

NOTES

Company: American Warrior, Inc.

Lease: Hoelscher #2-10

Field: Wildcat

Location:NE-NW-SW-SE

Sec:10 Twsp:18S Rge:10W

County:<u>Rice</u> State:<u>Kansas</u>

KB:1800' GL:1792'

API #:15-195-22796-00-00

Contractor: Duke Drilling, Inc. (Rig #8)

Spud:<u>09/12/2014</u> Comp:<u>09/18/2014</u>

RTD:<u>3400'</u> LTD:<u>3399'</u>

Mud Up: 2600' Type Mud: Chemical

Samples Saved From: <u>2700' 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: <u>Wyatt Urban</u>

Surface Casing: 8 5/8@415'

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

| | American Warrior | | | | | | | | | | | |
|--------------|-------------------------|------------|--------|---|---------------------------------|---------|---------------------|---------------------|------|---------|--------|-----|
| | | DRILLING | WELL | | COMPARISON WELL | | | COMPARISON WELL | | | | |
| | America | n Warrior- | Hoelsc | ner 2-10 | American Warrior-Hoelscher 1-10 | | | Phil-Han- Shonyo #1 | | | | |
| | ● 10-18S-10W | | | SE NW NW SE 10-18S-10W oil Structural | | | 0-18S-10W | | | | | |
| | oil | | | | | | dry hole Structur | | | ural | | |
| | 1800 | KB | | | 1787 KB Relationship | | 1790 KB Relationshi | | | onship | | |
| Formation | Sample | Sub-Sea | Log | Sub-Sea | Log | Sub-Sea | Sample | Log | Log | Sub-Sea | Sample | Log |
| Heebner | 2824 | -1024 | 2824 | -1024 | 2806 | -1019 | -5 | -5 | | | | |
| Toronto | 2839 | -1039 | 2842 | -1042 | 2819 | -1032 | -7 | -10 | | | | |
| Douglas | 2853 | -1053 | 2854 | -1054 | 2832 | -1045 | -8 | -9 | | | | |
| Brown Lime | 2942 | -1142 | 2944 | -1144 | 2927 | -1140 | -2 | -4 | | | | |
| Lansing | 2959 | -1159 | 2962 | -1162 | 2938 | -1151 | -8 | -11 | 2946 | -1159 | 0 | -3 |
| BKC | 3228 | -1428 | 3233 | -1433 | 3218 | -1431 | 3 | -2 | | | | |
| Conglomerate | 3264 | -1464 | 3268 | -1468 | 3246 | -1459 | -5 | -9 | | | | |
| Arbuckle | 3284 | -1484 | 3281 | -1481 | 3277 | -1490 | 6 | 9 | 3280 | -1493 | 9 | 12 |
| RTD | 3400 | -1600 | 3400 | -1600 | 3400 | -1613 | 13 | 13 | | | | |
| LTD | 3399 | -1599 | 3399 | -1599 | 3402 | -1615 | 16 | 16 | | | | |

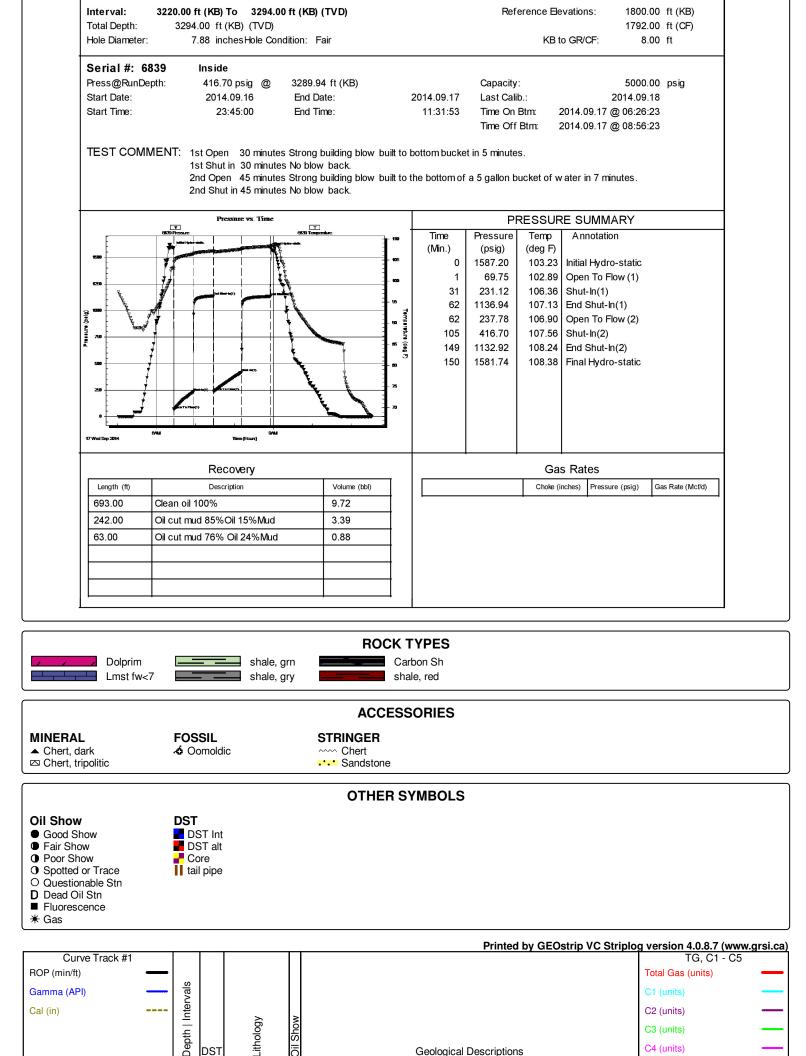


DRILL STEM TEST REPORT

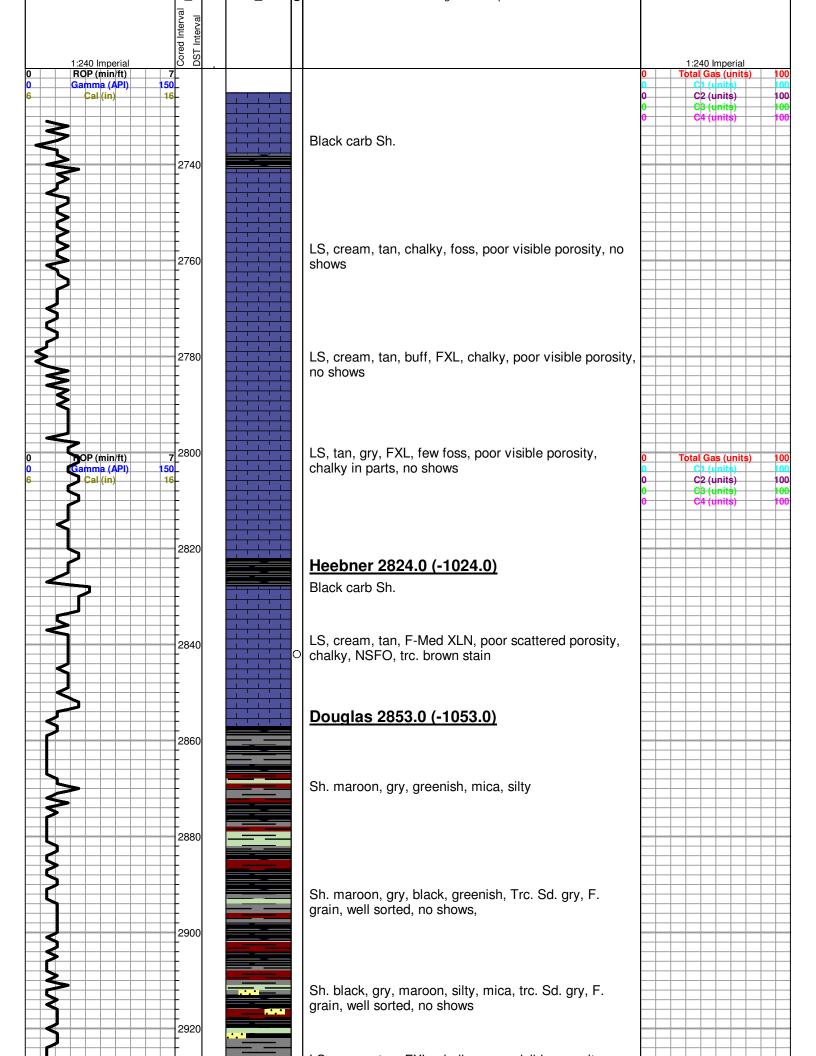
| | | | 10- | 18s-10w | | |
|--|--------------------------|--|---|---|--|--|
| ESTING , INC | | | Ho | elscher | 2-10 | |
| | Garden City Kansas 67846 | | Job Ticket: 60320 | | | DST#:1 |
| NOW . | ATTN: Wyatt Urban | Tes | Test Start: 2014.09.17 @ 01:00:00 | | | |
| GENERAL INFORMATION: | | | | | | |
| Formation: Lansing H-I-J | ft (KB) | | Taa | + Tunoi (| Conventione | Detter Lale (Initia) |
| Deviated: No Whipstock: Time Tool Opened: 02:33:00 | | Tes | | Conventiona Dustin Ellis | al Bottom Hole (Initial) | |
| Time Test Ended: 06:16:00 | | | | | S2-Great Be | end-80 |
| Interval: 3078.00 ft (KB) To 3 ⁴ | 164.00 ft (KB) (TVD) | | Refe | erence Ele | vations: | 1800.00 ft (KB) |
| Total Depth: 3164.00 ft (KB) (T | , | | | | 00/05 | 1792.00 ft (CF) |
| Hole Diameter: 7.88 inches Hol | e Condition: Fair | | | KB t | o GR/CF: | 8.00 ft |
| Serial #: 6999 Outside | | | | | | |
| Press@RunDepth: 64.60 psig | - | 2014 22 47 | Capacity | | | 5000.00 psig |
| Start Date: 2014.09.17 Start Time: 01:01:00 | End Date: End Time: | 2014.09.17 06:16:00 | Last Calil Time On | | 2014.09.17 (| 2014.09.17 @ 02:32:30 |
| Start Hills. 01.01.00 | | 00.10.00 | Time Off | | 2014.09.17 (2014.09.17 (| - |
| Pressure vs. 7 | 11IIIC Tomponiare | Time | | | | |
| | | Time | Pressure | Temp | Annotatic | on |
| 100 | | (Min.) | (psig) | (deg F) | | |
| | - 105 | (Min.) 0 | (psig) 1555.12 | (deg F) 100.97 | Initial Hydro | o-static |
| | | (Min.) | (psig) | (deg F) 100.97 102.02 | Initial Hydro | o-static |
| | | (Min.) 0 1 29 59 | (psig) 1555.12 58.13 | (deg F) 100.97 102.02 104.35 104.52 | Initial Hydro Open To F Shut-In(1) End Shut-Ir | o-static low (1) n(1) |
| | | (Min.) 0 1 29 59 | (psig) 1555.12 58.13 61.29 623.71 61.73 | (deg F) 100.97 102.02 104.35 104.52 104.43 | Initial Hydro Open To F Shut-In(1) End Shut-Iı Open To F | o-static low (1) n(1) |
| | | (Min.) 0 1 29 59 | (psig) 1555.12 58.13 61.29 623.71 61.73 64.60 | (deg F) 100.97 102.02 104.35 104.52 104.43 104.43 | Initial Hydro Open To F Shut-In(1) End Shut-Ir Open To F Shut-In(2) | o-static low (1) n(1) low (2) |
| | | (Min.) 0 1 29 59 60 | (psig) 1555.12 58.13 61.29 623.71 61.73 | (deg F) 100.97 102.02 104.35 104.52 104.43 104.46 104.72 | Initial Hydro Open To F Shut-In(1) End Shut-Iı Open To F | o-static low (1) n(1) low (2) n(2) |
| | | (Min.) 0 1 29 59 60 104 145 | (psig) 1555.12 58.13 61.29 623.71 61.73 64.60 564.76 | (deg F) 100.97 102.02 104.35 104.52 104.43 104.46 104.72 | Initial Hydro Open To F Shut-In(1) End Shut-Ir Open To F Shut-In(2) End Shut-I | o-static low (1) n(1) low (2) n(2) |
| 200 700 700 700 700 700 700 700 | | (Min.) 0 1 29 59 60 104 145 | (psig) 1555.12 58.13 61.29 623.71 61.73 64.60 564.76 | (deg F) 100.97 102.02 104.35 104.52 104.43 104.46 104.72 104.92 | Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro | o-static low (1) n(1) low (2) n(2) |
| reading and the second | | (Min.) 0 1 29 59 60 104 145 | (psig) 1555.12 58.13 61.29 623.71 61.73 64.60 564.76 | (deg F) 100.97 102.02 104.35 104.52 104.43 104.46 104.72 104.92 | Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro | o-static low (1) n(1) low (2) n(2) o-static |
| 520 500 500 500 500 500 500 500 500 500 | | (Min.) 0 1 29 59 60 104 145 | (psig) 1555.12 58.13 61.29 623.71 61.73 64.60 564.76 | (deg F) 100.97 102.02 104.35 104.52 104.43 104.46 104.72 104.92 | Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro | o-static low (1) n(1) low (2) n(2) |
| zza model zza m | Volume (bbl) | (Min.) 0 1 29 59 60 104 145 | (psig) 1555.12 58.13 61.29 623.71 61.73 64.60 564.76 | (deg F) 100.97 102.02 104.35 104.52 104.43 104.46 104.72 104.92 | Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro | o-static low (1) n(1) low (2) n(2) o-static |
| zza wiel w | Volume (bbl) | (Min.) 0 1 29 59 60 104 145 | (psig) 1555.12 58.13 61.29 623.71 61.73 64.60 564.76 | (deg F) 100.97 102.02 104.35 104.52 104.43 104.46 104.72 104.92 | Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro | o-static low (1) n(1) low (2) n(2) o-static |
| zza wiel w | Volume (bbl) | (Min.) 0 1 29 59 60 104 145 | (psig) 1555.12 58.13 61.29 623.71 61.73 64.60 564.76 | (deg F) 100.97 102.02 104.35 104.52 104.43 104.46 104.72 104.92 | Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro | o-static low (1) n(1) low (2) n(2) o-static |
| zza | Volume (bbl) | (Min.) 0 1 29 59 60 104 145 | (psig) 1555.12 58.13 61.29 623.71 61.73 64.60 564.76 | (deg F) 100.97 102.02 104.35 104.52 104.43 104.46 104.72 104.92 | Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro | o-static low (1) n(1) low (2) n(2) o-static |
| zza | Volume (bbl) | (Min.) 0 1 29 59 60 104 145 | (psig) 1555.12 58.13 61.29 623.71 61.73 64.60 564.76 | (deg F) 100.97 102.02 104.35 104.52 104.43 104.46 104.72 104.92 | Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro | o-static low (1) n(1) low (2) n(2) o-static |

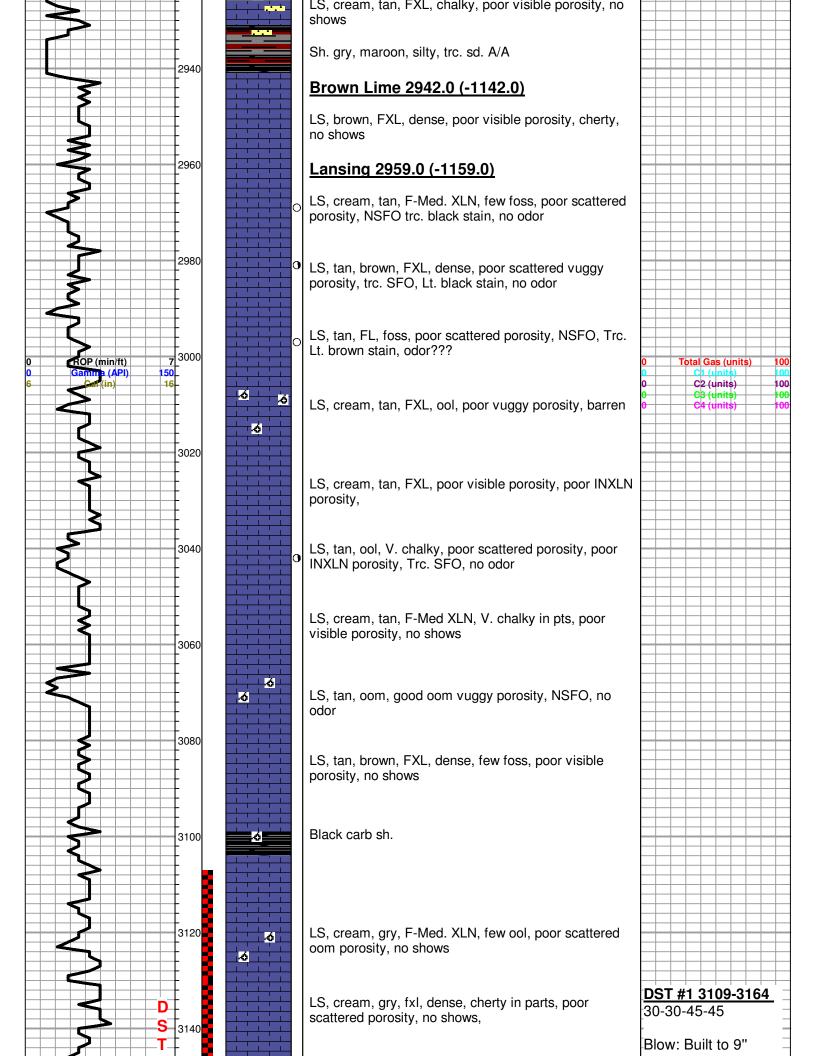
Image Header 04

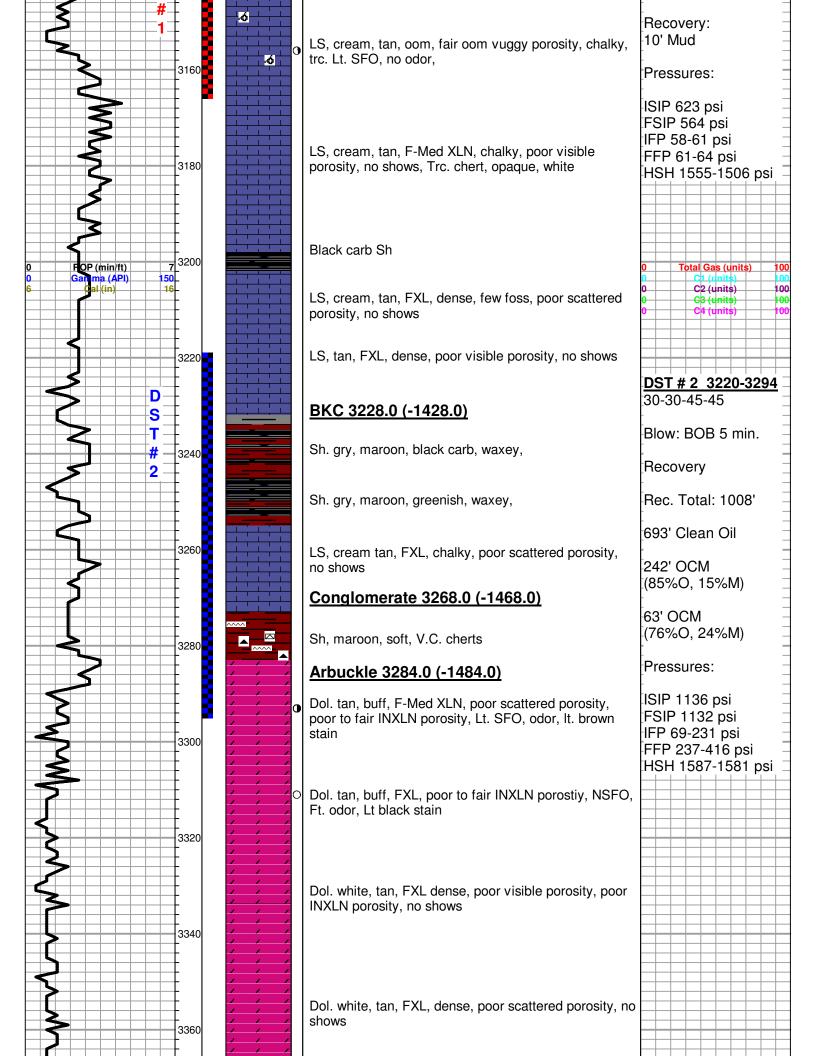
| TRILOBITE | RII ORITE | DRILL STEM TEST REPORT | | | | |
|-------------------------------|------------------------------|--------------------------|-----------------------|--------------------------------|-----------------------|--|
| | _ | American Warrior | 10-18s-10w-Rice | | | |
| | ESTING , INC | STTO Outrinings Ru | Hoelscher 2-10 | | | |
| | | Garden City Kansas 67846 | Job Ticket: | 60321 | DST#: 2 | |
| NON. | | ATTN: Wyatt Urban | Test Start: | 2014.09.17 @ 0 | 95:00:00 | |
| GENERAL INF | FORMATION: | | | | | |
| Formation: | Arbuckle | | | | | |
| Deviated: Time Tool Openeo | No Whipstock: d: 06:32:30 | ft (KB) | Test Type: Tester: | Conventional E Dustin Ellis | Bottom Hole (Initial) | |
| Time Test Ended: | : 16:47:53 | | Unit No: | S2-Great Ben | d-80 | |



| 0 | | | | |
|------|---------|------|------|------|
| (200 | logical | 1)00 | orin | hone |
| | | | | |







| | 3380 | Dol. A/A | | | | |
|----------------------------------|------|--|-----------------------|---------------|--|--------------------------|
| 0 RTD 3400' 150 6 Cal (in) 16 | 3400 | Dol. white, gry, FXL, dense, poor visible porosiy, no shows, Trc. few Qtz. Lg. grains, heavily fractured, no shows | 0 0 0 0 0 | C 3 (1 | as (units) units) units) units) units) | 100 100 100 100 |
| | 3420 | | | | | |