

Geological Report

American Warrior, Inc.

Haverfield #1-25

93' FSL & 1779' FEL

Sec. 25, T13s, R36w

Logan County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Haverfield #1-25
93' FSL & 1779' FEL
Sec. 25, T13s, R36w
Logan County, Kansas
API # 15-109-21410-00-00

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: May 13, 2015

Completion Date: May 21, 2015

Elevation 3041' G.L.
3052' K.B.

Directions: From Russell Springs, KS. Go SW on Hwy 25 5 miles. Go South on lease road.

Casing: 439' 8 5/8" #24 Surface Casing

Samples: 3750' to RTD 10' Wet & Dry

Drilling Time: 3750' to RTD

Electric Logs: Pioneer Energy Services "C. Desaire"
Full Sweep

Drillstem Tests: Two-Trilobite Testing "Justin Harris"

Problems: None

Formation Tops

Haverfield #1-25

Sec. 25, T13s, R36w

93' FSL & 1779' FEL

Anhydrite	2429' +623
Base	2451' +601
Heebner	3829' -777
Lansing	3874' -822
Stark	4134' -1082
BKc	4212' -1160
Marmaton	4252' -1200
Pawnee	4348' -1296
Fort Scott	4403' -1351
Cherokee	4434' -1382
Morrow	4550' -1498
RTD	4710' -1658
LTD	4711' -1659

Sample Zone Descriptions

Pleasanton (4236', -1184): Covered in DST #1

Ls. Tan. Sub crystalline. Fair oolycastic porosity. Fair stain. Poor saturation. No show of free oil. Poor odor. 20 Unit kick.

Morrow (4550', -1498): Covered in DST #2

Ss. Gray. Glauconitic. Medium to coarse grained. Sub angular. Well sorted. Poorly cemented. Barren. No kick.

Drill Stem Tests
Trilobite Testing
"Justin Harris"

DST #1

Pleasanton

Interval (4236' - 4299') Anchor Length 63'

IHP	-2196 #	
IFP	- 30" – WSB died in 9 min	22-24 #
ISI	- 30" – No Return	660 #
FFP	- 30" – No blow	23-23 #
FSIP	- 30" - No Return	552 #
FHP	- 2011 #	
BHT	- 120° F	

Recovery: 10' Mud with oil spots

DST #2

Morrow

Interval (4540' - 4602') Anchor Length 62'

IHP	-2424 #	
IFP	- 10" - BOB in 1 min	765-930#
ISI	- 30" - No Return	1183 #
FFP	- 10" - BOB in 1 min	966-1126 #
FSIP	- 45" - No Return	1186#
FHP	-2122 #	
BHT	- 134° F	

Recovery: 2162' MCW
470' WCM

Structural Comparison

Formation	American Warrior, Inc. Haverfield #1-25 Sec. 25, T13s, R36w 93' FSL & 1779' FEL	American Warrior, Inc. Sneed-Lamb #1-24 Sec. 24, T13s, R36w 878' FNL & 1235' FWL	Texaco Inc. Berry #1 Sec 21, T13s, R36w 1650' FSL & 330' FEL
Heebner	3829' -777	-16	3715' -761
Lansing	3874' -822	-14	-20
Stark	4134' -1082	-17	3776' -757
BKC	4212' -1160	-22	-16
Marmaton	4252' -1200	-24	3825' -806
Pawnee	4348' -1296	-30	-14
Fort Scott	4403' -1351	-29	4087' -1068
Cherokee	4434' -1382	-29	-25
Morrow	4550' -1498	-26	-24
Miss	NA	NA	-25
			-24
			-23
			-25
			-24
			-23
			-23
			-10
			NA
			4195' -1176
			4290' -1271
			4347' -1328
			4378' -1359
			4507' -1488
			4622' -1603

Summary

The location for the Haverfield #1-25 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted, none of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to plug and abandon the Haverfield #1-25 well.