

#### **NOTES**

Company: American Warrior, Inc.

Lease: Habiger Unit 1-14

Field:None

Location:NW-NW-SW-NW (1639' FNL & 130' FWL)

Sec:14

Twsp:<u>18S</u>

Rge:10W

County:Rice

State: Kansas

KB:<u>1765"</u> GL:<u>1757"</u> API #:<u>15-159-22805-00</u>

Contractor: <u>Duke Drilling Inc. (Rig #8)</u>
Spud: <u>10/09/2014</u> Comp: <u>10/14/2014</u>
RTD: <u>3400'</u> LTD: <u>3394'</u>

Mud Up: 2600'

Type Mud: Chemical

Samples Saved From: 270<u>0' to RTD</u>
Drilling Time Kept From: <u>2700' to RTD</u>
Samples Examined From: <u>2700' to RTD</u>
Geological Supervision from: <u>2700' to RTD</u>

Geologist on Well: Wyatt Urban

Surface Casing: <u>8 5/8"@ 412'</u> Production Casing: <u>5 1/2" @ 3395'</u>

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

## **Image Header 02**

# American Warrior, Inc.

	DRILLING WELL  American Warrior-Habiger Unit 1-14  NW-NW-SW-NW  14-18S-10W  1765 KB				COMPARISON WELL  American Warrior-Delbert 1-15 SW-NE-NE-NE 15-18S-10W				COMPARISON WELL Circle Oil Co. Mehl #1 NE-SW-NW			
									14-18S-10W			
					oil		Struct	ural	ury note		Structural	
					1774 KB		Relationship		1764 KB		Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	475	1290	477	1288	484	1290	0	-2	458	1306	-16	-18
B. Anhydrite	492	1273	494	1271	501	1273	0	-2				
Heebner	2802	-1037	2803	-1038	2807	-1033	-4	-5	2801	-1037	0	-1
Toronto	2816	-1051	2822	-1057	2824	-1050	-1	-7				
Douglas	2832	-1067	2831	-1066	2836	-1062	-5	-4				
Brown Lime	2922	-1157	2923	-1158	2926	-1152	-5	-6				
Lansing	2936	-1171	2942	-1177	2947	-1173	2	-4	2950	-1186	15	9
BKC	3213	-1448	3212	-1447	3212	-1438	-10	-9	3220	-1456	8	9
Conglomerate	3261	-1496	3257	-1492	3257	-1483	-13	-9				
Arbuckle	3275	-1510	3273	-1508	3273	-1499	-11	-9	3279	-1515	5	7
RTD	3400	-1635	3400	-1635	3400	-1626	-9	-9	3295	-1531	-104	-104
LTD	3394	-1629	3394	-1629	3400	-1626	-3	-3				

# Image Header 03



# DRILL STEM TEST REPORT

American Warrior Inc

14-18s-10w Rice

Hobigor Unit #1 14



3118 Cummings Ha

Garden City KS 67846

nabiger offit #1-14

Job Ticket: 60450 DST#:1

ATTN: Wyatt Urban Test Start: 2014.10.13 @ 23:00:00

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 00:50:00 Tester: Jared Scheck Time Test Ended: 04:52:00 Unit No: S5-Great Bend-70

3204.00 ft (KB) To 3285.00 ft (KB) (TVD) Reference Elevations: 1765.00 ft (KB) Interval:

Total Depth: 3285.00 ft (KB) (TVD) 1757.00 ft (CF)

7.88 inches Hole Condition: Poor Hole Diameter: KB to GR/CF: 8.00 ft

Serial #: 8525 Outside

Press@RunDepth: 5000.00 psig 129.90 psig @ 3271.00 ft (KB) Capacity: Start Date: 2014.10.13 Last Calib .: End Date: 2014.10.14 2014.10.14 Start Time: 23:01:00 End Time: 04:52:00 Time On Btm: 2014.10.14 @ 00:48:30

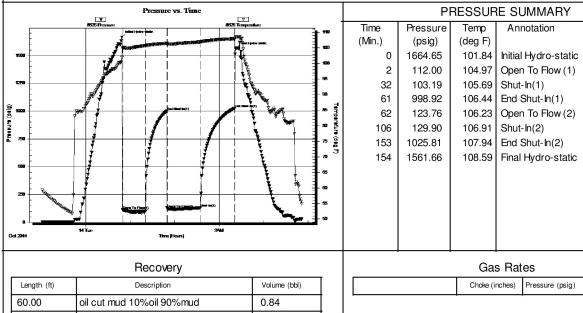
Time Off Btm: 2014.10.14 @ 03:22:30

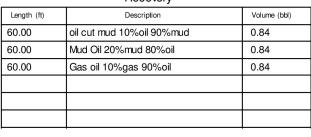
TEST COMMENT: IFP 30 Minutes-Fair blow built bottom of bucket in 22 minutes tool chased 10 feet to bottom

ISIP 30 Minutes-No blow back

FFP 45 Minutes-Weak blow built bottom of bucket in 45 minutes

FSIP 45 Minutes-No blow back





Gas Rate (Mcf/d)

#### **ROCK TYPES** △ △ △ △ Cht vari Lmst fw<7 shale, gry shale, red Dolprim Carbon Sh shale, grn

## **ACCESSORIES**

**FOSSIL STRINGER** Oolite --- Sandstone ♠ Oomoldic

#### **OTHER SYMBOLS**

# Oil Show

- Good Show
- Fair Show
- Poor Show
- O Spotted or Trace
- **DST** BST Int
- DST alt
- 🚰 Core
- II tail pipe
- O Questionable Stn

Sh. gry, black, maroon, greenish

