

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

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 <i>(Attach Additional Sheets)</i>	☐ Yes	☐ No	☐ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☐ Yes	☐ No	Name	Top	Datum
Cores Taken	☐ Yes	☐ No			
Electric Log Run	☐ Yes	☐ No			
Geologist Report / Mud Logs	☐ Yes	☐ No			
List All E. Logs Run:					

CASING RECORD ☐ New ☐ Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No (If No, skip questions 2 and 3)
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No (If No, skip question 3)
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No (If No, fill out Page Three of the ACO-1)

Date of first Production/Injection or Resumed Production/Injection:		Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water	Bbls.	Gas-Oil Ratio Gravity

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

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	MARGARET 1-29
Doc ID	1722616

All Electric Logs Run

DIL
DUCP
MEL
BHCS

Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	MARGARET 1-29
Doc ID	1722616

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.250	8.625	7.8750	57	H-325	55	
Production	7.875	5.500	15.5	2938	H-Con, H854	360	

[illegible]

DRILLING REPORT - LOG TOPS - Margaret 1-29

MDCI Margaret 1-29 1225'FNL 1065'FWL Sec. 29-T28S-R9E 1367' KB						
Formation	Sample tops	Datum	Ref	Log Tops	Datum	Ref
Lansing	1411	-44	+1	1409	-42	+3
Kansas City	1767	-400	-13	1760	-393	-6
Stark	1866	-499	+2	1870	-503	-2
Mound City	1926	-559	-2	1930	-563	-6
Altamont	2078	-711	+7	2087	-720	-2
Pawnee	2171	-804	-3	2176	-809	-8
Ft. Scott.	2206	-839	FLAT	2210	-843	-4
Excello	2241	-874	-2	2245	-878	-6
Oakley	2315	-948	-2	2316	-949	-3
Mississippi	2533	-1166	-1	2536	-1169	-4
Arbuckle	2861	-1494	-3	2864	-1497	-6
RTD	2950					
LTD				2954		



The Well Watchers

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

Well Name: MARGARET #1-29
Location: Section 29 - Township 28S - Range 9 East
Licence Number: 15-049-22632 -00-00 Region: Elk County, KS.
Spud Date: 13 April 2023 Drilling Completed: 18 April 2023
Surface Coordinates: 1,225' FNL & 1,065' FWL

Bottom Hole
Coordinates:
Ground Elevation (ft): 1,355' K.B. Elevation (ft): 1,367'
Logged Interval (ft): 1,500' To: 2,950' Total Depth (ft): 2,950'
Formation: Lansing -----> Arbuckle
Type of Drilling Fluid: Displace @ 1,427' - Chemical, Low Solids/Non-Dispersed
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: MURFIN DRILLING COMPANY, INC.
Address: 250 North Water, Suite 300 POC: Michel Runnion
Wichita, Kansas 67202
(316) 267-3241

GEOLOGIST

Name: Curtis E. Covey
Company: COVEY - The Well Watchers
Address: 6548 Bedford Circle
Derby, Kansas 67037
Office: (316) 776-0367 Cell: (316) 217-4679

KB: 1,367'

FORMATION TOPS

GL: 1,355'

Formation	Rotary Sample Depth (Datum)	E-log Depth (Datum)
Heebner SH	1,038' (+329')	1,038' (+329')
Lansing	1,411' (- 44')	1,408' (- 41')
Kansas City	1,767' (- 400')	1,760' (- 393')
Mound City	1,926' (- 559')	1,930' (- 563')
Altamont	2,078' (- 711')	2,086' (- 719')
Pawnee	2,171' (- 804')	2,176' (- 809')
Ft. Scott	2,206' (- 839')	2,210' (- 843')
Excello SH	2,241' (- 874')	2,244' (- 877')
Oakley	2,315' (- 948')	2,316' (- 949')
Mississippi	2,533' (- 1,166')	2,735' (- 1,368')
Arbuckle	2,861' (- 1,494')	2,864' (- 1,497')

RTD: 2,950' LTD: 2,954' ATD: 2,954'

Float:
Rotary Sample Depth is 0' - 4' low to E-log Depth
for the logged interval: 1,500' - 2,950' (RTD).

E-Loggers:
Midwest Wireline ... Hays, KS.

DST #1 - KINDERHOOK LIME

Rotary Depth: 2,732' - 2,741'
Logger's Depth: 2,736' - 2,745'

Recovery: 270' Gassy OIL .. (5%G, 95%O)
30' OILY Mud .. (5%O, 95%M)
31 deg API @ 70 deg F.

Recovery Water: NA
System Water: (1,000 ppm)

IFP: 52# - 69# / 30"
ISIP: 920# / 60"
FFP: 85% - 12# / 60"
FSIP: 907# / 60"
114 deg F
MH: 1,328# - 1,293#

IF: Blow built to 10 inches.
ISI: Blew back to 0.25 inch.
FF: BOB 50 minutes.
FSI: Blew back to 1 inch.

Reported Rw = NA

Recovery Water Mud Engineer:
NA

Trilobite Testing, Inc.
Pratt, KS.

DST #2 - ARBUCKLE

Rotary Depth: 2,862' - 2,881'
Logger's Depth: 2,866' - 2,885'

Recovery: 2,022' Gassy OIL
(5%G, 95%O)

Recovery Water: NA
System Water: (850 ppm)

32 deg API @ 70 deg F

IFP: 227# - 482# / 30"
ISIP: 985# / 60"
FFP: 498# - 482# / 40"
FSIP: 979# / 60"
121 deg F
MH: 1,337# - 1,290#

IF: BOB in 2 minutes.
ISI: No blow back.
FF: BOB 30 seconds.
FSI: No blow back.

Reported Rw = NA

Recovery Water Mud Engineer:
NA

Note: At fluid, pulled next 10 stands ... all OIL.
Reversed balance out to truck ... all OIL.

Trilobite Testing, Inc.
Pratt, KS.

2023

DAILY DRILLING - APRIL

2023

12/1/4" Hole (Surface)

13 April --- Spud @ 7:30am.
Drill to 66'.
Ran 8-5/8" (23#) casing.
Set @ 57'. 55 sx H-325
(2%CC + 3% Gel).
[Hurricane Services]
Plug Down @ 8:15am.
Cement did circ.
WOC.

7-7/8" Hole (Vertical)

13 April --- WOC.
U / S @ 2:45pm.
14 --- 7am @ 1,884'.
15 --- 7am @ 2,558'. Start and
16 --- 7am @ 2,741'.
Finish DST #1 - Kinderhook
Lime (2,732' - 2,741').
Resumed Drilling @ 7pm.

7-7/8" Hole (Vertical)

17 April --- Start and
7am @ 2,881'.
Finish DST #2 - Arbuckle
(2,862' - 2,881').
P/U OIL recovered in DST #2
by truck.
Resume Drilling @ 10:50pm.
18 --- Drill to RTD (2,950')
@ 12:15am.
E-Log
[Midwest Wireline]

HOLE DEVIATION (66' - 2,950' MD)

12-1/4" Surface Hole

DEPTH	/	TVD	---	INCLINATION		AZIMUTH	NORTH	SOUTH	EAST	WEST	DOGLEG deg/100'
66'	/		---	0.25	(Surface Casing)						

Strap @ NA. Murfin 116 is a top drive, 'single' drilling rig.

7-7/8" Vertical Hole

1,021'	/	---	0.25	
2,117'	/	---	0.75	
2,741'	/	---	0.25	(DST #1)
2,950'	/	---	0.75	(RTD)

Strap:
Board:
Diff:

Inclination Surveys provided by Murfin Drilling - Rig #116

CONTRACTOR

Murfin Drilling Co, Inc. --- Rig #116

250 North Water, Suite 300
Wichita, Kansas 67202
Office: (316) 267-3241

Toolpusher: Paco Gonzalez - (620) 309-1818

Pump: IDECO 550
6" x 15" @ 60 SPM.
700 PSI @ Standpipe. *
Drill Pipe: 4.5" XH. (16.4# / ft -used)

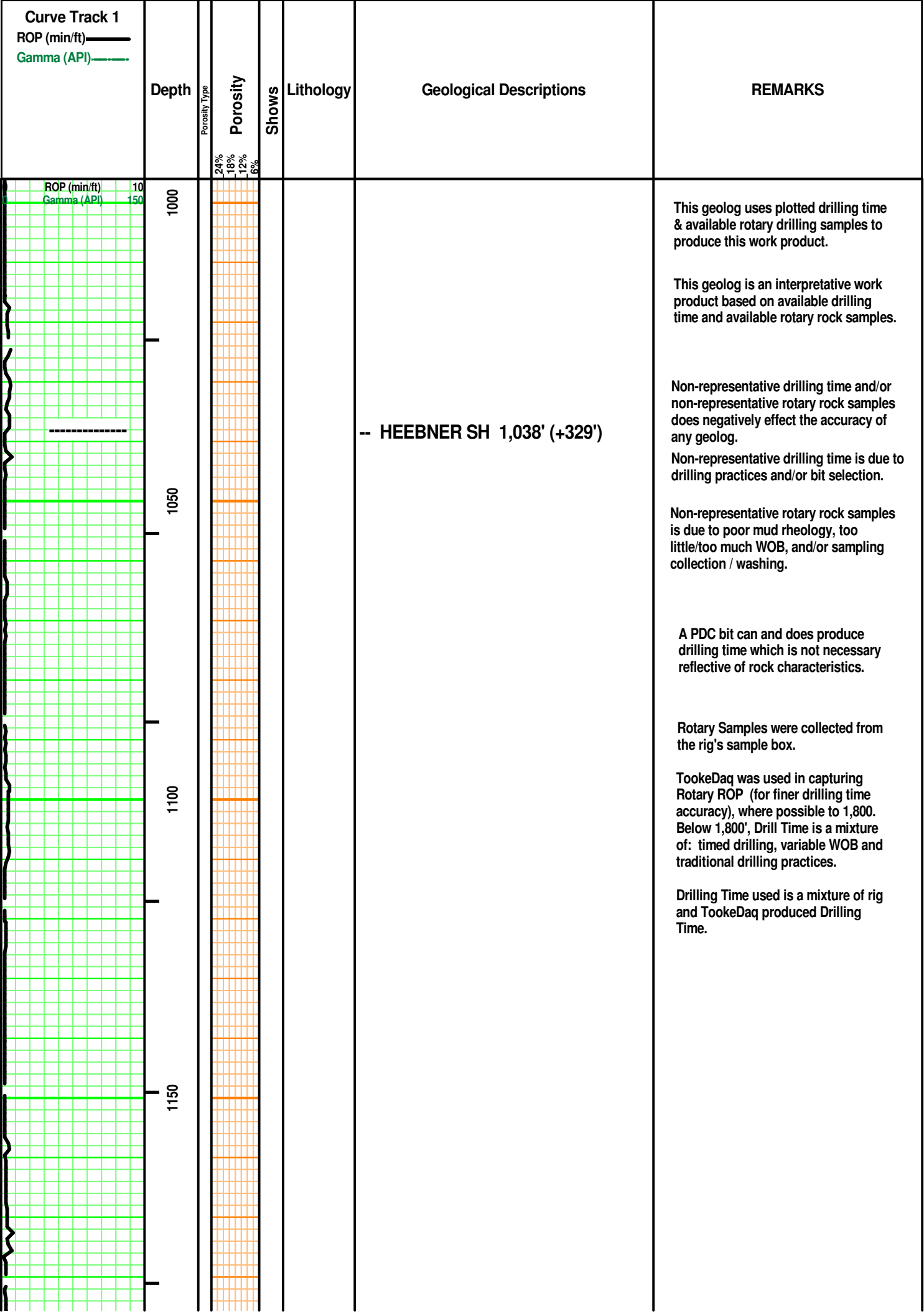
Drill Collars: 6" x 2.25" --- 521'. (83#/ft)
Dry Collar Weight: 43,243#
Bouyancy Collar Weight: 37,016#
(@ 9.4 ppg / Buoyancy Factor 0.8645)
Design Factor: 15% held back to keep
drill string straight, therefore:
available calculated WOB is 31,464#

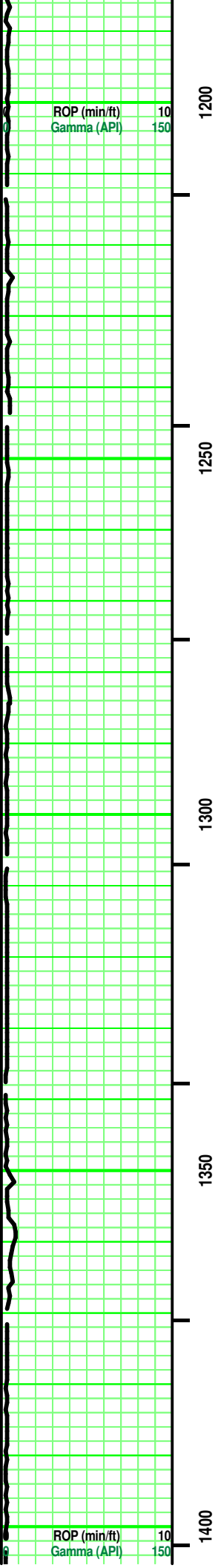
Check Weight Indicator @ 2,743'.
Calculated String Weight (92,449#) -vs- Observed WI (90,000#).
WI is weighing LIGHT by 2.6%
Therefore: Calculated WOB of 31,464# will show 32,282# on WI.

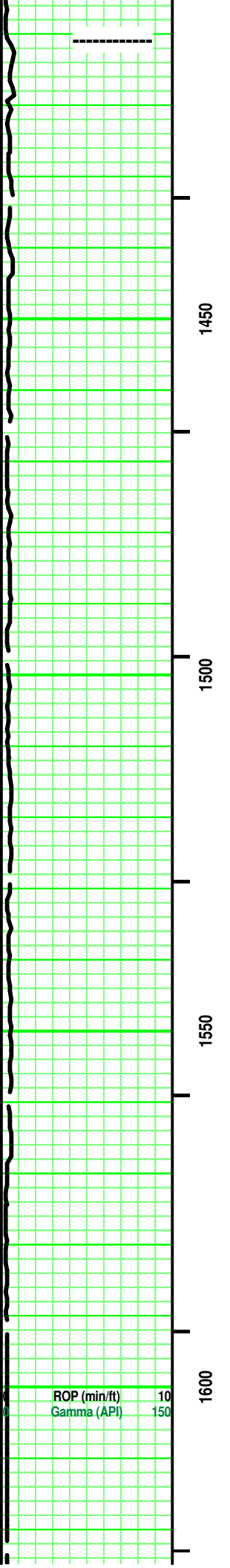
BIT RECORD

DATE	SIZE	TYPE	JET SIZE	DEPTH IN / OUT	CUM. FT.	HOURS	ROP
SURFACE ---		(IADC)					(ft/hr)
13 April 2023	12-1/4"	SMITH	15 - 15 -15	0' / 66'	66'	0.50	132.0
VERTICAL ---							
13 April 2023	7-7/8"	SMITH M-616 (PDC)	15 - 15 -15	66' / 2,960'	2,884'	49.00	43.7

mEVENT
 Connection
 Rft







1450

1500

1550

1600

-- LANSING
1,411' (- 44')

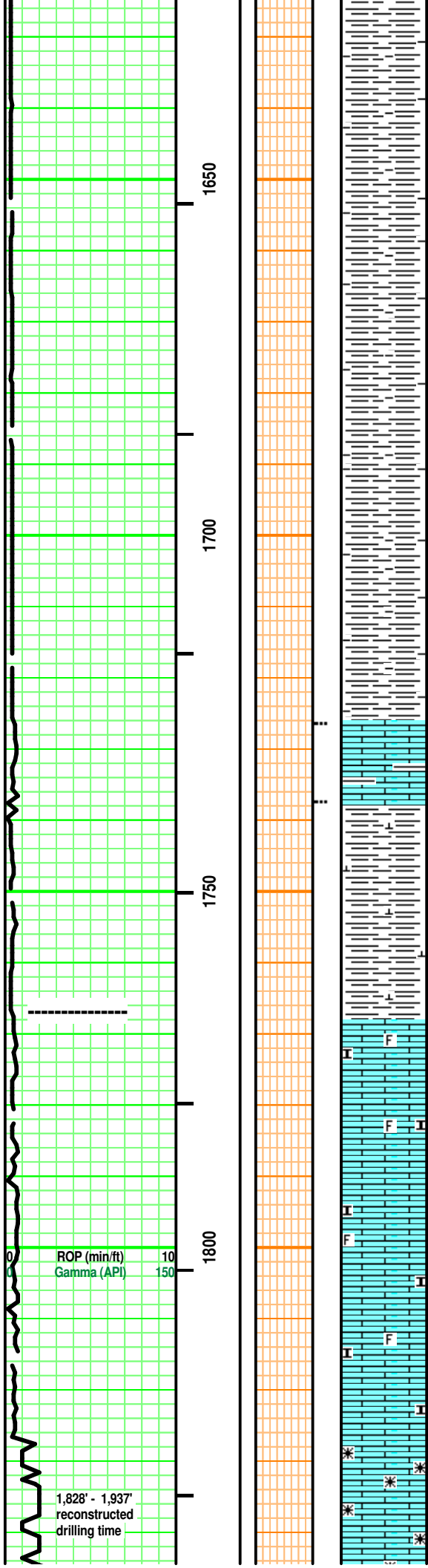
LS - Lt/ Med Tan. some Pale Grayish Tan. VF/XF, tr Micro-xln. xln & tr part por. No/ some Re-xln. No/ mixed with tr to some Fossil frags (coral, echin). tr Chalky in part. partly Firm. No/ tr vis por.

LS - Lt/ Med Tan. some Pale Grayish Tan. VF/XF, tr Micro-xln. xln & tr part por. No/ some Re-xln. No/ mixed with tr to some Fossil frags (coral, echin). tr Chalky in part. partly Firm. No/ tr vis por.

SH - Med/ Dark Gray. tr Dark Silvery Gray. Silty in part. mixture of: No/ tr Calc, misc frags.

SH - Med/ Dark Gray. tr Dark Silvery Gray. Silty in part. mixture of: No/ tr Calc, misc frags.

Rotary Samples start
@ 1,500' 30' Samples



SH - Med/ Dark Gray. tr Dark Silvery Gray. Silty in part. mixture of: No/ tr Calc, misc frags.

SH - Med/ Dark Gray. tr Dark Silvery Gray. Silty in part. mixture of: No/ tr Calc, misc frags.

LS - Lt Grayish Tan. Sing. XF-xln. xln por. mostly No/ tr argil. partly Firm. No/ tr vis por.

SH - Med/ Dark Gray. Sing. Massive. tr Calc.

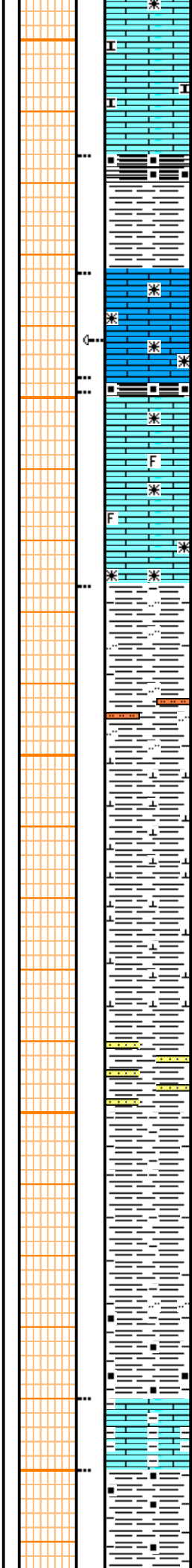
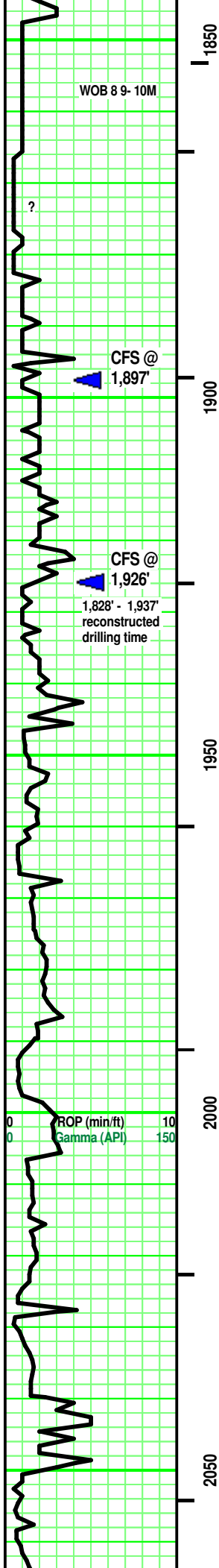
LS - Lt/Med Tan. some Lt Brownish Tan or Lt Grayish Tan. Sing/ Mot/ Mixed. tr XF-/ mostly Xf or Micro-xln. xln por. mixture of No/ some Re-xln. mixture of fossil frags, chaly in part. mixture of mostly Friable, some Firm/ Dense. mixture of: tr or some vis por.

-- KANSAS CITY
1,767' (- 400')

ROP (min/ft) 10
Gamma (API) 150

1,828' - 1,937'
reconstructed
drilling time

1,828' - 1,937' reconstructed drilling time
from Drilling Time Sheets.



SH - Black. Sing. Carb. soft.

SH - Med Gray. Sing. Hi limy in part.

LS - Med Tannish Brown/ some Lt Tan. Sing.
XF-/Micro-xln. xln por. tr Re-xln. partly Firm. No/ tr vis por. No/? odor. No free oil or gas. No/ tr Brown spotted stain. No cut/residual. No/? acid & residual.

SH - Black. Sing. Carb. soft.

LS - Dk Tannish Brown / Dark Tan. Sing/ tr Mot.
Xf-/ Micro-xln. xln por. No/ tr Re-xln. tr fossil frags. partly Firm. No/ tr vis por.

----- MOUND CITY 1,926' (- 559')

SH - Med/ Dark Gray, trSilvery Gray. Sing. Mod/ hi silty. Siltsone intermixed (mostly near top). Calc/ Hi Limy at and with depth.

SH - some Med/ Dark Gray. Blackish Gray. Sing/ tr Mixed. Hi limy. Blocky.

SH - similar to above. Hi Sandy. [Clear. XF qtz grains. SA/SR. mod sort & sph. 'floating' grain contact. Friable. No/ tr vis por.]

SH - some Med/ Dark Gray. Blackish Gray. Black & carb with depth. Sing/ tr Mixed. Hi limy. Blocky.

LS - Grays. Mot/Mixed. Micro-xln. xln por. argil. Dense. No/ tr vis por.

SH - Med/ Dark Gray. Black intermixed. No/ tr limy streaks (intermixed).

(Computer DT showed 'saw tooth' profile.)

(Time drilling)

--- CFS @ 1,897': 30"

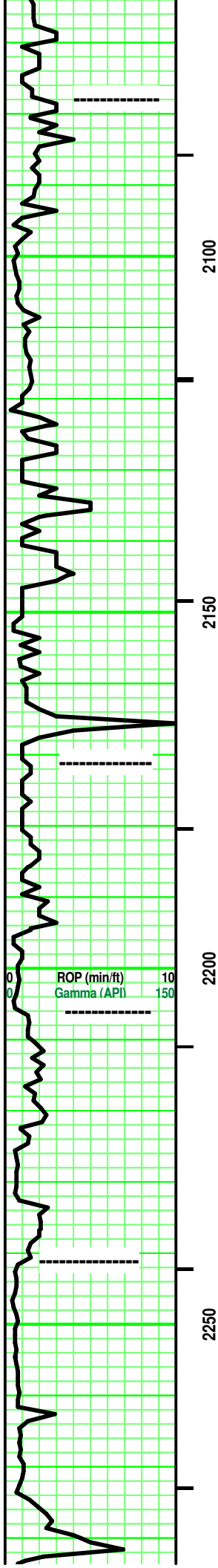
--- CFS @ 1,926': 30"

Vis: 42
Wt: 9.5
LCM: 3#
WOB 10M

1,940' -
Vis: 45 Wt: 9.3+ Wtr Loss: 8.8
PV: 14 YP: 12 Gels: 7/14
pH: 10.0 Cl (900) Ca (40)
Solids: 7.4% LCM: 3#

1,980' Sample:
LS - Lt Grayish Tan / Med Tan. Mixed/
Mottled. XF- / Micro-xln. xln por. tr Re-xln.
mostly No/ rare fossil frag. partly Firm.
No/ tr vis por.

Vis: 47
Wt: 9.4
LCM: 3#



2100

2150

2200

2250

ROP (min/ft) 10
Gamma (API) 150

LS - Dark Tan. Sing. XF-xln. xln por. tr misc frags. No/ tr vis por.

SH (1) - Med/ Dark Gray. Black intermixed. No/ tr highly silty streaks (intermixed/ interbedded).

Add: SS - Clear/ Pale Lt Gray. Mot. Silt sized qtz grains. SA/SR. Hi sort. Mod sph. Vitreouse/ some frosted luster. Sutured/ point grain contact. misc inclusions. Dense. No/ tr vis por.

SH - similiar to (1) above.

SH - Black. Sing. carb. soft.

LS - Lt/ Med Brown. some Brownish Tan. Sing. XF-/Micro-xln. xln por. No/ tr Re-xln. No/ some fossil frags. No/ some chalky. partly Friable. No/ tr vis por.

SH - Black. Sing. carb. soft.

SH - Med Gray. Sing. tr limy.

LS - Med Tan, Grayish Tan. Sing/ tr Mixed. XF-/ Micro-xln. xln por. No/ tr Re-xln. [No/ tr Chert: Pale Lt Gray. Opaque. No Inclusions. No trip.]

SH - Black. Sing. carb. soft.

SH - Med Gray. Sing. Pliable.

LS - Lt Brownish Tan/ Dark Tan. Sing/ tr Mixed. XF-/ Micro-xln. xln por. No/rare Re-xln. partly Firm. No/ tr vis por.

SH - Black. Sing. carb. soft.

SH - some Med/ mostly Dark Gray, Blackish Gray and Black. Silty near top. Interbedded LS with depth. mostly Friable. tr blocky.

-- ALTAMONT
2,078' (- 711')

Vis: 47
Wt: 9.3
LCM: 3#

-- PAWNEE
2,171' (- 804')

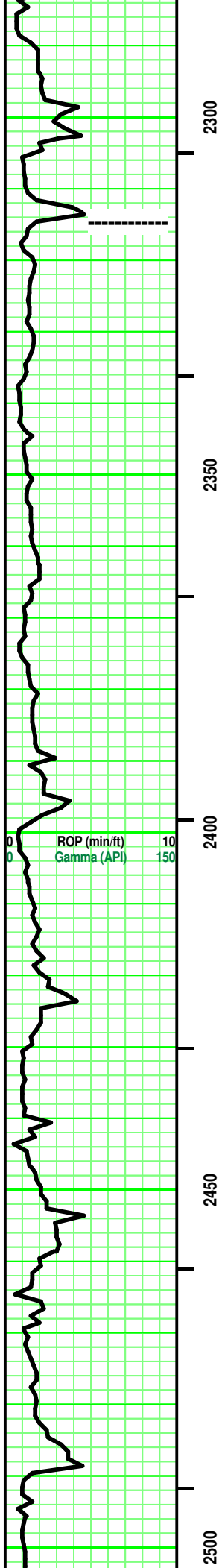
Vis: 48
Wt: 9.4
LCM: 3#

-- FT. SCOTT
2,206' (- 839')

Vis: 52
Wt: 9.4

-- Excello SH
2,241' (- 874')

Vis: 57
Wt: 9.4



2300

2350

2400

2450

2500

Interbedded SH, SS & LS

SH - Black. Sing. carb. soft.

SH - tr Med/ mostly Dark Gray, Blackish Gray. Sing. Mot, Mixed. No/ some Silty or sandy in part. misc inclusions (mica, minute fossil frags, plant frags).

SS - Lt/ Med, tr Dark Gray, Clear. tr XF-/ silt sized qtz grains. SA/SR. highly sorted, mod sph. Vitreous, some frosted luster, mixture of Point/sutured grain contact. Sil / tr calc cement. misc inclusions. argil/shaly. No/ tr/ some fair vis por.

LS - Lt/Med Gray. Sing. Micro-xln. xln por. argil in part. partly Firm. No/ tr vis por.

Interbedded SH & tr LS

SH - Black. Sing. carb. soft. minute pyritic xtals in part.

SH - tr Med/ mostly Dark Gray, Blackish Gray. Sing. Mot, Mixed. No/ some Silty or sandy in part. misc inclusions (mica, minute fossil frags, plant frags).

LS - Lt/Med Gray. Sing. Micro-xln. xln por. argil in part. partly Firm. No/ tr vis por.

Interbedded SH & Siltstone

SH - Dark Gray, Blackish Gray, Black. Pyritic in part. mixture of carb and silty. Med/ mottled Lt Gray at depth. misc Dark Gray argil & Off Grayish Tan calc frags/ siliceous (minute) Dark

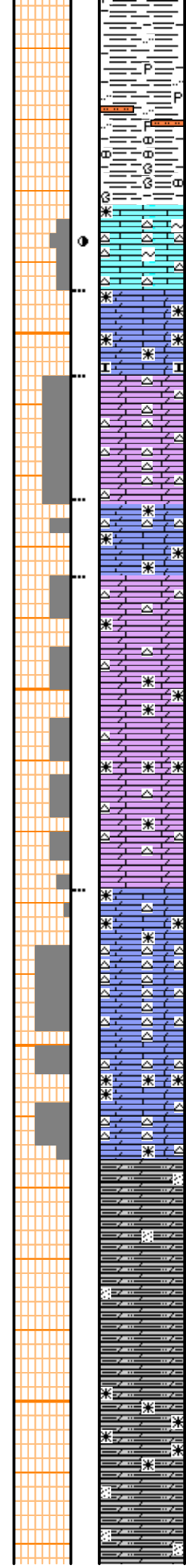
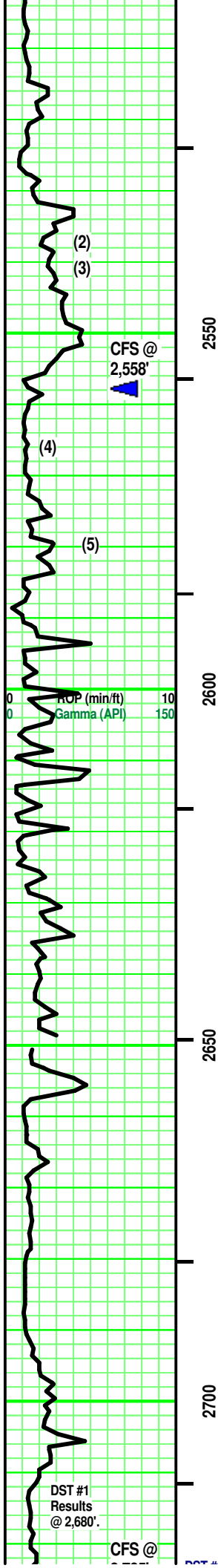
-- OAKLEY SH
2,315' (- 948')

Vis: 51
Wt: 9.4

Vis: 51
Wt: 9.4

Vis: 51
Wt: 9.4

Vis: 52
Wt: 9.4



Grayish Tan calc frags / siliceous (minute) Dark Brownish nodules at depth.

Siltstone - Silvery Lt Gray. Mot. Platty. misc inclusions. Calc in part.

Misc 'Rubble'

LS (3) - Tans, some Off White / Lt Gray / Pale Lt Brown. Mixed/Mot. tr F-/XF-xln. xln & part por. some Re-xln. misc inclusions. tr glauc. Firm. No/ tr vis por. No/? odor. No free oil or gas. Spotted, irregular Lt Brown stain. No/? cut & residual. No/? acid & residual.

LS (Dol) - Med Tan / Grayish Tan. Sing. XF-/ Micro-xln. xln por. some Re-xln. rare fossil frag.

few pcs: CHALK - Off White. Sing. soft.

DOL (Hi Calc) (4) - Lt/ Med Brown, Brownish Gray. Tans. Sing/ some Mot or Mixed. XF-/ Micro-xln. mostly xln por/ tr sucrosic. some Re-xln. Hl cherty. (similar to 2 above. Add: Lt Gray. No show.) mostly Friable. tr vis por.

LS (DOL) (5) - Tans/ Lt Grayish Tan. F-/ XF-xln. xln por. cherty in part. some Re-xln. No/ tr vis por.

DOL (Hi Calc) - similar to (4) above.

LS (Dol) - Lt Brownish Gray, Grayish Tan. Sing. XF-/ some F- & Micro-xln. xln por. No/ tr chalky in part. [some CHERT - Lt Gray, Tan, some Off White. Opaque, No/ some misc inclusions. No trip.] partly Friable. some No/ mostly tr to Fair vis por.

DOL - Brownish Gray, Blackish Brown. Sing. Micro-xln. xln por. Silty. No/ some minute dark inclusions. mostly soft.

Add: DOL - Dark Brownish. Sing. Micro-xln. xln por. some Re-xln. Firm. No/ tr vis por.

-- MISS

2,533' (- 1,166')

CHERT (2) - Off White/ Lt Tan. Mot. Opaque. partly weathered mottled with fresh. Oolitic fossil frag. No/? odor. No free oil or gas. Spotted Pale Lt Brown stain. No/? cut & residual. No/? acid & residual.

-- CFS @ 2,558': 30"

2,652' -
Vis: 63 Wt: 9.5 Wtr Loss: 7.8
PV: 24 YP: 24 Gels: 9/23
pH: 9.5 Cl (1,000) Ca 40
Solids: 8.4% LCM: 2#

DST #1

Kinderhook Lime ---- 2,732' - 2,742'

Recovery: 270' Gassy OIL (5%G, 95%O)
30' OILY Mud (5%O, 95%M)

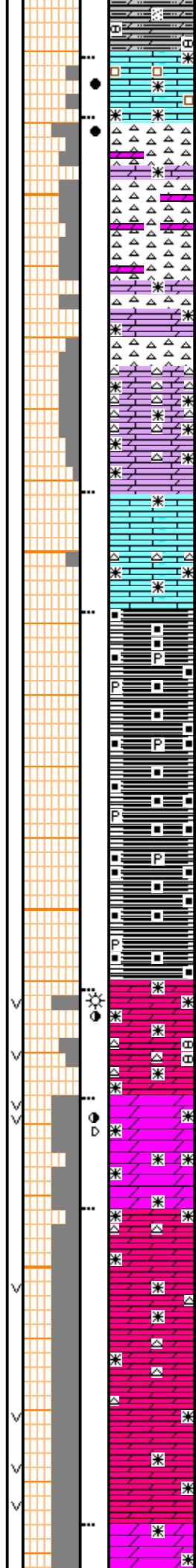
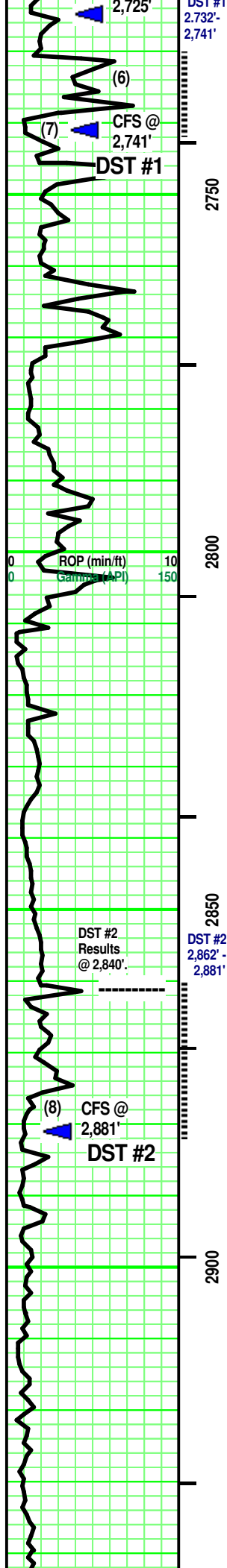
31 deg API @ 70 deg F

IFP: 52# - 69# / 30"
ISIP: 920# / 60"
FFP: 85# - 12# / 60"
FSIP: 907# / 60"
MH: 1,328# - 1,293#

IF: Blow built to 10"
ISI: Blew back to 0.25"
FF: BOB 50 minutes.
FSI: Blew back to 1"

LS (6) - sucrosic por in part. tr Cherty (as below). Firm. No/ tr vis por. Fair / Good odor. rare minute free Black oil / No free gas. some spotted, some uniform Med Brown stain. Weak Pos cut/residual. Weak Pos acid/ residual.

CHERT (7) - Mot/Mixed. Opaque. No/ tr inclusions. tr trip. Fair / Good odor. rare minute free Black oil / No free gas. some spotted, some uniform Med Brown stain. Weak Pos cut/residual. Weak Pos acid/ residual.



LS (6) - tr Lt/ mostly Med Tan, tr Drusy Grayish Tan. tr Sing, mostly Mixed, rare Mot. tr XF-/ Micro-xln. xln por. No/ tr ---->
CHERT (7) - Off White/ Lt Tan/ tr Lt Gray ---->
Add: CHERT - Off White. Sing. Opaque. Black asphaltic irregular veining.

Interbedded / Intermixed --
DOL / DOL (Calc) & CHERT

DOL / Dol (Calc) - some Lt/ mostly Med Tan. few pcs: Pale Grayish Tan. Sing/ some Mixed. Micro-Re-xln (micro-subuhedral xtals). mixture of: xln and some sucrosic por. partly Firm. No/ tr vis por.

CHERT - Off White, Lt Gray, Silvery Gray, Drusy Gray, and Tans. Mot in part -or- Mixed. Opaque. Misc minute Inclusions. mostly No trip, tr part por.

LS - tr Blue Green, mostly Tans. Sing. tr XF-/ mostly Micro-xln. xln por. No/ tr Re-xln. tr chert as above. Firm/ Dense in part.

SH - Blackish Gray, Black. Sing. Massive. No/ tr v minute pyrite.

DOL - Med Tan, some Pale Lt Tannish Gray. Sing/ tr Mixed. mixture of: Mirco-Re-xln and F/XF subuhedral xtals. xln & some vuggy por. Fair odor. Rare gas bubble ---->
Add: CHERT - White. Sing. Opaque. No inclusions. F/XF, SR/R Nodules.

DOL (8) - Tan. Sing. tr M/F & XF subuhedral xtals. Friable. Fair to Good vis por. Faint odor. No free oil or gas. Asphaltic infill. Weak Pos cut & residual. Weak Pos acid & residual

DOL - Med Tan. some Pale Lt Gray & Lt Grayish Off White with depth. Sing. mixture of: Micro-Re-xln and F/XF subuhedral xtals. xln & tr vuggy por. [tr CHERT - Off White, Lt/Med Gray. Mixed/some Sing. Opaque. No/ tr minute inclusions. No trip.] Highly Friable. mixture of: Fair/ Good vis por.

DOL - Med Tan. Sing. XF-/Micro-Re-xln. xln por. No/ tr vis por.

xxxxx CFS @ 2,625': 30" xxxxx

-- B / COWLEY
2,731' (- 1,364')

xxxxx CFS @ 2,641': 30" xxxxx

^--- S/T to collars.
^--- CHC:
Work Kelly (15').
Check sample box for Volume
& Type of Fill.
^--- Hole Dev:
0.25 deg @ 2,741'

^--- DST #1
2,741' (DST #1) -
Vis: 66 Wt: 9.4 Wtr Loss: 7.2
PV: 25 YP: 24 Gels: 8/19
pH: 9.0 Cl (800) Ca (40)
Solids: 7.8% LCM: 3#

Vis: 55
Wt: 9.4

(2,850' Sample is first complete
shale showing.)

Vis: 55
Wt: 9.4

DST #2

Arbuckle --- 2,862' - 2,881'

Recovery: 2,022' Gassy OIL
(5%G, 95%O)

32 deg API @ 70 deg F

IFP: 227# - 482# / 30"
ISIP: 985# / 60"
FFP: 498# - 482# / 40"
FSIP: 979# / 60"
121 deg F
MH: 1,337# - 1,290#

IF: BOB in 2 minutes.
ISI: No blow back.
FF: BOB 30 seconds.
FSI: No blow back.

-- ARBUCKLE

2,861' (-1,494')

Vis: 56
Wt: 9.4

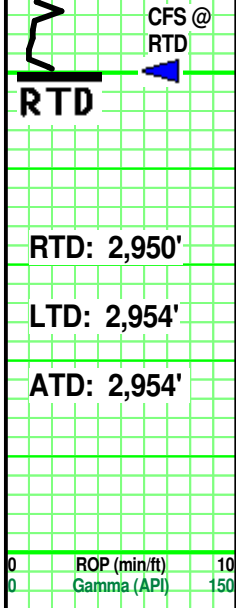
DOL - No free oil. Spotted/ tr uniform Med Brown/ Black stain. tr asphaltic infill. No/ tr cut & residual. No/ tr acid & residual.

xxxxx CFS @ 2,881': 30" xxxxx

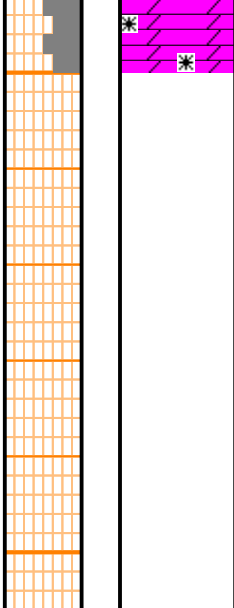
^--- DST #2

2,881' (DST #2) -
Vis: 63 Wt: 9.4 Wtr Loss: 7.2
PV: 20 YP: 18 Gels: 11/22
pH: 8.5 Cl (850) Ca (60)
Solids: 8.4% LCM: 4#

Vis: 56
Wt: 9.4



2950



MARGARET #1-29
1,225' FNL & 1,065' FWL 29-T28S-R9E
Elk County, Kansas

MURFIN DRILLING CO., INC.
Wichita, Kansas

xxxxxxxxxx RTD xxxxxxxxxxxx
^-- CFS @ RTD: 30"
^-- CHC: 45"
Work Kelly (15")
^-- Hole Dev:
0.75 deg @ RTD.
^-- E-Log.
[Midwest Wireline]

Geologist:
Curtis Covey
COVEY - The Well Watchers
Well Number: 1,213



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co, Inc.**

250 N Water STE 300
Wichita, KS 67202

ATTN: Curtis Covey

Margaret #1-29

29/28/9

Start Date: 2023.04.16 @ 02:08:00

End Date: 2023.04.16 @ 14:09:47

Job Ticket #: 70657 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.04.18 @ 10:16:31



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co, Inc.

29/28/9

250 N Water STE 300
Wichita, KS 67202

Margaret #1-29

Job Ticket: 70657

DST#: 1

ATTN: Curtis Covey

Test Start: 2023.04.16 @ 02:08:00

GENERAL INFORMATION:

Formation: **Kinderhook**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:46:02

Time Test Ended: 14:09:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Chirs Hagman

Unit No: 69

Interval: 2732.00 ft (KB) To 2741.00 ft (KB) (TVD)

Total Depth: 2741.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1368.00 ft (KB)

1355.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6752 Inside

Press@RunDepth: 132.41 psig @ 2733.00 ft (KB)

Start Date: 2023.04.16

End Date:

2023.04.16

Start Time: 02:08:01

End Time:

14:09:47

Capacity: psig

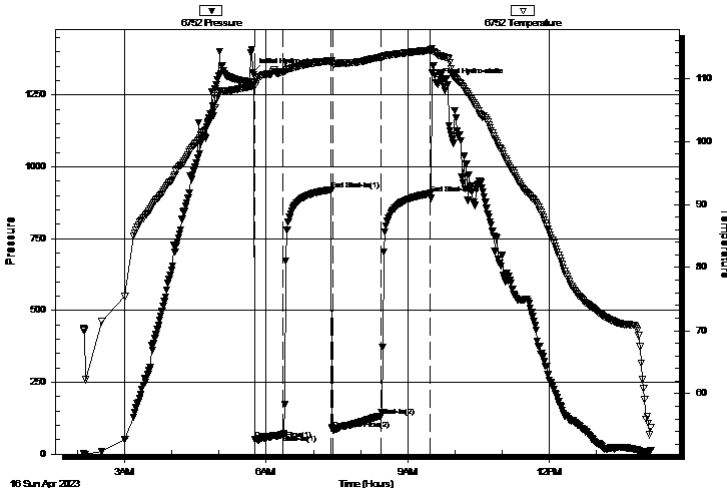
Last Calib.: 1899.12.30

Time On Btm: 2023.04.16 @ 05:43:02

Time Off Btm: 2023.04.16 @ 09:35:32

TEST COMMENT: IF: 30 min., strong building blow , 10 inches
IS: 60 min., blow back 1 min., .4 inches
FF: 60 min., BOB 50 min., strtrng building blow , 13 inches
FS: 60 min., blow back 1 min., 1 inch

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1328.46	108.82	Initial Hydro-static
3	51.50	108.83	Open To Flow (1)
39	69.09	110.98	Shut-In(1)
100	920.40	112.74	End Shut-In(1)
102	85.46	112.33	Open To Flow (2)
163	132.41	113.32	Shut-In(2)
226	907.41	114.44	End Shut-In(2)
233	1293.25	113.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	gassy oil 5%G,95%O	1.33
30.00	oily mud 5%O,95%O	0.15

Gas Rates

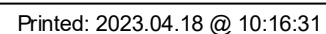
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



ATTN: Curtis Covey

KB to GR/CF: 13.00 ft

TEST COMMENT: IF: 30 min., strong building blow , 10 inches
IS: 60 min., blow back 1 min., .4 inches
FF: 60 min., BOB 50 min., strtrong building blow , 13 inches
FS: 60 min., blow back 1 min., 1 inch





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co, Inc.

29/28/9

250 N Water STE 300
Wichita, KS 67202

Margaret #1-29

Job Ticket: 70657

DST#: 1

ATTN: Curtis Covey

Test Start: 2023.04.16 @ 02:08:00

Tool Information

Drill Pipe:	Length: 2172.00 ft	Diameter: 3.80 inches	Volume: 30.47 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 85000.00 lb
		Total Volume:	33.13 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	2732.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			2707.00	
Hydraulic tool	5.00			2712.00	
Isolator Sub	3.00			2715.00	
Jars	5.00			2720.00	
Safety Joint	3.00			2723.00	
Packer	5.00			2728.00	30.00 Bottom Of Top Packer
Packer	4.00			2732.00	
Stubb	1.00			2733.00	
Recorder	0.00	6752	Inside	2733.00	
Recorder	0.00	6751	Outside	2733.00	
Pickup sub perf	5.00			2738.00	
Bullnose	3.00			2741.00	9.00 Bottom Packers & Anchor

Total Tool Length: 39.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co, Inc.

29/28/9

250 N Water STE 300
Wichita, KS 67202

Margaret #1-29

Job Ticket: 70657

DST#: 1

ATTN: Curtis Covey

Test Start: 2023.04.16 @ 02:08:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 63.00 sec/qt

Water Loss: 7.79 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

31 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	gassy oil 5%G,95%O	1.328
30.00	oily mud 5%O,95%O	0.148

Total Length: 300.00 ft Total Volume: 1.476 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API=30@70F=31api

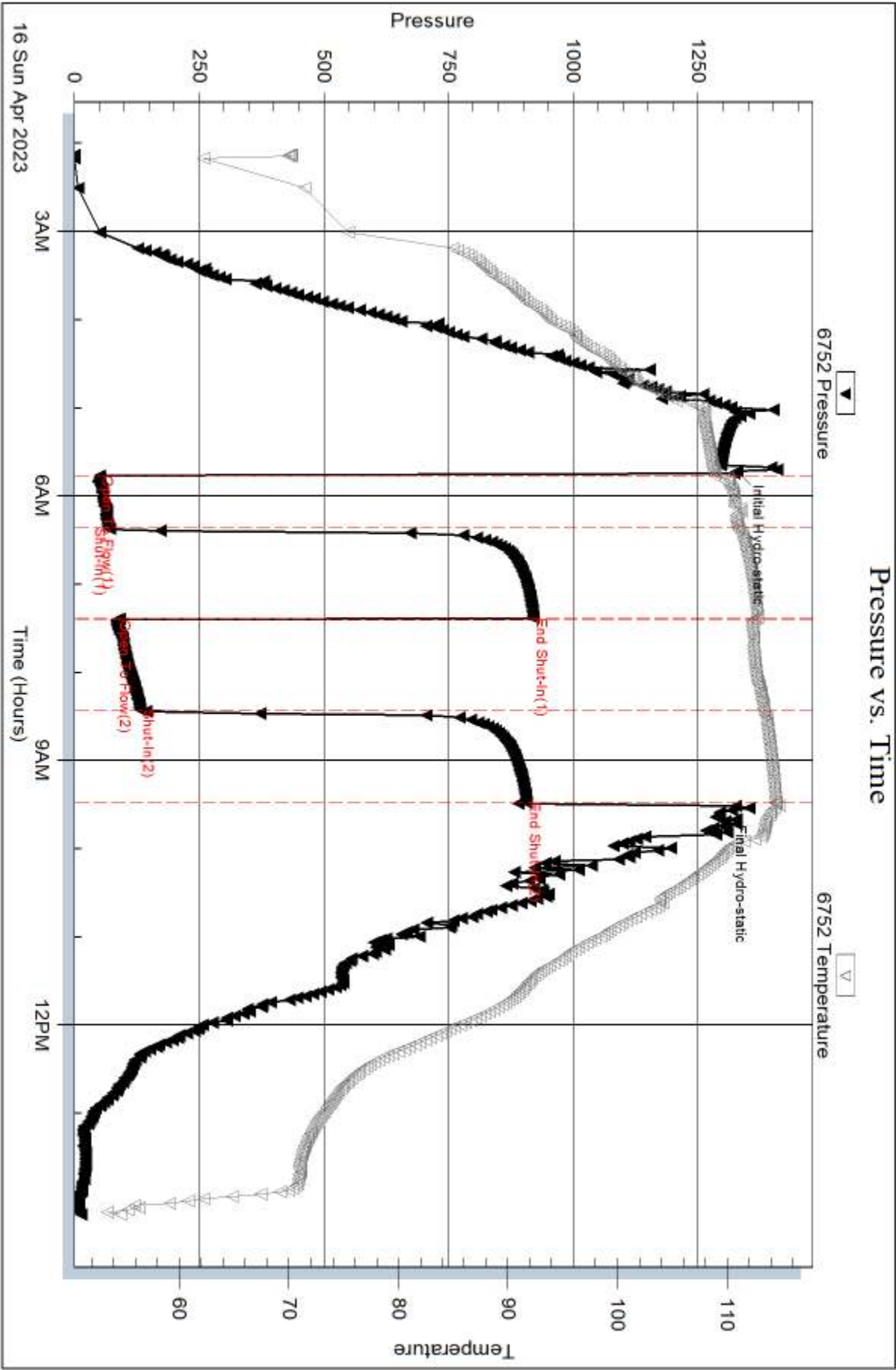
Serial #: 6752

Inside

Murfin Drilling Co., Inc.

Margaret #1-29

DST Test Number: 1

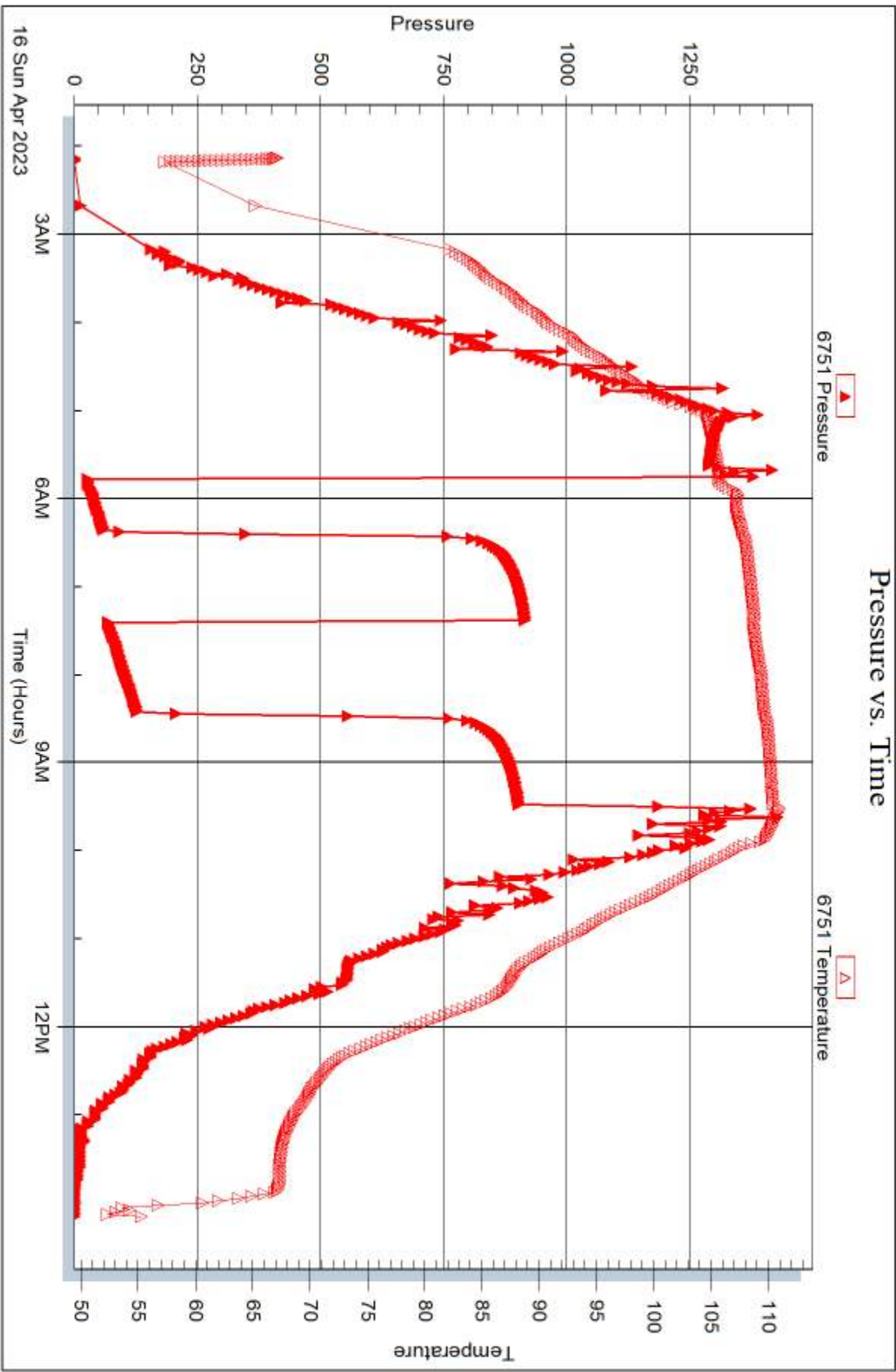


Serial #: 6751

Outside Murfin Drilling Co., Inc.

Margaret #1-29

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co, Inc.**

250 N Water STE 300
Wichita, KS 67202

ATTN: Curtis Covey

Margaret #1-29

29/28/9

Start Date: 2023.04.17 @ 04:24:00

End Date: 2023.04.17 @ 18:53:32

Job Ticket #: 70658 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.04.18 @ 10:15:54



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co, Inc.

29/28/9

250 N Water STE 300
Wichita, KS 67202

Margaret #1-29

Job Ticket: 70658

DST#: 2

ATTN: Curtis Covey

Test Start: 2023.04.17 @ 04:24:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:36:17

Time Test Ended: 18:53:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 2862.00 ft (KB) To 2881.00 ft (KB) (TVD)

Total Depth: 2881.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1368.00 ft (KB)

1355.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6752 Inside

Press@RunDepth: 741.59 psig @ 2863.00 ft (KB)

Start Date: 2023.04.17

End Date:

2023.04.17

Start Time: 04:24:01

End Time:

18:53:32

Capacity: psig

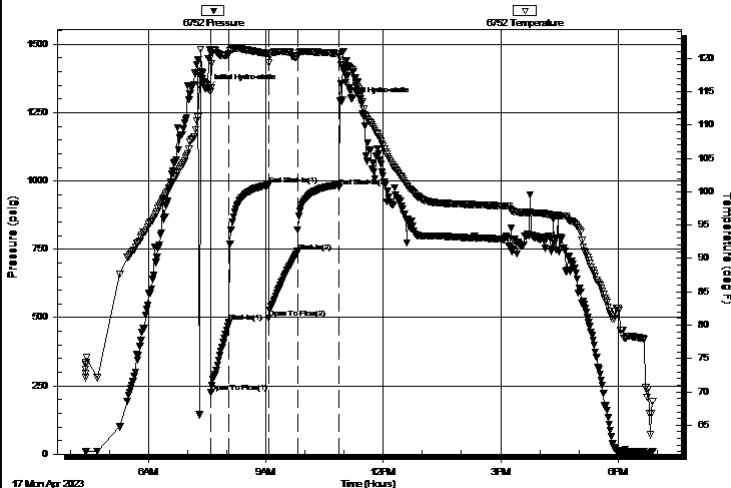
Last Calib.: 2023.04.10

Time On Btm: 2023.04.17 @ 07:30:17

Time Off Btm: 2023.04.17 @ 10:56:17

TEST COMMENT: IF: 30 min., BOB 2 min., strong building blow , 221 inches
IS: 60 min., no blow back
FF: 40 min., BOB 30 sec., strong building blow , 260 inches
FS: 60 min., no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1336.71	115.82	Initial Hydro-static
6	226.88	115.61	Open To Flow (1)
34	482.45	120.67	Shut-In(1)
95	985.25	120.63	End Shut-In(1)
95	498.16	119.30	Open To Flow (2)
138	741.59	120.28	Shut-In(2)
203	979.35	120.69	End Shut-In(2)
206	1290.03	118.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2022.00	gassy oil 5%G, 95%O	23.44

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

29/28/9

250 N Water STE 300
Wichita, KS 67202

Margaret #1-29

Job Ticket: 70658

DST#: 2

ATTN: Curtis Covey

Test Start: 2023.04.17 @ 04:24:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:36:17

Time Test Ended: 18:53:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 2862.00 ft (KB) To 2881.00 ft (KB) (TVD)

Total Depth: 2881.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1368.00 ft (KB)

1355.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 2863.00 ft (KB)

Start Date: 2023.04.17

End Date:

2023.04.17

Start Time: 04:24:01

End Time:

18:53:32

Capacity: psig

Last Calib.:

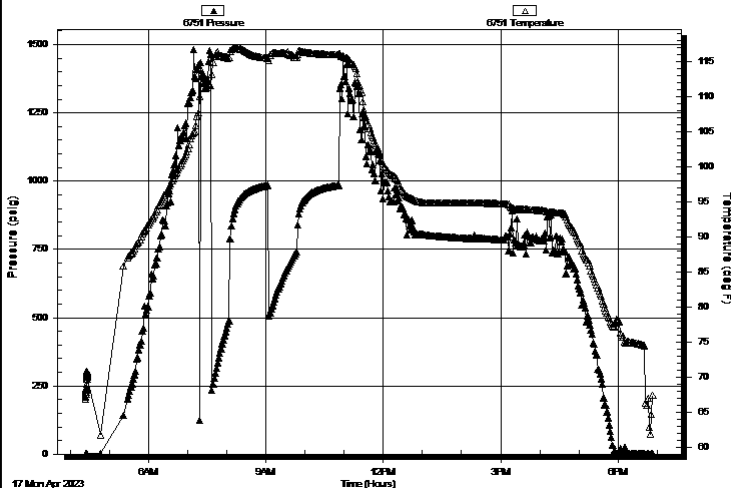
1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 30 min., BOB 2 min., strong building blow , 221 inches
IS: 60 min., no blow back
FF: 40 min., BOB 30 sec., strong building blow , 260 inches
FS: 60 min., no blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2022.00	gassy oil 5%G, 95%O	23.44

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co, Inc.

29/28/9

250 N Water STE 300
Wichita, KS 67202

Margaret #1-29

Job Ticket: 70658

DST#: 2

ATTN: Curtis Covey

Test Start: 2023.04.17 @ 04:24:00

Tool Information

Drill Pipe:	Length: 2296.00 ft	Diameter: 3.80 inches	Volume: 32.21 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose:	90000.00 lb
		Total Volume:	34.87 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	80000.00 lb
Depth to Top Packer:	2862.00 ft			Final	83000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	49.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			2837.00	
Hydraulic tool	5.00			2842.00	
Isolator Sub	3.00			2845.00	
Jars	5.00			2850.00	
Safety Joint	3.00			2853.00	
Packer	5.00			2858.00	30.00 Bottom Of Top Packer
Packer	4.00			2862.00	
Stubb	1.00			2863.00	
Recorder	0.00	6752	Inside	2863.00	
Recorder	0.00	6751	Outside	2863.00	
Pickup sub perf	5.00			2868.00	
Perforations	10.00			2878.00	
Bullnose	3.00			2881.00	19.00 Bottom Packers & Anchor

Total Tool Length: 49.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co, Inc.

29/28/9

250 N Water STE 300
Wichita, KS 67202

Margaret #1-29

Job Ticket: 70658

DST#: 2

ATTN: Curtis Covey

Test Start: 2023.04.17 @ 04:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 66.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

31 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2022.00	gassy oil 5%G, 95%O	23.444

Total Length: 2022.00 ft Total Volume: 23.444 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API=32@70F=31

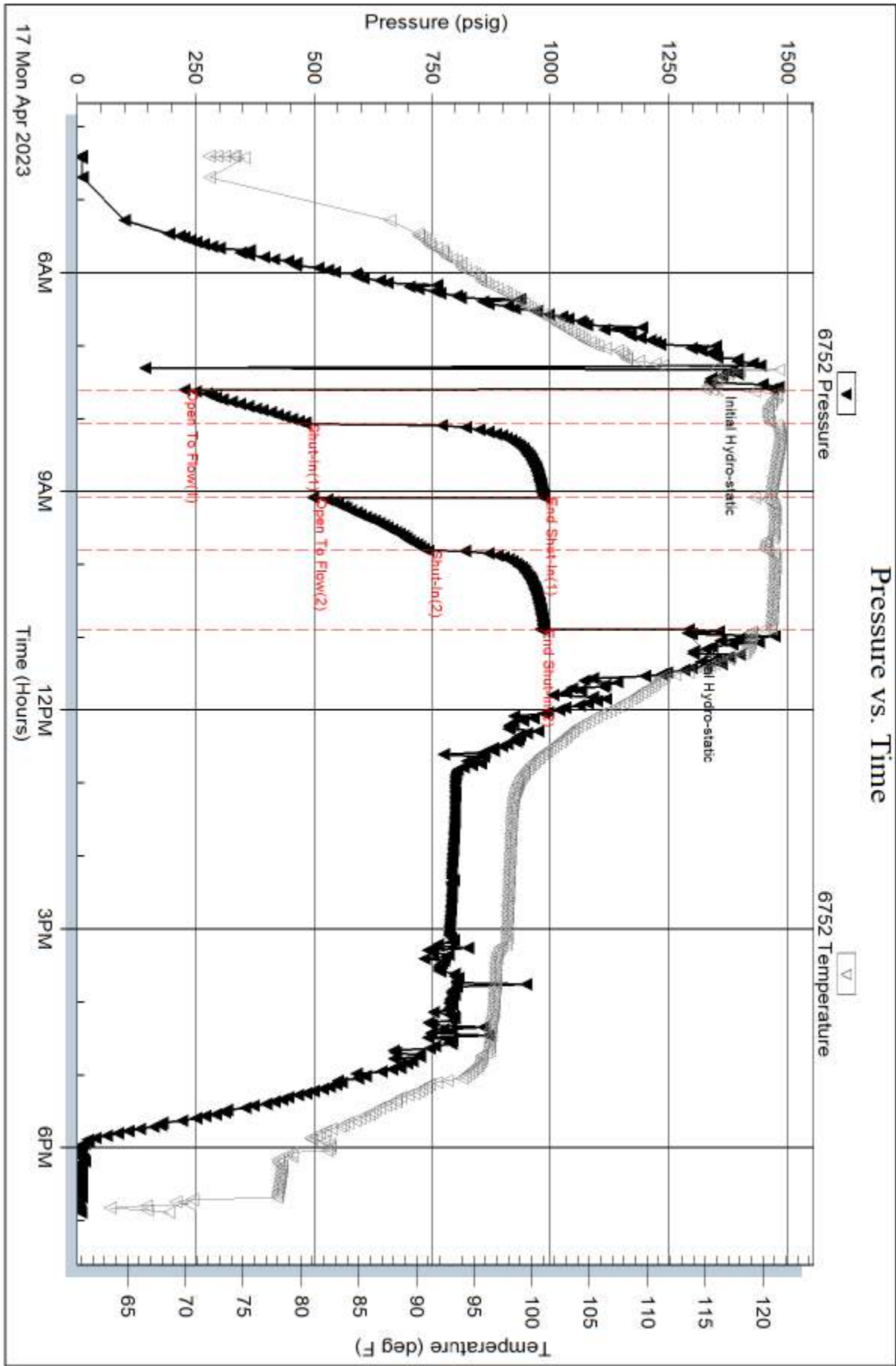
Serial #: 6752

Inside

Murfin Drilling Co., Inc.

Margaret #1-29

DST Test Number: 2

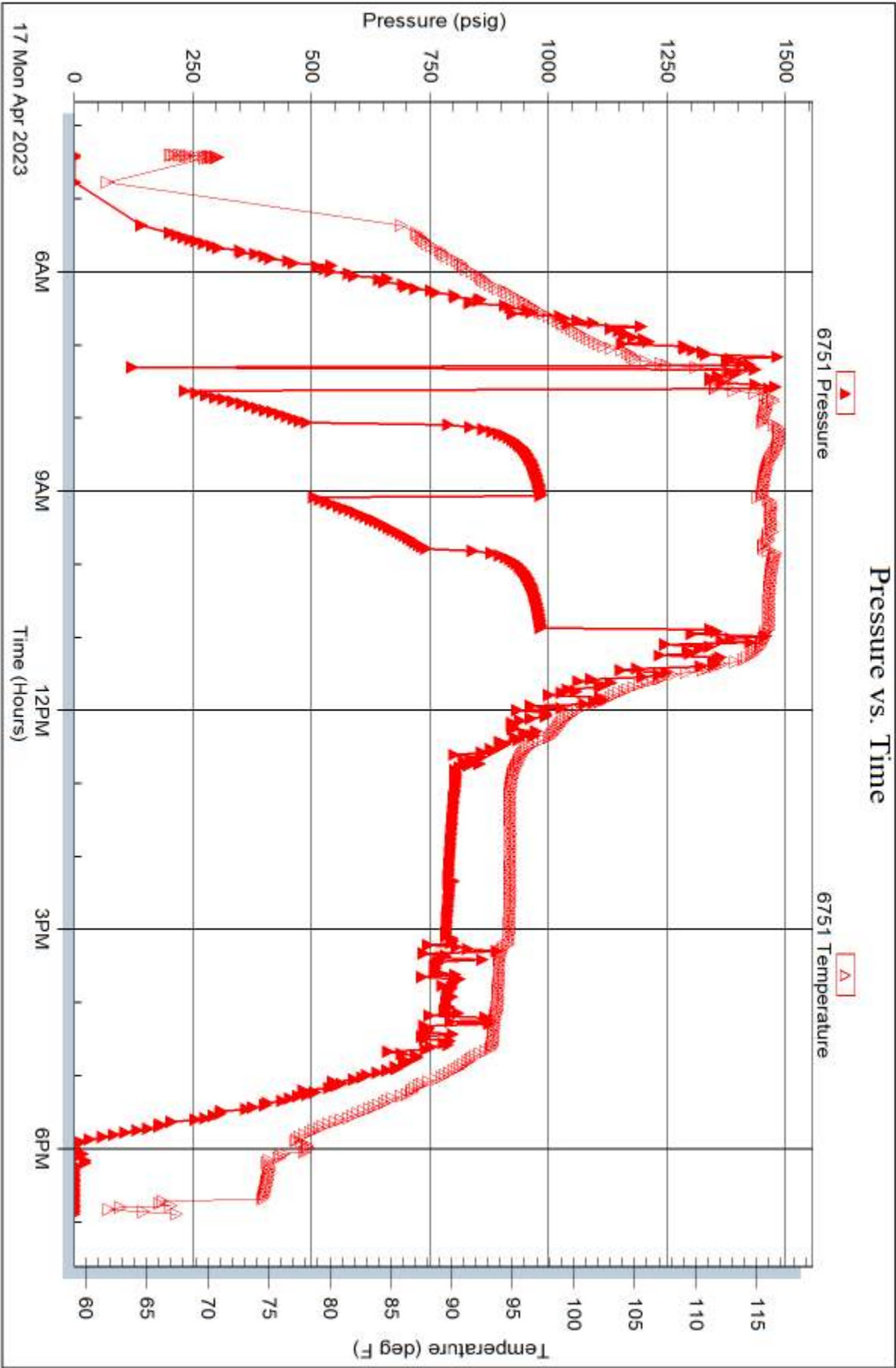


Serial #: 6751

Outside Murfin Drilling Co, Inc.

Margaret #1-29

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70657

Well Name & No.	Margaret 1-29	Test No.	1	Date	
Company	Murfin Drilling Co, Inc.	Elevation	1368	KB	1355 GL
Address	250 N Water St. 300 Wichita, KS 67202				
Co. Rep / Geo	Curtis Covey	Rig	Murfin #116		
Location: Sec.	29	Twp	28	Rge.	9
Co.	5116	State	KS		

Interval Tested	2732-2741	Zone Tested	Kindershook LM.		
Anchor Length	9'	Drill Pipe Run	2172	Mud Wt.	95
Top Packer Depth	2727	Drill Collars Run	540	Vis	63
Bottom Packer Depth	2732	Wt. Pipe Run	N.A.	WL	7.8
Total Depth	2741	Chlorides	1000	ppm System	LCM 2 #

Blow Description IF: 30 min, strong building blow, 10 inches
ISD: 60 min, blow back 1 min, 4 inches
EF: 60 min, BOB 50 min, strong building blow, 13 inches
FSI: 60 min, Blow back 1 min, 1 inch

Rec	30	Feet of	oily mud	%gas	5	%oil	%water	95	%mud
Rec	270	Feet of	gassy oil	%gas	5	95	%oil	%water	%mud
Rec		Feet of		%gas		%oil	%water	%mud	
Rec		Feet of		%gas		%oil	%water	%mud	
Rec		Feet of		%gas		%oil	%water	%mud	
Rec		Feet of		%gas		%oil	%water	%mud	
Rec		Feet of		%gas		%oil	%water	%mud	

Rec Total	300	BHT	114	Gravity	31	API	30	@	70	*F Chlorides		ppm
Initial Hydrostatic	1328	☒ Test	conv. 4600 - 1800	☐ Ruined Shale Packer								
Initial Flow	52 to 69	☒ Jars	300	☐ Ruined Packer								
Initial Shut-In	920	☐ Circ Sub		☐ Hotel								
Final Flow	85 to 132	☐ Hourly Standby		☒ EM Tool Successful								
Final Shut-In	907	☒ Mileage	x 270 (Perk)	☒ Accessibility	150							
Final Hydrostatic	1293	☐ Sampler	137mi 239.75 48mi 84	☐ Gas Sample								
	T-On Location	0100	☐ Straddle	☐ Oversized Hole								
Initial Flow	30	T-Started	0200	☒ Shale Packer	X 1.0	250	☐ Sub Total	150				
Initial Shut-In	60	T-Open		☐ Extra Packer								
Final Flow	60	T-Pulled		☐ Total	3823.75							
Final Shut-In	60	T-Out	1400	☐ Extra Recorder								
Comments	bats @ 0208											

Approved By _____ Our Representative Chris Hogan

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. 70658

Well Name & No. <u>Margaret 1-29</u>	Test No. <u>2</u>	Date <u>04-17-23</u>
Company <u>Murfin Drilling Co, Inc.</u>	Elevation <u>1368</u>	KB <u>1365</u> GL
Address <u>250 N Water STE 300 Wichita, KS 67202</u>		
Co. Rep / Geo <u>Curtis Covey</u>	Rig <u>Murfin</u>	
Location: Sec. <u>29</u> Twp <u>28</u> Rge. <u>9</u>	Co. <u>21k</u>	State <u>KS</u>

Interval Tested <u>2862-2881</u>	Zone Tested <u>Arbuckle</u>
Anchor Length <u>19'</u>	Drill Pipe Run _____ Mud Wt. <u>9.4</u>
Top Packer Depth <u>2857</u>	Drill Collars Run <u>540</u> Vis <u>66</u>
Bottom Packer Depth <u>2862</u>	Wt. Pipe Run <u>N.A.</u> WL <u>7.2</u>
Total Depth <u>2881</u>	Chlorides <u>800</u> ppm System LCM <u>3</u> #

Blow Description IF: 30 min., BOB 2 min., strong building blow, 221 inches
ISL: 60 min., no blow back
FP: 40 min., BOB 30 sec., strong building blow, 260 inches
ESL: 60 min., no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>2022</u>	<u>gassy oil</u>	<u>5</u>	<u>95</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2022 BHT 121 Gravity 31 API RW 32 @ 70 °F Chlorides _____ ppm

Initial Hydrostatic 1337 ☒ Test conv. 4600 - 1800 ☐ Ruined Shale Packer _____

Initial Flow 227 to 482 ☒ Jars 300 ☐ Ruined Packer _____

Initial Shut-In 985 ☒ Circ Sub 50 ☒ Hotel _____

Final Flow 498 to 742 ☐ Hourly Standby _____ ☒ EM Tool Successful good

Final Shut-In 979 ☒ Mileage x 90 (note 1) ☐ Accessibility 150

Final Hydrostatic 1290 ☐ Sampler 84 + 239.75 ☐ Gas Sample _____

T- On Location 0400 ☐ Straddle _____ ☐ Oversized Hole _____

Initial Flow 30 T-Started 0430 ☒ Shale Packer x 1.0 250 ☐ Sub Total 150

Initial Shut-In 60 T-Open 0740 ☐ Extra Packer _____ ☐ Total 3873.75

Final Flow 40 T-Pulled 1050 ☐ Extra Recorder _____ ☐ Tool Loaded _____ @ _____

Final Shut-In 60 T-Out 1900 ☐ Day Standby _____ ☐ MP/DST Disc't _____

Comments 2424

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.