

#### **NOTES**

Company: RF Hembree Oil, LLC.

Lease: Schwartzkopf A#3

Location: <u>W2-NE-NE (330' FNL & 400' FEL)</u>

Sec: <u>34</u> Twsp: <u>18S</u> Rge: <u>24W</u>

County: Ness State: Kansas Field: McDonald Northeast

KB: <u>2301'</u> GL: <u>2294'</u>

Contractor: Pickrell Drilling Company, Inc. (Rig #10)

Spud: <u>11/15/2016</u> Comp: <u>11/24/2016</u>

RTD: <u>4328'</u> LTD: <u>4329'</u>

Mud Up: 3500' Type Mud: Chemical

API #: <u>15-135-25932-00-00</u>

Samples Saved From: <u>3600' to RTD</u>
Drilling Time Kept From: <u>3600' to RTD</u>
Samples Examined From: <u>3600' to RTD</u>
Geological Supervision from: <u>3600' to RTD</u>

Geologist on Well: Wyatt Urban

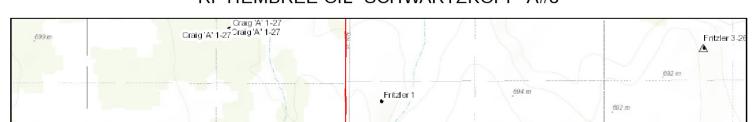
Surface Casing: 8 5/8"@ 210'

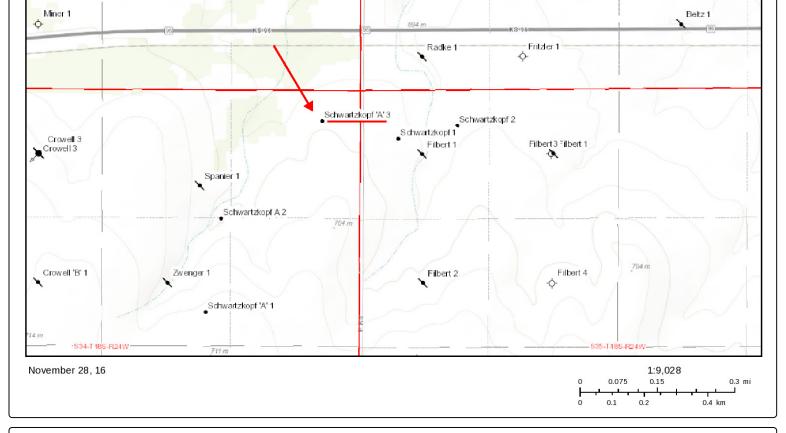
Production Casing: 5 1/2" @ 4316'

Electronic Surveys: Logged by Pioneer: DIL, MEL, CNL/CDL

#### **Local Area Map**

# RF HEMBREE OIL- SCHWARTZKOPF A#3



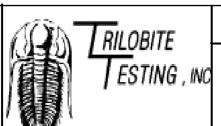


## **Well Comparison**

# RF HEMBREE OIL, LLC

	DRILLING WELL				COMPARISON WELL				COMPARISON WELL			
	RF HEMBREE-SCHWARTZKOPF "A"3				RF HEMBREE- SCHWARTZKOPF 1				RF HEMBREE- SHCWARTZKOPF #2A			
	W2-NE-NE-NE				SE-NW-NW-NW				SE NE SE			
	34-18S-24W				35-18S-24W				34-18S-24W			
	oil				oil Structural			oil Strue			cural	
	2301 KB			2302 KB		Relationship		2308 KB		Relationship		
Formation Programme	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
ANHYDRITE	1557	744	1557	744	1559	743	1	1	1570	738	6	6
B. ANHYDRITE	1593	708	1593	708	1594	708	0	0	1604	704	4	4
HEEBNER	3681	-1380	3680	-1379	3679	-1377	-3	-2	3690	-1382	2	3
TORONTO	3703	-1402	3698	-1397	3701	-1399	-3	2	3710	-1402	0	5
LANSING	3721	-1420	3720	-1419	3721	-1419	-1	0	3737	-1429	9	10
BKC	4014	-1713	4013	-1712	4016	-1714	1	2	4028	-1720	7	8
MARMATON	4057	-1756	4056	-1755	4055	-1753	-3	-2	4068	-1760	4	5
PAWNEE	4138	-1837	4141	-1840	4137	-1835	-2	-5	4155	-1847	10	7
FT. SCOTT	4213	-1912	4210	-1909	4214	-1912	0	3	4224	-1916	4	7
CHEROKEE SH	4241	-1940	4240	-1939	4239	-1937	-3	-2	4253	-1945	5	6
MISS	4314	-2013	4314	-2013	4310	-2008	-5	<b>-</b> 5	4329	-2021	8	8
MISS DOL.	4317	-2016	4317	-2016	4313	-2011	-5	<b>-</b> 5				
RTD	4328	-2027	4328	-2027	4332	-2030	3	3	4340	-2032	5	5
LTD	4329	-2028	4329	-2028	4363	-2061	33	33				

## **DST #1**



# DRILL STEM TEST REPORT

RF Hembree Oil LLC

P.O. Box 542 Ness City, Ks 67560

ATTN: Wyatt Urban

34-18-24 Ness, Ks

Schwartzkopf A #3

Job Ticket: 65642

Test Start: 2016.11.23 @ 09:56:26

DST#:1

GENERAL INFORMATION:

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Deviated: Test Type: Conventional Bottom Hole (Initial) Whipstock: ft (KB)

Time Tool Opened: 12:03:56 Tester:

**Brandon Turley** 

79

Time Test Ended: 15:54:56 Unit No:

2301.00 ft (KB) Interval: 4196.00 ft (KB) To 4240.00 ft (KB) (TVD) Reference Bevations:

Total Depth: 4240.00 ft (KB) (TVD) 2294.00 ft (CF) Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 8166 Outside

Press@RunDepth: 21.05 psig @ 4197.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2016.11.23 2016.11.23 End Date: Last Calib .: 2016.11.23 Start Time: 09:56:31 End Time: 15:54:55 Time On Btm: 2016.11.23 @ 12:01:56

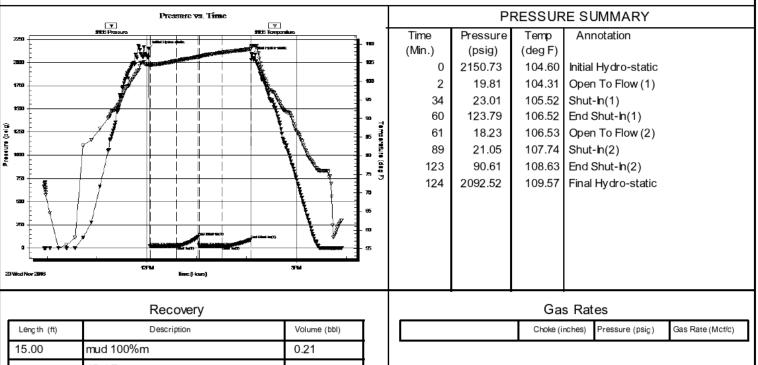
> Time Off Btm: 2016.11.23 @ 14:05:56

TEST COMMENT: IF: 1/4 blow died in 19 min.

IS: No return.

FF: Surface blow built to 3/4.

FS: No return.



# 0.00 45 GIP 0.00

DST#2



# DRILL STEM TEST REPORT

RF Hembree Oil LLC

34-18-24 Ness, Ks

P.O. Box 542

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Schwartzkopf A #3

Ness City, Ks 67560

ATTN: Wyatt Urban

Job Ticket: 65643

Test Start: 2016.11.24 @ 06:38:41

DST#:2

B : 1 1 0040 44 00 0 40 40 00

GENERAL INFORMATION:

Formation: Miss

Deviated: Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset) No

Time Tool Opened: 08:35:41 Tester: Brandon Turley Time Test Ended: 13:26:11 Unit No: 79

Interval: 4252.00 ft (KB) To 4328.00 ft (KB) (TVD) Reference Elevations: 2301.00 ft (KB) Total Depth: 4328.00 ft (KB) (TVD) 2294.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 8166 Outside

Press@RunDepth: 166.10 psig @ 4253.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2016.11.24 End Date: 2016.11.24 Last Calib.: 2016.11.24 Start Time: 06:38:46 End Time: 13:26:10 Time On Btm: 2016.11.24 @ 08:33:41

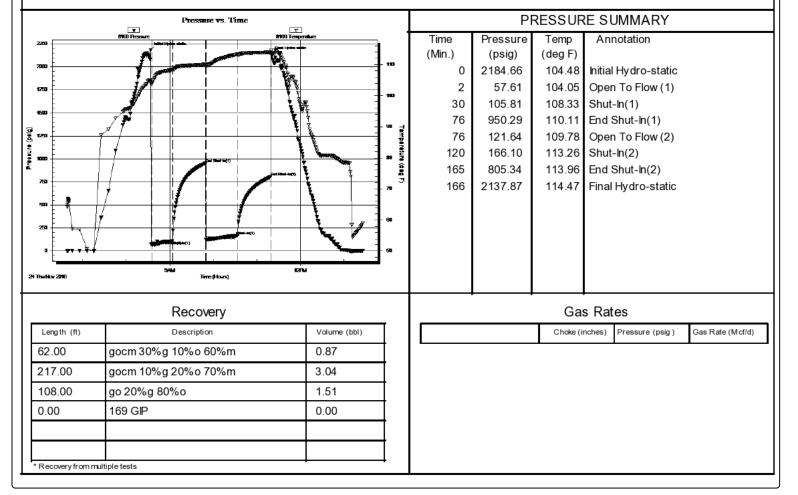
Time Off Btm: 2016.11.24 @ 11:19:41

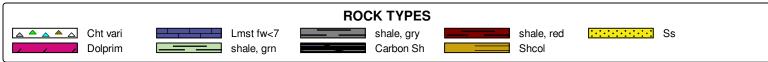
TEST COMMENT: IF: BOB in 11 min.

IS: Surface blow died in 20 min.

FF: BOB in 15 min.

FS: Surface blow died in 10 min.





### **OTHER SYMBOLS**

### **EVENTS**

IL Casing Shoe

▶ RTF

▶ Sidewall

▲ Left Casing Shoe

■ Right Casing Shoe

#### **INTERVALS**

· DST

Core

#### Oil Show

Good Show

Fair Show

O Poor Show O Spotted or Trace

O Questionable Stn

D Dead Oil Stn

■ Fluorescence

★ Gas

**DST** 

BST Int

DST alt Core

II tail pipe

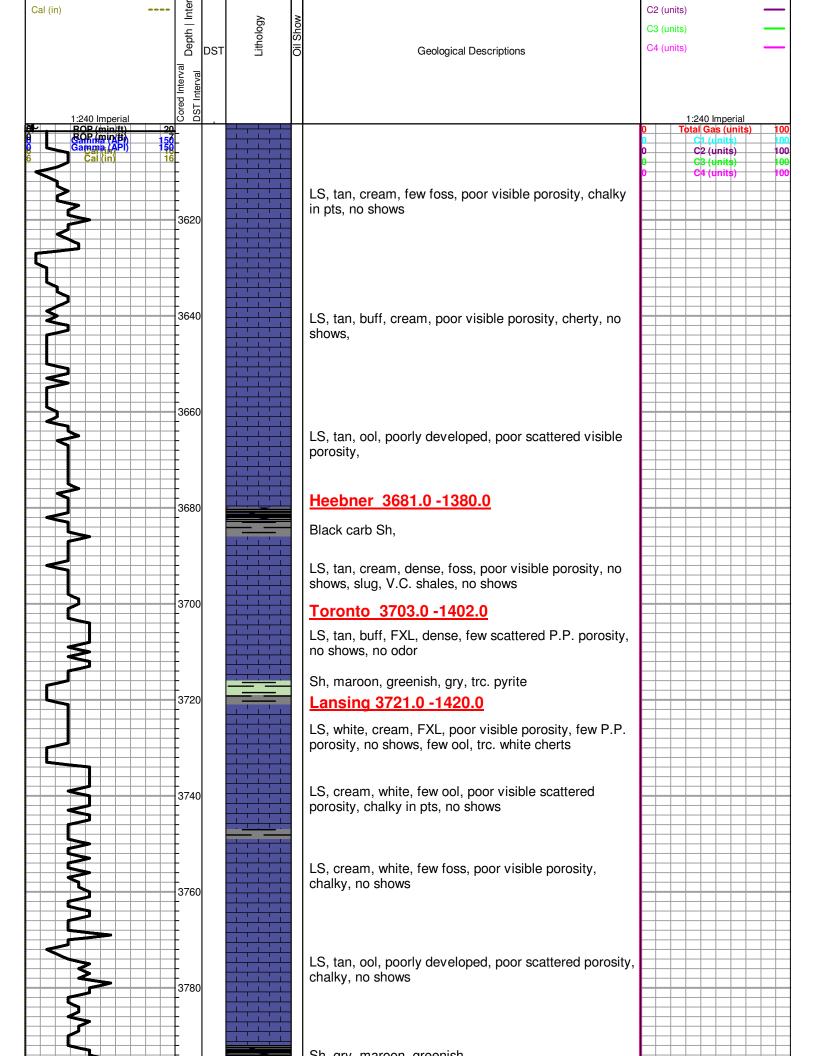
Printed by GEOstrip VC Striplog version 4.0.8.7 (www.grsi.ca) TG, C1 - C5

Curve Track #1 ROP (min/ft)

Gamma (API)

vals

Total Gas (units)



	Sil, gry, maroon, greenish	
9 POP (hip/ft) 7 3800		
0 Segma (API) 150	LS, cream, white, ool, poor visible porosity, chalky, no	0 Total Gas (units) 100 0 C1 (units) 100
6 Cal (in) 16	shows	0 C2 (units) 100 0 C3 (units) 100
	<u> </u>	0 C4 (units) 100
	1	
3820	LS, cream, white, ool, poor scattered/ P.P. porosity, no	
	shows, (Slug maroon soft shale)	
3840	LS, cream, white, ool, poorly developed, few oom	
	vuggy porosity, no shows,	
	Sh, gry/ silty, mica	
3860	-	
	LS, crema, white, FXL, few foss, poor scattered	
	porosity, cherty, no shows	
3880		
	LS, cream, to tan, poor-fair scattered visible porosity,	
	chalky, no shows	
	Disply park Ch	
3900	Black carb Sh	
3900	LS, A/A, trc. opaque, white, cherts	
	LS, cream, white, few foss, poor visible porosity, V.	
	chalky, no shows	
3920		
	LS, cream, tan, FXL, dense, poor visible porosity,	
	cherty, no shows	
	Sh any graphish miss	
3940	Sh, gry, greenish, mica	
	<u> </u>	
	<b>1</b>	
	LS, tan, brown, FXL, dense poor scattered porosity,	
	cherty in pts, no shows,	
3960	Slug maroon, greenish, brick red shale	
	LS, cream, white, chalky, poor - fair scattered vuggy porosity, Lt. brown stain, NSFO,	
	porodity, Et. Stown stain, Not O,	
	LS, cream, tan, FXL, dense, poor visible P.P. porosity	
	cherty, trc. white, opaque, cherts	
3980		
	<u> </u>	
	Sh, black carb.	
0 FRED (min/ft) 7 4000	LS, tan, buff, foss, poor scattered porosity, chalky, no	0 Total Gas (units) 100
0 Gamma (API) 150	shows, trc. pyrite	0 Total Gas (units) 100 0 C1 (units) 100 0 C2 (units) 100
No. (m)		0 C3 (unit\$) 100
		0 C4 (units) 100
	Race Kanas City ///1/1/ 0 -1713 0	

