

Form	ACO1 - Well Completion
Operator	IA Operating, Inc.
Well Name	DORZWEILER 19-1
Doc ID	1729324

All Electric Logs Run

DIL
CDN
SON
Micro

Form	ACO1 - Well Completion
Operator	IA Operating, Inc.
Well Name	DORZWEILER 19-1
Doc ID	1729324

Tops

Name	Top	Datum
Anhydrite	1593	+576
Topeka	3203	-1034
Heebner	3415	-1246
Toronto	3442	-1273
Lansing	3454	-1285
BKC	3670	-1501
Arbuckle	3757	-1588
LTD	3818	-1649

Form	ACO1 - Well Completion
Operator	IA Operating, Inc.
Well Name	DORZWEILER 19-1
Doc ID	1729324

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	17.5	8.625	23	221	80/20 Poz	150	2% Gel, 3% CC

Federal Tax I.D.# 20-2886107

No. 3764

Date 8-29-23		Sec. 19	Twp. 11	Range 20	County Ellis	State KS	On Location	Finish 3:45 PM
					Location Ellis SW 20 2N			
Lease DORZweiler		Well No. 19-1			Owner			
Contractor Discovery 2					To Quality Oilwell Cementing, Inc.			
Type Job SURFACE					You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size 12 1/4		T.D. 222			Charge To F.A. Operating			
Csg. 8 5/8		Depth			Street			
Tbg. Size		Depth			City State			
Tool		Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. 15		Shoe Joint			Cement Amount Ordered 150y 80/20 3-2			
Meas Line		Displace 13.18						
EQUIPMENT								
Pumptrk		No.	Cementer Bill		Common 120			
			Helper		Poz. Mix 30			
Bulktrk		No.	Driver		Gel. 3			
			Driver JORDAN					
Bulktrk		No.	Driver		Calcium 6			
			Driver DOUG					
JOB SERVICES & REMARKS					Hulls			
Remarks:					Salt			
Rat Hole					Flowseal			
Mouse Hole					Kol-Seal			
Centralizers					Mud CLR 48			
Baskets					CFL-117 or CD110 CAF 38			
D/V or Port Collar					Sand			
Set c 222					Handling 159			
Cement w/ 150y					Mileage			
Pump plug w/ 13.18 bbls					FLOAT EQUIPMENT			
Cement Did CIRC					Guide Shoe			
					Centralizer			
					Baskets			
					AFU Inserts			
					Float Shoe			
					Latch Down			
					Pumptrk Charge Surface			
					Mileage 56			
Signature [Signature]					Tax			
					Discount			
					Total Charge			

OPERATOR

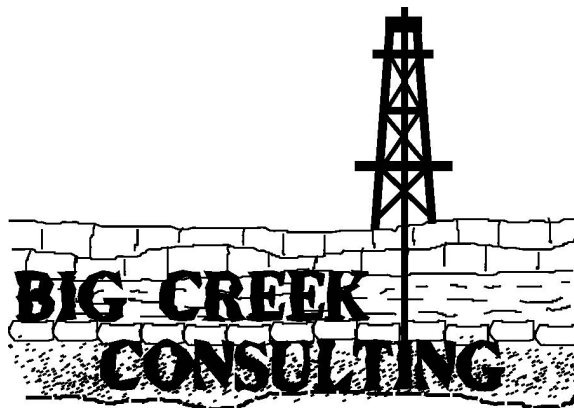
Company: IA OPERATING, INC.
Address: 785 W COVELL RD
STE. 200
EDMOND, OK 73003-2389
Contact Geologist: JONATHAN ALLEN
Contact Phone Nbr: (316) 721-0036
Well Name: DORZWEILER #19-1
Location: SW NE NE NE Sec. 19 - 11S - 20W
API: 15-051-27089
Pool:
State: KANSAS
Field: NICHOLSON NORTHEAST
Country: USA

Scale 1:240 Imperial

Well Name: DORZWEILER #19-1
Surface Location: SW NE NE NE Sec. 19 - 11S - 20W
Bottom Location:
API: 15-051-27089
License Number: 33335
Spud Date: 8/29/2023 Time: 10:15 AM
Region: ELLIS COUNTY
Drilling Completed: 9/4/2023 Time: 5:20 PM
Surface Coordinates: 363' FNL & 596' FEL
Bottom Hole Coordinates:
Ground Elevation: 2161.00ft
K.B. Elevation: 2169.00ft
Logged Interval: 3000.00ft To: 3820.00ft
Total Depth: 3820.00ft
Formation: LANSING; KANSAS CITY, ARBUCKLE
Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.57636
Latitude: 39.08686
N/S Co-ord: 363' FNL
E/W Co-ord: 596' FEL

LOGGED BY

Company: BIG CREEK CONSULTING, INC.
Address: 3504 DUNCAN ST
ST. JOE, MO 64507

Phone Nbr: (785) 259-3737
Logged By: GEOLOGIST

Name: JEFF LAWLER

CONTRACTOR

Contractor: DISCOVERY DRILLING
Rig #: 2
Rig Type: MUD ROTARY
Spud Date: 8/29/2023 Time: 10:15 AM
TD Date: 9/4/2023 Time: 5:20 PM
Rig Release: 9/5/2023 Time: 12:00 PM

ELEVATIONS

K.B. Elevation: 2169.00ft
K.B. to Ground: 8.00ft

Ground Elevation: 2161.00ft

NOTES

THE DORZWEILER #19-1 WAS PICKED OFF OF A SIESMIC SURVEY & RAN STRUCTURALLY HIGH TO CORRESPONDING WELLS. DUE TO RESERVOIR DEVELOPMENT & LACK OF ECONOMIC RECOVERY ON DRILL STEM TESTS IT WAS DECIDED TO PLUG & ABNANDON. DRY SAMPLES WERE SENT TO THE KANSAS GEOLOGICAL REPOSITORY BY REQUEST.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

****A CONSISTENT 3' - 4' UPHOLE CORRECTION MADE TO CORRELATE DRILL TIME TO POROSITY LOG****

WELL COMPARISON SHEET

				●				●				H				P& A 10-2003					
				MURFIN DRILLING CO.				PRATT WELL SERVICE				BEACON RESOURCES				IMPERIAL AMERICAN OIL CO.					
				DENNING R #1				DROZWEILER #1-19				KELLER A #1				ROSEMARY #17-1X					
DORZWEILER #19-1				NE SW NW 20-11-20				SW NW NE SW 19-11-20				SE NE SE 18-11-20				W2 W2 17-11-20					
		KB	2169	GL	2161	KB	2194		KB	2170		KB	2098		KB	2118					
		LOG TOPS		SAMPLE TOPS		LOG		LOG	SMPL.	COMP. CARD	LOG	SMPL.	LOGS		LOG	SMPL.	COMP. CARD	LOG	SMPL.		
FORMATION		DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.
ANHYDRITE TOP		1593	576	1597	572	1630	564	+ 12	+ 8	1590	580	- 4	- 8	1536	562	+ 14	+ 10	1552	566	+ 10	+ 6
BASE		1632	537	1636	533	1668	526	+ 11	+ 7	1630	540	- 3	- 7	1574	524	+ 13	+ 9	1593	525	+ 12	+ 8
TOPEKA		3203	-1034	3206	-1037	3238	-1044	+ 10	+ 7	3203	-1033	- 1	- 4	3142	-1044	+ 10	+ 7	3155	-1037	+ 3	+ 0
HEEBNER SHALE		3415	-1246	3420	-1251	3450	-1256	+ 10	+ 5	3418	-1248	+ 2	- 3	3353	-1255	+ 9	+ 4	3367	-1249	+ 3	- 2
TORONTO		3442	-1273	3445	-1276	3473	-1279	+ 6	+ 3	3442	-1272	- 1	- 4					3392	-1274	+ 1	- 2
LKC		3454	-1285	3457	-1288	3488	-1294	+ 9	+ 6	3457	-1287	+ 2	- 1	3392	-1294	+ 9	+ 6	3407	-1289	+ 4	+ 1
BKC		3679	-1510	3684	-1515	3714	-1520	+ 10	+ 5	3684	-1514	+ 4	- 1	3614	-1516	+ 6	+ 1	3624	-1506	- 4	- 9
CONGLOMERATE														3649	-1551						
ARBUCKLE		3757	-1588	3760	-1591	3791	-1597	+ 9	+ 6	3772	-1602	+ 14	+ 11	3712	-1614	+ 26	+ 23	3702	-1584	- 4	- 7
TOTAL DEPTH		3818	-1649	3820	-1651	3891	-1697	+ 48	+ 46	3870	-1700	+ 51	+ 49	3740	-1642	- 7	- 9	3798	-1680	+ 31	+ 29

DST #1 LKC C - F 3480' - 3550'



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Uploading recovery &
pressures

DATE

September
01
2023

DST #1

Formation: Lansing
"C-F"

Test Interval: 3480 -
3550'

Total Depth: 3550'

Time On: 21:53 09/01

Time Off: 05:38 09/02

Time On Bottom: 01:10 09/02

Time Off Bottom: 03:40 09/02

Recovered

Foot

65

BBLs

0.92495

Description of Fluid

SLOCM

Gas %

0

Oil %

5

Water %

0

Mud %

95

Total Recovered: 65 ft

Total Barrels Recovered: 0.92495

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure

1706

PSI

BBL 0.5

Initial Flow

18 to 31

PSI

Initial Closed in Pressure

382

PSI

Final Flow Pressure

32 to 41

PSI

Final Closed in Pressure

370

PSI

0

Final Closed in Pressure 370 PSI
Final Hydrostatic Pressure 1655 PSI
Temperature 112 °F
Pressure Change Initial 3.0 %
Close / Final Close

Recovery

Gas 0% Oil 5% Water 0% Mud 95%

GIP cubic foot volume: 0

DST #1 LKC C - F 3480' - 3550'



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Uploading recovery &
pressures

DATE

September
01
2023

DST #1 Formation: Lansing "C-F" Test Interval: 3480 - 3550' Total Depth: 3550'

Time On: 21:53 09/01 Time Off: 05:38 09/02
Time On Bottom: 01:10 09/02 Time Off Bottom: 03:40 09/02

Electronic Volume
Estimate:
62'

1st Open
Minutes: 30
Current Reading:
5.3" at 30 min
Max Reading: 5.3"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
1.4" at 30 min
Max Reading: 1.4"

2nd Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

Inside Recorder



● Gas 0% ● Oil 50% ● Water 0% ● Mud 50%

GIP cubic foot volume: 0

DST #2 LKC H - L 3580' - 3690'



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE
September
02
2023

DST #2	Formation: Lansing "H-L"	Test Interval: 3580 - 3690'	Total Depth: 3690'
--------	-----------------------------	--------------------------------	--------------------

Time On: 19:58 09/02 Time Off: 04:37 09/03
Time On Bottom: 21:59 09/02 Time Off Bottom: 02:29 09/03

Electronic Volume
Estimate:
126'

1st Open
Minutes: 30
Current Reading:
6.7" at 30 min
Max Reading: 6.7"

1st Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

2nd Open
Minutes: 60
Current Reading:
6.7" at 60 min
Max Reading: 6.7"

2nd Close
Minutes: 120
Current Reading:
0" at 120 min
Max Reading: 0"

Inside Rec order





ROCK TYPES

	Cht		Dolsec		shale, grn		Shbblk
	Chtcongl		Lmst fw7>		shale, gry		shale, red
	Dolprim		Dol Lime		Carbon Sh		Arg/Shale

ACCESSORIES

MINERAL

• Sandy

FOSSIL

 Oolite
 Oomoldic

STRINGER

 Chert

OTHER SYMBOLS

MISC

DR Daily Report

 Digital Photo

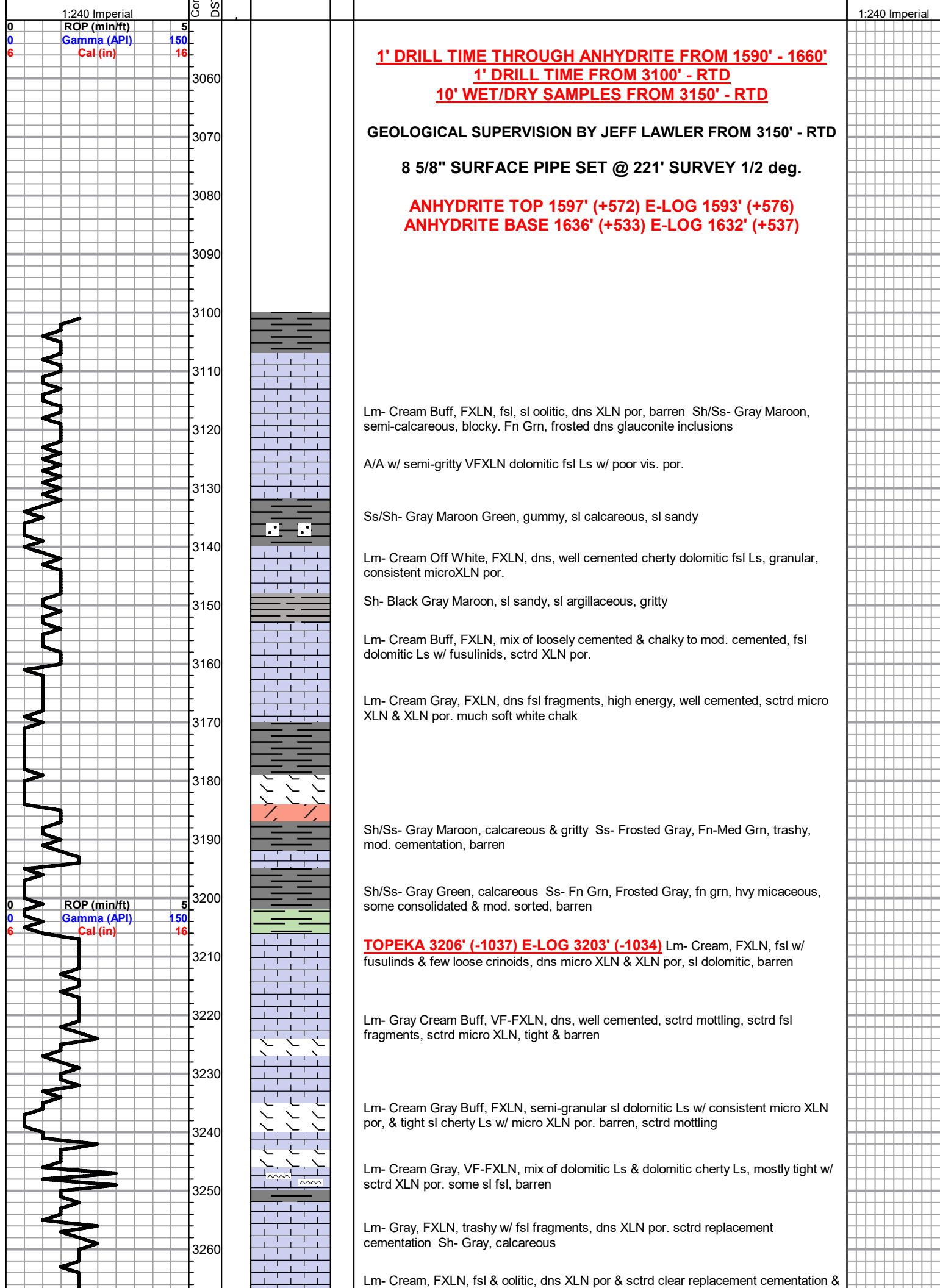
 Document

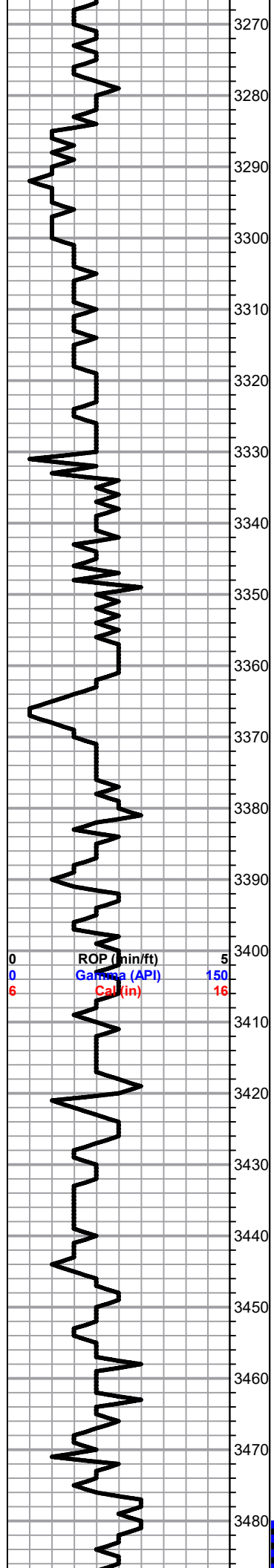
 Folder Link Vertical Log File Horizontal Log File Core Log File Drill Cuttings Rpt

DST

DST Int
DST alt

Curve Track #1		Depth Intervals	DST	Lithology	Oil Show	Geological Descriptions	Curve Track #3
ROP (min/ft)							
Gamma (API)							
Cal (in)							





ROP (min/ft)
Gamma (API)
Cal (in)

0
0
6

5
150
16

6

16

reXLN veins, barren

A/A w/ Cream VFXLN, cherty Ls w/ min. vis. por & dolomitic Ls w/ consistent microXLN por, all barren

Lm- Cream Off White, FXLN, granular well dev. dolomitic Ls w/ consistent XLN por throughout, loosely cemented, sctrd mottling, clean & barren, some soft white chalk

Lm- Cream, VFXLN, dns cherty Ls w/ poor vis. por. sctrd speckling

Lm- Cream, FXLN, fsl dolomitic Ls w/ sctrd mottling, sctrd-dns XLN por, barren, few loose fusulinids

Lm- Off White, VF-FXLN, dns, well cemented, tight w/ sctrd XLN por (possible fracturing), clean & barren, some soft white chalk

Lm- Off White, FXLN, massive, fsl w/ fusulinids, well cemented, dns consitent micro XLN & sctrd XLN por, dns clear replacement cementation, barren

Sh- Black Gray Maroon, calcareous & carbonaceous, sandy, gritty

Lm- Gray Buff, VFXLN, dns well cemented cherty Ls, poorly dev. w/ min. vis.

Chert/Dol- Cream Off White Opaque, CryptoXLN-FXLN, fsl mix of fresh bedded, tight dolomitic chert & cherty Ls, all well cemented & barren

Lm- Cream, VFXLN, dns, well cemented & tight w/ sctrd micro XLN, few pcs of FXLN, Dol, sl fsl w/ dns fn ppt & dns XLN por, TR LT STN, NFO, TR ODR

Sh- Gray Maroon, calcareous & gritty

Lm/Dol- Cream Off White, FXLN, sl fsl, well cemented, sctrd XLN por, clean & barren

Dol- Off White, FXLN, sl fsl, gritty w/ dns consistent XLN por throughout, few loose fusulinids, barren

Lm- Cream, FXLN, dns XLN & sctrd reXLN por, hvy mottling, barren, some chalky in part & well dev. w/ dns fn ppt por, well cemented, barren

HEEBNER 3420' (-1251) E-LOG 3415' (-1246) Sh- Black Gray, fissile & carbonaceous, calcareous

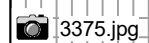
Sh- Gray Green Maroon, calcareous, waxy, gritty, argillaceous

TORONTO 3445' (-1276) E-LOG 3442' (-1273) Lm- White Off White, VF-FXLN, oolitic, poorly dev. w/ sctrd XLN por., few pcs w/ sctrd-dns por., several pcs of fresh bedded oolitic chert, all clean & barren

LKC 3457' (-1288) E-LOG 3454' (-1285) Lm/Chert- Cream Off White, Crypto-FXLN, mix of gritty sl dolomitic Ls w/ consistent microXLN por, & fsl & oolitic fresh bedded chert, all mostly tight and barren

Lm- Cream Tan, VFXLN, brittle, tight, cherty Ls w/ min. vis. por, barren

MUD-CO CK:
WT: 8.8
VIS: 52
WL: 5.8
CHLOR: 2K
LCM: 2#



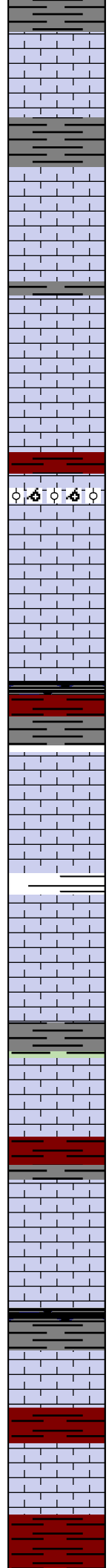
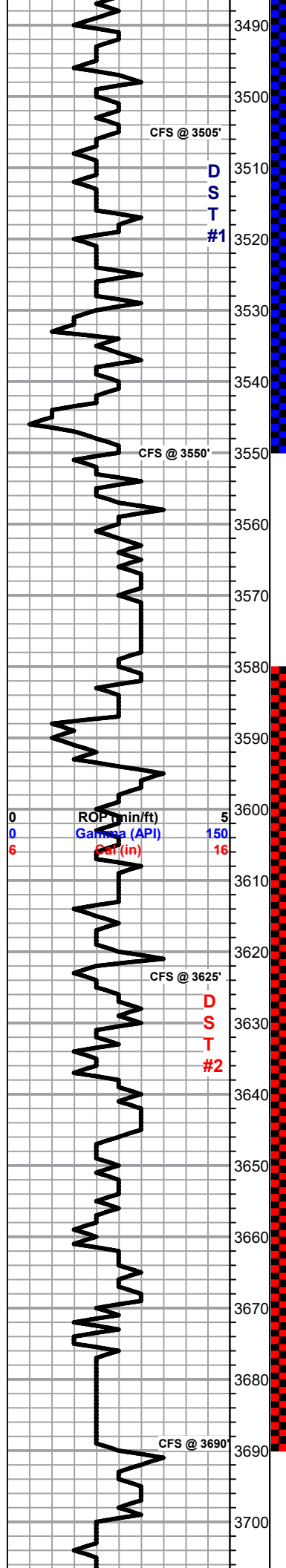
3375.jpg

SHORT TRIP
SURVEY 1 deg.
STRAP -0.95'

DST #1 LKC C-F
3480' - 3550'
30-45-30-45

65' SLOCM
(5% M, 95% M)

IFP: 18-31#
EPR: 32 11#



Lm- Buff Off White, FXLN, well cemented, dolomitic Ls w/ consistent XLN por. throughout, SCTRD DRK STN, NSFO, NODR, few pcs of fsl & oolitic Ls w/ sctrd XLN & fn ppt inter fsl por. STN A/A

Sh- Gray Green Maroon, calcareous, gritty, argillaceous

Lm- Cream Tan, VF-FXLN, mix of mod. cemented w/ dns microXLN por throughout, sl dolomitic, LT STN, NSFO, WK ODR, & few pcs of Tan packstone w/ sctrd dns ppt porosity w/ SCTRD DRK STN, NSFO, ODR A/A

Lm- Off White, FXLN, fsl, well cemented, sctrd-dns XLN por, 2 PCS W/ SCTRD DRK STN, 1 GILSONITIC, NSFO, TR ODR

Lm- Off White, FXLN, massive, fsl & oolitic, dns sctrd microXLN por, sctrd clear replacement cementation, barren

Lm- Cream Off White, FXLN, oolitic/oomoldic, sctrd XLN & vuggy por, well cemented, barren

Lm- Off White, FXLN, fsl & densely oolitic, sctrd XLN por, some w/ sctrd clear replacement cementation, vry cln & barren, some soft white chalk

Lm/Chert- Cream Tan, Crypto-FXLN, tight mix of fresh bedded vitreous chert, cherty Ls, & sl fsl Ls w/ sctrd XLN por, tight & barren

Sh- Black Gray Maroon, fissile & carbonaceous, argillaceous, earthy

Lm- Cream Off White Tan, FXLN, mix of sl fsl w/ dns sctrd XLN por, SCTRD WK STN, NSFO, NODR, & mostly tight w/ sctrd XLN por, barren, some soft white chalk

Sh- Gray Maroon, argillaceous, waxy

Lm- Tan Buff, VFXLN, dns, well cemented & brittle sl cherty Ls w/ min. vis. por.

Lm- Cream Off White, FXLN, fsl & oolitic, loosely cemented, some chalky in part, sctrd XLN & interfsl por. SCTRD DRK STN, NSFO, TRODR, mixed w/ fsl sctrd XLN por, barren & soft white chalk

Sh- Gray Maroon Green, calcareous w/ pebble inclusions, blocky

Lm- Off White, FXLN, fsl & sl oolitic, sctrd-dns XLN & sctrd fn ppt por, SCTRD DRK STN, NSFO, TR ODR, several pcs of dsn XLN por throughout dolomite, barren

Lm- Off White, FXLN, massive, loosely cemented fsl & oolitic, sctrd XLN & interfsl fn ppt por, some sl chalky, barren

BKC 3684' (-1515) E-LOG 3679' (-1510) ShSs- Maroon Gray, gritty & earthy, semi-argillaceous, shaley Ss/sandy shale

Lm- Off White Maroon, VFXLN, dns & well cemented w/ min. vis. por

Sh- Maroon Gray Green, earthy, red wash, waxy w/ pebble inclusions, calcareous

FFP: 32-41#
SIP: 382-370#
HYD: 1706-1655#
BHT: 112 deg.

3500'.jpg

3523.jpg

3535.jpg

MUD-CO CK:
WT: 9.1
VIS: 54
WL: 5.8
CHLOR: 1,800
LCM: 2#

SHORT TRIP
CTCH

DST #2 LKC H-L
3580' - 3690'
30-60-60-120

70' TOTAL FLUID
20' OIL Gr: 27.8
50' HOCM
(30% O, 70% M)

IFP: 13-26#
FFP: 31-41#
SIP: 752-666#
HYD: 1791-1772#
BHT: 113

3600.jpg

3636.jpg

3660.jpg

MUD-CO CK:
WT: 9.2
VIS: 56
WL: 5.8
CHLOR: 1,800
LCM: 1#



















DST #3.jpg



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
 County: ELLIS
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 2
 Elevation: 2161 GL
 Field Name: Nicholson NE
 Pool: Infield
 Job Number: 687
 API #: 15-051-27089

Operation:
 Test Complete

DATE
 September
03
 2023

DST #3 **Formation: Arbuckle** **Test Interval: 3732 - 3770'** **Total Depth: 3770'**

Time On: 15:06 09/03 Time Off: 23:01 09/03
 Time On Bottom: 17:18 09/03 Time Off Bottom: 21:03 09/03

Recovered

Foot	BBL S
40	0.5692
20	0.2846

Description of Fluid

SLOCHMCW
 M

Gas %

0
 0

Oil %

1
 0

Water %

50
 0

Mud %

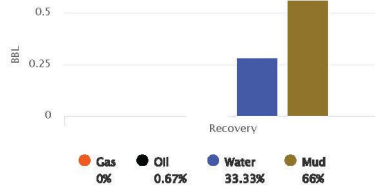
49
 100

Total Recovered: 60 ft

Total Barrels Recovered: 0.8538

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1858	PSI
Initial Flow	10 to 22	PSI
Initial Closed in Pressure	1101	PSI
Final Flow Pressure	21 to 36	PSI
Final Closed in Pressure	1085	PSI
Final Hydrostatic Pressure	1799	PSI
Temperature	114	°F

Pressure Change Initial
 Close / Final Close 1.4 %

GIP cubic foot volume: 0

DST #3_CHRT.jpg



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:
Test Complete

DATE
September
03
2023

DST #3 Formation: Arbuckle Test Interval: 3732 - 3770' Total Depth: 3770'

Time On: 15:06 09/03 Time Off: 23:01 09/03
Time On Bottom: 17:19 09/03 Time Off Bottom: 21:03 09/03

Electronic Volume
Estimate:
44'

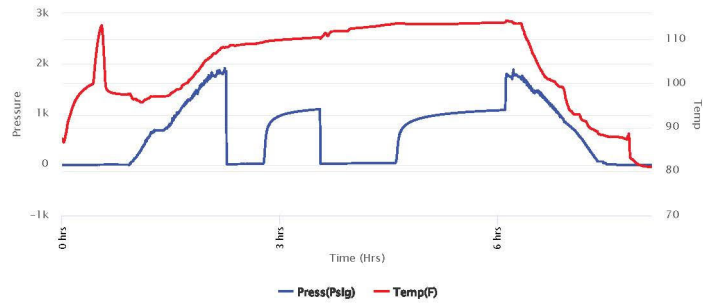
1st Open
Minutes: 30
Current Reading:
1.5" at 30 min
Max Reading: 1.5"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 60
Current Reading:
3.0" at 60 min
Max Reading: 3.0"

2nd Close
Minutes: 90
Current Reading:
0" at 90 min
Max Reading: 0"

Inside Recorder







DST #4.jpg



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:
Test Complete

DATE
September
04
2023

DST #4 Formation: Arbuckle Test Interval: 3766 - 3774' Total Depth: 3774'

Time On: 06:01 09/04 Time Off: 12:29 09/04
Time On Bottom: 08:18 09/04 Time Off Bottom: 10:48 09/04

Recovered

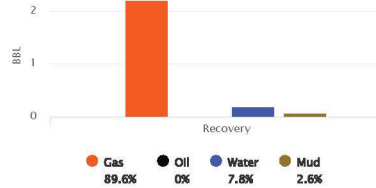
Foot	PSI/G	Description of Fluid	Gas %	Oil %	Water %	Mud %
155	2.20565	G	100	0	0	0
15	0.21345	SLMCW	0	0	90	10
3	0.04269	M	0	0	0	100

Total Recovered: 173 ft

Total Barrels Recovered: 2.46179

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1886	PSI
Initial Flow	9 to 18	PSI
Initial Closed in Pressure	1100	PSI
Final Flow Pressure	19 to 29	PSI
Final Closed in Pressure	1060	PSI
Final Hydrostatic Pressure	1729	PSI
Temperature	116	°F
Pressure Change Initial Close / Final Close	3.6	%

GIP cubic foot volume: 12.38362

DST #4_CHRT.jpg



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:
Test Complete

DATE
September
04
2023

DST #4 Formation: Arbuckle Test Interval: 3766 - 3774' Total Depth: 3774'

Time On: 06:01 09/04 Time Off: 12:29 09/04
Time On Bottom: 08:18 09/04 Time Off Bottom: 10:48 09/04

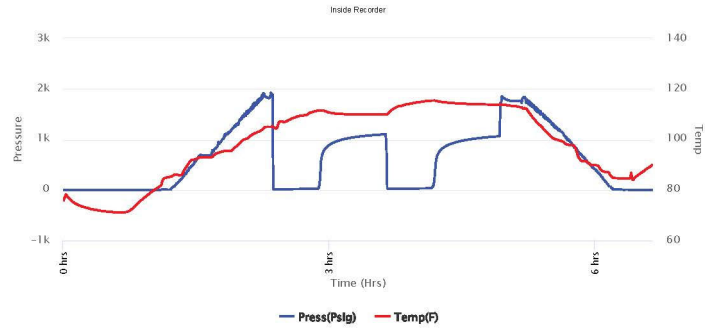
Electronic Volume
Estimate:
47"

1st Open
Minutes: 30
Current Reading:
2.9" at 30 min
Max Reading: 2.9"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
1.8" at 30 min
Max Reading: 1.8"

2nd Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"







Company: IA Operating, Inc.

Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Uploading recovery &
pressures

DATE

September
01
2023

DST #1 Formation: Lansing Test Interval: 3480 - Total Depth: 3550'
"C-F" 3550'

Time On: 21:53 09/01 Time Off: 05:38 09/02
Time On Bottom: 01:10 09/02 Time Off Bottom: 03:40 09/02

Electronic Volume
Estimate:
62'

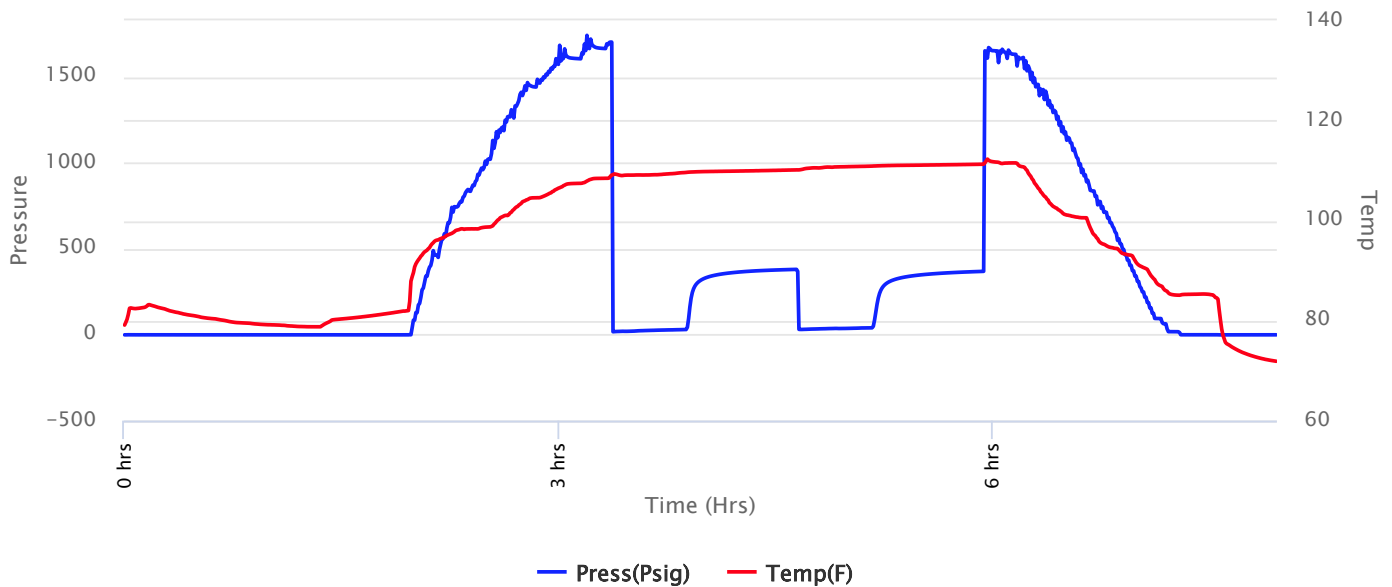
1st Open
Minutes: 30
Current Reading:
5.3" at 30 min
Max Reading: 5.3"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
1.4" at 30 min
Max Reading: 1.4"

2nd Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

Inside Recorder





Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Uploading recovery &
pressures

DATE

September

01

2023

DST #1 Formation: Lansing "C-F" Test Interval: 3480 - 3550' Total Depth: 3550'

Time On: 21:53 09/01

Time Off: 05:38 09/02

Time On Bottom: 01:10 09/02 Time Off Bottom: 03:40 09/02

Recovered

Foot

BBLs

65

0.92495

Description of Fluid

SLOCM

Gas %

0

Oil %

5

Water %

0

Mud %

95

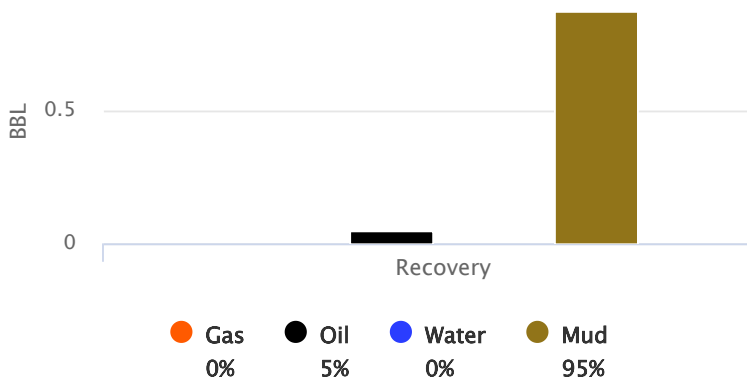
Total Recovered: 65 ft

Total Barrels Recovered: 0.92495

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	1706	PSI
Initial Flow	18 to 31	PSI
Initial Closed in Pressure	382	PSI
Final Flow Pressure	32 to 41	PSI
Final Closed in Pressure	370	PSI
Final Hydrostatic Pressure	1655	PSI
Temperature	112	°F
Pressure Change Initial Close / Final Close	3.0	%



GIP cubic foot volume: 0



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Uploading recovery &
pressures

DATE

September
01
2023

DST #1	Formation: Lansing "C-F"	Test Interval: 3480 - 3550'	Total Depth: 3550'
	Time On: 21:53 09/01	Time Off: 05:38 09/02	
	Time On Bottom: 01:10 09/02	Time Off Bottom: 03:40 09/02	

BUCKET MEASUREMENT:

1st Open: 1.5 inch built to 5.3 inch in 30 min
1st Close: No blowback
2nd Open: WsB built to 1.4 inch in 30 min
2nd Close: No blowback

REMARKS:

Tool Sample: 0% Gas 3% Oil 5% Water 92% Mud



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Uploading recovery &
pressures

DATE

September

01

2023

DST #1	Formation: Lansing	Test Interval: 3480 -	Total Depth: 3550'
	"C-F"	3550'	
	Time On: 21:53 09/01	Time Off: 05:38 09/02	
	Time On Bottom: 01:10 09/02	Time Off Bottom: 03:40 09/02	

Mud Properties

Mud Type: Chem

Weight: 8.8

Viscosity: 52

Filtrate: 5.8

Chlorides: 2000 ppm



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Uploading recovery &
pressures

DATE

September

01

2023

DST #1

**Formation: Lansing
"C-F"**

**Test Interval: 3480 -
3550'**

Total Depth: 3550'

Time On: 21:53 09/01

Time Off: 05:38 09/02

Time On Bottom: 01:10 09/02

Time Off Bottom: 03:40 09/02

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: IA Operating, Inc.

Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

02

2023

DST #2 Formation: Lansing "H-L" Test Interval: 3580 - 3690' Total Depth: 3690'

Time On: 19:58 09/02

Time Off: 04:37 09/03

Time On Bottom: 21:59 09/02

Time Off Bottom: 02:29 09/03

Electronic Volume
Estimate:
126'

1st Open
Minutes: 30

Current Reading:

6.7" at 30 min

Max Reading: 6.7"

1st Close
Minutes: 60

Current Reading:

0" at 60 min

Max Reading: 0"

2nd Open
Minutes: 60

Current Reading:

6.7" at 60 min

Max Reading: 6.7"

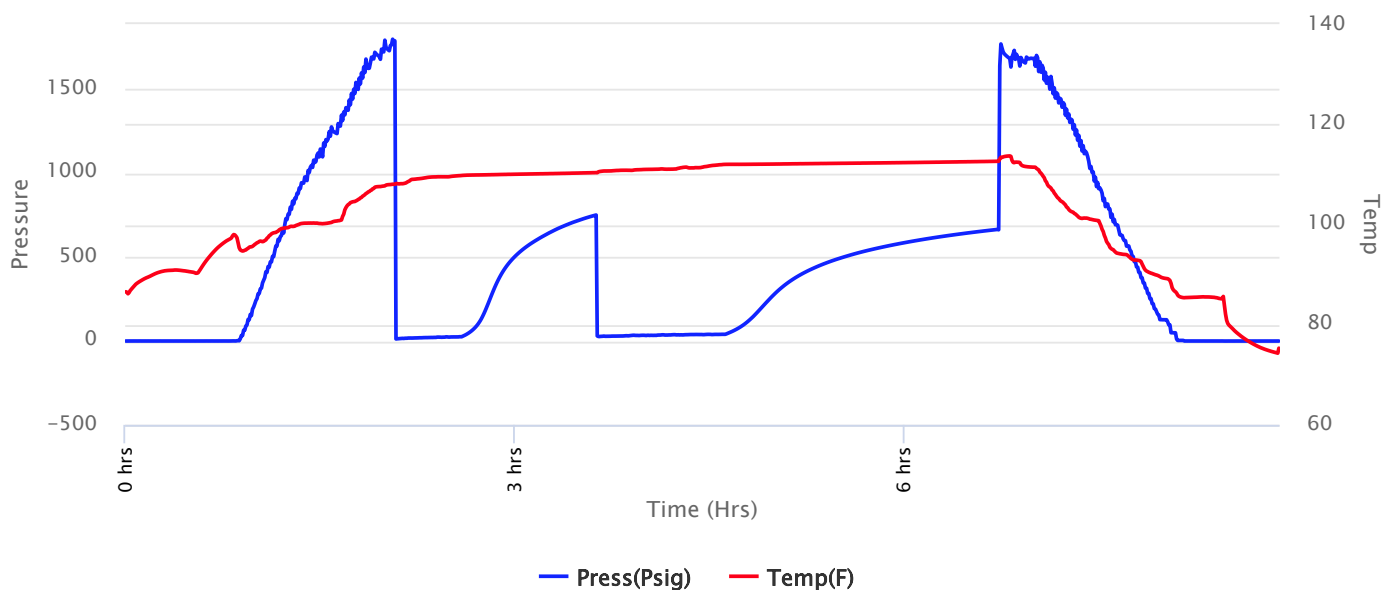
2nd Close
Minutes: 120

Current Reading:

0" at 120 min

Max Reading: 0"

Inside Recorder





Company: IA Operating, Inc.

Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
 County: ELLIS
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 2
 Elevation: 2161 GL
 Field Name: Nicholson NE
 Pool: Infield
 Job Number: 687
 API #: 15-051-27089

Operation:

Test Complete

DATE

September

02

2023

DST #2

Formation: Lansing
"H-L"

Test Interval: 3580 -
3690'

Total Depth: 3690'

Time On: 19:58 09/02

Time Off: 04:37 09/03

Time On Bottom: 21:59 09/02

Time Off Bottom: 02:29 09/03

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
20	0.2846	O	0	100	0	0
50	0.7115	HOCM	0	30	0	70

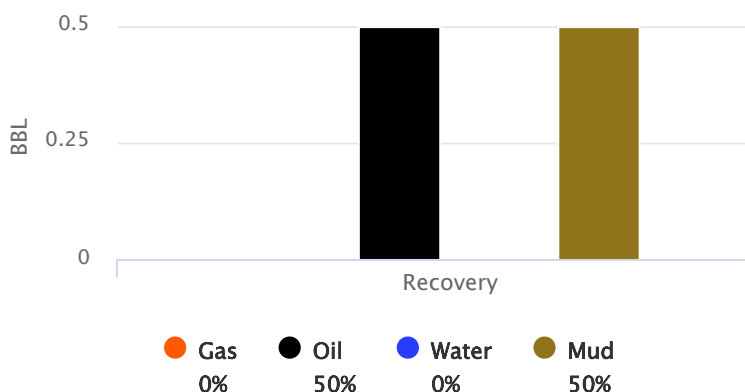
Total Recovered: 70 ft

Total Barrels Recovered: 0.9961

Reversed Out
NO

Initial Hydrostatic Pressure	1791	PSI
Initial Flow	13 to 26	PSI
Initial Closed in Pressure	752	PSI
Final Flow Pressure	31 to 41	PSI
Final Closed in Pressure	666	PSI
Final Hydrostatic Pressure	1772	PSI
Temperature	113	°F
Pressure Change Initial	11.4	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 0



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

Operation:

Test Complete

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

DATE

September

02

2023

DST #2

**Formation: Lansing
"H-L"**

**Test Interval: 3580 -
3690'**

Total Depth: 3690'

Time On: 19:58 09/02

Time Off: 04:37 09/03

Time On Bottom: 21:59 09/02

Time Off Bottom: 02:29 09/03

BUCKET MEASUREMENT:

1st Open: 1 inch blow built to 6.7 inch in 30min

1st Close: No blowback

2nd Open: WsB built to 6.7in in 60min

2nd Close: No blowback

REMARKS:

Tool Sample: 0% Gas 30% Oil 0% Water 70% Mud

Gravity: 27.8 @ 60 °F



Test Complete

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

September

2023

DST #2	Formation: Lansing "H-L"	Test Interval: 3580 - 3690'	Total Depth: 3690'
--------	-----------------------------	--------------------------------	--------------------

Time On: 19:58 09/02 Time Off: 04:37 09/03
Time On Bottom: 21:59 09/02 Time Off Bottom: 02:29 09/03

Down Hole Makeup

Packer 1: 3575 FT

Packer 2: 3580 FT

Top Recorder: 3567 FT

Bottom Recorder: 3690 FT

Well Bore Size: 7 7/8

Surface Choke: 1"

Bottom Choke: 5/8"

ID-3 1/2-FH

Total Anchor: 110

Anchor Makeup

Packer Sub: 1 FT

4 1/2-FH

Change Over: .5 FT

ID-3 1/2

Change Over: .5 FT

4 1/2-FH



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

02

2023

DST #2	Formation: Lansing	Test Interval: 3580 -	Total Depth: 3690'
	"H-L"	3690'	
	Time On: 19:58 09/02	Time Off: 04:37 09/03	
	Time On Bottom: 21:59 09/02	Time Off Bottom: 02:29 09/03	

Mud Properties

Mud Type: Chem

Weight: 9.1

Viscosity: 54

Filtrate: 5.8

Chlorides: 1800 ppm



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

02

2023

DST #2

Formation: Lansing
"H-L"

Test Interval: 3580 -
3690'

Total Depth: 3690'

Time On: 19:58 09/02

Time Off: 04:37 09/03

Time On Bottom: 21:59 09/02 Time Off Bottom: 02:29 09/03

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: IA Operating, Inc.

Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

03

2023

DST #3 Formation: Arbuckle Test Interval: 3732 - 3770' Total Depth: 3770'

Time On: 15:06 09/03

Time Off: 23:01 09/03

Time On Bottom: 17:18 09/03

Time Off Bottom: 21:03 09/03

Electronic Volume
Estimate:
44'

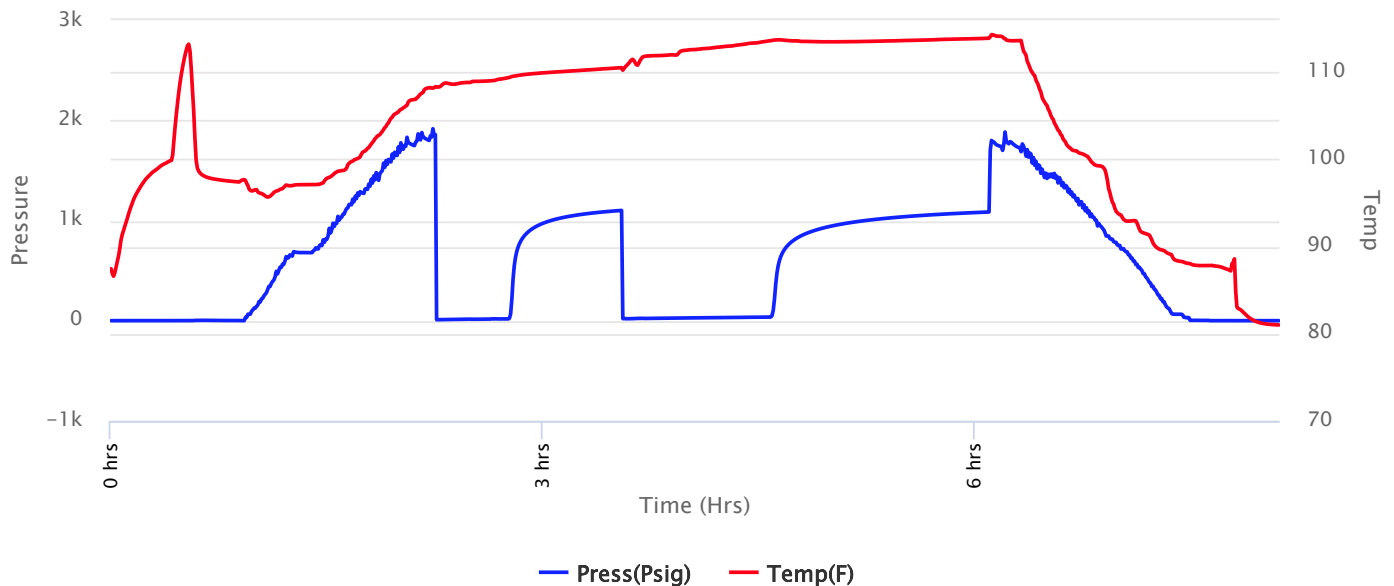
1st Open
Minutes: 30
Current Reading:
1.5" at 30 min
Max Reading: 1.5"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 60
Current Reading:
3.0" at 60 min
Max Reading: 3.0"

2nd Close
Minutes: 90
Current Reading:
0" at 90 min
Max Reading: 0"

Inside Recorder





Company: IA Operating, Inc.

Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
 County: ELLIS
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 2
 Elevation: 2161 GL
 Field Name: Nicholson NE
 Pool: Infield
 Job Number: 687
 API #: 15-051-27089

Operation:

Test Complete

DATE

September

03

2023

DST #3 Formation: Arbuckle Test Interval: 3732 - 3770' Total Depth: 3770'

Time On: 15:06 09/03

Time Off: 23:01 09/03

Time On Bottom: 17:18 09/03

Time Off Bottom: 21:03 09/03

Recovered

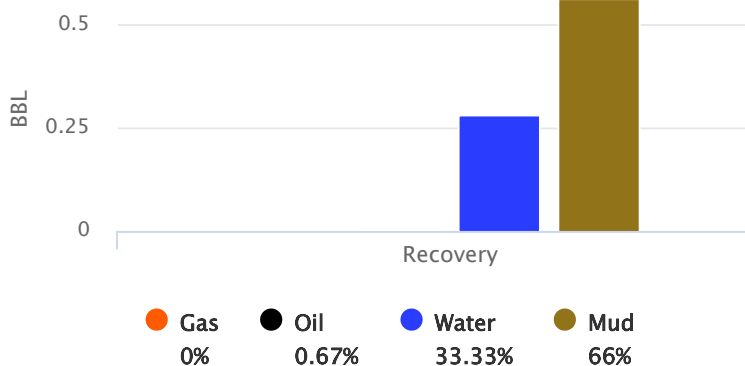
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
40	0.5692	SLOCHMCW	0	1	50	49
20	0.2846	M	0	0	0	100

Total Recovered: 60 ft

Total Barrels Recovered: 0.8538

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1858	PSI
Initial Flow	10 to 22	PSI
Initial Closed in Pressure	1101	PSI
Final Flow Pressure	21 to 36	PSI
Final Closed in Pressure	1085	PSI
Final Hydrostatic Pressure	1799	PSI
Temperature	114	°F
Pressure Change Initial	1.4	%
Close / Final Close		

GIP cubic foot volume: 0



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

Operation:

Test Complete

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

DATE

September

03

2023

DST #3

Formation: Arbuckle

**Test Interval: 3732 -
3770'**

Total Depth: 3770'

Time On: 15:06 09/03

Time Off: 23:01 09/03

Time On Bottom: 17:18 09/03

Time Off Bottom: 21:03 09/03

BUCKET MEASUREMENT:

1st Open: WsB built to 1.5in in 30min

1st Close: No blowback

2nd Open: WsB built to 3.0in in 45min

2nd Close: No blowback

REMARKS:

Flushed tool 10 minutes into second open.

Tool Sample: 0% Gas 1% Oil 10% Water 89% Mud

Chlorides: 5300 ppm



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

03

2023

DST #3 Formation: Arbuckle Test Interval: 3732 - 3770' Total Depth: 3770'

Time On: 15:06 09/03

Time Off: 23:01 09/03

Time On Bottom: 17:18 09/03

Time Off Bottom: 21:03 09/03

Down Hole Makeup

Heads Up: 18.18 FT

Packer 1: 3727 FT

Drill Pipe: 3725.02 FT

Packer 2: 3732 FT

ID-3 1/2

Top Recorder: 3719 FT

Weight Pipe: FT

Bottom Recorder: 3732 FT

ID-2 7/8

Collars: FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 26.16 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Total Anchor: 38

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/2

Change Over: FT

Perforations: (below): 37 FT

4 1/2-FH



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

03

2023

DST #3 Formation: Arbuckle Test Interval: 3732 - Total Depth: 3770'
3770'

Time On: 15:06 09/03

Time Off: 23:01 09/03

Time On Bottom: 17:18 09/03

Time Off Bottom: 21:03 09/03

Mud Properties

Mud Type: Chem

Weight: 9.2

Viscosity: 56

Filtrate: 5.8

Chlorides: 1800 ppm



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

03

2023

DST #3 **Formation: Arbuckle** **Test Interval: 3732 - 3770'** **Total Depth: 3770'**

Time On: 15:06 09/03

Time Off: 23:01 09/03

Time On Bottom: 17:18 09/03 Time Off Bottom: 21:03 09/03

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: IA Operating, Inc.

Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

04

2023

DST #4 Formation: Arbuckle Test Interval: 3766 - 3774' Total Depth: 3774'

Time On: 06:01 09/04

Time Off: 12:29 09/04

Time On Bottom: 08:18 09/04

Time Off Bottom: 10:48 09/04

Electronic Volume
Estimate:
47'

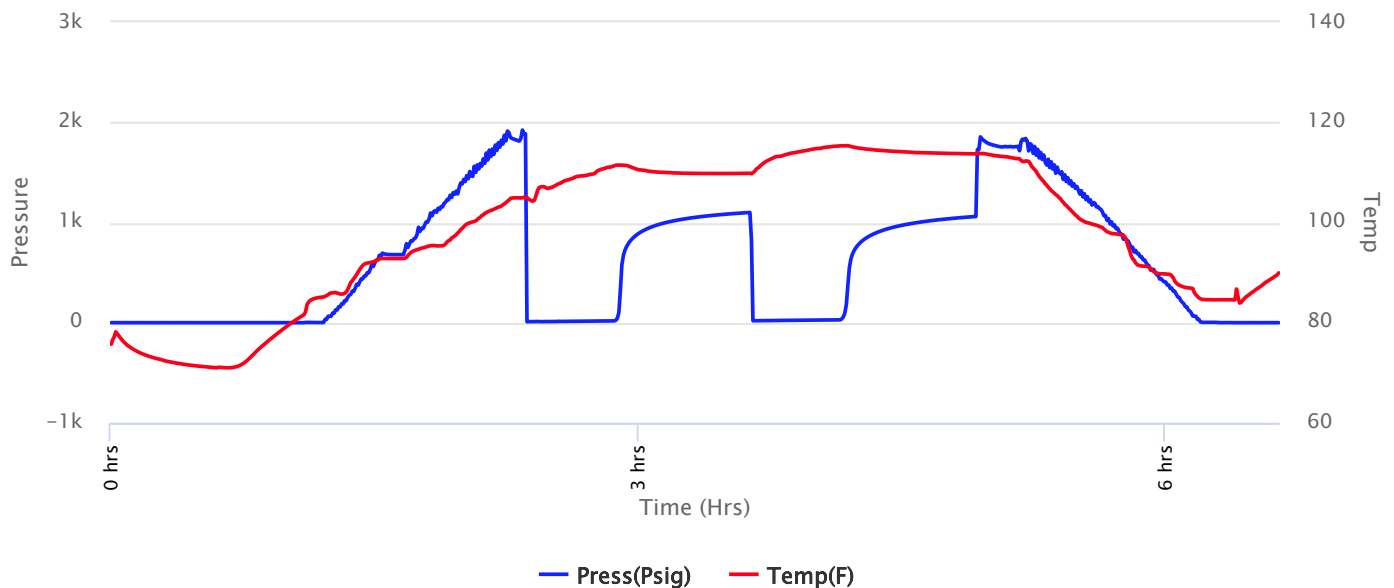
1st Open
Minutes: 30
Current Reading:
2.9" at 30 min
Max Reading: 2.9"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
1.8" at 30 min
Max Reading: 1.8"

2nd Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

Inside Recorder





Company: IA Operating, Inc.

Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
 County: ELLIS
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 2
 Elevation: 2161 GL
 Field Name: Nicholson NE
 Pool: Infield
 Job Number: 687
 API #: 15-051-27089

Operation:

Test Complete

DATE

September

04

2023

DST #4 Formation: Arbuckle Test Interval: 3766 - 3774' Total Depth: 3774'

Time On: 06:01 09/04

Time Off: 12:29 09/04

Time On Bottom: 08:18 09/04

Time Off Bottom: 10:48 09/04

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
155	2.20565	G	100	0	0	0
15	0.21345	SLMCW	0	0	90	10
3	0.04269	M	0	0	0	100

Total Recovered: 173 ft

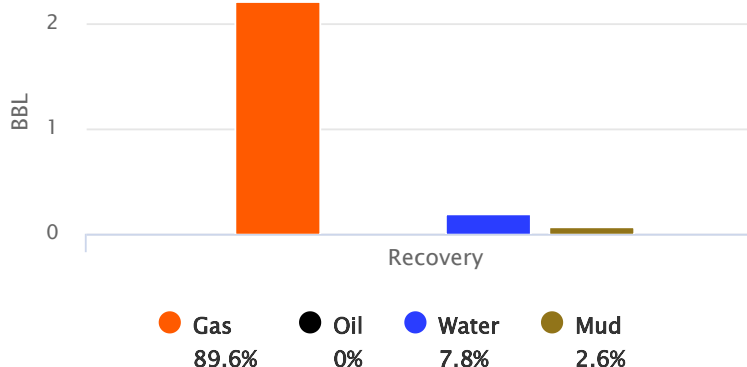
Total Barrels Recovered: 2.46179

Reversed Out

NO

Initial Hydrostatic Pressure	1886	PSI
Initial Flow	9 to 18	PSI
Initial Closed in Pressure	1100	PSI
Final Flow Pressure	19 to 29	PSI
Final Closed in Pressure	1060	PSI
Final Hydrostatic Pressure	1729	PSI
Temperature	116	°F
Pressure Change Initial	3.6	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 12.38362



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

04

2023

DST #4 Formation: Arbuckle Test Interval: 3766 - 3774' Total Depth: 3774'

Time On: 06:01 09/04

Time Off: 12:29 09/04

Time On Bottom: 08:18 09/04

Time Off Bottom: 10:48 09/04

BUCKET MEASUREMENT:

1st Open: WsB built to 3.0in 30min

1st Close: No blowback

2nd Open: WsB built to 1.8in in 30 min. Flushed tool 5min into

2nd Close: No blowback

REMARKS:

Flushed tool 5min into second open

Tool Sample: 0% Gas 0% Oil 5% Water 95% Mud

Ph: 7

Chlorides: 23000 ppm



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

04

2023

DST #4 Formation: Arbuckle Test Interval: 3766 - 3774' Total Depth: 3774'

Time On: 06:01 09/04

Time Off: 12:29 09/04

Time On Bottom: 08:18 09/04

Time Off Bottom: 10:48 09/04

Down Hole Makeup

Heads Up: 15.18 FT

Packer 1: 3761 FT

Drill Pipe: 3756.02 FT

Packer 2: 3766 FT

ID-3 1/2

Top Recorder: 3753 FT

Weight Pipe: FT

Bottom Recorder: 3766 FT

ID-2 7/8

Collars: FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 26.16 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Total Anchor: 8

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/2

Change Over: FT

Perforations: (below): 7 FT

4 1/2-FH



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

04

2023

DST #4 Formation: Arbuckle Test Interval: 3766 - 3774' Total Depth: 3774'

Time On: 06:01 09/04

Time Off: 12:29 09/04

Time On Bottom: 08:18 09/04

Time Off Bottom: 10:48 09/04

Mud Properties

Mud Type: Chem

Weight: 9.2

Viscosity: 60+

Filtrate: 6.4

Chlorides: 2400 ppm



Company: IA Operating, Inc.
Lease: Dorzweiler #19-1

SEC: 19 TWN: 11S RNG: 20W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2161 GL
Field Name: Nicholson NE
Pool: Infield
Job Number: 687
API #: 15-051-27089

Operation:

Test Complete

DATE

September

04

2023

DST #4 **Formation: Arbuckle** **Test Interval: 3766 - 3774'** **Total Depth: 3774'**

Time On: 06:01 09/04

Time Off: 12:29 09/04

Time On Bottom: 08:18 09/04 Time Off Bottom: 10:48 09/04

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

Home Office P.O. Box 32 Russell, KS 67665

No. **3582**

Cell 785-324-1041

Date	9/5/23	Sec.	19	Twp.	11	Range	20	County	Ellis	State	Kansas	On Location		Finish	10:45 am
Location								Ellis 8N 2W 2N winto							
Lease	Dorzheimer							Well No.	19-1						
Contractor	Discovery Drilling							Owner							
Type Job	Plug							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	7 7/8							T.D.	3820						
Csg.								Depth							
Tbg. Size								Depth							
Tool								Depth							
Cement Left in Csg.								Shoe Joint							
Meas Line								Displace							
EQUIPMENT								Common							
Pumptrk	16	No.	Cement	Tim				Poz. Mix							
Bulktrk	13	No.	Driver	Corey				Gel.							
Bulktrk	P.H.	No.	Driver	David				Calcium							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal 75#							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
3-740'- mixed 50 sks								Handling 316							
1550'- mixed 50 sks								Mileage							
850'- mixed 100 sks								FLOAT EQUIPMENT							
275'- mixed 50 sks								Guide Shoe							
40'- mixed 10 sks								Centralizer							
Rathole - mixed 30 sks								Baskets							
Mouse hole - mixed 15 sks								AFU Inserts							
								Float Shoe							
								Latch Down							
Cement Did Circulate								1-Dry hole plug							
								Pumptrk Charge							
								Mileage 46							
								Tax							
								Discount							
								Total Charge							
X Signature								Thanks							