

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	Woolsey Operating Company, LLC
Well Name	PARKER 1
Doc ID	1522048

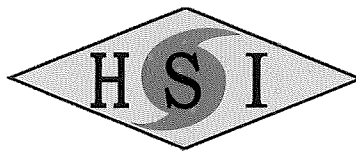
All Electric Logs Run

Compensated Density/Neutron PE
Dual Induction
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	PARKER 1
Doc ID	1522048

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	54	66	60/40	150	see cement ticket
Surface	12.25	8.625	23	310	60/40	310	see cement ticket
Production	7.875	5.5	15.5	3784	60/40	50	see cement ticket
Production	7.875	5.5	15.5	3784	CLASS A	125	see cement ticket



CEMENT TREATMENT REPORT

Customer: WOOLSEY OPERATING	Well: PARKER #1	Ticket: ICT 3425
City, State:	County: SUMNER, KS	Date: 3/17/2020
Field Rep: alan dick	S-T-R: 26-30S-01E	Service: 5 1/2" LONGSTRING

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	ft
Casing Size:	5 1/2 in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	89.0 bbls

Calculated Slurry	
Weight:	15 # / sx
Water / Sx:	5.92 gal / sx
Yield:	1.49 ft³ / sx
Bbls / Ft.:	
Depth:	ft
Annular Volume:	bbls
Excess:	
Total Slurry:	45.0 bbls
Total Sacks:	125 sx

Product	% / #	#
Class A		
Poz		
Gel		
CaCl		
Gypsum		
Metso		
Kol Seal		
Flo Seal		
Salt (bww)		
Total		-

TIME	RATE	PSI	BBLs	REMARKS
5:00PM				ON LOCATION
9:30PM				RUN 5 1/2" CSG
9:30PM				TURBOLIZERS-- 1-2-3-4-5-11-12-13-14-15
9:30PM				SCRATCHERS-- 2-3-4-12-13 (3 SCRATCHERS ON EACH JOINT)
12:00AM				CSG ON BOTTOM
12:15AM				HOOK UP TO CSG- BREAK CIRC. WITH RIG PUMP
1:15AM	5.0	300.0	10.0	H2o AHEAD
1:17AM	5.0	300.0	12.0	MIX 50 SKS SCAVENGER CMT 13 PPG
1:20AM	5.0	300.0	33.0	MIX 125 SKS CLASS H CMT WITH ADDITIVES @ 15 PPG
1:40AM				SHUT DOWN- CLEAR PUMP AND LINES- DROP LATCH DOWN PLUG
1:50AM	6.0	-	-	START DISPLACEMENT
2:00AM	5.0	200.0	68.0	LIFT PRESSURE
2:06AM	4.0	400.0	75.0	SLOW RATE
2:15AM	3.0	1,500.0	89.0	PLUG DOWN- HELD
				CIRCULATION THRU JOB
			7.0	PLUG RATHOLE WITH H PLUG CEMENT
				JOB COMPLETE
				THANKS!

CREW		UNIT	SUMMARY		
Cementer:	LESLEY	75	Average Rate	Average Pressure	Total Fluid
Pump Operator:	OSBOURNE	524-322	4.71429 bpm	429 psi	294 bbls
Bulk #1:	EJ McGRAW	182-256			
Bulk #2:					



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Woolsey Operating, Co. LLC

26/30S/1E Sumner KS

125 North Market
Suite 1000
Wichita, KS. 67202-1729
ATTN: Dean Pattisson/Blake

Parker B #1

Job Ticket: 66602

DST#: 1

Test Start: 2020.03.14 @ 01:07:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:07:20

Time Test Ended: 08:54:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: 3260.00 ft (KB) To 3277.00 ft (KB) (TVD)

Reference Elevations: 1219.00 ft (KB)

Total Depth: 3277.00 ft (KB) (TVD)

1214.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369 Outside

Press@RunDepth: 98.50 psig @ 3261.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.03.14

End Date: 2020.03.14

Last Calib.: 1899.12.30

Start Time: 01:07:01

End Time: 08:54:30

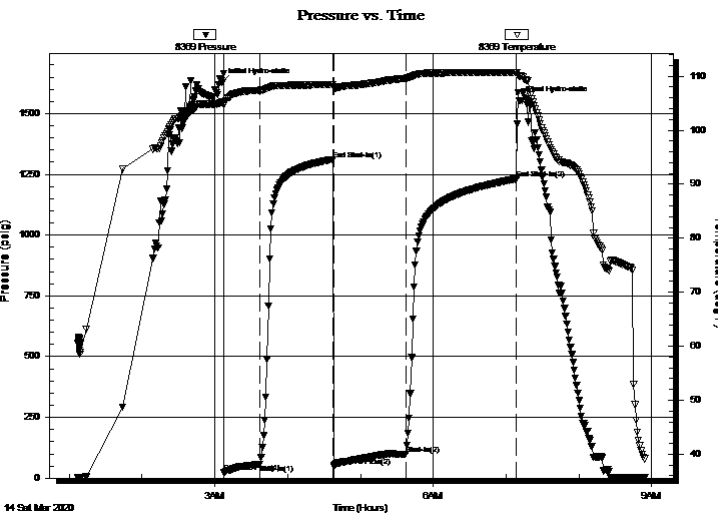
Time On Btm: 2020.03.14 @ 03:06:00

Time Off Btm: 2020.03.14 @ 07:12:00

TEST COMMENT: IF - Weak blow building to strong blow 8 minutes into initial flow period. Continuing to build to 107 inches.

IS - 1/2 inch blow back during initial shut-in period.

FF - Strong blow throughout final flow period. Allowed to build to 250+ the bled off to check for gas. Gas to surface 55 minutes into final flow period. Too small of flow to gauge.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.04	105.24	Initial Hydro-static
2	22.43	104.69	Open To Flow (1)
32	57.64	107.39	Shut-In(1)
92	1311.23	108.51	End Shut-In(1)
93	49.48	107.87	Open To Flow (2)
152	98.50	109.61	Shut-In(2)
243	1231.38	110.69	End Shut-In(2)
246	1553.10	110.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
255.00	GMCO 28%G 47%O & 25%M	2.50
60.00	Clean Oil 100% O	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating, Co. LLC

26/30S/1E Sumner KS

125 North Market
Suite 1000
Wichita, KS. 67202-1729
ATTN: Dean Pattisson/Blake

Parker B #1

Job Ticket: 66602

DST#: 1

Test Start: 2020.03.14 @ 01:07:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 59.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 2300.00 ppm
Filter Cake: inches

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

Oil API: 37.6 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
255.00	GMCO 28%G 47%O & 25%M	2.502
60.00	Clean Oil 100% O	0.842

Total Length: 315.00 ft Total Volume: 3.344 bbl

Num Fluid Samples: 0

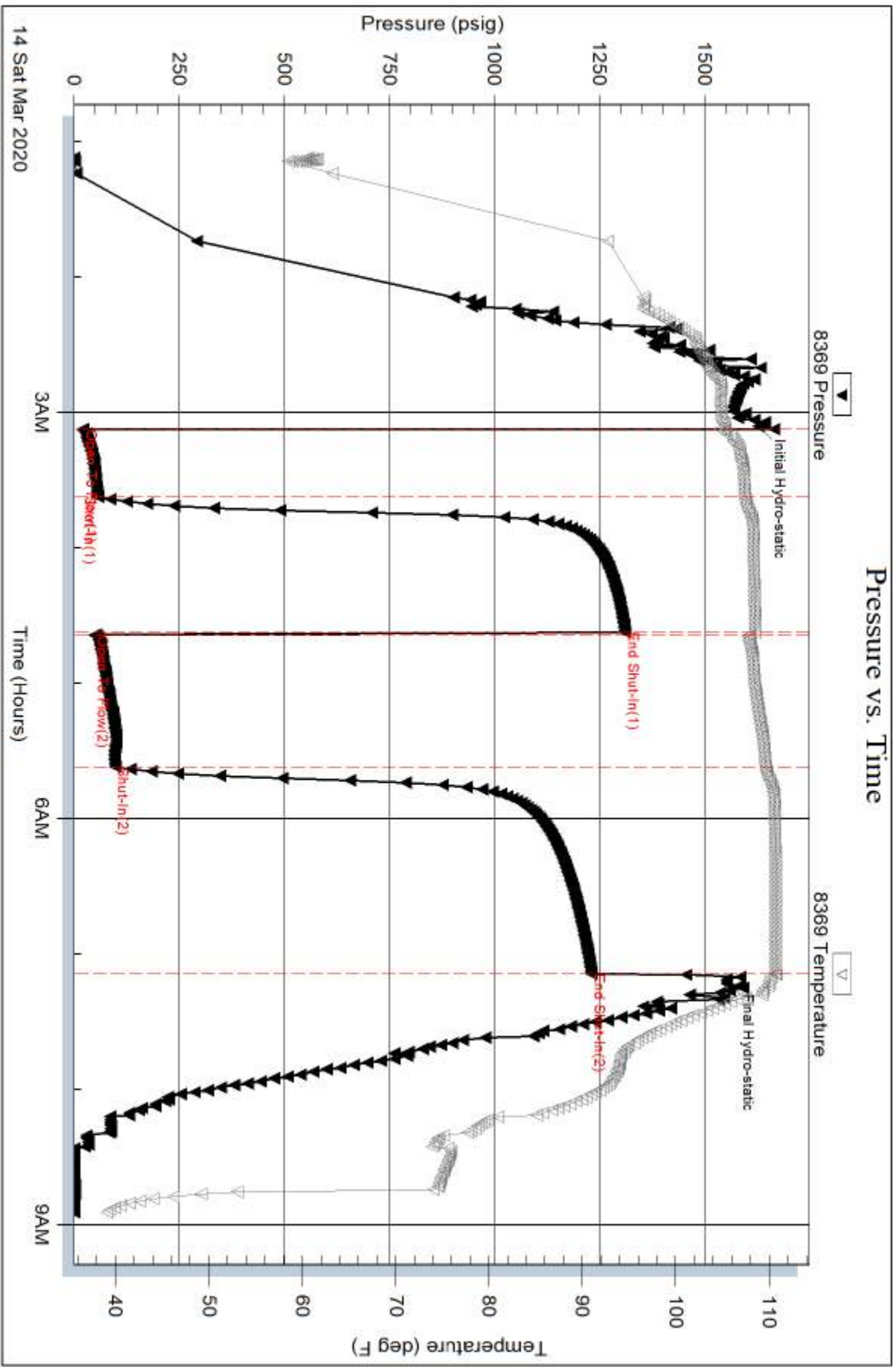
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



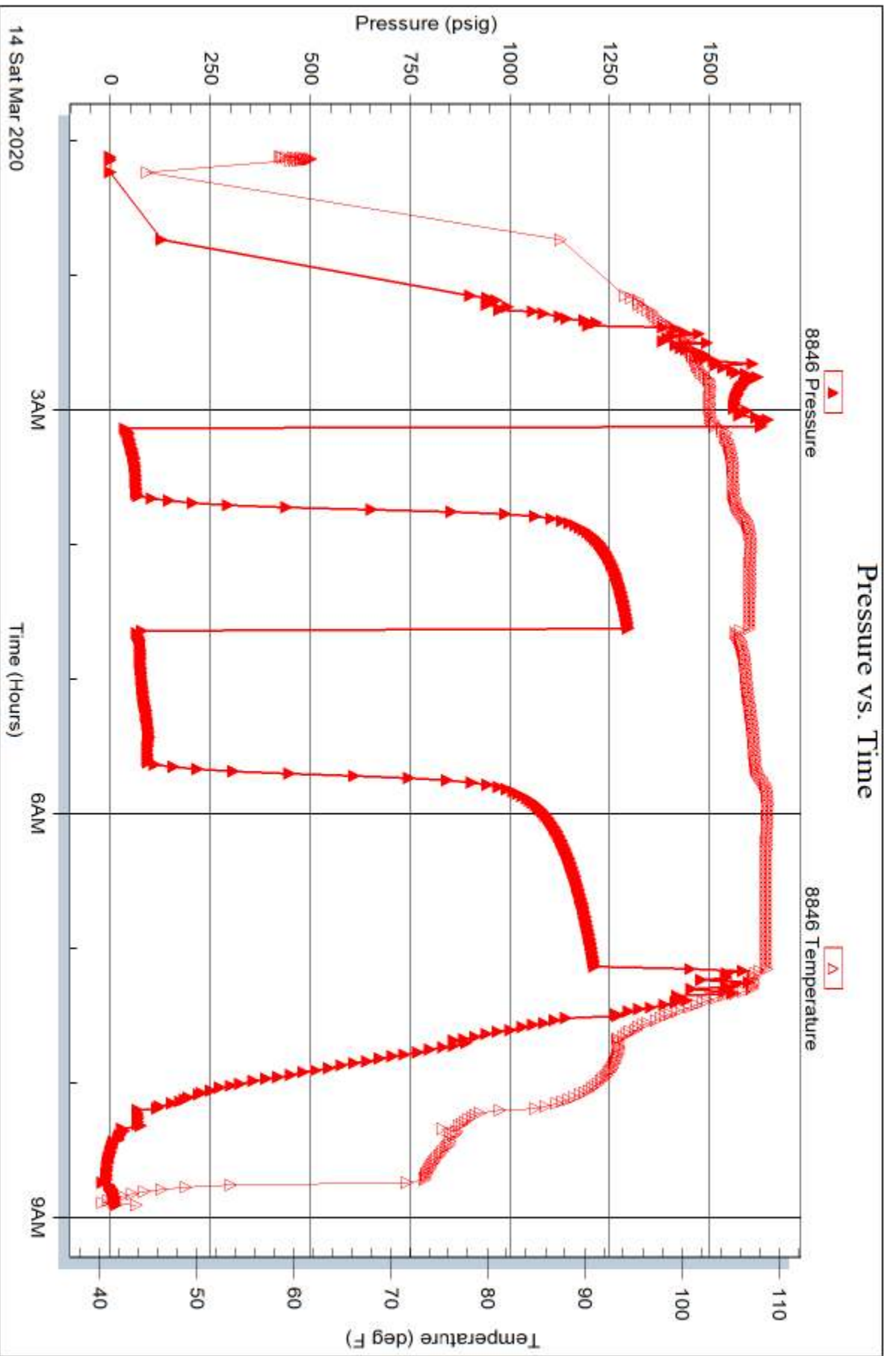
Serial #: 8846

Inside

Woodsey Operating, Co. LLC

Parker B#1

DST Test Number: 1

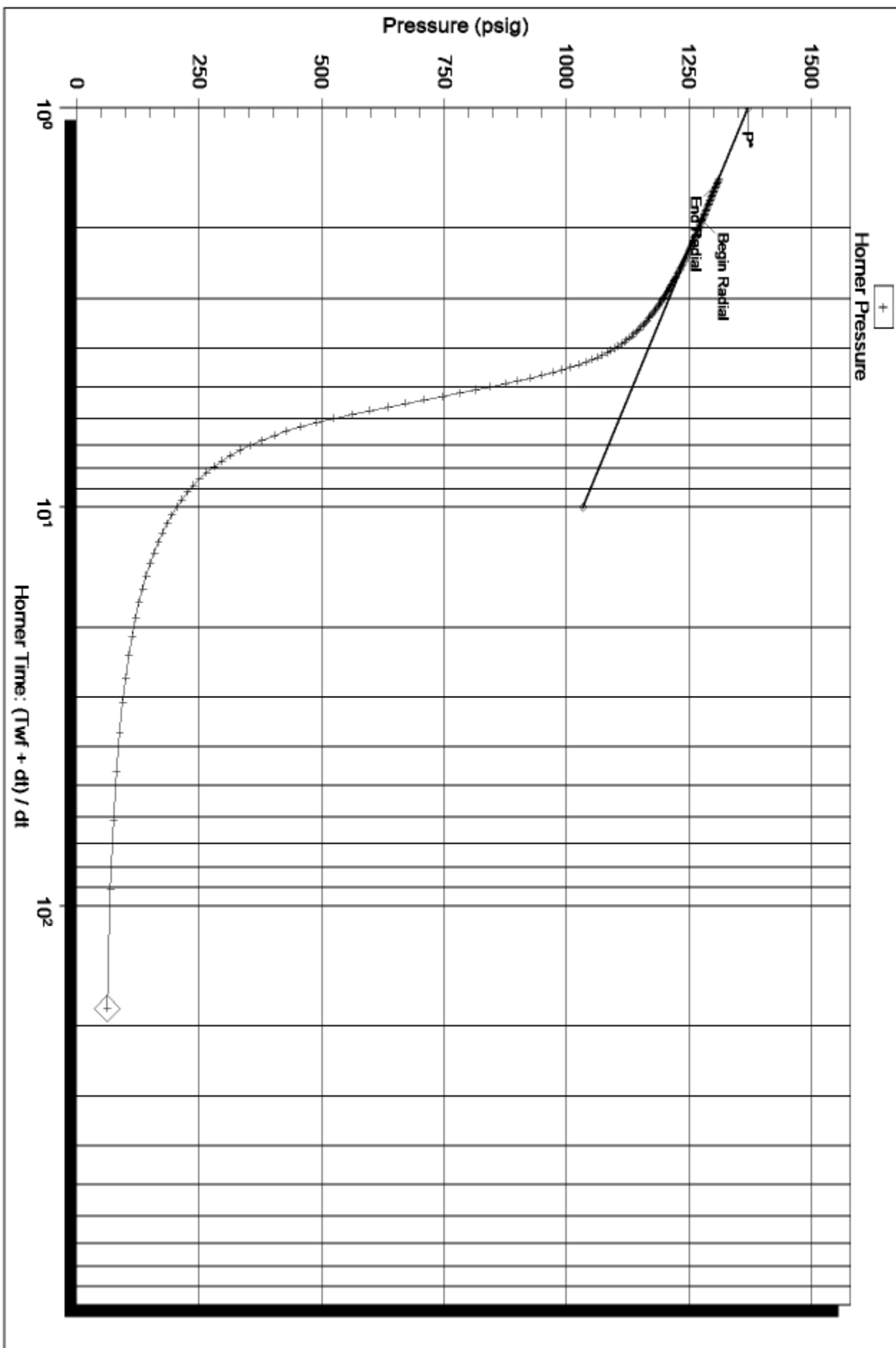


Trilobite Testing, Inc

Ref. No: 66602

Printed: 2020.03.14 @ 10:32:30

Horner Plot



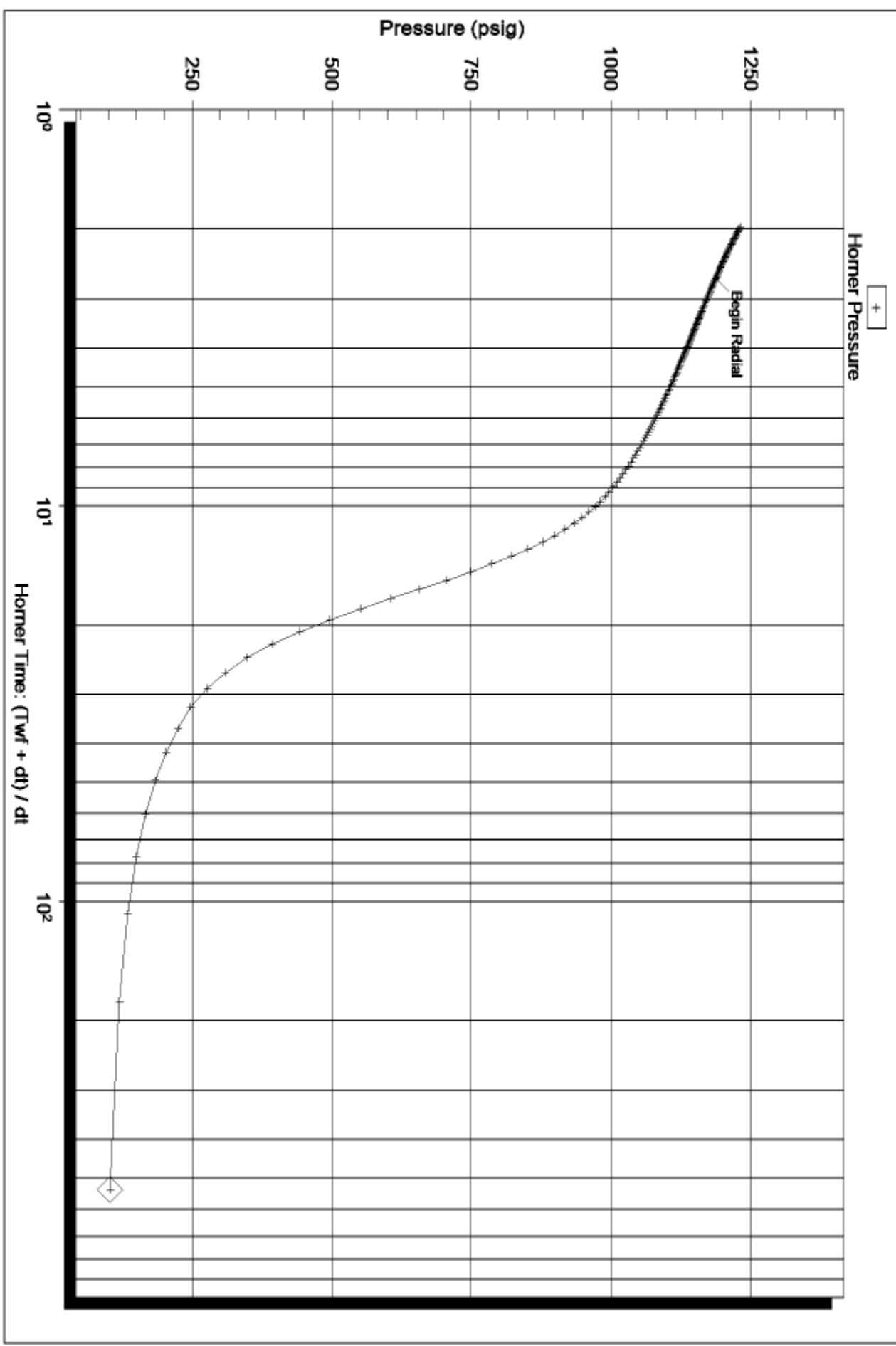
Serial Number: 8369 (Outside)

P* : 1370.37

Slope (m) : 336.00 kpa/log cycle

Flow Cycle: 1

Horner Plot



Serial Number: 8369 (Outside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 2



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Woolsey Operating, Co. LLC
 125 North Market
 Suite 1000
 Wichita, KS. 67202-1729
 ATTN: Dean Pattisson/Blake

26/30S/1E Sumner KS

Parker B #1

Job Ticket: 66603

DST#: 2

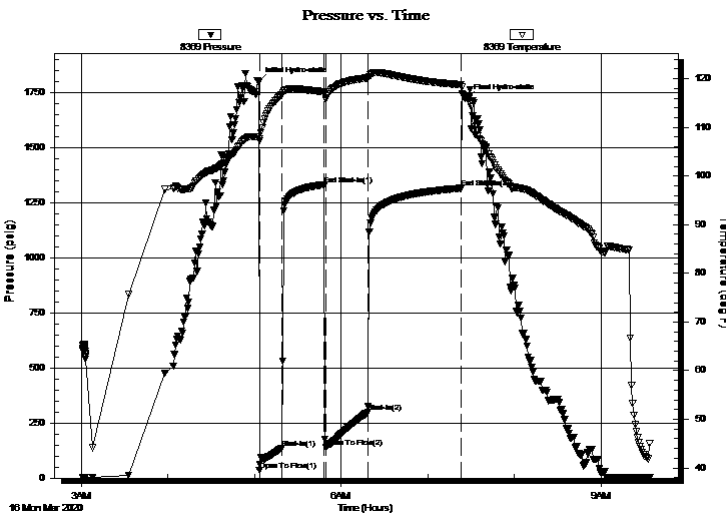
Test Start: 2020.03.16 @ 03:01:00

GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 05:03:20
 Tester: Jimmy Ricketts
 Time Test Ended: 09:33:39
 Unit No: 80
 Interval: **3632.00 ft (KB) To 3650.00 ft (KB) (TVD)**
 Reference Elevations: 1219.00 ft (KB)
 Total Depth: 3650.00 ft (KB) (TVD)
 1214.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8369 Outside
 Press@RunDepth: 299.89 psig @ 3633.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.03.16 End Date: 2020.03.16 Last Calib.: 1899.12.30
 Start Time: 03:01:01 End Time: 09:33:40 Time On Btm: 2020.03.16 @ 05:02:40
 Time Off Btm: 2020.03.16 @ 07:27:00

TEST COMMENT: IF - Weak blow building to strong blow 2 minutes into initial flow period. Continuing to build to 250+ inches.
 IS - 2 inch blow back during initial shut-in period.
 FF - Strong blow throughout final flow period. Continued to build to 200 inches, then bled off to check for gas. Gas to surface 18 minutes into final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1799.76	108.04	Initial Hydro-static
1	36.26	107.28	Open To Flow (1)
16	135.17	116.64	Shut-In(1)
46	1333.04	117.29	End Shut-In(1)
47	139.77	115.90	Open To Flow (2)
76	299.89	120.16	Shut-In(2)
141	1316.58	118.75	End Shut-In(2)
145	1722.93	116.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	GHMCO 22%G 47%O & 31%M	3.97
430.00	Gassy Oil 50%G & 50%O	6.03

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.12	24.62
Last Gas Rate	0.25	0.83	24.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating, Co. LLC

26/30S/1E Sumner KS

125 North Market
Suite 1000
Wichita, KS. 67202-1729
ATTN: Dean Pattisson/Blake

Parker B #1

Job Ticket: 66603

DST#: 2

Test Start: 2020.03.16 @ 03:01:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 2400.00 ppm
Filter Cake: inches

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

Oil API: 42 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	GHMCO 22%G 47%O & 31%M	3.975
430.00	Gassy Oil 50%G & 50%O	6.032

Total Length: 790.00 ft Total Volume: 10.007 bbl

Num Fluid Samples: 0

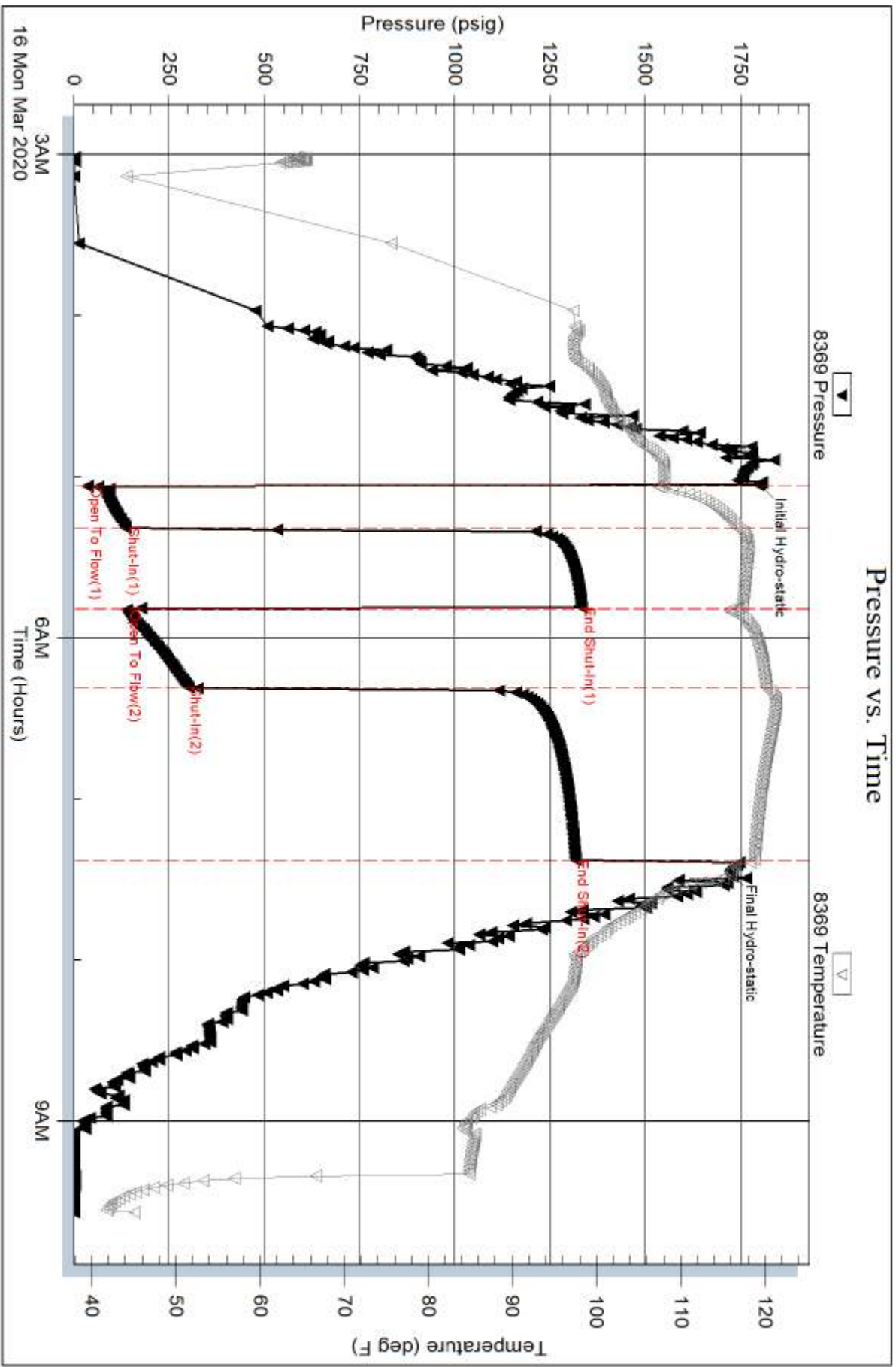
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



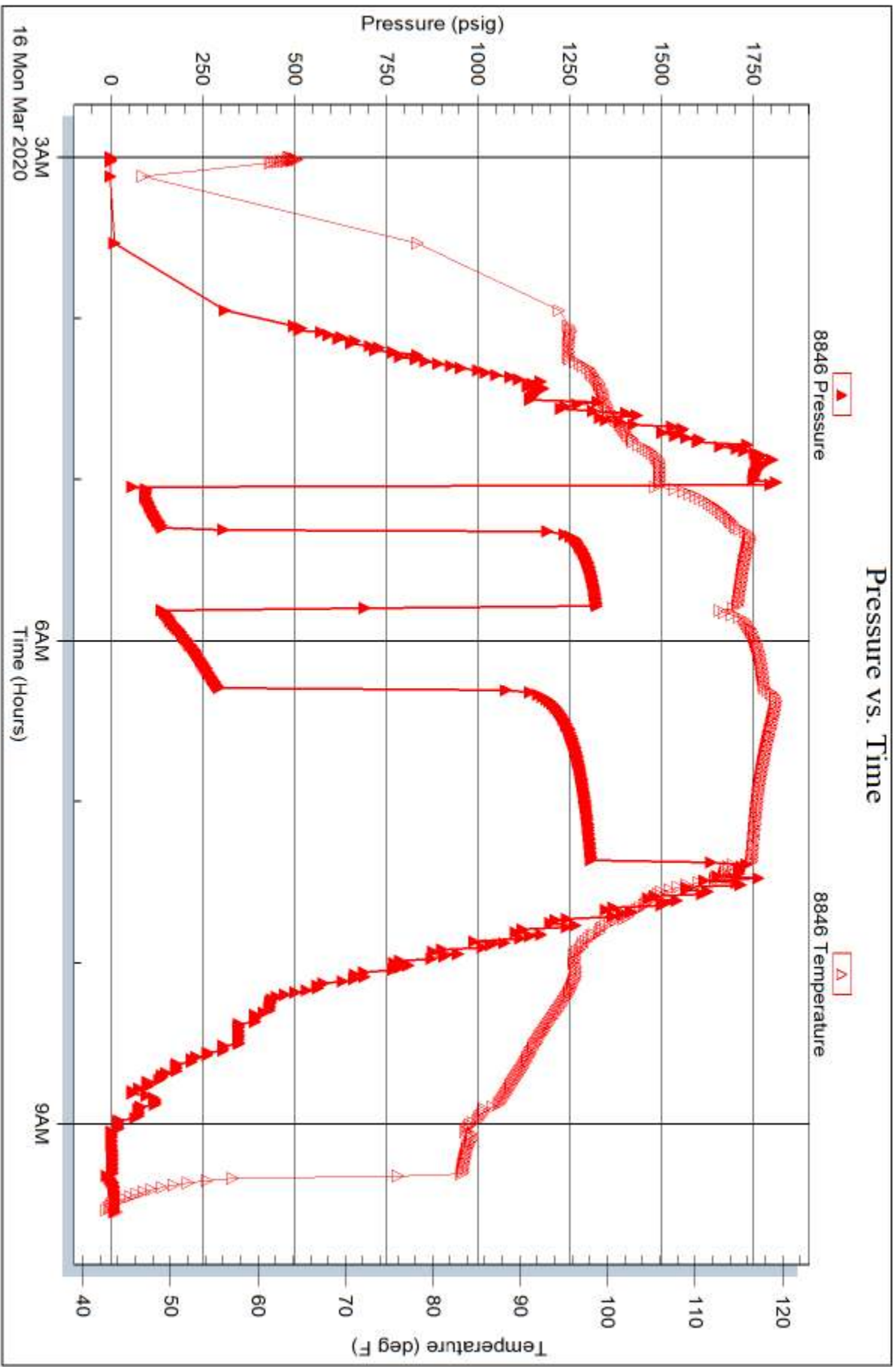
Serial #: 8846

Inside

Woodsey Operating, Co. LLC

Parker B #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 66603

Printed: 2020.03.16 @ 10:15:57



Woolsey Operating Company, LLC

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

Well Name: PARKER 1
API: 15-191-22816-00-00
Location: Section 26 - Township 30 South -Range 1 East
License Number: 33168 Region: Sumner County, Kansas
Spud Date: Drilling Completed:
Surface Coordinates: E/2 SW/4 SE/4 SE/4
330' FSL & 775' FEL
Bottom Hole
Coordinates:
Ground Elevation (ft): 1214' K.B. Elevation (ft): 1219'
Logged Interval (ft): 1000' To: 3750' Total Depth (ft): 3750'
Formation: Admire >>>> Simpson
Type of Drilling Fluid: Chemical Mud
Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Woolsey Operating Company,LLC
Address: 125 N. Market, Suite 1000
Wichita, KS 67202

GEOLOGIST

Name: Blake Miller
Company: Woolsey Operating Co. LLC
Address: 125 N. Market, Wichita Kansas, 67202

COMMENTS

Surface Casing:
Production Casing:

Deviation Surveys:
Pipe Strap @
Murfin Drilling Rig 4 Bit Record:

Gas Detector: Pason Gas System
Mud System: Mud-Co
DST

E-Logs: ELI, Dual Induction Laterolog w/SP, CNL-FDC w/PE, GR and Caliper, Sonic w/GR, *NO CASING --> NO MICRO




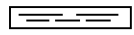
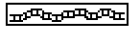



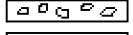

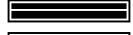

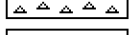
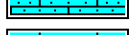
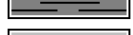



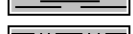













DSTs

DST #1) MS (3260-3277) 30-60-60-90, (1) WB<SB/8", (2) SB THRUOUT, GTS, REC: 60 ' CLEAN O, 255' GMCO (47%O, 28%G, 25%M), [1311-1231] FP: 22-57/49-98















































































DST #2) SIMPSON SD 3624-3640, 15-30-30-60, (1) WB<SB/2"<250"+, (2) SB THRUOUT, 430' GCO (50%O), 360' GHMCO (47%O), [1333-1317] FP: 36-135/140-300

CREWS

ROCK TYPES

 Anhy	 Shy dolo	 Slstst	 Shale 3
 Bent	 Dol	 Ss	 Silty dol
 Brec	 Gyp	 Black sh	 Dol lmst
 Cht	 Sdy lmst	 Gry sh	 Dol 2
 Clyst	 Lmst	 Shale	 Granite wash
 Coal	 Mrlst	 Shyslts	 Lmst
 Congl	 Salt	 Sltysh	 Calc dol
 Sdy dolo	 Shale	 Ss 2	 Shale 3



ACCESSORIES

MINERAL	 Chlorite	 Pelec	 Grysh
 Anhy	 Dol	 Pellet	 Gryslt
 Arg	 Sand	 Pisolite	 Lms
 Bent	 Slty	 Plant	 Sandylms
 Bit	FOSSIL	 Strom	 Sh
 Brecfrag	 Algae	 Fuss	 Slststn
 Calc	 Amph	 Oomoldic	TEXTURE
 Carb	 Belm	STRINGER	 Boundst
 Chtdk	 Bioclst	 Anhy	 Chalky
 Chtlt	 Brach	 Arg	 Cryxln
 Dol	 Bryozoa	 Bent	 Earthy
 Ferrpel	 Cephal	 Coal	 Finexln
 Ferr	 Coral	 Dol	 Grainst
 Glau	 Crin	 Gyp	 Lithogr
 Gyp	 Echin	 Ls	 Microxln
 Marl	 Fish	 Mrst	 Mudst
 Nodule	 Foram	 Slststrg	 Packst
 Phos	 Fossil	 Ssstrg	 Wackest
 Pyr	 Gastro	 Carbsh	
 Salt	 Oolite	 Clystn	
 Sandy	 Ostra	 Dol	
 Silt			

Curve Track 1

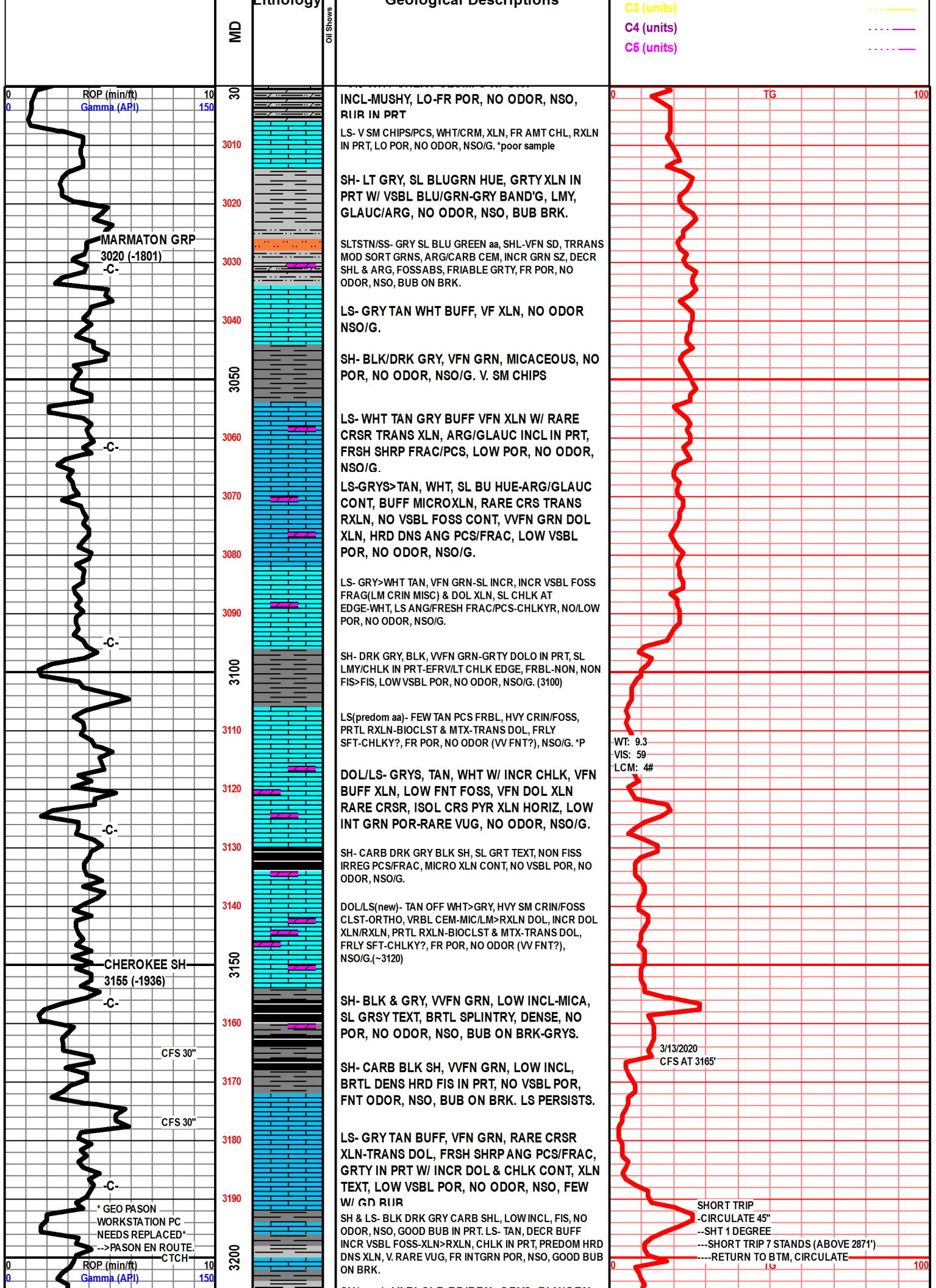
ROP (min/ft) 
 Gamma (API) 

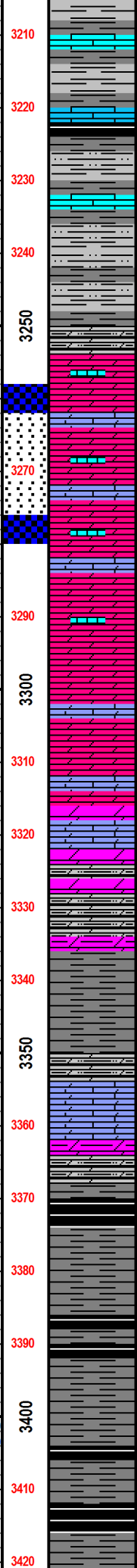
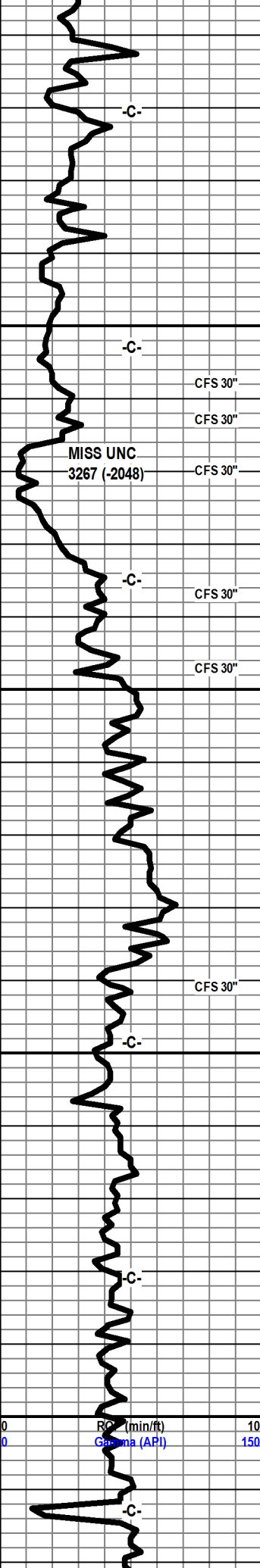
TG, C1-C5

TG (units) 
 C1 (units) 
 C2 (units) 

Lithology

Geological Descriptions





SH(new)- VARI CLR RD/BRN, GRYS, BLU/GRN, V. MICACEOUS & GRSY, IRREG PCS, NO VSBL POR, NO ODOR, NSO, BUB ON BRK IN PRT. LS-FOSS & NON PERSIST.

SH- ~5% BLK CARB SHL W/ VFN GRN, FIS, BUB ON BRK, NSO. LS PERSIST, DECR VOL.

SH(aa) VARI CLR & BLK, INCR BLU/GRN, SL INCG GRN SZ, DOL XLN BED IN PRT, CARB BLK STYLO-LIKE IN PRT, NO ODOR, NSO, FEW BUBS.

SH- VRI CLR- RD/BRN, PRPL, BLU GRY, INCR INCL VOL & SZ-SLTY IN PRT, SL GRT SL WAXY, BED/LAM VSBL IN PRT, FIS IN PRT, NO ODOR, NSO. BUB ON BRK.

LS/DOL(new)- GRY BLU, LSR TAN, VFN GRN, OPQ BUFF, FRSH SHRP ANG PCS/FAC, RARE FOSS INCL, SL CHLK EDGE, NO VSBL POR, NO ODOR, NSO/G. (<5%).

SLTY SHLY DOL- INCR % DOL XLN, PORRLY CONSOL W/ IN SHL, ARG/GLAUC CONT, MICACEOUS, BUB ON BRK, NO ODOR, NSO.

SH(new)- ABUN RED/BRN HRD SHL W/ FEW MICROXLN OPQ CHRTY DOL PCS, VSBL CONTACT W. INCR CHT CONT-PRTL & FULL XLN PCS, FEW W/ PRSD FOSS, LM/DOL IN PRT, NO ODOR, V. LO RARE POR, NSO- PSBL SDO STN.

DOL/LS- TAN, VFN GRN, XLN DOL W/ LM CEM/MTX (FR EFFERV), GRTY XLN TEXT, FRIABLE>NON, V. STRONG ODOR, SFO, RBSO, ABUN GAS ON BRK/NO BRK, OIL DROPLET/STN TO WATER FROM BUB POP.

DOL- INCR WHT/GRY DECR BRN/TAN, INCR DOL XLN, DECR GRN SZ, GRANULAR WELL CEM, LOW VSBL POR, BUB ON BRK IN PRT, TRANS SHEEN/DROPLET, NFO.

DOL- WHT/GRY, LM CONT, CHRTY IN PRT, VFN GRN XLN DOL W/ SI &/OR LM MTX/CEM-VRBL POR & DNS, LWR POR FNR GRN WELL CEM, FNT ODOR, FEW TRANS DROP, BUBS, NFO. FEW SL TAN W/ PSBL STN PERSIST.

DOL/LS- DINGY GRY BRN BUFF, XLN DOL SL CHTY W/IN LMY MTX, HRD SHRP ANG FACES W/ CONC FRAC, SL CHLK/SFTR IN PRT, VFN EFFERV BUBS W/ <50% ALIZ STN, LO VSBL POR-DECR GRN SS, NO ODOR, RARE BUB, NSFO.

SH(new)- ~5% SMPL, DRK GRY/BLK SHL, VFN GRN, SPLINTERY FISS, NO POR, NSO/G.

SH- GRY>BLK, SL BLU, LAV'DR IN PRT, VFN GRN, LMY CONT, IRREG PCS/FAC, PSBL VVFN DOL XLN INCL, NO VSBL POR, NO ODOR, NSO/G.

DOL/LS(aa)- TAN GRY W/ PRTL & FULL CHRT XLN, VFN DOL XLN AS CLSTS W/IN LM HOST-SI>LM CEM-V. HRD, SHRP ANG PCS/FAC, RARE TRANS RXLN, LO POR, NO ODOR, NSO/G. SHL PERSIST- VRI CLR MOT'D IN PRT, LSR % SMPL.

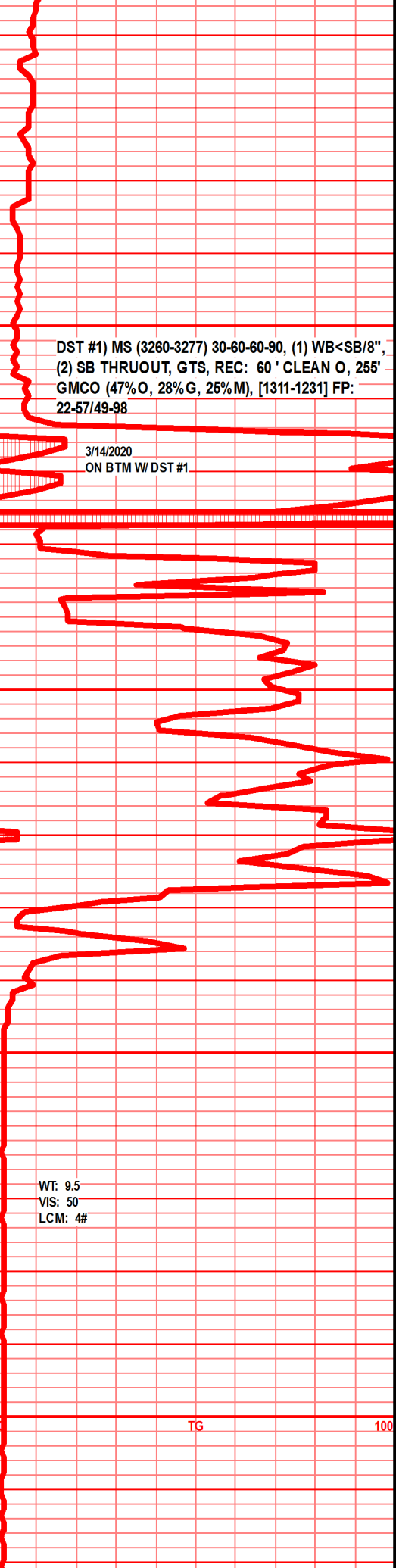
SH(new)- DRK GRY/BLK, GRY/BLU MOT W/ RED PRPL HUE, VFN GRN, V. SPLNTRY FIS, PLATY FRAC/PCS-IRREG, V, THIN LAM/BED VSBL LOW INCL, NO VSBL POR, NO ODOR, NSO, BUB BRK IN PRT. SIG DECR LM & DOL.

SH- DRK GRY/BLK UNIFORM TRUE SHL, NO/LOW INCL, VVFN GRN, SPLNTRY TAB PCS/FAC, FNT LAM/BED VSBL, WAXY GRSY TEXT. LO POR. NO ODOR. NSO/G.

PR VRY SM CHIP SMPLS W/ LRG SHL PCS.-- NEW FNR TOOTH BIT?*

SH- BLK DRK GRY, VFN UNIFORM SHL, FNT LAM/BED, FIS, NO VSBL POR, NO ODOR, NSO/G.

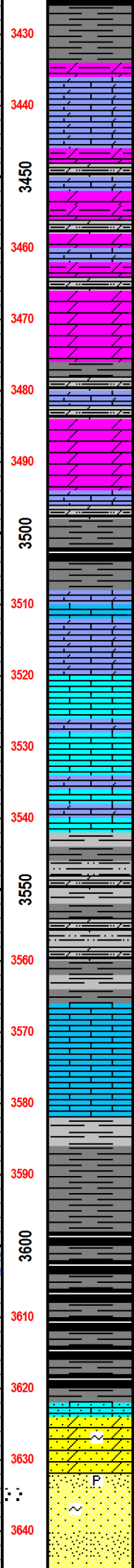
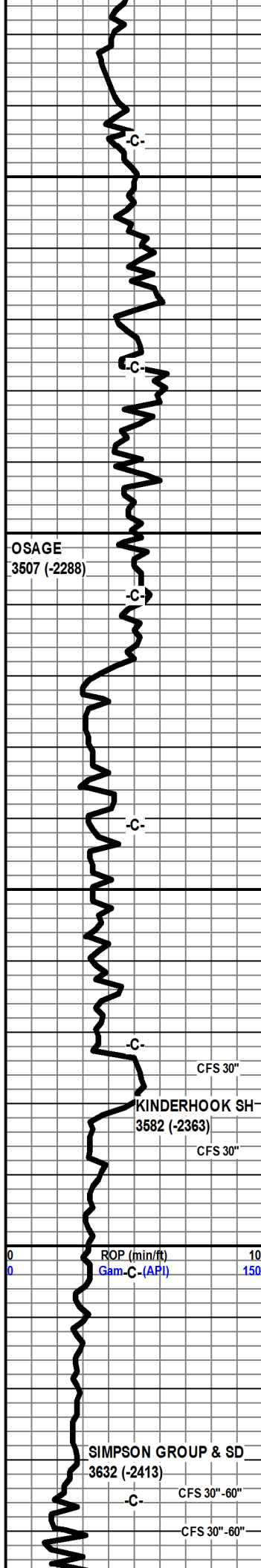
SH- DRY>BLK, FEW SL BUE, VVFN GRN, VVFN LMY/DOL CONT-VEN EN EFFERV BUB, SI AZ



DST #1) MS (3260-3277) 30-60-60-90, (1) WB<SB/8", (2) SB THRUOUT, GTS, REC: 60' CLEAN O, 255' GMCO (47%O, 28%G, 25%M), [1311-1231] FP: 22-57/49-98

3/14/2020
ON BTM W/ DST #1

WT: 9.5
VIS: 50
LCM: 4#



LM/DOLO CONTAINING EFFERV BUB, SLAZ STN, BLKY IRREG PCS>FIS PLATY, NO POR, NO ODOR. NSO/G.

DOL/LS- LT BRN TAN WHT MOT'D IN PRT, VFN-FN GRN, LMY MTX/CEM W/ XLN DOL & PRTL CHRT XLN, CHLK WHR LTR/SFTR, LOW POR, NO ODOR, NSO/G. (50/50 DRK GRY SHL & SM CHIP DOLO-LM)

DOL- DRK GRY BRN DINGY BUFF XLN, CHTY W/ DECR VSBL LM CONT, SHRP DNS ANG SM. PCS, XLN TEXT, SL CHLK IN PRT-EDGE, LO POR, NO ODOR, NSO/G.

DOL- DRK GRY>LT GRY, LSR BRN, VFN GRN XLN DOL W/ SI>LM CEM/MTX- SM BUB EFFERV W/ PRTL STN, ARG CONT?, CHTY HRD ANG DNS SM PCS-SFTR W/ LM CONT, XLN TEXT, LO POR, NO ODOR, NSO/G.

SH- SM % DK-LT GRY & BLK SH, FIS DRK, SFT LTS, NO POR, NSO/G.

DOL(aa)- INCR HOMOGEN, DRK GRY VFN XLN DOL W/ SI CEM, DECR LM CONT/CEM, ARG?, NO VSBL FOS, NO POR, NO ODOR, NSO/G.

SH(new, ~15% SMPL)- VRI COLR'D- GRYS, RUST RED/BRN, BLU/GREN, VFN GRN, SL GRTY W/ VFN DOL INCL, ARG/GLAUC IN PRT, MICACEOUS, MOT'D W/ WHT/TAN LM CONT IN PRT, IRREG & PLTY PCS/FAC, NO/LOW POR, NO ODOR, NSO/G.

DOL(aa)/LS - SL LTR IN CLR-DOL/LS-INVR LM, FEW FOSS MOLD, FOSS INCL, VSBL CARB INCL, LO VSBL POR, V. FNT ODOR- SL SWEET? NSO/G.

DOL/LS- LT & DRK GRY SL DINGY BRN HUE IN PRT, VFN DOL XLN W/ SI-HRD & LM IN PRT-LTR SFTR, LO POR, FNT FOSS, NO ODOR, NSO/G.

3530-LS(new)- WHT/LT GRY VFN-FN XLN W/ HVY RND GLAUC INCL (PEL'T/PEL'D), RXLN IN PRT, CHLKY IN PRT, FEW FOSS, LO-FR POR, NO ODOR, NSO/G. *V. POOR SMPL (~5% smpl-GLAUC LM)

SH- RD/BRN LT GRY DRK GRY, VSBL XLN INTBED'G, VSBL XLN INCL. DOL/LS(dom lith)- DRK-LT GRY, LTR W/ LM, SUCROSIC TEXT, LO POR, V. FNT ODOR, NSO/G.

DOLO SHL- DRK GRY, VFN GRN SHLY XLN DOL, GRT XLN SUCROSIC TEXT, HRD DNS, LO POR, NSO/G.

SH- VFN GRN, BLK, RARE WHT LM INCL, V. FNT LAM/BED VSBL, TAB PCS, FIS PLATY FRAC, LRG PCS, NO POR, NO ODOR, NSO/G. LM & DOL PERSIST.

LS- LT GRY, DOL XLN INCL DECR, LM CEM INCR, CLN LM INCL-FOSS FRAGS & NON, VRBL AMT LM & DOL VSBL PCS, LOW POR, NO ODOR, NSO/G.

SH- DRK GRY, VFN GRN, FNT LAM/BD, SLT GRIT IN PRT-XLN INCL, TAB PCS, SPLTRY FRAC, BRTL, NSO/G.

SH & LS- BLK-DRK GRY, VFN GRN, BRTL, TAB PCS, PLATY FRAC, FIS & HRD/DNS. LS- LT GRY SL WHT & TAN PRT (SDO?), DOL XLN- SL GRANU/SUCROSIC, LMY CEM-SFTR. NEAR FULL XLN IN PRT-DRK HRD. LOW POR, NO ODOR, FEW BUB ON BRK, RARE TRANS DROP.

SH- BLK & DRK GRY, SL BRN IN PRT - "choc brown" - Maten A., SL MICACEOUS, W/ SPORES-WDFRD (3611 lag'd)- W/DEPTH, FNT ODOR-BTR W/DEPTH, NSFO, LOWBUB ON BRK.

SH(aa)- INCR ODOR W/DEPTH, MUSHY W/DEPTH, LOW VFN BUBS.

DOLO SD- TAN, VFN-FN GRN-RARE CRS RXLN/RHOMB, POOR CARB CEM, HVY EFFERV REDUC CLSTR TO UNCONS GRNS, LMY IN PRT W/ FNT FOSS CONT, FR-GD POR, ODOR, SFO-BRN&TRANS, LOWBUBS.

SD- WHT/SL GRY W/ TAN STN IN PRT, SUB RND/RND VFN(HIRE ARG)- MED (CLN) GRN TRANS QTZ W/ ARG/GLAUC, RARE PYR, MOD SORT, WELL SRT IN CRS & LN CLSTR, POOR ARG/SI CEM, GD POR, STRONG ODOR,

WT: 9.4
VIS: 42
LCM: 4#

WT: 9.5
VIS: 45
LCM: 4#

3/15/2020
DRLG AT 3457'

WT: 9.3
VIS: 53
LCM: 3#

GEO FIDDLER WITH GAS DETECTOR

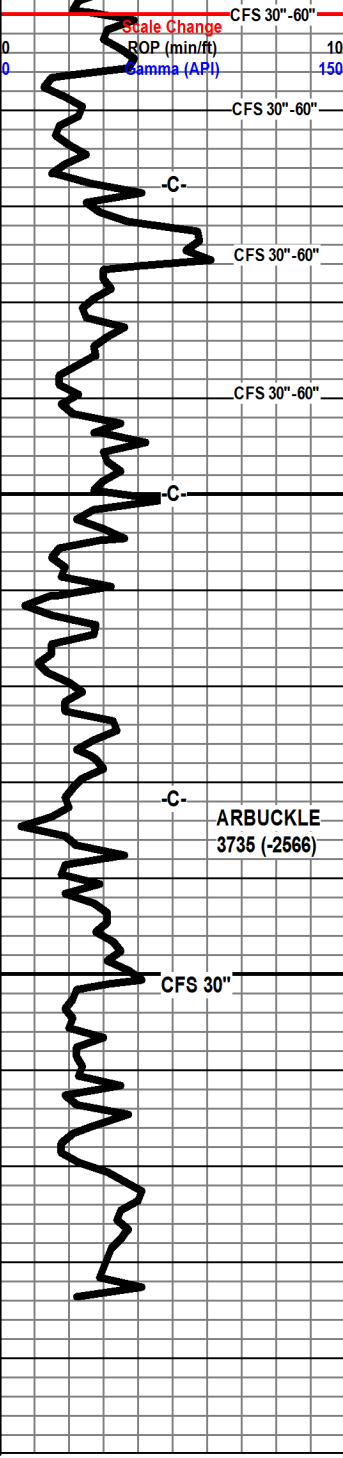
*YLWS STN

TG 100

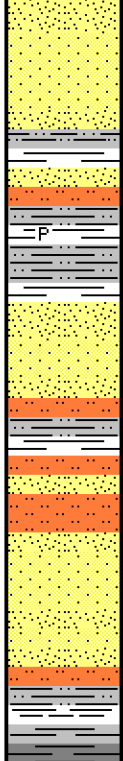
DST #2) SIMPSON SD 3624-3640, 15-30-30-60, (1) WB<SB/2"<250"+, (2) SB - SB, 430' GCO (50%O), 360' GHMCO (47%O), [1333-1317] FP: 36-135/140-300

3/16/2020
ON BTM W/ DST #2

SFO-MOSTLY TRANS, LOWBUB.



3650
3660
3670
3680
3690
3700
3710
3720
3730
3740
3750
3760
3770
3780
3790
00



SS(aa) - INCR GLAUC PYR ARG, WELL SORT, RND FN TRANS QT GRNS W/ PR SI CEM.

SS- BRN, VFN GRN SUBANG/RND TRANS QTZ W/ BRN CARB CEM, SFO&G-RBSO, FR BUBS, ODOR PERSISTS.

SS(aa)-SL VRBL GRN SZ & CEM, SL BRN IN PRT-ACURT @ DEPTH?- PREDOM CLN GRY/WHT W/ MISC INCL, GLAUC, ARG, FR POR, NSO/G.FALL?

SLTSTN/SLTSH- LT GRY WHT SL BU IN PRT, VFN GRN, HVY INCL- GLAUC ARG BLK PYR XLN, WELL CEM, MOD SORT, FR POR, NO ODOR, NSO/G.

SH- SM % SMPL- BLU GRY BLU W/ GLAUC & PYR XLN-FN GRN INCL, WXY SHL-SHLY SLTSTN(aa)

SS- CLN WHT-TAN STN, VRBL- WELL SORT RND FN-UFN QTZ & VFN CLN POR SORT WHT WELL CEM, GD POR, V. STRONG ODOR & RBSO, GD BLU FLOR

SSSLTSTN- WHT - TAN PRT W/ O STN, FN-UFN RND TRANS QTZ WELL SORT W/ MOD CEM, GD POR, V. STRONG ODOR & RBSO. EQ PRT SHLY SLT GRY BLU SS/SLTSTN.

SS- WHT-SL TAN, VFN GRN, SL BLU IN PRT-ARG/SHLY, PYR XLN, FEW BLK INCL, FR-GD POR, V. STRONG ODOR & RBSO, GD BLU FLOR

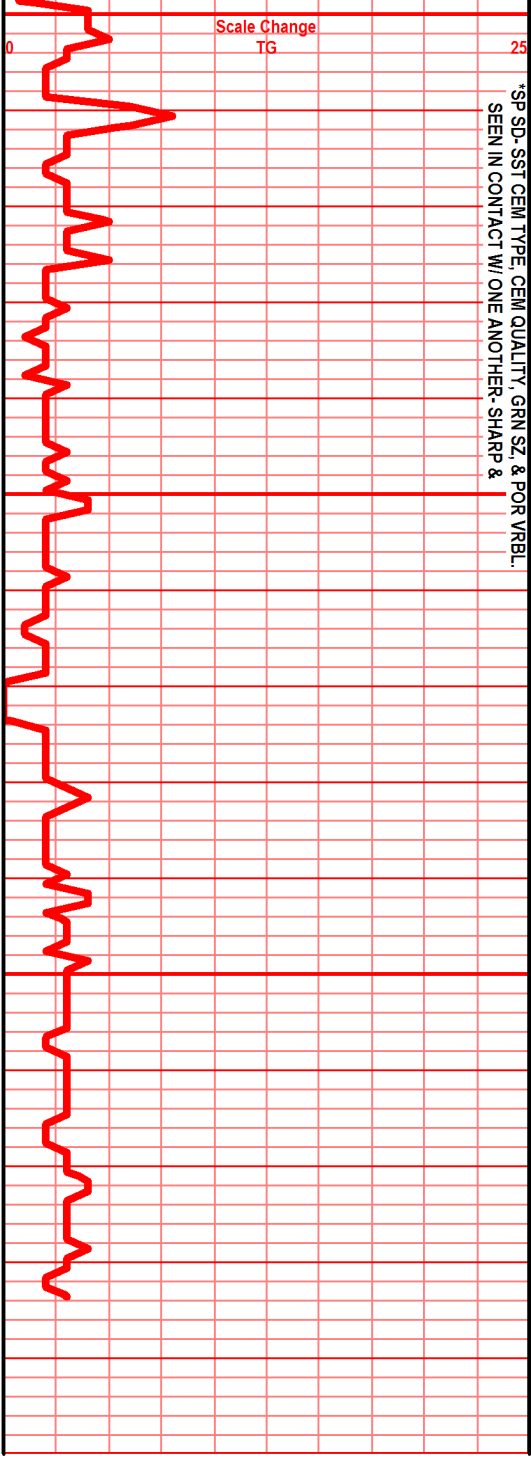
SH- LT DRK GRY, RD BRN MOT W/ WHT, SL PRPL/MAROON, BLU/GRN, VFN GRN W/ FEW SLTY PCS, LRG TAB PCS W/ FI PLATY FRAC, FNT LAM, GRTY & GRSY TEXT, NSO/G.

SH(aa)- W/ SHL IN SHL RIP UP CLAST TYPE RELATIONSHIP, VRI CLRD SHLS.

CH- WHT/SL TRANS, SL BLU HUE, BLK GRN INCL, VSBL CONTACT W/ BLK/WHT SHL-UNCONF?, NO POR, NO ODOR, NSO/G.

DOL-GRY SL BLU, VFN XLN W/ CHRT IN PRT, HEDRAL GRNS, LO POR, NO ODOR, NSO/G.

DOL- GRY, VFN XLN



*SP SD- SST CEM TYPE, CEM QUALITY, GRN SZ, & POR VRBL.
SEEN IN CONTACT W/ ONE ANOTHER- SHARP &