

Joshua R. Austin

Petroleum Geologist

report for

Smith Oil Operations



COMPANY: Smith Oil Operations

LEASE: Fair Sleeper Trust #4

FIELD: Snider South

LOCATION: Sw-Sw-Ne-Nw (1175' FNL & 1560' FWL)

SEC: 15 TWSP: 21s RGE: 11W

COUNTY: Stafford STATE: Kansas

KB: 1753 GL: 1745

API # 15-185-23913-00-00

CONTRACTOR: Fossil Drilling, Inc (rig #2)

Spud: <u>10/28/2014</u> Comp: <u>11/02/2014</u>

RTD: 3455' LTD: 3452'

Mud Up: 2600' Type Mud: Chemical was displaced

Samples Saved From: 2500'to RTD Drilling Time Kept From: 2500' to RTD Samples Examined From: 2500' to RTD

Geological Supervision From: 2800' to RTD

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 246'

Production Casing: 5 1/2" @ 3452'

Electronic Surveys: Gemini Wireline CDL/CNL, DIL

NOTES

On the basis of the positive structural position, drill stem test and after reviewing the electric logs it was recommended by all parties inovled in the Fair Sleeper Trust #4 to run 5 1/2" production casing to further test the Arbuckle and Simpson. The Lansing J, I, H, should be tested before plugging this well.

Smith Oil Operations well comparison sheet

J	DRILLING WELL				COMPARISON WELL				COMPARISON WELL			
	Fair-Sleeper		Trust NW #4		Fair-Sleeper		Trust NW #1		Sleeper #1-15			
							Structural				Struct	ural
	1753 KB				1763 KB		Relationship		1755 KB		Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	472	1281	474	1279	492	1271	10	8	469	1286	-5	-7
Topeka	2655	-902	2649	-896	2669	-906	4	10	2644	-889	-13	-7
Heebner	2939	-1186	2936	-1183	2952	-1189	3	6	2928	-1173	-13	-10
Toronto	2958	-1205	2952	-1199	2971	-1208	3	9		0		
Douglas	2970	-1217	2964	-1211	2982	-1219	2	8	2958	-1203	-14	-8
Brown Lime	3068	-1315	3063	-1310	3082	-1319	4	9	3057	-1302	-13	-8
Lansing	3086	-1333	3081	-1328	3100	-1337	4	9	3074	-1319	-14	-9
Base KC	3320	-1567	3317	-1564	3332	-1569	2	5	3308	-1553	-14	-11
Simpson Sand	3353	-1600	3347	-1594	3360	-1597	-3	3				
Arbuckle	3380	-1627	3375	-1622	3390	-1627	0	5	3356	-1601	-26	-21
Total Depth	3455	-1702	3452	-1699	3475	-1712			3520	-1765		



DRILL STEM TEST REPORT

Smith Oil Operations

410 N. Adsms.P.O. Box 550 Hutchinson Ks. 67506

ATTN: Josh Austin

15-21s-11w Stfford Ks

Fair Sleeper Trust#4

Job Ticket: 57870

DST#:1

Test Start: 2014.11.01 @ 22:54:53

GENERAL INFORMATION:

Formation: Simpson Sd.

Deviated: Whipstock: No ft (KB)

Time Tool Opened: 00:56:23 Time Test Ended: 06:34:53

Interval: 3331.00 ft (KB) To 3372.00 ft (KB) (TVD)

3372.00 ft (KB) (TVD) Total Depth:

Hole Diameter: 7.88 inchesHole Condition: Fair Tester:

Conventional Bottom Hole (Initial)

Gary Pevoteaux

Unit No: 56

Reference Bevations: 1753.00 ft (KB)

1745.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8352 Outside

Press@RunDepth: 3332.00 ft (KB) 111.68 psig @ Capacity: 8000.00 psig

Start Date: 2014.11.02 2014.11.01 End Date: Last Calib .: 2014.11.02 Start Time: 22:54:58 End Time: 06:34:52 Time On Btm: 2014.11.02 @ 00:55:23

Time Off Btm: 2014.11.02 @ 04:02:53

TEST COMMENT: IF:Strong blow . B.O.B. in 95 secs .

ISI:Weak blow . (surface) FF:Strong blow . B.O.B. in 1 min. FStWeak blow . 1 - 3 1/2".















