

OPERATOR

Company: Richlan Drilling, General Partnership
 Address: 598 2nd Ave
 Beaver, KS 67525-9226

Contact Geologist: Jim Musgrove
 Contact Phone Nbr: 620-786-0839
 Well Name: RJ Schreiber #1
 Location: 21-16s-12w SE-NW-SW-SW
 API: 15-009-26314-00-00
 Pool:
 State: Kansas

Field: Beaver South
 Country: USA

Scale 1:240 Imperial

Well Name: RJ Schreiber #1
 Surface Location: 21-16s-12w SE-NW-SW-SW
 Bottom Location:
 API: 15-009-26314-00-00
 License Number: 31086
 Spud Date: 10/22/2021 Time: 12:00 AM
 Region: Barton
 Drilling Completed: 10/29/2021 Time: 12:00 AM
 Surface Coordinates: 957' FSL & 441' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 1918.00ft
 K.B. Elevation: 1929.00ft
 Logged Interval: 2800.00ft To: 3485.00ft
 Total Depth: 3485.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude:
 Latitude:
 N/S Co-ord: 957' FSL
 E/W Co-ord: 441' FWL

LOGGED BY

Company: James C Musgrove Petroleum LLC
 Address: 212 Main Street/PO Box 215
 Claflin, KS 67525

Phone Nbr: 620-588-4250 620-786-08
 Logged By: KLG #307

Name: James C Musgrove

CONTRACTOR

Contractor: Murfin Drilling Co
 Rig #: Rig #20
 Rig Type: mud rotary
 Spud Date: 10/22/2021 Time: 12:00 AM
 TD Date: 10/29/2021 Time: 12:00 AM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1929.00ft Ground Elevation: 1918.00ft
 K.B. to Ground: 11.00ft

NOTES

5 1/2" production casing was set and cemented on Richlan Drilling; R.J. Schreiber #1.

James C Musgrove
Petroleum Geologist

Remarks:

All Tops and Zones were consistently 5-6' higher than drilling measurements (DST corrected to electric log measurements..

well comparison sheet

RJ SCHREIBER #1 RICHLAN DRILLING SE-NW-SW-SW 21-16s-12w					NORTON #2 JOHN JAY DARRAH SW-NW-SW 21-16s-12w				MARGARET NORTON #4 JOHN JAY DARRAH S/2-SW-SW 21-16s-12w			
1929 KB					1923 KB		Structural Relationship		1921 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite												
Base Anhydrite												
Topeka			2729	-800								
Heebner			3008	-1079	3005	-1082		3	3011	-1090		11
Toronto			3024	-1095	3022	-1099		4				
Douglas			3039	-1110	3033	-1110		0				
Brown Lime			3096	-1167	3094	-1171		4	3099	-1178		11
Lansing			3113	-1184	3110	-1187		3	3116	-1195		11
Base Kansas City			3344	-1415								
Conglomerate			3352	-1423								
Arbuckle			3373	-1444	3374	-1451		7	3378	-1457		13
Rotary Total Depth			3485	-1556					3406	-1485		-71
Total Depth			3479	-1550	3487	-1564		14	3411	-1490		-60



Operation:

Uploading recovery &
pressures

Company: Richlan Drilling
Lease: R. J. Schreiber #1

SEC: 21 TWN: 16S RNG: 12W
County: BARTON
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 20
Elevation: 1920 EGL
Field Name: Beaver South
Pool: Infield
Job Number: 528
API #: 15-009-26314

DATE

October
27
2021

DST #1 Formation: Arbuckle Test Interval: 3332 - 3394' Total Depth: 3394'

Time On: 22:16 10/27

Time Off: 07:13 10/28

Time On Bottom: 01:27 10/28

Time Off Bottom: 03:42 10/28

Electronic Volume
Estimate:
824'

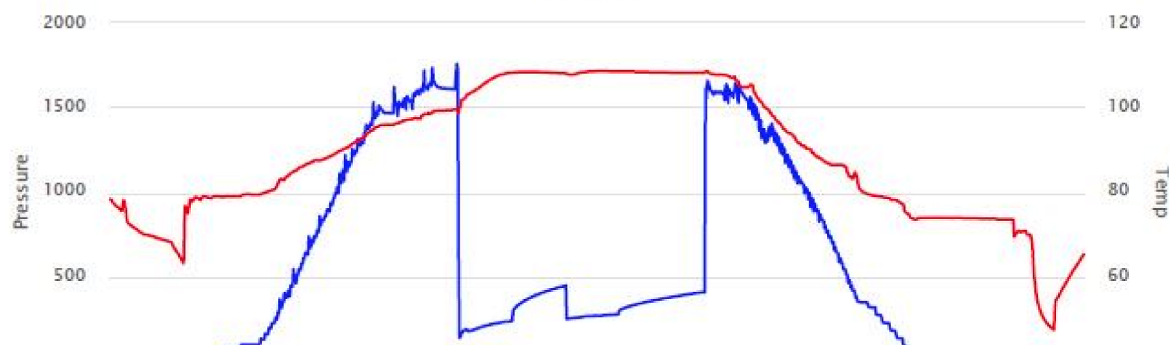
1st Open
Minutes: 30
Current Reading:
67.2" at 30 min
Max Reading: 67.2"

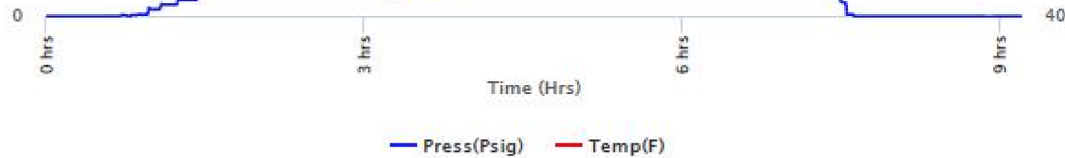
1st Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
20.1" at 30 min
Max Reading: 20.1"

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

Inside Recorder





Company: Richlan Drilling
Lease: R. J. Schreiber #1

SEC: 21 TWN: 16S RNG: 12W
County: BARTON
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 20
Elevation: 1920 EGL
Field Name: Beaver South
Pool: Infield
Job Number: 528
API #: 15-009-26314

Operation:
Uploading recovery &
pressures

DATE
October
27
2021

DST #1 Formation: Arbuckle Test Interval: 3332 - 3394' Total Depth: 3394'

Time On: 22:16 10/27 Time Off: 07:13 10/28
Time On Bottom: 01:27 10/28 Time Off Bottom: 03:42 10/28

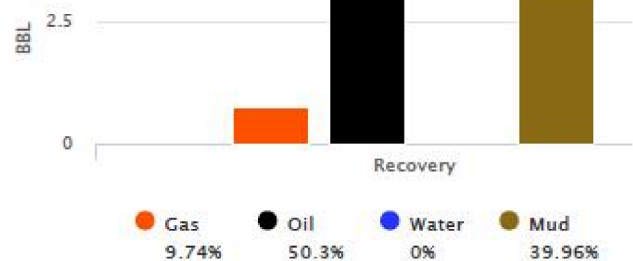
Recovered						
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
196	2.78908	SLMCSLGCO	10	88	0	2
30	0.4269	HOCM	0	30	0	70
156	2.21988	SLOCSLGCM	15	10	0	75
63	0.89649	HOCM	0	35	0	65
63	0.89649	SLGCOCM	10	20	0	70
180	0.8990064	SLMCSLGCO	10	88	0	2

Total Recovered: 688 ft
Total Barrels Recovered: 8.1278464

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	1634	PSI
Initial Flow	139 to 238	PSI
Initial Closed in Pressure	449	PSI
Final Flow Pressure	251 to 279	PSI
Final Closed in Pressure	410	PSI
Final Hydrostatic Pressure	1612	PSI
Temperature	109	°F
Pressure Change Initial Close / Final Close	8.6	%



GIP cubic foot volume: 4.44354



Company: Richlan Drilling
Lease: R. J. Schreiber #1

SEC: 21 TWN: 16S RNG: 12W
County: BARTON
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 20
Elevation: 1920 EGL
Field Name: Beaver South
Pool: Infield
Job Number: 528
API #: 15-009-26314

Operation:
Uploading recovery &
pressures

DATE
October
28
2021

DST #2 Formation: Arbuckle Test Interval: 3395 - 3413' Total Depth: 3413'

Time On: 16:40 10/28 Time Off: 03:22 10/29
Time On Bottom: 19:31 10/28 Time Off Bottom: 21:46 10/28

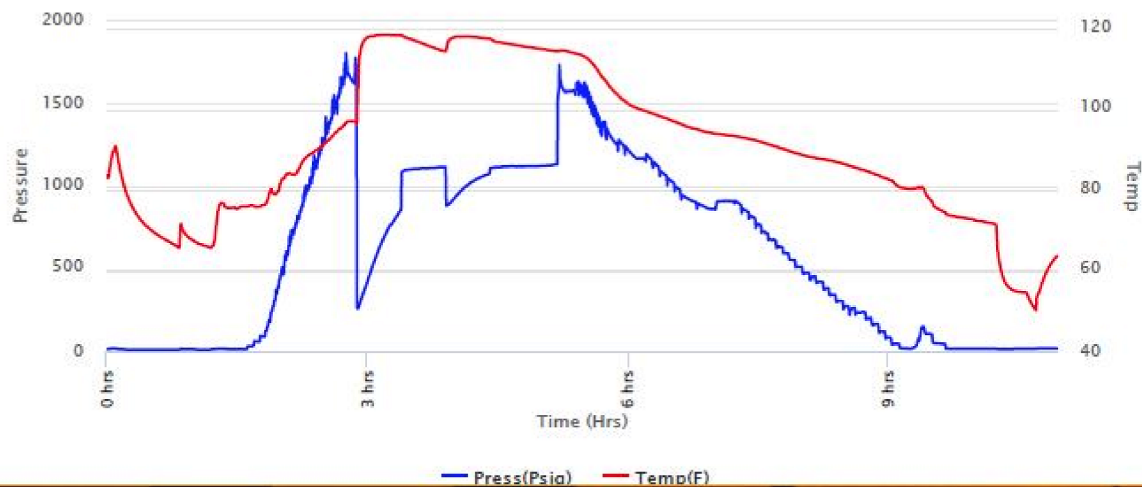
Electronic Volume
Estimate:
3370'

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

1st Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 2"

2nd Open
Minutes: 30
Current Reading:
278.5" at 30 min
Max Reading: 278.5"

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



Company: Richlan Drilling
Lease: R. J. Schreiber #1

SEC: 21 TWN: 16S RNG: 12W
County: BARTON
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 20
Elevation: 1920 EGL
Field Name: Beaver South
Pool: Infield
Job Number: 528
API #: 15-009-26314

Operation:

Uploading recovery &
pressures

DATE

October
28
2021

DST #2 Formation: Arbuckle Test Interval: 3395 - 3413' Total Depth: 3413'

Time On: 16:40 10/28 Time Off: 03:22 10/29
Time On Bottom: 19:31 10/28 Time Off Bottom: 21:46 10/28

Recovered

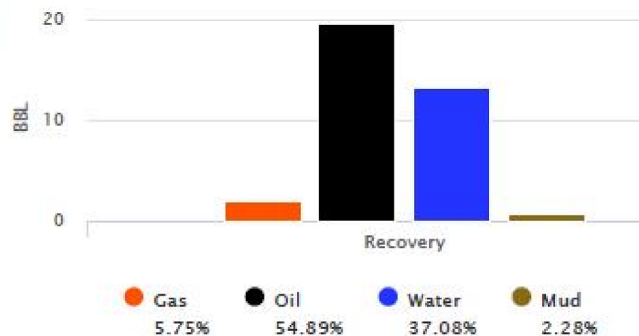
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1197	17.03331	SLGCO	10	90	0	0
189	2.68947	SLWC SLGCO	10	80	10	0
124	1.76452	SLMCS LGCHWCO	5	63	30	2
189	2.68947	SLMCHOCW	0	40	55	5
126	1.79298	SLMCW	0	0	90	10
630	8.9649	SLMCW	0	0	95	5
180	0.8990064	SLMCW	0	0	98	2

Total Recovered: 2635 ft

Total Barrels Recovered: 35.8336564

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1650	PSI
Initial Flow	269 to 832	PSI
Initial Closed in Pressure	1117	PSI
Final Flow Pressure	881 to 1070	PSI
Final Closed in Pressure	1130	PSI
Final Hydrostatic Pressure	1605	PSI
Temperature	119	°F

Pressure Change Initial Close / Final Close 0.0 %

GIP cubic foot volume: 11.5687

ROCK TYPES

Cht	Dolprim	shale, grn	shale, red	Slst
Cht vari	sdymst	shale, gry	Shcol	
Clystgy	Lmst fw7>	Carbon Sh	Ss	

OTHER SYMBOLS

DST

- DST Int
- DST alt
- Core
- tail pipe

TG. C1 - C5

