP POR
4101' - 4113' LMS- TRS WHT CHLK & LT TAN TO LT GRAY, CRYPTO- VV/FN-XLN TRS SUB CHLK, SUB SUCRO PCKSTN & TRS SUB LITHO, DLL YEL FLO, NO CUT, TRS PR MICRO PP POR, SLI TRS CHERT LT GRAY OPQUE
4113' - 4119' SHALE- MED TO DRK GRAY
4119' - 4164' LMS- SLI TRS WHT CHLK & TAN TO LT GRAY, CRYPTO- -VV/FN-XLN, TRS SUB CHLKY SUB SUCRO PCKSTN & SUB LITHO, TRS PHNTOM OOLITIC, DLL YEL FLO TO YEL FLO, NO CUT, NO VIS POR W/ SCATTERED TRS CHERT WHT TO TAN





4164'-4181' SHALE - MED TO DRK GRAY - CALIP, TO V/ DRK GRAY TO BLK CARB

4181'- 4202' LMS- SLI TRS WHT CHLK & TAN TO LT GRAY, CRYPTO- -V/V/FN-XLN, TRS SUB CHLKY SUB SUCRO PCKSTN & SUB LITHO, TRS PHNTOM OOLITIC , DLL YEL FLO TO YEL FLO, NO CUT, NO VIS POR W/ SCATTERED TRS CHERT WHT TO TAN

4202'- 4218' SLI TRS WHT CHLK & TAN TO LT GRAY, CRYPTO- -V/V/FN-XLN, TRS SUB CHLKY SUB SUCRO PCKSTN & SUB LITHO, TRS PHNTOM OOLITIC , TRS SH- V/ DRK GRAY TO BLK DLL YEL FLO TO YEL FLO, NO CUT, NO VIS POR W/ SCATTERED TRS CHERT WHT TO TAN

4218'- 4227' LMS- LT TAN, CRYPTO- V/V/FN-XLN W/ SLI TRS WHT FN TO MED COURSE CALCITE XLS & FRAGMENTS, PHANTOM OOLITIC IP TO TRS OOLITIC, SUB SUCRO PCKSTN, DLL YEL TO YEL FLO, NO CUT V/ SLI TRS PR TO FR MICRO PP POR

4237'- 4240' SHALE- MED TO V/ DRK GRAY - CALC IP, TO V/ DRK GRAY TO BLK CARB

4240'- 4266' LMS- TRS WHT TO CRM CHLK & TAN GRAYISH IP, CRYPTO-V/V/FN-XLN, V/ ABDT OOLITIC TO PHANTM OOLITIC MATRIX, SUB CHLK SUB SUCRO PCKSTN & SUB LITHO, TRS DLL YEL FLO NO CUT, NO VIS POR

4266- 4282' LMS- LT TAN TAN, CRYPTO-XLN PCKSTN & SUB LITHO, TRS YEL FLO, NO CUT, NO VIS POR, TRS CHERT WHT LT GRYPQVE+

KANSAS CITY "A" 4284' - 1386'

4282'- 4284' SHALE- V/ DRK GRAY TO BLK CARB

4284'- 4302' LMS- EXTRL ABDT CHLK WHT & TAN GRAYISH IP, V/ TO EXTRMLY OOLICASTIC & OR SILTY, SLI TO V/ OOLITIC MATRIX, SUB SUCRO & PCKSTN, DLL YEL TO YEL FLO, TRS PR FR TO GD & EXCEL OOLICASTIC POR, PROB NO PERM

4302'- 4324' LMS- TRS WHT CHLK & TAN TO LT GRAY CRYPTO-V/V/FN-XLN, SUB SUCRO & PCKSTN, TRS SUB LITHO, DLL TO V/ DLL YEL FLO. NO VIS POR, W/ TRS CHERT LT GRAY OPQUE

KANSAS CITY "B" 4326' - 1428'

4324'- 4326' SH- BLK CARB TO V/ DRK GRAY

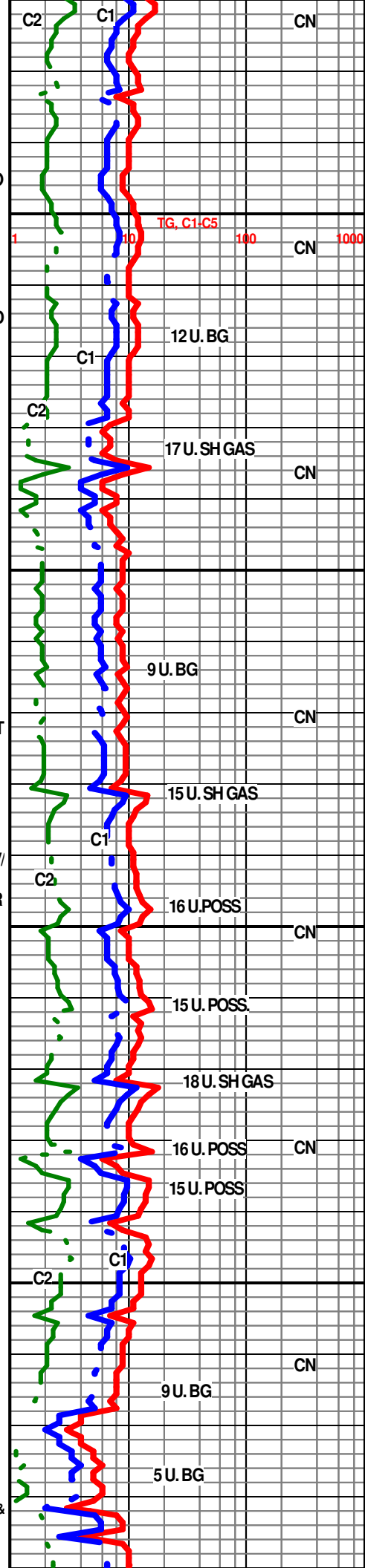
4326'- 4333' LMS- LT TO MED GRAY SLI TO FRLY SHLY & GRAY TO TAN CRYPTO-XLN TO PCKSTN, NO FLO, NO CUT, NO VIS POR

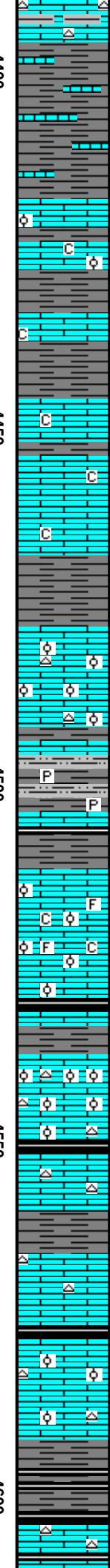
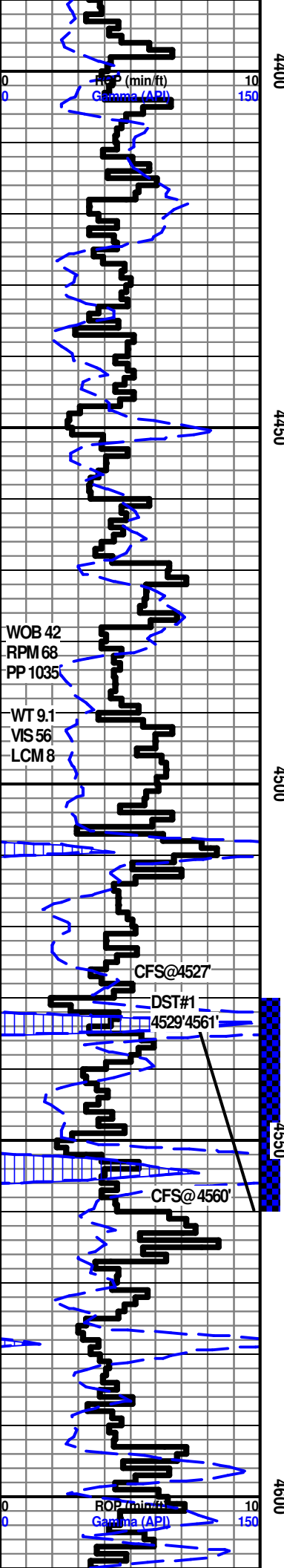
4333'- 4349' LMS- HVY TRS WHT CHLK & TAN GRAYISH TAN IP SUB SUCRO PCKSTN & TRS SUB LITH, ANDT PHANTM OOLITIC TO OOLITIC IP, DLL YEL FLO IP, NO CUTS TRS PR MICRO PP POR , TRS GRAY TO TAN CHERT OPQUE

4349'- 4365' LMS- TAN GRAYISH TAN , TRS LT GRY , CRYPTO-V/V/FN-XLN SUB CHLKY SUB SUCRO PCKSTN, TRS SUB LITH, V/ DLL YEL FLO IP, NO CUT, NO VIS POR, TRS CHERT GRAY OPQUE

4365'- 4366' SH- V/ DRK GRAY TO BLK CARB

4366'- 4383 LMS- EXTRMLY ABDT WHT CHLK & LT TAN GRAY ISH IP EXTRMLY OOLITIC TO SLI OOLICASTIC, TRS FOSS HASH, MATRIX SUB CHLK SUB SUCRO PCKSTN, TRS SMLL WHT TO CLR CALCITE XLS SLI TR SPTTD TO DRK TAN OIL STN V/ DLL GLDN YEL FLO, FN' TO FR RING CUT, TRS PR FR GD OOLICASTI, PP & MICRO PP POR





4386-4396' LNS- LT TO MED GRAY, SLI TO FRLY SHALY, CRYPTO-XLN PCKSTN TO TRS SUB LITHO NO FLO, NO CUT, NO VIS POR, HVY TRS CHERT LT GRAY OPQUE

4396'-4418' SH- MED TO V/ DRK GRY TRS BLK CARB SLI TO EXTRMLY CALC GRADING TO SHLY LMS, NO FLO NO CUT, NO VIS POR

MARMATON 4418' - 1520

4418'- 4469' INTERBEDDED LMS & SHALES
 1. LMST TRS TOABDT WHT CHLK & TAN GRAYISHIP CRYPTO-VV/FN-XLN SUB CHLK SUB SUCRO TO SUCRO PCKSTN TRS SUB LITHO, ABDT OOLITIC TO PHANTM OOLITIC IP, SBDT YEL FLO, NO CUT, PR MICRO PP POR IP

3. SHALES- LT TO MED GRAY TO DRK GRY EXTRMLY CALC
 2. LMS- LT TO MED GRAY SLI TO EXTRMLY SHLY, CRYPTO-XLN GRADING TO CALC SH SUB CHLK & OR SHALY, PCKSTN & TRS SUB LITHO, NO CUT, NO FLO, NO VIS POR

4469'-4505' INTERBED LMS & SHLS W/ TRS SILTST
 1. LMS-LT GRAY TO TAN CRYPTO TO TRS VV/FN-XLN SUB CHLK, SUB CURO PCKSTN & SUB LITHOGR, ABDT OOLITIC TO ABDNT PHANTM OOLITIC, V/ DLL YEL FLO, NO CUT, NO VIS POR, TRS CHERT GRY OPQUE

2. SH- LT TO MED GRAY OLIVE GREEN SPLINTERY TR RED & MAROON
 3. SILTS- FN TO MED GRN CLAYFILLED SLI CALC TRS DRK GRAY TO BLK ANG SH GRNS, TRS V/PYRITIC, NO FLO, NO VIS POR, FRI

PAWNEE 4507' -1609'

4505-4507' SH- BLK CARB
 4507' - 4530'-LMS- SI TRS WHT TO CRM CHLK, & TAN CRYPTO-VV/FN-XLN, SUB CHLK, SUB SUCRO & PCKSTN & SUB LITHO, V/ OOLITIC TO PHANTOM OOLITIC, TRS FOSS, DLL YEL TO YEL FLO, NO CUT, NO VIS POR, W/ TRS CHERT LT GRY TO TAN OPQUE

4530'4532' SH- V/ DRK GRY TO BLK CARB

FT. SCOTT 4532' -1634'

4539- 4549' LMS- TAN LT GRAY W/ ABDT SPTTD TO EVEN LT BRN OIL STN, STRNG OIL ODOR, EXTRMLY OOLITIC & OR PHANTOM OOLITIC, MATRIX SUB SUCRO TO SUCRO & PCKSTN, DLL GLDN TO GLDN YEL FLO, FLUSH TO GOOD STRMING CUTS, ABDT PR FRGD TO EXCEL VUG, PP MICRO PP & INTER-XLN POR W/ TRS CHERT TAN TO GRAY OPQUE

4549- 4553' SH-V/DRK GRAY TO BLK CARB

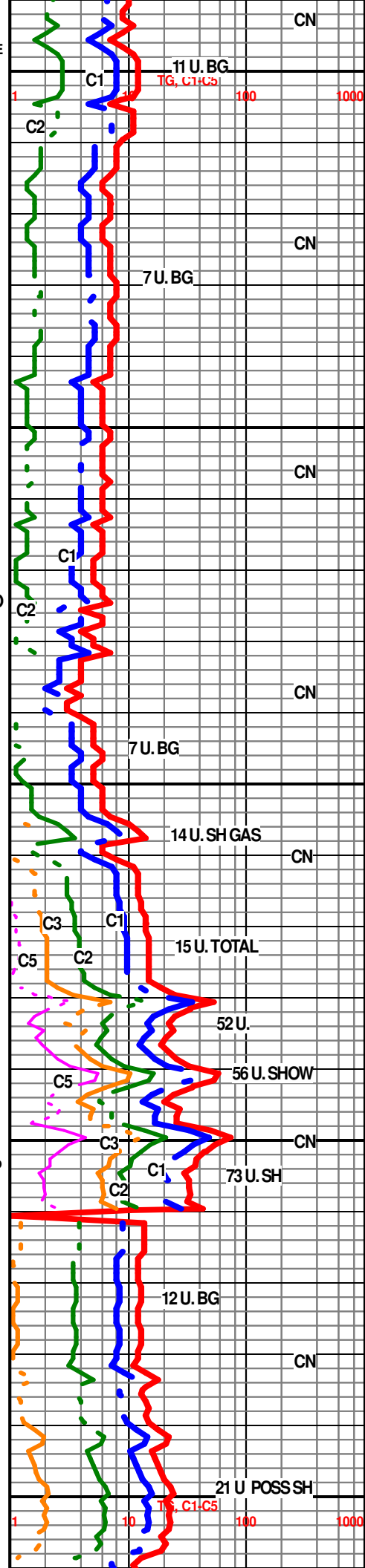
4553'- 4609' INTERBED LMS & SH
 1. LMS-TAN GRAYISH IP, CRYPTOT-XLN, SUB CHLK & PCKSTN & SUB LITHO HVY TRS OOLITIC TO PHANTOM OOLITIC, DLL YEL FLO, NO CUT, NO VI POR, TRS CHERT TAN OPQUE

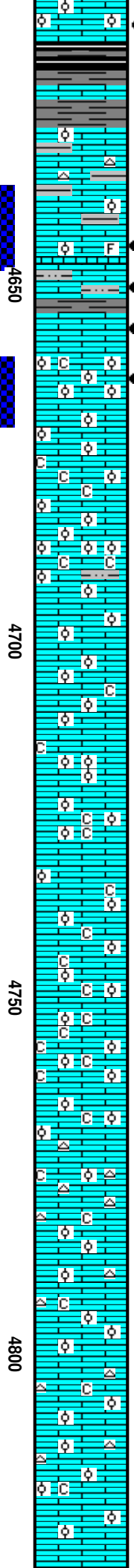
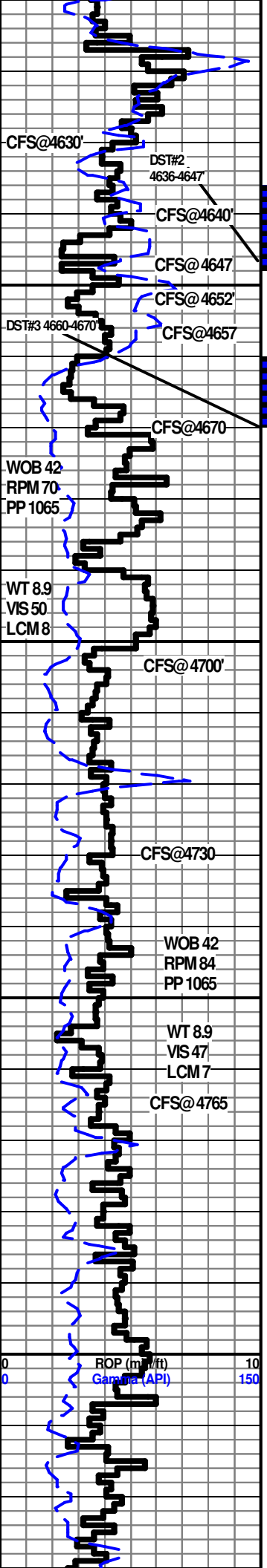
2. LMS- LT TO MED GRY SLI TO EXTRMLY SHLY GRADING TO CALC SHALES, CRYPTO-SUB CHLKY & ORSHALY & PCKSTN, SLI TRS GRAY PHANTOM OOLITIC, NO FLO, NO CUT, NO VIS POR

3. SH- MED TO V/ DRK GRAY SLI TO EXTRMLY CAL & V/ DRK GRY TO BLK CARB

4. SLI TRS CHERT LT GRY TAN OPQUE

4609-4617' LMS- TAN GRAYISH TAN IP, CRYPTO TO VV/FN-XLN SUB SUCRO TO SUCRO & PCKSTN, TRS PHANTM OOLITIC, FR TO GOOD OIL ODOR OIL SKIMIN





WATER, TRS SPTTD BRN OIL STN, DLL GLDN TO GLDN YEL FLO, FLUSH TO EXCEL STRMING CUTS. TRS PR TO FR TRS GOOD MICRO PP POR & PROB INTER-XLN POR

4617'-4643' INTERBED LMS & SHLS SIMILAR TO 4553-4609' W/ SCATT SLI TRS SHOW ROCK SIMILAR TO 4609-4617' PROB STRINGING IN SAMPLES

4643'-4646' LMS-TAN BRN DRK BRN DUE TO EVEN TO TRS SPTTD STN, STRNG OIL ODOR, SKIM OIL ON WATER, SUCRO TO SUB SUCRO & PCKSTN, TRS CRYPTO-V/V/FN-XLN IP, ABDT OOLITIC & PHANTM OOLITIC, ABDT FOSS FRGS IP, DLL GLDN TO GLDN YEL FLO, W/ FLUSH TO EXCEL STRMING CUTS, ABDT PR FR TO GOOD ANDEXCEL VUG, PP MICRO PP, INTER-FOSS POR IP, POSS INTER-XLN IP, SMLL TO MED CALC XLS IN VUGS

4646'-4652' LMS SIMILAR TO 4643-4646' W/ SPOTTED TRS EVEN LT MED TO DRK BRN TO BLK OIL STN, HVY TRS CHLK W SPTTD STAIN PR TO TRS FR IP MICRO PP POSS INTER-XLN POR, SLI TR SILTY LT TAN LT BRN OIL STN DLL GLDN FLO, FLSH TO GD STRM CUTS W/ FR MICRO PP POR IP POSS INTERGRAN POR V FRI

4652'-4657' SH - YELL GREEN V/ MUSHY WHEN WET W/ TRS LMS- PINK GRAY TAN, CRYPTO-XLN SLI TRS SPTTD TN OIL STN V/DLL YEL FLO, FLUSH CUT PCKSTN FRACT. PLANES, NO VIS POR

4660'-4667' LMS- HVY TRS WHT TO CRM CHLK W/CHILKY OOLITES IP & CRM TO LT GRV EXTRMLY OOLITIC(SMLL MED LRG) TRS OOLICATSIC MTRIX CHLK, SUB SUCRO TO SUCRO & PCKSTN. OIL SKIM ON WATER, FR OIL ODOR. LT TO DRK BRN SPTTD TO EVEN OIL STN, GLDN TO BRN GLDN YEL FLO, W/ FLUSH TO EXCEL STRMING CUTS, ABDT PR FR GD TO HVY TRS EXCEL INTEROOLITIC, PP, MICRO PP & SUCRO POR, SLI TRS SILTY LT GRV W/ BRN SPTTD TO EVEN OIL STN, DLL GLDN FLO FLSH TO GD STRMING CUTS W/ POSS INTERGRAN POR

4667' - 4685' LMS- TRS WHT TO CRM CHLK, LT TAN TO TAN GRAYISH IP, CRYPTO-V/V/FN-XLN TO EXTRMLY OOLITIC (MICRO, SMLL, MED LRG) MATRIX SUB CHLK SUB SUCRO & PCKSTN, DLL YEL FLO, NO CUTS, NO VIS POR

4685'-4691' LMS - HVY TRS WHT TO CRM CHLK, LT TAN TO TAN GRAYISH IP, CRYPTO-V/V/FN-XLN V/ TO EXTRMLY OOLITIC (MICRO SML, MED, LRG) MATRIX TRS CHLK, ABDT SUB CHLK SUB SUCRO & PCKSTN, DLL YEL FLO, NO CUTS. NO VIS POR W/ HVY TRS LT TO MED GRV PLATY SHLS

4691' 4701' SIMILAR TO 4667 TO 4685'

4701' 4730' LMS- ABDT WHT TO CRM CHLK & CHILKY OOLITES, LT TAN TO TAN GRAYISH IP, CRYPTO-V/V/FN-XLN TO EXTRMLY OOLITIC (MICRO, SMLL, MED LRG) MATRIX SUB CHLK SUB SUCRO & PCKSTN, DLL YEL FLO, NO CUTS, NO VIS POR

4730' - 4768' LMS- SLOWER DRILLING SIMILAR TO 4701' 4730' FASTER DRILLING DIFF EXTREM ABDT WHT TO CRM CHLK & TRS OOLITES

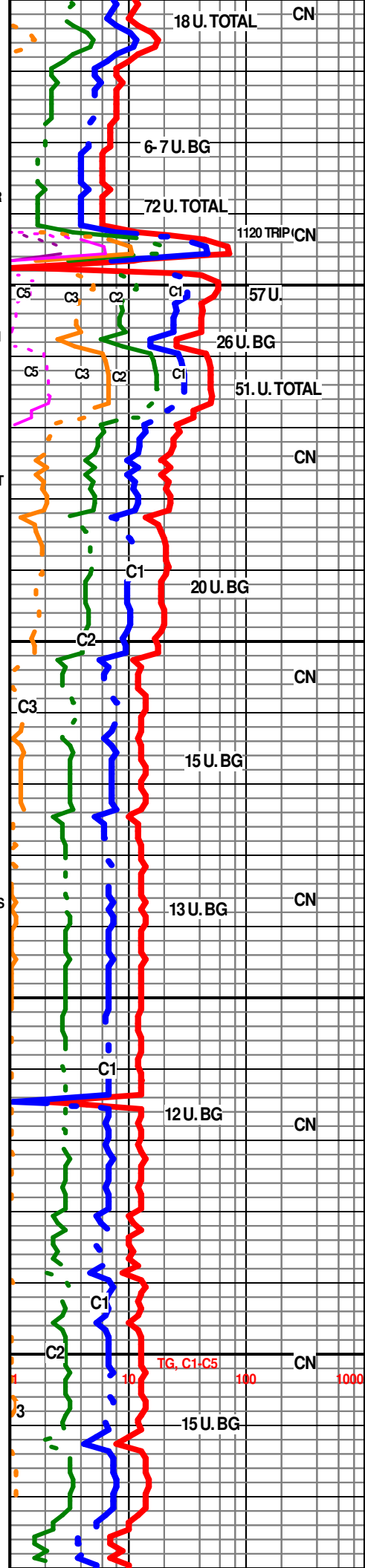
4768' 4779' LMS- TAN TO LT GRV, CRYPTO-XLN PCKSTN SUB LITHO, DLL YEL FLO, NO CUT, NO VIS POR, W/ TRSCERT OFF WHT LT GRV OPQUE

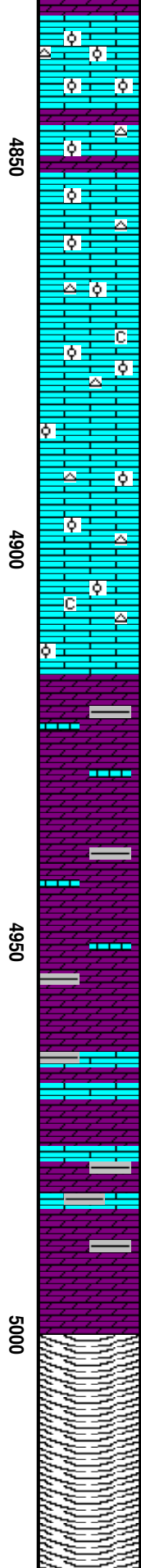
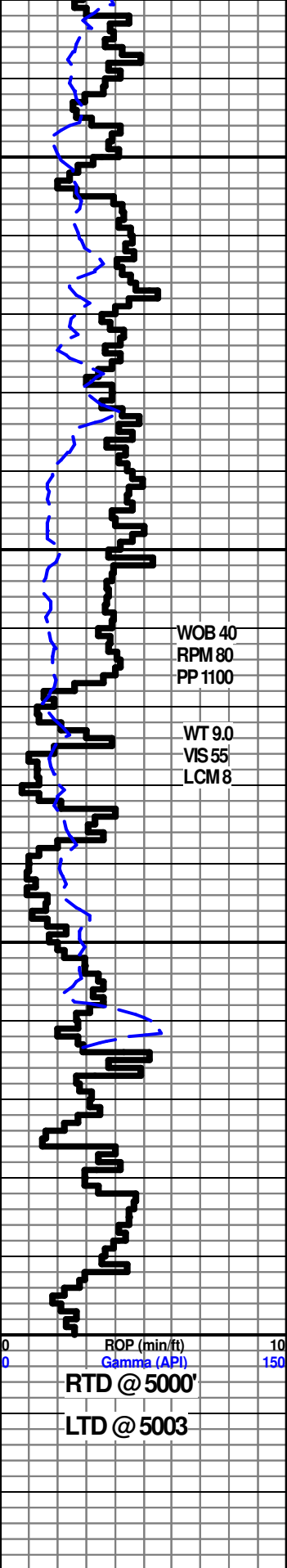
4779-4807' 1. - 2/3 LMS- TRS WHT TO CRM CHLK & LT GRV TO TAN CRYPTO-XLN V/V/FN-XLN, V/TO EXTRMLY OOLITIC & PHANTOM OOLITIC(SMLL MED LRG) MATRIX SLI TRS SUB CHLK SUB SUCRO PCKSTN & TRS SUB LITHO DLL YEL FLO NO CUT, NO VIS POR

2. LMS- LT GRV TAN CRYPTO-XLN PCKSTN TO SUB LITHO, DLL YEL FLO NO CUT, NO VIS POR

3. TRS TO HVY TRS CHRT OFF WHT GRAY TAN OPQUE

4807' 4823' INTERBEDDED LMS- TRS WHT TO CRM CHLK & LT GRV TO TAN CRYPTO-XLN V/V/FN-XLN, V/TO EXTRMLY OOLITIC & PHANTOM OOLITIC(SMLL MED LRG) MATRIX SLI TRS SUB CHLK SUB SUCRO PCKSTN & TRS SUB LITHO DLL YEL FLO NO CUT, NO VIS POR W/ CHERT WHT & CHLK WHT TO CRM





4823'-4855' INTERBED LMS & DOLO-

1. SLOWER DRILLING - LMS-TRS WHT TO CRM CHLK & LT GRY TO TAN CRYPTO-XLN VV/FN-XLN, HVY TRS OOLITIC (SMALL MED) MATRIX SLI TRS SUB CHLK SUB SUCRO PCKSTN & TRS SUB LITHO DLL YEL FLO NO CUT, NO VIS POR W/ CHERT WHT & CHLK WHT TO CRM

2. FASTER DRILLING - DOLO- LT GRAY TO TAN VV/FN-XLN TO TRS CRYPTO-XLN SUB SUCRO & PCKSTN, SLI TO FRLY DOLO INCR W/ DEPTH DLL YEL FLO, NO CUT NO VIS POR, TRS CHERT OPQUE

4855'- 4917' LMS - LT GRY TO TAN, CRYPTO-VV/FN-XLN, TRS SUB CHLK, TRS SUB SUCRO & PCKSTN HVVY TRS OOLITIC & PHANTOM OOLITIC, DLL YEL FLO, NO CUT, NO VIS POR TRS CHERT WHT TAN OPQUE

SPERGEN 4917' -2023

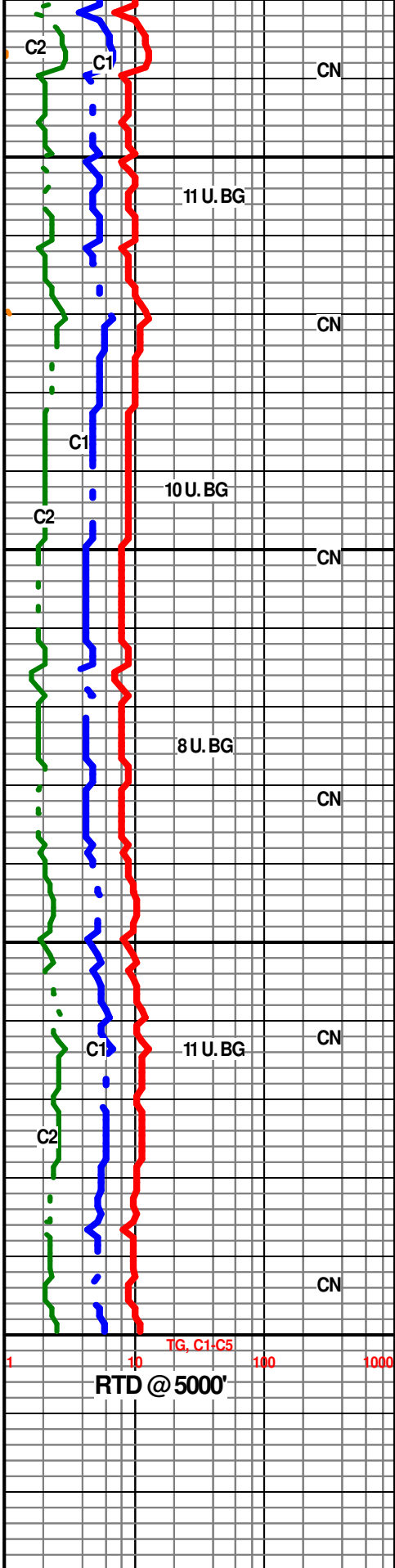
4917'- 4952' DOLO- LMY DOLO & DOLO LM, TRS TOABDT WHT TO CRM CHLK TAN GRAY IP, VV/FN-XLN TO TRS CRYPTO-XLN, TRS FN TO MED WHT CALC XLS & DOLO XLS & FRAGMENTS, DLL YEL FLO, NO CUT, W/ ABDT PR FR TO GD TO EXCEL SM VUG, PP, MICRO PP & PROB INTER-XLN POR

4952' - 5000' INTERBED & OR GRADATIONAL DOLO & LMS

1. DOLO-TAN TO LT TO MED GRAY-SLI TO FRLY SHALY IP, W/ FN GR TO CRYPTO-XLN SUB SUCRO TO V/ SUCRO & PCKSTN TRS WHT FN TO MED DOLO XLS & FRAGMENTS, DLL YEL FLO NO CUT, HVY TRS PR FR GD PP MICRO PP & POSS INTER-XLN POR

2. LMS-LT TO MED GRY-SLI TO FRL SHLY IP, CRYPTO TO VV/FN-XLN SUB SUCRO PCKSTN & TRS SUB LITHO PHANTOM OOLITIC IP, DLL YEL FLO, NO CUTS NO VIS POR

RTD @ 4:11 AM 12/21/23
CFS / SHORT TRIP 10 STANDS
CTCH / DROP SURVEY/ TOFL
ELI/HAYS KANSAS





DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration, Inc.**

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118

ATTN: Ed Grieves

Breyfogle #1-3

3-21s-31w Finney.KS

Start Date: 2023.12.16 @ 15:28:00

End Date: 2023.12.17 @ 02:25:15

Job Ticket #: 71728 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.12.21 @ 13:49:27



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71728

DST#: 1

Test Start: 2023.12.16 @ 15:28:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:15:15

Time Test Ended: 02:25:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 85

Interval: 4532.00 ft (KB) To 4560.00 ft (KB) (TVD)

Reference Elevations: 2898.00 ft (KB)

Total Depth: 4560.00 ft (KB) (TVD)

2886.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8319

Inside

Press@RunDepth: 22.31 psig @ 4532.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.12.16

End Date:

2023.12.17

Last Calib.:

2023.12.17

Start Time:

15:28:05

End Time:

02:25:15

Time On Btm:

2023.12.16 @ 18:14:45

Time Off Btm:

2023.12.16 @ 22:22:00

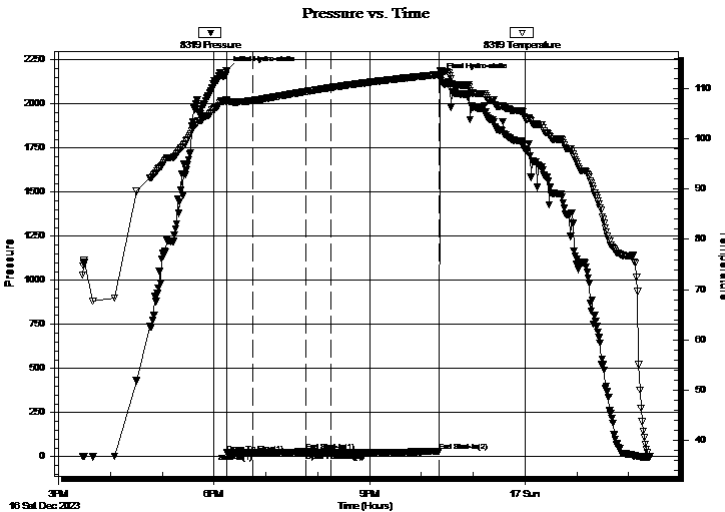
TEST COMMENT: IF: 1/4" blow . receded to surface

IS: No return.

FF: No blow .

FS: No return. 30-60-30-120

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2190.17	107.74	Initial Hydro-static
1	21.77	107.34	Open To Flow (1)
31	21.67	107.58	Shut-In(1)
92	28.33	109.37	End Shut-In(1)
92	22.44	109.37	Open To Flow (2)
121	22.31	110.16	Shut-In(2)
247	31.53	112.75	End Shut-In(2)
248	2149.56	113.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100m (oil spots)	0.01

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71728

DST#: 1

Test Start: 2023.12.16 @ 15:28:00

GENERAL INFORMATION:

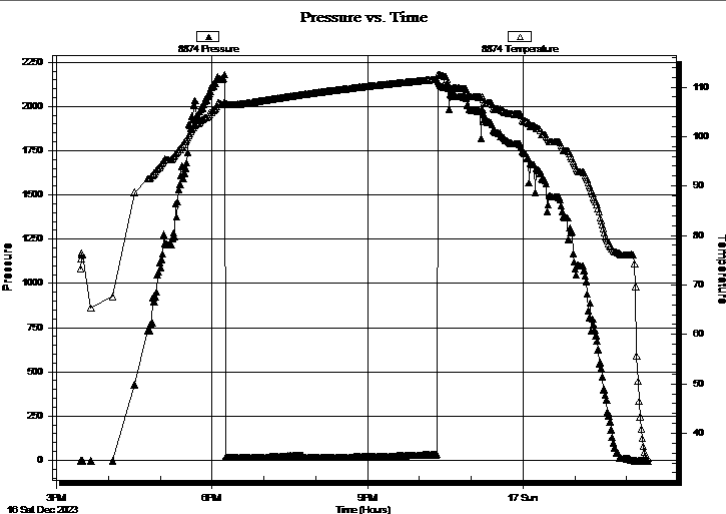
Formation: **Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:15:15
 Time Test Ended: 02:25:15
 Interval: **4532.00 ft (KB) To 4560.00 ft (KB) (TVD)**
 Total Depth: 4560.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 85
 Reference Elevations: 2898.00 ft (KB)
 2886.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8874

Outside

Press@RunDepth: psig @ 4532.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.12.16 End Date: 2023.12.17 Last Calib.: 2023.12.17
 Start Time: 15:28:05 End Time: 02:25:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/4" blow . receded to surface
 IS: No return.
 FF: No blow .
 FS: No return. 30-60-30-120



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100m (oil spots)	0.01

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71728

DST#: 1

Test Start: 2023.12.16 @ 15:28:00

Tool Information

Drill Pipe:	Length: 4399.00 ft	Diameter: 3.80 inches	Volume: 61.71 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume: 62.30 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4531.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4502.00	
Shut In Tool	5.00			4507.00	
Hydraulic tool	5.00			4512.00	
Jars	5.00			4517.00	
EM Tool	3.00			4520.00	
Safety Joint	2.00			4522.00	
Packer	5.00			4527.00	30.00 Bottom Of Top Packer
Packer	4.00			4531.00	
Stubb	1.00			4532.00	
Recorder	0.00	8319	Inside	4532.00	
Recorder	0.00	8874	Outside	4532.00	
Perforations	25.00			4557.00	
Bullnose	3.00			4560.00	29.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71728

DST#: 1

Test Start: 2023.12.16 @ 15:28:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 6.79 in³
Resistivity: ohm.m
Salinity: 2000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

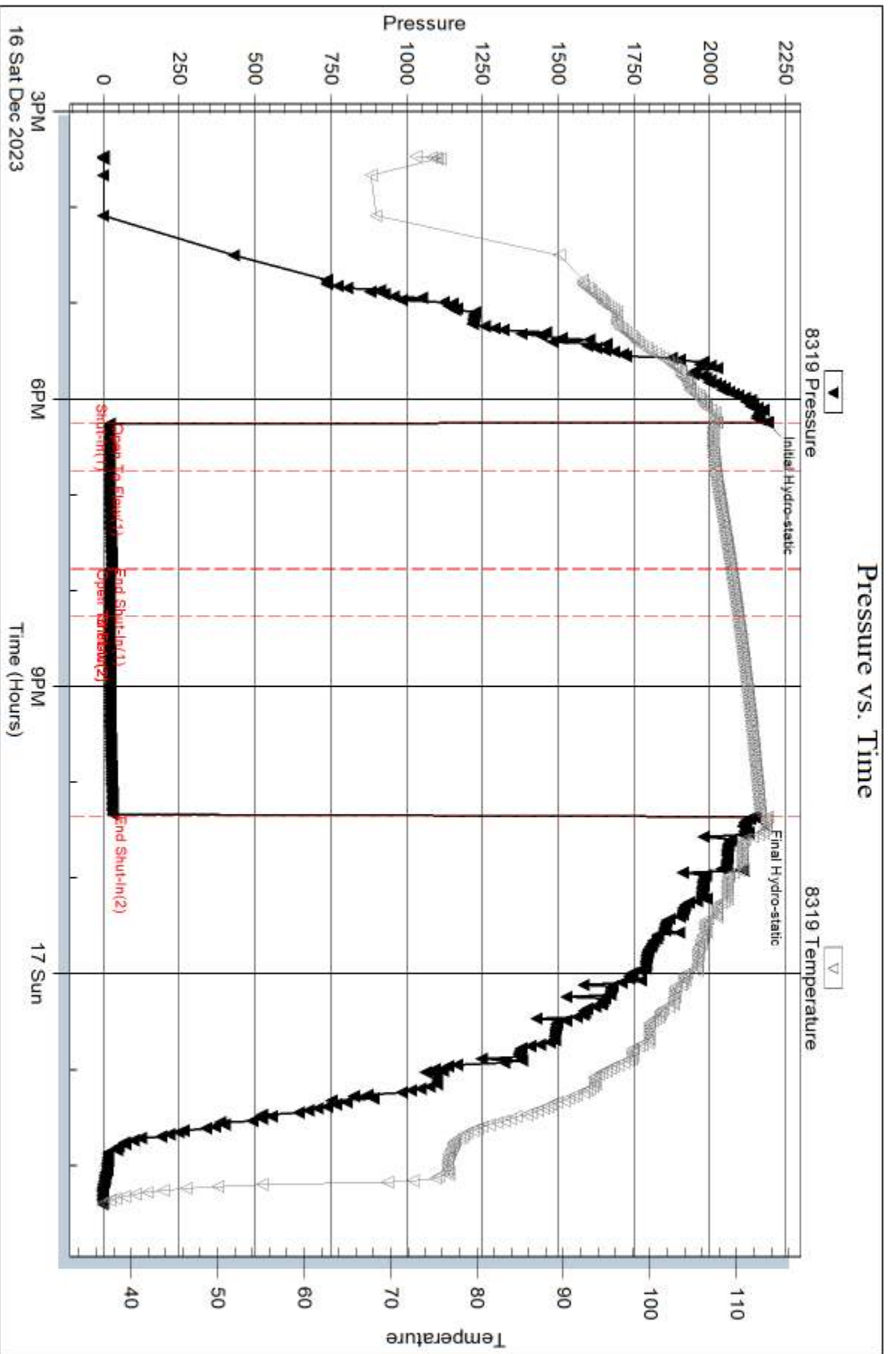
Length ft	Description	Volume bbl
3.00	Mud 100m (oil spots)	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

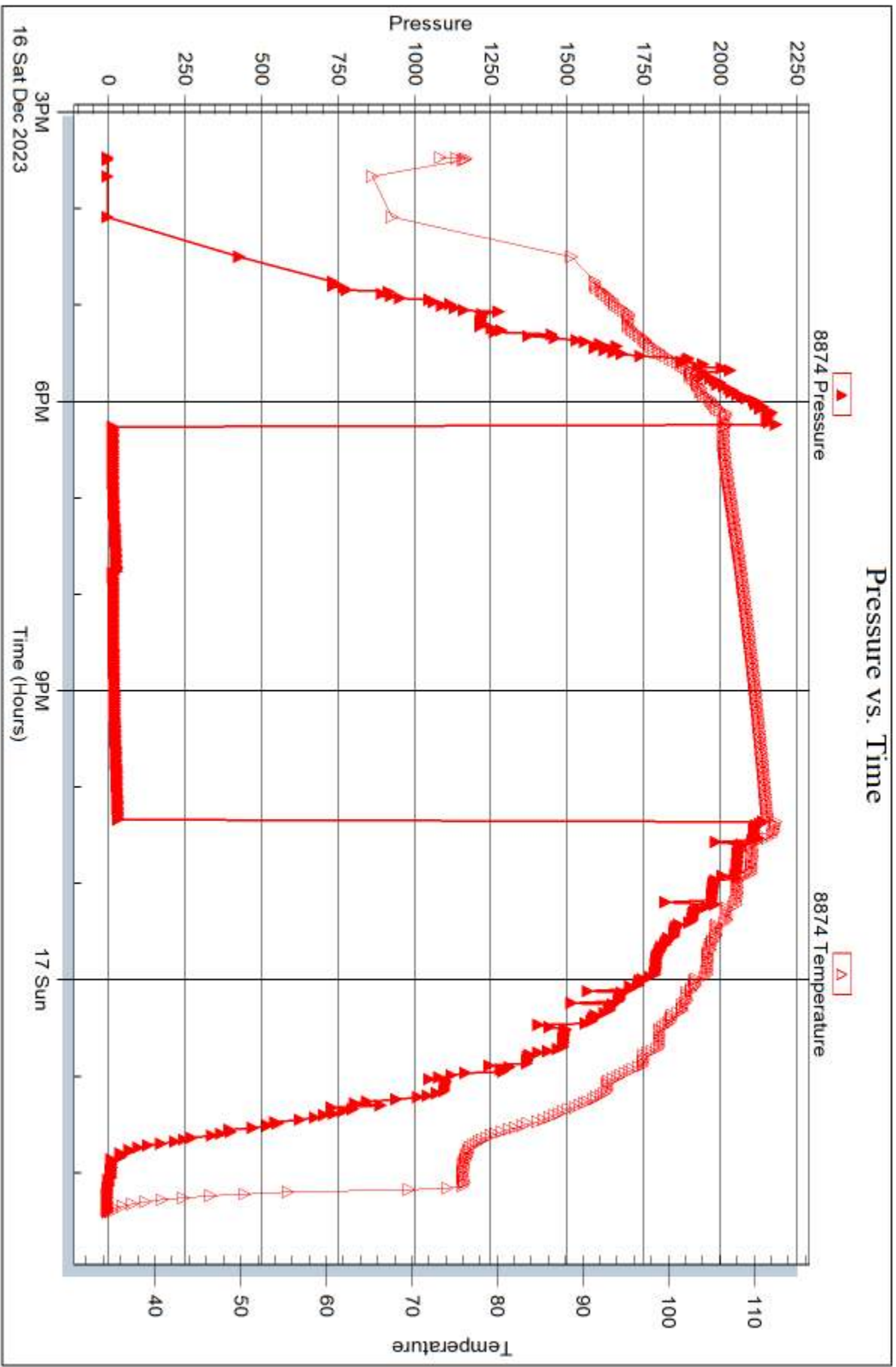


Serial #: 8874

Outside Raydon Exploration, Inc.

Breyfogle #1-3

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 71728

Printed: 2023.12.21 @ 13:49:28



DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration, Inc.**

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118

ATTN: Ed Grieves

Breyfogle #1-3

3-21s-31w Finney.KS

Start Date: 2023.12.18 @ 12:59:00

End Date: 2023.12.18 @ 21:54:15

Job Ticket #: 71729 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.12.21 @ 13:46:45



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71729

DST#: 2

Test Start: 2023.12.18 @ 12:59:00

GENERAL INFORMATION:

Formation: **Atoka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:50:00

Time Test Ended: 21:54:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: 4636.00 ft (KB) To 4647.00 ft (KB) (TVD)

Reference Elevations: 2898.00 ft (KB)

Total Depth: 4647.00 ft (KB) (TVD)

2886.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8319

Inside

Press@RunDepth: 42.95 psig @ 4637.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.12.18

End Date: 2023.12.18

Last Calib.: 2023.12.18

Start Time: 12:59:05

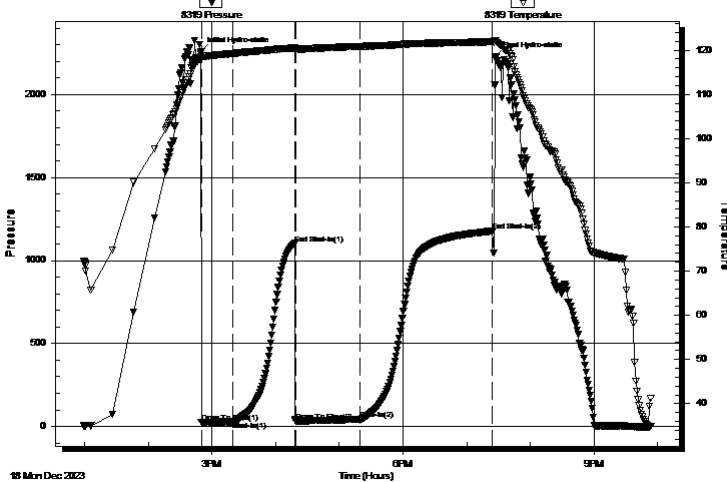
End Time: 21:54:15

Time On Btm: 2023.12.18 @ 14:49:45

Time Off Btm: 2023.12.18 @ 19:27:15

TEST COMMENT: IF: 2" blow.
IS: No return.
FF: 6 1/2" blow.
FS: No return. 30-60-60-120

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2259.88	118.62	Initial Hydro-static
1	24.57	118.15	Open To Flow (1)
31	29.22	119.26	Shut-In(1)
89	1102.18	120.48	End Shut-In(1)
89	29.94	120.29	Open To Flow (2)
150	42.95	120.84	Shut-In(2)
275	1177.10	121.89	End Shut-In(2)
278	2228.71	122.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mco 10m 90o	0.30
0.00	120' GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71729

DST#: 2

Test Start: 2023.12.18 @ 12:59:00

GENERAL INFORMATION:

Formation: **Atoka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:50:00

Time Test Ended: 21:54:15

Interval: 4636.00 ft (KB) To 4647.00 ft (KB) (TVD)

Total Depth: 4647.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Reference Elevations: 2898.00 ft (KB)

2886.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8874 Outside

Press@RunDepth: psig @ 4637.00 ft (KB)

Start Date: 2023.12.18

End Date:

2023.12.18

Start Time: 12:59:05

End Time:

21:54:15

Capacity: 8000.00 psig

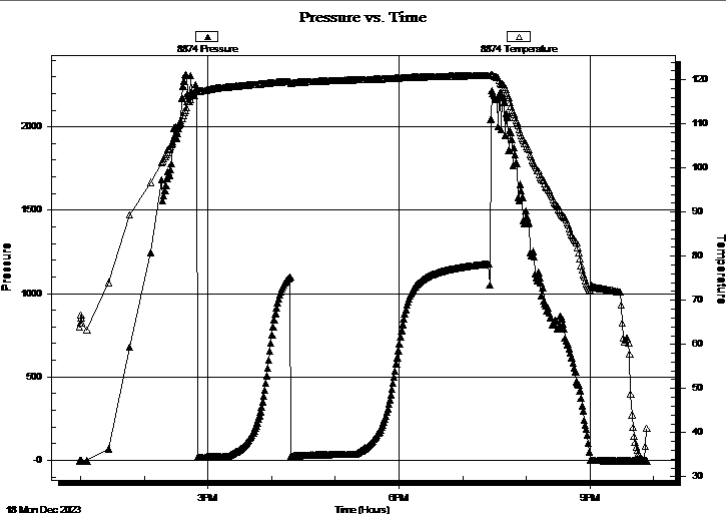
Last Calib.:

2023.12.18

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 2" blow.
IS: No return.
FF: 6 1/2" blow.
FS: No return. 30-60-60-120



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mco 10m 90o	0.30
0.00	120' GIP	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71729

DST#: 2

Test Start: 2023.12.18 @ 12:59:00

Tool Information

Drill Pipe:	Length: 4496.00 ft	Diameter: 3.80 inches	Volume: 63.07 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4636.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4607.00	
Shut In Tool	5.00			4612.00	
Hydraulic tool	5.00			4617.00	
Jars	5.00			4622.00	
EM Tool	3.00			4625.00	
Safety Joint	2.00			4627.00	
Packer	5.00			4632.00	30.00 Bottom Of Top Packer
Packer	4.00			4636.00	
Stubb	1.00			4637.00	
Recorder	0.00	8319	Inside	4637.00	
Recorder	0.00	8874	Outside	4637.00	
Perforations	7.00			4644.00	
Bullnose	3.00			4647.00	11.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71729

DST#: 2

Test Start: 2023.12.18 @ 12:59:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 6.19 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

24 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mco 10m 90o	0.295
0.00	120' GIP	0.000

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

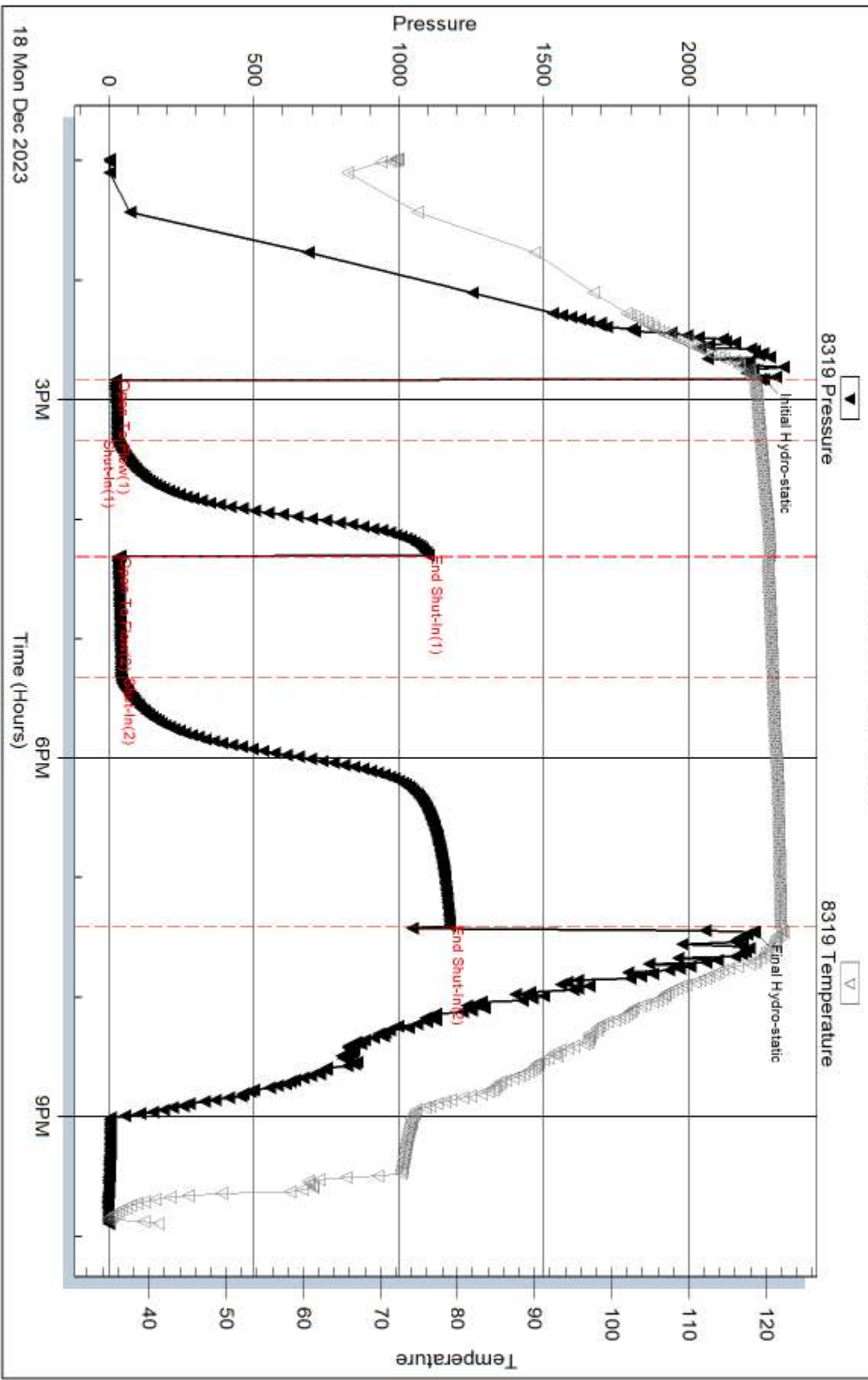
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

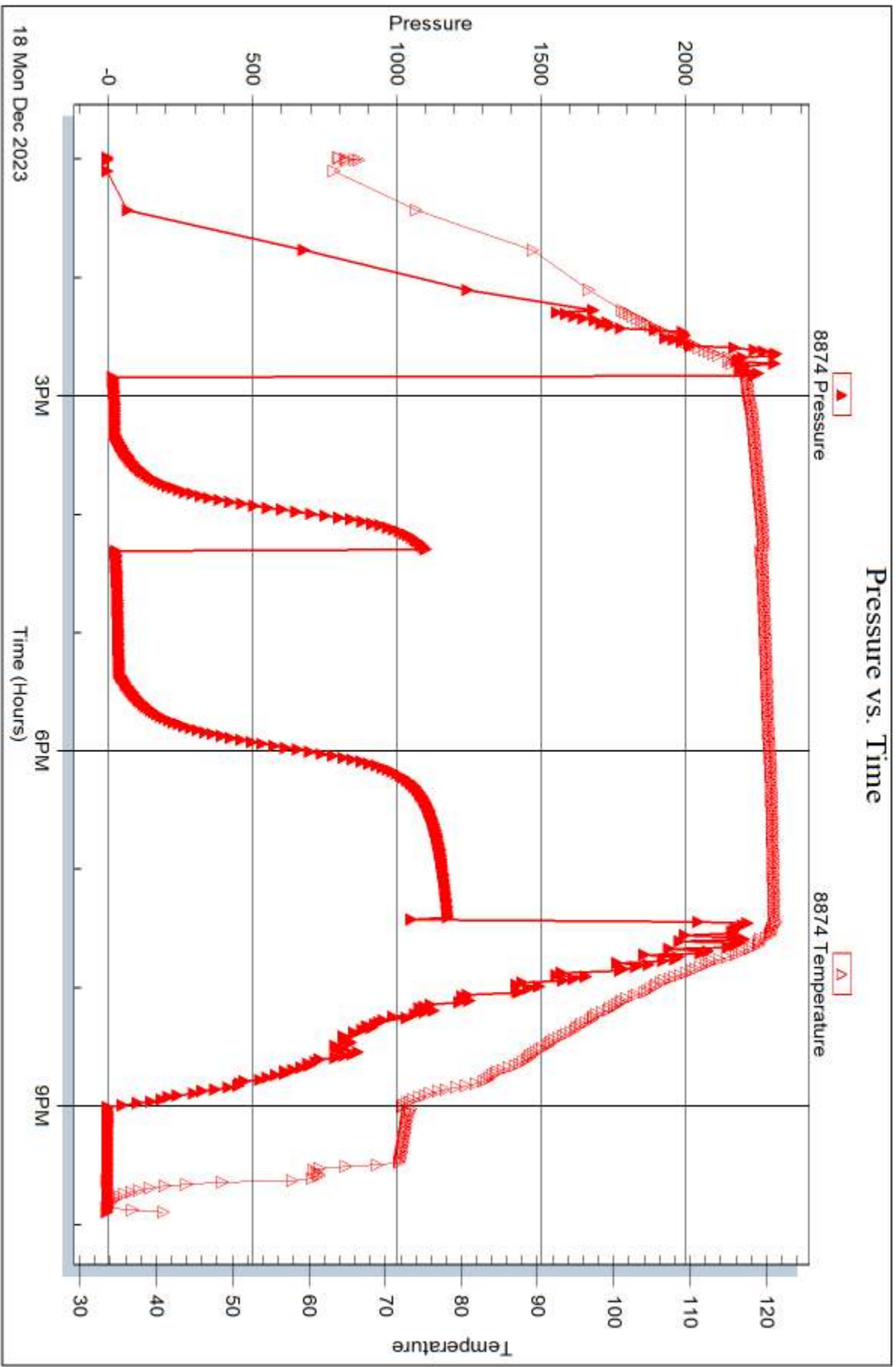


Serial #: 8874

Outside Raydon Exploration, Inc.

Breyfogle #1-3

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 71729

Printed: 2023.12.21 @ 13:46:46



DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration, Inc.**

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118

ATTN: Ed Grieves

Breyfogle #1-3

3-21s-31w Finney.KS

Start Date: 2023.12.19 @ 11:57:00

End Date: 2023.12.19 @ 21:08:30

Job Ticket #: 71730 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.12.21 @ 11:15:08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71730

DST#: 3

Test Start: 2023.12.19 @ 11:57:00

GENERAL INFORMATION:

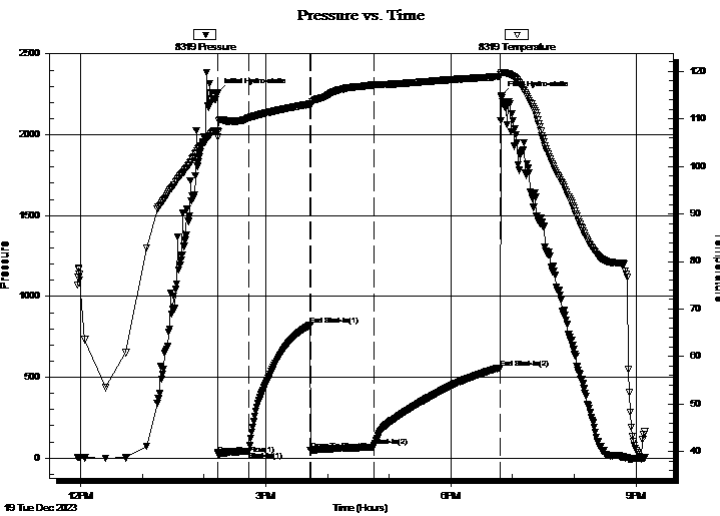
Formation: **St Louis A**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:13:45
 Time Test Ended: 21:08:30
 Interval: **4660.00 ft (KB) To 4670.00 ft (KB) (TVD)**
 Total Depth: 4670.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 85
 Reference Elevations: 2898.00 ft (KB)
 2886.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8319

Inside

Press@RunDepth: 74.62 psig @ 4661.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.12.19 End Date: 2023.12.19 Last Calib.: 2023.12.19
 Start Time: 11:57:05 End Time: 21:08:30 Time On Btm: 2023.12.19 @ 14:13:00
 Time Off Btm: 2023.12.19 @ 18:49:15

TEST COMMENT: IF: 1 1/2" blow ;
 IS: No return.
 FF: 1/2" blow .
 FS: No return. 30-60-60-120



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2258.18	107.51	Initial Hydro-static
1	25.19	107.35	Open To Flow (1)
31	43.04	110.23	Shut-In(1)
91	822.70	113.10	End Shut-In(1)
91	47.02	112.81	Open To Flow (2)
153	74.62	117.17	Shut-In(2)
275	557.94	118.89	End Shut-In(2)
277	2241.40	119.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	mcw 25m 75w	0.39
0.00	oil spots	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71730

DST#: 3

Test Start: 2023.12.19 @ 11:57:00

GENERAL INFORMATION:

Formation: **St Louis A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:13:45

Time Test Ended: 21:08:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: 4660.00 ft (KB) To 4670.00 ft (KB) (TVD)

Total Depth: 4670.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2898.00 ft (KB)

2886.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8874 **Outside**

Press@RunDepth: psig @ 4661.00 ft (KB)

Start Date: 2023.12.19

End Date: 2023.12.19

Start Time: 11:57:05

End Time: 21:08:15

Capacity: 8000.00 psig

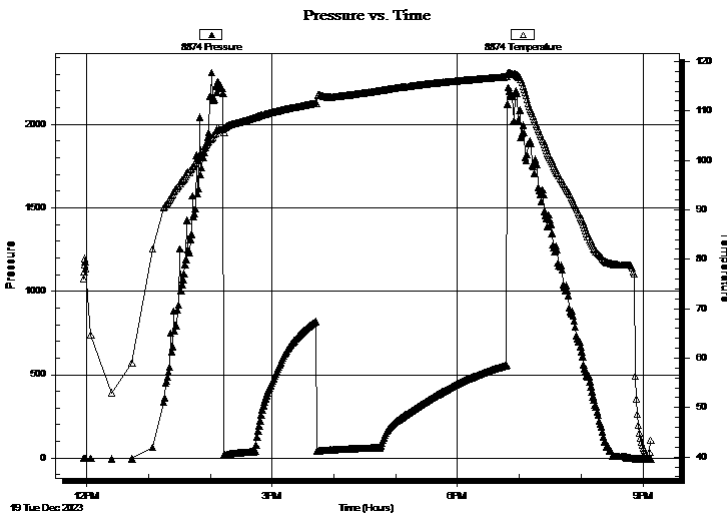
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1 1/2" blow ;
IS: No return.
FF: 1/2" blow .
FS: No return. 30-60-60-120

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
80.00	mcw 25m 75w	0.39
0.00	oil spots	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71730

DST#: 3

Test Start: 2023.12.19 @ 11:57:00

Tool Information

Drill Pipe:	Length: 4527.00 ft	Diameter: 3.80 inches	Volume: 63.50 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 64.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4660.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4631.00	
Shut In Tool	5.00			4636.00	
Hydraulic tool	5.00			4641.00	
Jars	5.00			4646.00	
EM Tool	3.00			4649.00	
Safety Joint	2.00			4651.00	
Packer	5.00			4656.00	30.00 Bottom Of Top Packer
Packer	4.00			4660.00	
Stubb	1.00			4661.00	
Recorder	0.00	8319	Inside	4661.00	
Recorder	0.00	8874	Outside	4661.00	
Perforations	6.00			4667.00	
Bullnose	3.00			4670.00	10.00 Bottom Packers & Anchor

Total Tool Length: 40.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration, Inc.

3-21s-31w Finney.KS

1601 NW Expressway
Ste 1300
Oklahoma City, OK 73118
ATTN: Ed Grieves

Breyfogle #1-3

Job Ticket: 71730

DST#: 3

Test Start: 2023.12.19 @ 11:57:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

23000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	mcw 25m 75w	0.393
0.00	oil spots	0.000

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

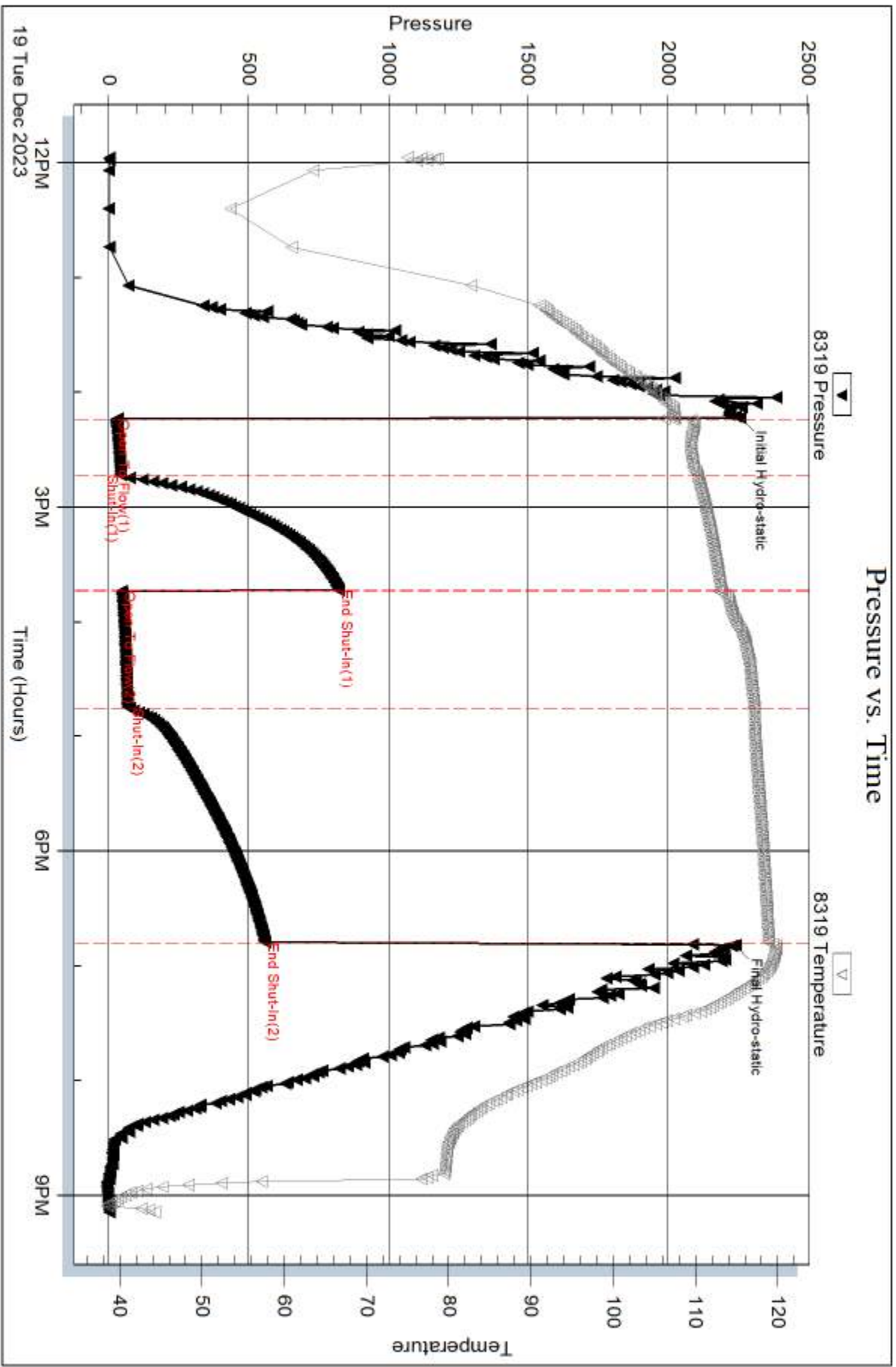
Num Gas Bombs: 0

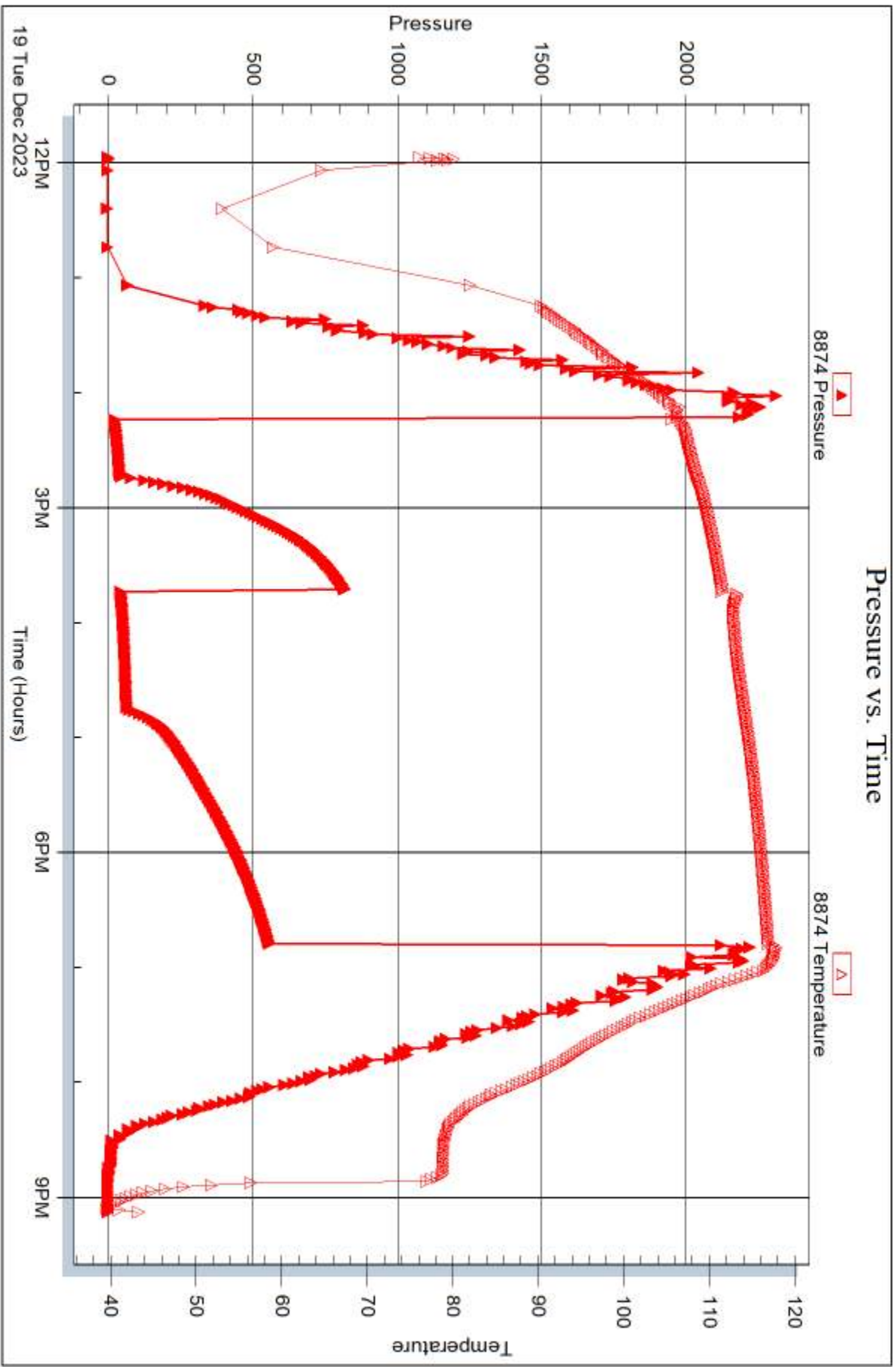
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .349 @ 62F = 23000ppm







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71728

Well Name & No. Breyfogle 1-3 Test No. 1 Date 12/17/2023
 Company Raydon Exploration Inc. Elevation 2898 KB 2886 GL
 Address 1601 NW Expressway Ste 1300 Oklahoma City, OK 73118
 Co. Rep / Geo Ed Grieser Rig Fossil
 Location: Sec. 3 Twp 21S Rge. 31W Co. Finney State Ks

Interval Tested 4531 - 4560 Zone Tested FT Scott
 Anchor Length 29 Drill Pipe Run 4399 Mud Wt. 9.0
 Top Packer Depth 4526 Drill Collars Run 120 Vis 48
 Bottom Packer Depth 4531 Wt. Pipe Run — WL 6.8
 Total Depth 4560 Chlorides 2,000 ppm System LCM 7#

Blow Description IF 1/4" blow receded to surface
IST No return
FF No blow
FST No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>mud</u>			<u>100</u>	
	<u>oil spots</u>				

Rec Total 3 BHT 113 Gravity — API RW — @ — F Chlorides — ppm
 Initial Hydrostatic 2196 Test 1950 Ruined Shale Packer
 Initial Flow 21 to 21 Jars 300 Ruined Packer
 Initial Shut-In 28 Circ Sub Hotel
 Final Flow 22 to 22 Hourly Standby 2.25h 225 EM Tool Successful yes
 Final Shut-In 31 Mileage 54 RT 94.50 Accessibility
 Final Hydrostatic 2149 Sampler Gas Sample
 T- On Location 12:45 12/16 Straddle Oversized Hole
 Initial Flow T-Started 1529 Shale Packer 250 Sub Total 0
 Initial Shut-In T-Open 1815 Extra Packer Total 2819.50
 Final Flow T-Pulled 2215 Extra Recorder Tool Loaded @
 Final Shut-In T-Out 0225 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71729

Well Name & No. Breyfoyle 1-3 Test No. 2 Date 12/18/2023
 Company Raydon Exploration Inc Elevation 2898 KB 2886 GL
 Address Oklahoma City, OK
 Co. Rep / Geo Ed Griener Rig Fossil 3
 Location: Sec. 3 Twp 21S Rge. 31W Co. Finney State KS

Interval Tested 4636-4647 Zone Tested Aluka
 Anchor Length 11' Drill Pipe Run 4496 Mud Wt. 89
 Top Packer Depth 4631 Drill Collars Run 120 Vis 59
 Bottom Packer Depth 4636 Wt. Pipe Run _____ WL 6.2
 Total Depth 4647 Chlorides 2,000 ppm System LCM 8#
 Blow Description IF 2' blow
ISI No return
FF Surge to 4" - built to 6 1/2" blow.
FSI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>MCO</u>	<u>90</u>		<u>10</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 60 BHT 122 Gravity 24 API RW _____ @ _____ *F Chlorides _____ ppm
 Initial Hydrostatic 2259 Test 1950 Ruined Shale Packer _____
 Initial Flow 24 to 29 Jars 300 Ruined Packer _____
 Initial Shut-In 1102 Circ Sub _____ Hotel _____
 Final Flow 29 to 42 Hourly Standby 2 1h 100 EM Tool Successful NO -350
 Final Shut-In 1177 Mileage 54 X2 (1) Accessibility _____
 Final Hydrostatic 2228 Sampler 94.50 + 94.50 Gas Sample _____
 T- On Location 1315 Straddle _____ Oversized Hole _____
 Initial Flow 30 T-Started 1329 Shale Packer 250 Sub Total -350
 Initial Shut-In 60 T-Open 1449 Extra Packer _____ Total 2439
 Final Flow 60 T-Pulled 1919 Extra Recorder _____ Tool Loaded _____ @ _____
 Final Shut-In 120 T-Out 2154 Day Standby _____ MP/DST Disc't _____

Comments ① big brake down coming out of hole 12/17

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71730

Well Name & No. Breyfoyle 1-3 Test No. 3 Date 12/19/2023
 Company Raydon Exploration, Inc Elevation 2898 KB 2888 GL
 Address Oklahoma City, Ok
 Co. Rep / Geo Ed Grieres Rig Fossil 3
 Location: Sec. 3 Twp 21S Rge. 31W Co. Finney State OK

Interval Tested 4660-4670 Zone Tested St Louis A
 Anchor Length 10' Drill Pipe Run 4527 Mud Wt. 8.8
 Top Packer Depth 4655 Drill Collars Run 120 Vis SS
 Bottom Packer Depth 4660 Wt. Pipe Run - WL 6.0
 Total Depth 4670 Chlorides 2,000 ppm System LCM 7#
 Blow Description IF 1 1/2" blow
ISI No return
FF 1/2" blow
FSE No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>mcw</u>			<u>75</u>	<u>25</u>
	<u>oil spots</u>				

Rec Total 80 BHT 120 Gravity - API RW 1349 @ 62 °F Chlorides 23,000 ppm
 Initial Hydrostatic 2254 Test 1950 Ruined Shale Packer
 Initial Flow 25 to 43 Jars 300 Ruined Packer
 Initial Shut-In 822 Circ Sub Hotel
 Final Flow 47 to 74 Hourly Standby SEM Tool Successful 110 -350
 Final Shut-In 557 Mileage 94.50 + 94.50 Accessibility
 Final Hydrostatic 2241 Sampler Gas Sample
 T-On Location 1130 Straddle Oversized Hole
 Initial Flow 30 T-Started 1159 Shale Packer 250 Sub Total -350
 Initial Shut-In 60 T-Open 1414 Extra Packer Total 2339
 Final Flow 60 T-Pulled 1844 Extra Recorder Tool Loaded 2030 @ 12/20
 Final Shut-In 120 T-Out 2108 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative [Signature]

TriLOBITE Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

**QUASAR ENERGY SERVICES, INC.**

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

Form 185-2N.2

12/9/23

CEMENTING JOB LOG

CEMENTING JOB LOG

Company: Raydon Exploration, Inc.		Well Name: Breyfogle 1-3			
Type Job: SURFACE		AFE #:			
CASING DATA					
Size:	8 5/8	Grade:		Weight:	24
Casing Depths	Top:	Bottom:	350		
Tubing:	Size:	Weight:		Retainer:	
Open Hole:	Size: 12 1/4	T.D. (ft):	355	Hole:	
CEMENT DATA					
Spacer Type:					
Amt.		Sks Yield	0	ft³/sk	Density (PPG)
LEAD:					Excess
Amt.		Sks Yield	0	ft³/sk	Density (PPG)
TAIL:	Class A: 1% SMS., 2% Calcium Chloride, 1/4# Celloflake				Excess
Amt.	210	Sks Yield	329.7	ft³/sk	1.57
Density (PPG)	13.95				
WATER:					
Lead:		gals/sk:		Tail: 210	gals/sk: 8
		Total (bbls):	40.0		
Pump Trucks Used:	04, DP03				
Bulk Equipment:	134, 660-38				
Disp. Fluid Type:	Water	Amt. (Bbls.)	19.5	Weight (PPG):	8.3
COMPANY REPRESENTATIVE:			CEMENTER: Daniel Beck		

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
	Casing	Tubing	ANNULUS	TOTAL	RATE	
1:00						ON LOCATION & SAFETY MEETING
						RIG UP
4:46						RIG TO CIRCULATE
5:01						RIG TO PT
5:05						PRESSURE TEST TO 1500PSI
5:11	250			58.7slurry	4.0	PUMP 210SX TAIL @ 13.9#
5:30						SHUTDOWN / DROP PLUG
5:34	400			10	4.0	DISPLACE / CEMENT TO SURFACE
	400			15	4.0	SLOW RATE TO 2.0BPM @ 200PSI
5:42	300			19.5	2.0	LAND PLUG / PRESSURE UP TO 1150PSI
5:44						RELEASE BACK --- FLOAT HELD
						JOB COMPLETE
Company:	Raydon Exploration, Inc.			Well Name: Breyfogle 1-3		
Type Job:	SURFACE			AFE #:		
Date:	12/9/2023	CEMENTING JOB LOG		QUASAR ENERGY SERVICES, INC. 185-2		