Company: Address:	OPERATOR SANDLIN OIL CORPORATION 621 17TH STREET, STE. 2055 DENVER, CO 80293-2001				
Contact Geologist: Contact Phone Nbr: Well Name: Location: Pool: State:	GARY SANDLIN 303-292-3313 WEBER-STAAB # 1 SW SE NE NE Sec.15-12s-18w KANSAS	API: Field: Country:	15-051-26,638-00-00 BEMIS-SHUTTS USA		
	Scale 1:240 Imperial				
Well Name: Surface Location: Bottom Location: API:	WEBER-STAAB # 1 SW SE NE NE Sec.15-12s-18w 15-051-26,638-00-00				
License Number: Spud Date:	6677 2/6/2014	Time:	4:28 PM		
Region: Drilling Completed: Surface Coordinates:	ELLIS COUNTY 2/11/2014 1185' FNL & 605' FEL	Time:	8:54 AM		
Bottom Hole Coordinates: Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	2164.00ft 2171.00ft 3000.00ft 3780.00ft ARBUCKLE CHEMCIAL/FRESH WATER GEL	To:	3780.00ft		
	SURFACE CO-ORDINATE	S			
Well Type: Longitude: N/S Co-ord: E/W Co-ord:	Vertical -99.2993913 1185' FNL 605' FEL	Latitude:	39.0128095		
LOGGED BY					
Company: Address:	SOLUTIONS CONSULTING, INC 108 W 35TH HAYS, KS 67601				
Phone Nbr: Logged By:	(785) 639-1337 GEOLOGIST	Name:	HERB DEINES		
CONTRACTOR Contractor: ROYAL DRILLING, INC.					
Rig Type: Spud Date: TD Date: Rig Release:	MUD ROTARY 2/6/2014 2/11/2014 2/12/2014	Time: Time: Time:	4:28 PM 8:54 AM 5:30 PM		
FI EVATIONS					
K.B. Elevation: K.B. to Ground:	2171.00ft Groun 7.00ft	d Elevation:	2164.00ft		
NOTES					
PRODUCTION CASING WAS RAN TO FURTHER TEST AND DEVELOP LANSING-KANSAS CITY ZONES.					
OPEN HOLE LOGGING BY: NABORS COMPLETION & PRODUCTION SERVICES CO: DUAL INDUCTION LOG, COMPENSATED DENSITY/NEUTRON LOG, MICRO LOG					
OPEN HOLE TESTING BY TRILOBITE TESTING INC: TWO (2) STRADDLE DRILL STEM TESTS					

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

WEBER-STAAB # 1	STAAB-KARLIN #1
SW SE NE NE	SE SW SE NE
SEC.15-12S-18W	SEC15-12S-18W
2164'GL 2171'KB	

FORMATION	SAMPLE TOPS	LOG TOPS	<u>COMPARISON</u>
Anhydrite	1439 +732	1435 +736	+ 731
<b>B-Anhydrite</b>	1473 +698	1462 +709	+ 698
Topeka	3148 -977	3146 -975	- 966
<b>Heebner Shale</b>	3379-1208	3376-1205	-1198
Toronto	3399-1228	3400-1229	-1219
LKC	3422-1251	3423-1252	-1243
ВКС	3667-1496	3661-1490	-1486
Simpson Shale	ABSENT	ABSENT	
Arbuckle	3690-1519	3689-1518	-1513
RTD	3780-1609	3778-1607	-1592

# SUMMARY OF DAILY ACTIVITY

- Spud 12:30 PM, set 8 5/8" surface casing to 222' w/ 150 sxs 2-06-14 Common 2%Gel 3%CC, plug down 6:39PM, slope 1/2 degree
- 223', WOC, drill plug 7:00 AM 2-07-14
- 1745', drilling 2-08-14
- 2645', drilling 2-09-14
- 2-10-14 3305', drilling
- 3726', RTD 3780' @8:54AM, short trip, TOWB, slope 1 degree, logs, 2-11-14 DST #1 straddle test 3674' to 3709' Arbuckle
- 3780' finish DST # 1, DST # 2 straddle test 3626' to 3672' "L" zone, 2-12-14 LDDP, run production casing, plug down 5:30 PM

## DST #1 STRADDLE TEST OF ARBUCKLE BOTTOM PACKER HELD DRILL STEM TEST REPORT RILOBITE Sandlin Oil Corporation 15-12s-18w-Ellis Co ESTING , INC. 621 17th St. STE 2055 Weber-Staab #1 Denver CO 80293 Job Ticket: 56102 DST#:1 Test Start: 2014.02.11 @ 18:32:45 ATTN: Herb Deines GENERAL INFORMATION: Formation: Arbuckle Deviated: Whipstock: ft (KB) Test Type: Conventional Straddle (Initial) No Time Tool Opened: 20:02:45 Tate Lang Tester: Time Test Ended: 00:30:05 Unit No: 49 3674.00 ft (KB) To 3709.00 ft (KB) (TVD) 2171.00 ft (KB) Interval: Reference Elevations: 2166.00 ft (CF) Total Depth: 3780.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition: Good KB to GR/CF: 5.00 ft Serial #: 8898 Outside 8000.00 psig 3675.00 ft (KB) Press@RunDepth: 20.53 psig @ Capacity: Start Date: 2014.02.11 End Date: 2014.02.12 Last Calib .: 2014.02.12 Start Time: 18:32:46 End Time: 00:30:05 Time On Btm: 2014.02.11 @ 20:02:25 Time Off Btm: 2014.02.11 @ 22:47:45 TEST COMMENT: Weak surface blow built to 3 in. Dead no blow back Weak surface blow built to 1 in. Dead no blow back Pressure vs. Time PRESSURE SUMMARY V RAS Press Time Pressure Temp Annotation (Min.) (psig) (deg F) 1924.15 Initial Hydro-static 0 99.01 15.67 98.45 Open To Flow (1) 1 1500 30 17.05 99.78 Shut-In(1) 60 71.94 100.29 End Shut-In(1) 100.30 Open To Flow (2) 61 15.78 105 20.53 100.94 Shut-In(2) 165 84.46 101.74 End Shut-In(2) 1872.60 102.41 Final Hydro-static 166 Time (Hours) ti Tue Feb 201 Recovery Gas Rates Length (ft) Volume (bbl) Г Choke (inches) Pressure (psig) Gas Rate (Mct/d) Т Description

1004 10 54			
5.00	100% Hea∨y Oil	0.07	
20.00	10%O 90%M	0.28	
		I I I	
Trilobite 7	Testing, Inc	Ref. No: 56102	Printed: 2014.02.12 @ 07:43:01
	DST # 2 S	TRADDLE TEST 3626' TO 367	2' BOTTOM PACKER HELD
	DST # 2 ST	TRADDLE TEST 3626' TO 367	2' BOTTOM PACKER HELD
	DST # 2 ST	TRADDLE TEST 3626' TO 367	2' BOTTOM PACKER HELD
	DST # 2 ST	TRADDLE TEST 3626' TO 367	2' BOTTOM PACKER HELD
10 D		DRILL STEM TEST 626' TO 367	2' BOTTOM PACKER HELD
	DST # 2 ST	DRILL STEM TEST F	2' BOTTOM PACKER HELD REPORT 15-12s-18w-Ellis Co
	DST # 2 ST RILOBITE ESTING , INC	DRILL STEM TEST F Sandlin Oil Corporation	2' BOTTOM PACKER HELD REPORT 15-12s-18w-Ellis Co Weber Steap #1
	DST # 2 ST RILOBITE ESTING , INC	DRILL STEM TEST F Sandlin Oil Corporation 621 17th St. STE2055 Denver CO 80293	2' BOTTOM PACKER HELD REPORT 15-12s-18w-Ellis Co Weber-Staab #1
	DST # 2 ST RILOBITE ESTING , INC	DRILL STEM TEST F Sandlin Oil Corporation 621 17th St. STE 2055 Denver CO 80293	2' BOTTOM PACKER HELD REPORT 15-12s-18w-Ellis Co Weber-Staab #1 Job Ticket: 56103 DST#:2
	DST # 2 ST RILOBITE ESTING , INC	DRILL STEM TEST 626' TO 367 DRILL STEM TEST 6 Sandlin Oil Corporation C 621 17th St. STE 2055 Denver CO 80293 ATTN: Herb Deines	15-12s-18w-Ellis Co           Weber-Staab #1           Job Ticket: 56103         DST#:2           Test Start: 2014.02.12 @ 01:13:45
GENERAL	DST # 2 ST	DRILL STEM TEST I         Sandlin Oil Corporation         C         621 17th St. STE 2055         Denver CO 80293         ATTN:	15-12s-18w-Ellis Co           Weber-Staab #1           Job Ticket: 56103         DST#:2           Test Start: 2014.02.12 @ 01:13:45
GENERAL Formation:	DST # 2 ST	DRILL STEM TEST I         Sandlin Oil Corporation         0         621 17th St. STE 2055         Denver CO 80293         ATTN:	15-12s-18w-Ellis Co           Weber-Staab #1           Job Ticket: 56103         DST#:2           Test Start: 2014.02.12 @.01:13:45
GENERAL Formation: Deviated:	DST # 2 ST	TRADDLE TEST 3626' TO 367         DRILL STEM TEST F         Sandlin Oil Corporation         621 17th St. STE 2055         Denver CO 80293         ATTN: Herb Deines         ft (KB)	2' BOTTOM PACKER HELD REPORT 15-12s-18w-Ellis Co Weber-Staab #1 Job Ticket: 56103 DST#:2 Test Start: 2014.02.12 @ 01:13:45 Test Type: Conventional Straddle (Reset)
GENERAL Formation: Deviated: Time Tool Op	DST # 2 ST	TRADDLE TEST 3626' TO 367         DRILL STEM TEST F         Sandlin Oil Corporation         621 17th St. STE 2055         Denver CO 80293         ATTN: Herb Deines         ft (KB)	72' BOTTOM PACKER HELD REPORT 15-12s-18w-Ellis Co Weber-Staab #1 Job Ticket: 56103 DST#:2 Test Start: 2014.02.12 @ 01:13:45 Test Type: Conventional Straddle (Reset) Tester: Tate Lang









Shale, dove gray-lime green, soft mud to sticky in part

Lime, It-med brn, fn-vfxln, slightly fossiliferous, few chips

Lime, It-med grayish brn, fn-vfxln, some speckling in part

MICRO LOG SHOWS ZONE TO BE POORLY DEVELOPED AND LACKING PERMEABILITY

MICRO LOG INTERVAL FROM



0	Dolomite, crm-tan, fnxln with increase in med-cxln dolomite with fair odor, staining and free floating oil globules in tray in interxln porosity.	CONFIRMED LACK OF PERMEABILITY
	Dolomite, crm-tan, fnxln	
	Dolomite, tan, fnxln with increasing granular content, It sulfur odor with gilsonite	
	Dolomite, brn, fnxln, few cxln and vuggy chips with gilsonite in part	
	Dolomite, tan-It brn, fnxln, vugs and cxln granular, few oomoldic chips, white bone chert, fresh, sharp	
	Dolomite, tan-lt brn, fn-cxln, bone white chert	
	Dolomite, tan-lt brn, fnxln, very hard on crush	
	Dolomite, ivory-tan, fnxln with few fn-med grained sucrosic	
	RTD 3780-1609 LTD 3778-1607	SLOPE 3780' 1 DEGREE