

**GEOLOGIST'S REPORT**  
DRILLING TIME AND SAMPLE LOG

<b>COMPANY</b> VESS OIL CORPORATION				<b>ELEVATIONS</b>			
<b>LEASE</b> EVELYN SCHLEGEL #2				KB 2464'		GL 2452'	
<b>FIELD</b> SCHROYER				<b>Measurements Are All</b>			
<b>LOCATION</b> 1850' FSL & 2310' FEL				<b>From</b> KB			
<b>SECTION</b> 10		<b>TOWNSHIP</b> 19S		<b>RANGE</b> 25W		<b>API #</b> 15-135-26071-0000	
<b>COUNTY</b> NESS				<b>STATE</b> KANSAS			
<b>CONTRACTOR</b> FOSSIL DRILLING, RIG #3				<b>CASING</b>			
<b>SPUD</b> 06/26/2019		<b>COMP</b> 07/04/2019		<b>SURFACE</b> 6 js 8.58" set @ 216' KB w/150			
<b>RTD</b> 4495' (-2031)		<b>LTD</b> 4498' (-2034)		ss common cement 3% CC 2% gel			
<b>ELECTRICAL SURVEYS</b>				<b>PRODUCTION</b> 108 js 5 1/2" 15.56ft			
ELI: CDL/CNL, DIL, MEL				MW-55 set @ 4495' w/375 ss.			

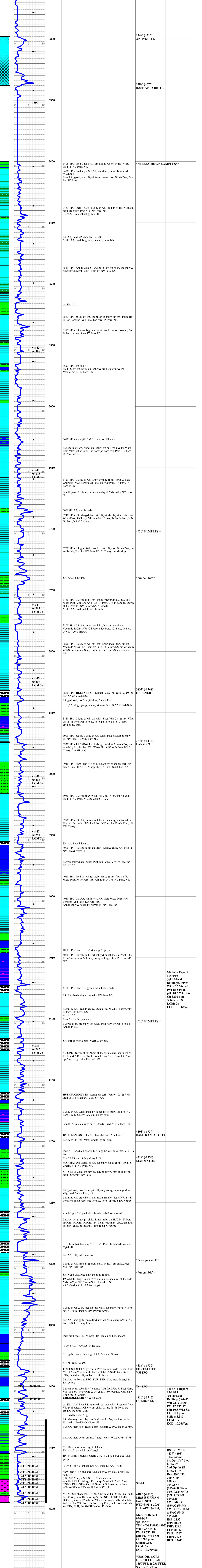
FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
ANHYDRITE	1747' (+715)	1748' (+716)	06/25/2019: MIRR Fossil Drilling Rig 3, drill rat & mouse holes.
BASE ANHYDRITE	1787' (+675)	1788' (+676)	06/26/2019: SPUD well @ 12:30 AM, drill to 218', set surface casing @ 216', 8.58" w/150 ss common cement, 3% CC & 2% gel, plug down @ 6:45 AM, WOC.
HEEBNER	3636' (-1372)	3832' (-1368)	06/27/2019: Drilling @ 1421', Drilled out shoe @ 2:45 pm on 06/26/2019.
LANSING	3878' (-1414)	3874' (-1410)	06/28/2019: Drilling @ 2500', Anhydrite top @ 1748', base @ 1788'.
BASE KANSAS CITY	4197' (-1733)	4193' (-1729)	06/29/2019: Drilling @ 3275', Lost ~25 bbl between 2950'-2980'.
MARMATON	4214' (-1750)	4214' (-1750)	06/30/2019: Drilling @ 3981'.
FORT SCOTT	4386' (-1922)	4384' (-1920)	07/01/2019: Drilling @ 4435', Circulated samples on upper and lower Fort Scott.
CHEROKEE	4411' (-1947)	4410' (-1946)	07/02/2019: Running DST #1, Missisippian, TD @ 4495', run wiper trip & TH w/DST tools.
MISSISSIPPIAN DOLO PORO	4493' (-2029)	4489' (-2025)	07/03/2019: TOH w/DST tools after DST #1, ELI open hole well logs, LTD @ 4498'.
LTD RTD	4498' (-2034)	4495' (-2031)	

**REMARKS:**

07/04/2019: THH w/108 js 5 1/2" 15.56ft MW-55, tag TD @ 4495', set packer shoe @ 4495', Cement 1st stage w/175 ss, open D2 well, circ 2 hr, cement 2nd stage w/200 ss, circ to surface, Release rig 07/03/2019 @ 7:15PM

\*\*E-log tags by P. Ramondetta, Geologist, WOC

Respectfully submitted,  
Roger L. Martin, Geologist (website)



**Mud-Co Report 06/30/19 @ 11:00AM**  
Drilling @ 4089'  
Wt: 9.25 Vis: 46  
PV: 15 YP: 15  
pH: 10.5 WL: 9.6  
Cl: 3100 ppm  
Solids: 6.3%  
LCM: #  
ECD: 10.11#/gal

**Mud-Co Report 07/01/19 @ 11:00AM**  
Drilling @ 4440'  
Wt: 9.5 Vis: 50  
PV: 17 YP: 17  
pH: 10.5 WL: 8.8  
Cl: 3100 ppm  
Solids: 8.3%  
LCM: #  
ECD: 10.35#/gal

**DST #1 MISS 3427-4495'**  
1st Op: 1/4" blo, bit to 8"  
2nd Op: WSB, bit to 11.5"  
Rec: 294' TF: 200' GIP  
180' Oil  
30' GCO (20% G.80% O)  
30' S/G CHMCO (5% G.65% O 30% M)  
63' SIMCO (95% O.5% M)  
63' S/OCSIGCM (15% G.5% O 80% M)

**4489' (-2025) MISSISSIPPIAN RTD 4495' (-2031) LTD 4498' (-2034)**  
63' SIMCO (95% O.5% M)  
63' S/OCSIGCM (15% G.5% O 80% M)

**Mud-Co Report 07/02/19 @ 6:15AM**  
THH w/DST #1 @ 4495'  
Wt: 9.35 Vis: 60  
PV: 18 YP: 18  
pH: 10.0 WL: 8.0  
Cl: 3200 ppm  
Solids: 7.0%  
LCM: 2#  
ECD: 10.38#/gal

**VESS OIL CORP E. SCHLEGEL #2 1850' FSL & 2310' FEL Sec 10-19S-25W NESS CO, KS 15-135-26071**





**Company: Vess Oil Corporation**  
**Lease: Evelyn Schlegel #2**

SEC: 10 TWN: 19S RNG: 25W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: Fossil Drilling, Inc.  
 - Rig 3  
 Elevation: 2452 EGL  
 Field Name: Schroyer  
 Pool: WILDCAT  
 Job Number: 362  
 API #: 15-135-26071-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 July  
**02**  
 2019

**DST #1**      **Formation: Mississippi**      **Test Interval: 4427 - 4495'**      **Total Depth: 4495'**  
 Time On: 03:37 07/02      Time Off: 12:15 07/02  
 Time On Bottom: 06:31 07/02      Time Off Bottom: 09:31 07/02

Electronic Volume  
 Estimate:  
 304'

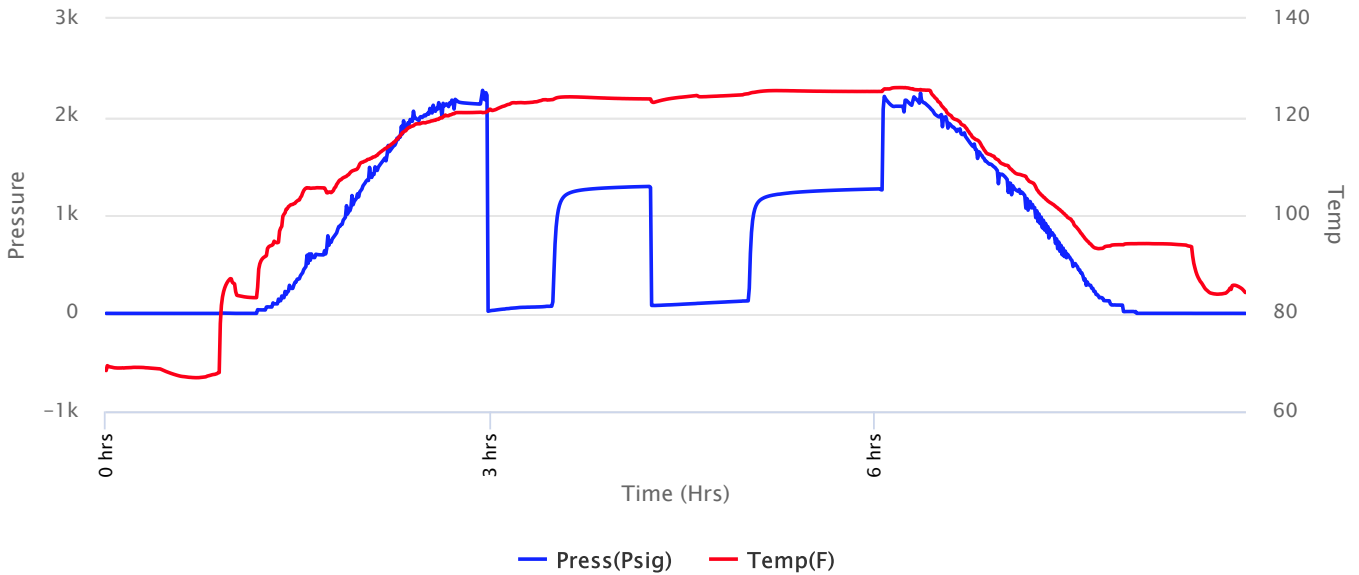
1st Open  
 Minutes: 30  
 Current Reading:  
 8" at 30 min  
 Max Reading: 8"

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

2nd Open  
 Minutes: 45  
 Current Reading:  
 11.4" at 45 min  
 Max Reading: 11.4"

2nd Close  
 Minutes: 60  
 Current Reading:  
 0" at 60 min  
 Max Reading: .1"

Inside Recorder





**Company: Vess Oil Corporation**  
**Lease: Evelyn Schlegel #2**

SEC: 10 TWN: 19S RNG: 25W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: Fossil Drilling, Inc.  
 - Rig 3  
 Elevation: 2452 EGL  
 Field Name: Schroyer  
 Pool: WILDCAT  
 Job Number: 362  
 API #: 15-135-26071-00-00

**Operation:**  
 Uploading recovery &  
 pressures

**DATE**  
 July  
**02**  
 2019

**DST #1**      **Formation: Mississippi**      **Test Interval: 4427 - 4495'**      **Total Depth: 4495'**  
 Time On: 03:37 07/02      Time Off: 12:15 07/02  
 Time On Bottom: 06:31 07/02      Time Off Bottom: 09:31 07/02

Recovered

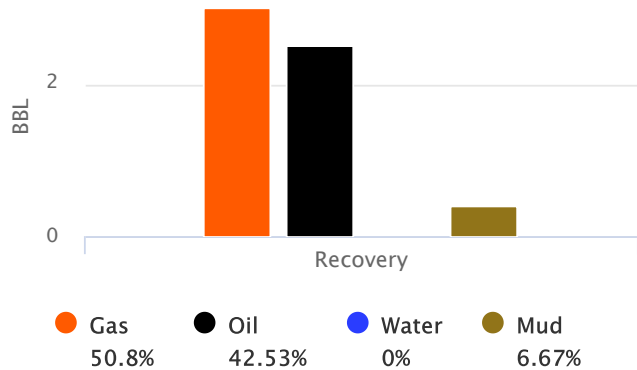
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
200	2.846	G	100	0	0	0
108	1.53684	O	0	100	0	0
30	0.4269	GCO	20	80	0	0
30	0.4269	SLGCHMCO	5	65	0	30
63	0.3576272	SLMCO	0	95	0	5
63	0.30996	SLOCSLGCM	15	5	0	80

Total Recovered: 494 ft  
 Total Barrels Recovered: 5.9042272

Reversed Out  
 NO

Initial Hydrostatic Pressure      2132      PSI  
 Initial Flow      20 to 72      PSI  
**Initial Closed in Pressure**      **1292**      **PSI**  
 Final Flow Pressure      80 to 126      PSI  
**Final Closed in Pressure**      **1267**      **PSI**  
 Final Hydrostatic Pressure      2123      PSI  
 Temperature      126      °F  
  
 Pressure Change Initial      1.9      %  
 Close / Final Close

**Recovery at a glance**



GIP cubic foot volume: 16.83912



**Company: Vess Oil Corporation**  
**Lease: Evelyn Schlegel #2**

SEC: 10 TWN: 19S RNG: 25W  
County: NESS  
State: Kansas  
Drilling Contractor: Fossil Drilling, Inc.  
- Rig 3  
Elevation: 2452 EGL  
Field Name: Schroyer  
Pool: WILDCAT  
Job Number: 362  
API #: 15-135-26071-00-00

**Operation:**

Uploading recovery &  
pressures

**DATE**

July  
**02**  
2019

**DST #1**

**Formation:**  
**Mississippi**

**Test Interval: 4427 -**  
**4495'**

**Total Depth: 4495'**

Time On: 03:37 07/02

Time Off: 12:15 07/02

Time On Bottom: 06:31 07/02

Time Off Bottom: 09:31 07/02

**BUCKET MEASUREMENT:**

1st Open: 1/4" built to 8 "

1st Close: Nobb

2nd Open: Wsb built to 11 1/2"

2nd Close: Built to wsb

**REMARKS:**

Tool Sample: 0% Gas 10% Oil 0% Water 90% Mud

Gravity: 37.7 @ 60 °F







# Company: Vess Oil Corporation Lease: Evelyn Schlegel #2

SEC: 10 TWN: 19S RNG: 25W  
County: NESS  
State: Kansas  
Drilling Contractor: Fossil Drilling, Inc.  
- Rig 3  
Elevation: 2452 EGL  
Field Name: Schroyer  
Pool: WILDCAT  
Job Number: 362  
API #: 15-135-26071-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
July  
**02**  
2019

**DST #1**      **Formation:**      **Test Interval: 4427 -**      **Total Depth: 4495'**  
**Mississippi**      **4495'**  
Time On: 03:37 07/02      Time Off: 12:15 07/02  
Time On Bottom: 06:31 07/02      Time Off Bottom: 09:31 07/02

## Mud Properties

**Mud Type:** Chemical      **Weight:** 9.35      **Viscosity:** 60      **Filtrate:** 8.0      **Chlorides:** 3200 ppm