

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1048051

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

| | LICTODY | - DESCRIP | TION OF | | IEACE |
|-------|----------------|-----------|---------|--------|-------|
| VVELL | HISIOKI | - DESCRIP | | VVELLQ | LEASE |

| OPERATOR: License # | API No. 15 |
|--|--|
| Name: | Spot Description: |
| Address 1: | |
| Address 2: | Feet from North / South Line of Section |
| City: State: Zip:+ | Feet from East / West Line of Section |
| Contact Person: | Footages Calculated from Nearest Outside Section Corner: |
| Phone: () | |
| CONTRACTOR: License # | County: |
| Name: | Lease Name: Well #: |
| Wellsite Geologist: | Field Name: |
| Purchaser: | Producing Formation: |
| Designate Type of Completion: | Elevation: Ground: Kelly Bushing: |
| New Well Re-Entry Workover | Total Depth: Plug Back Total Depth: |
| Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): | Amount of Surface Pipe Set and Cemented at: Feel Multiple Stage Cementing Collar Used? Yes If yes, show depth set: Feel If Alternate II completion, cement circulated from: sx cmt feet depth to: w/ |
| If Workover/Re-entry: Old Well Info as follows: | w/SX Unit |
| Operator: | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls Dewatering method used: |
| Conv. to GSW Plug Back: Plug Back Total Depth Commingled Permit #: | Location of fluid disposal if hauled offsite: |
| Dual Completion Permit #: | License #: |
| SWD Permit #: | QuarterSec TwpS. R East West |
| ENHR Permit #: GSW Permit #: | County: Permit #: |
| 65w Femilie# | |
| Spud Date or Date Reached TD Completion Date or Recompletion Date | |

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

| KCC Office Use ONLY |
|------------------------------------|
| Letter of Confidentiality Received |
| Date: |
| Confidential Release Date: |
| Wireline Log Received |
| Geologist Report Received |
| UIC Distribution |
| ALT I II III Approved by: Date: |

| | Side Two | |
|-------------------------|-------------|---------|
| Operator Name: | Lease Name: | Well #: |
| Sec TwpS. R East _ West | County: | |
| | | |

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

| Drill Stem Tests Taken (Attach Additional She | eets) | Yes | No | | og Formatio | n (Top), Depth an | d Datum | Sample |
|---|----------------------|-------------------------|----------------------|----------------------|-------------------------------|-------------------|-----------------|-------------------------------|
| Samples Sent to Geolog | gical Survey | Yes | No | Nam | e | | Тор | Datum |
| Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy) | Electronically | ☐ Yes ☐ Yes ☐ Yes | □ No □ No □ No | | | | | |
| List All E. Logs Run: | | | | | | | | |
| | | Report all | | RECORD No | ew Used ermediate, product | ion, etc. | | |
| Purpose of String | Size Hole Drilled | Size Ca Set (In C | sing | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: Perforate | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|-----------------------------|---------------------|----------------|--------------|----------------------------|
| Protect Casing Plug Back TD | | | | |
| Plug Off Zone | | | | |

| Shots Per Foot | | | N RECORD - Bridge Plugs Set/Type otage of Each Interval Perforated | | | | | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | | | | | | |
|--|----------|------------------|---|-----------------|---------|---------------------|-------------------------|---|---------------|---------|--|--|--|--|
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| | | | | | | | | | | | | | | |
| TUBING RECORD: | Set At: | | Packe | r At: | Liner R | un: | No | | | | | | | |
| Date of First, Resumed | Product | ion, SWD or ENH | ۲. | Producing M | lethod: | ping | Gas Lift | Other (Explain) | | | | | | |
| Estimated Production Oil Bbls. Per 24 Hours | | | ls. | Gas | Mcf | Wate | ər | Bbls. | Gas-Oil Ratio | Gravity | | | | |
| | | | 1 | | | | | | | | | | | |
| DISPOSITIO | | METHOD OF COMPLE | | | | | PRODUCTION INTER | VAL: | | | | | | |
| Vented Sold | | Used on Lease | | Open Hole | Perf. | Dually (Submit A | Comp. AC <i>O-5)</i> | Commingled (Submit ACO-4) | | | | | | |
| (If vented, Sul | bmit ACC |)-18.) | | Other (Specify) | | | | | - <u></u> | | | | | |

| Form | ACO1 - Well Completion |
|-----------|------------------------|
| Operator | American Warrior, Inc. |
| Well Name | Jensen 3 |
| Doc ID | 1048051 |

Tops

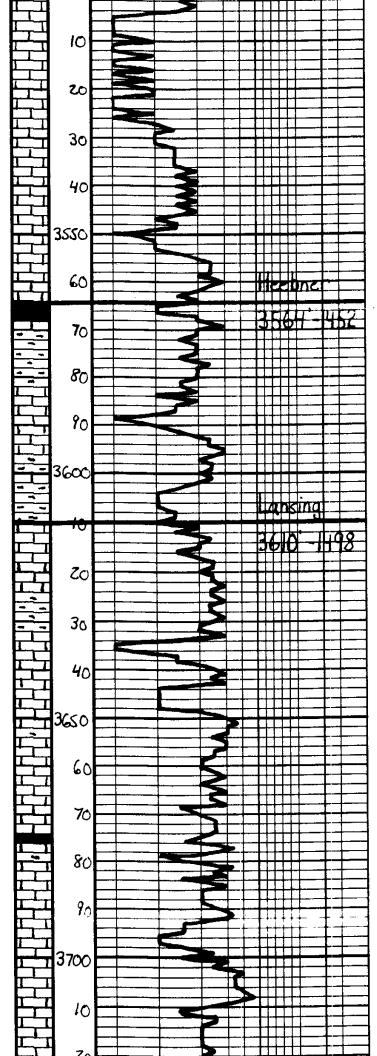
| Name | Тор | Datum |
|---------------|------|-------|
| Anhydrite | 1314 | +798 |
| Chase | 2192 | -78 |
| Heebner | 3564 | -1452 |
| Lansing | 3608 | -1496 |
| ВКС | 3926 | -1812 |
| Pawnee | 4008 | -1894 |
| Ft. Scott | 4079 | -1965 |
| Cherokee | 4094 | -1982 |
| Mississippian | 4194 | -2080 |
| LTD | 4234 | -2120 |

| REFERENCE WELL FOR STRUCTURAL COMPARISON American Warson Lichtics. The Jenson #7. 1350'FSL \$ 1530'FFL Suc. 27 Tills R.Zhu | - 192- 0212 - 0212 - - 9102- 0511 - 0212 - - 1881 - 1801 - 2802 - - 1881 - 9101 - 2912 - - 2951 - 9101 - 2914 - | MON 100 2001 - 2005 - 2005 - 2001 NOI 100 2001 - 2005 - 20 | 10 10 4654 | Discovery Drilling Co., Tr. Rig #3 10 comp. 1-28-10 | Nyersee NG N 1250' FSL & 680' FEL N 1250' FSL & 680' FEL Nece State Koncor | TOR American Well NO. | n Aim Petroleum Geolog P.O. Box 1260 Hays, KS 67601 APT | Hard Rock Consulting. Inc. |
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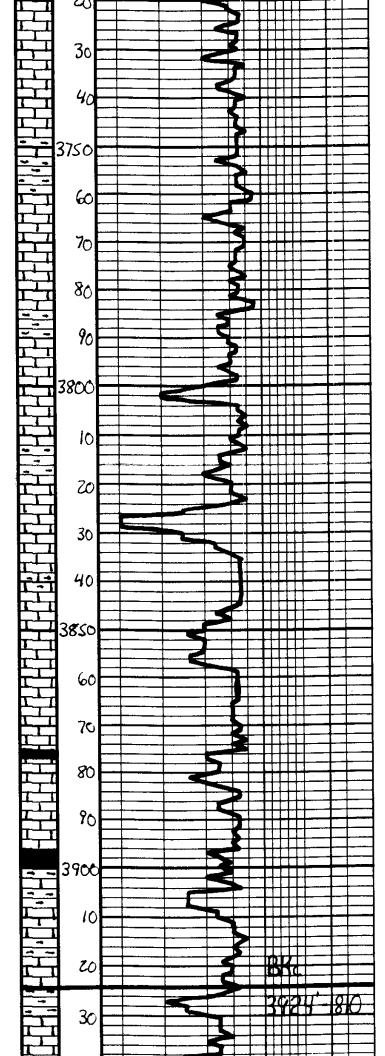
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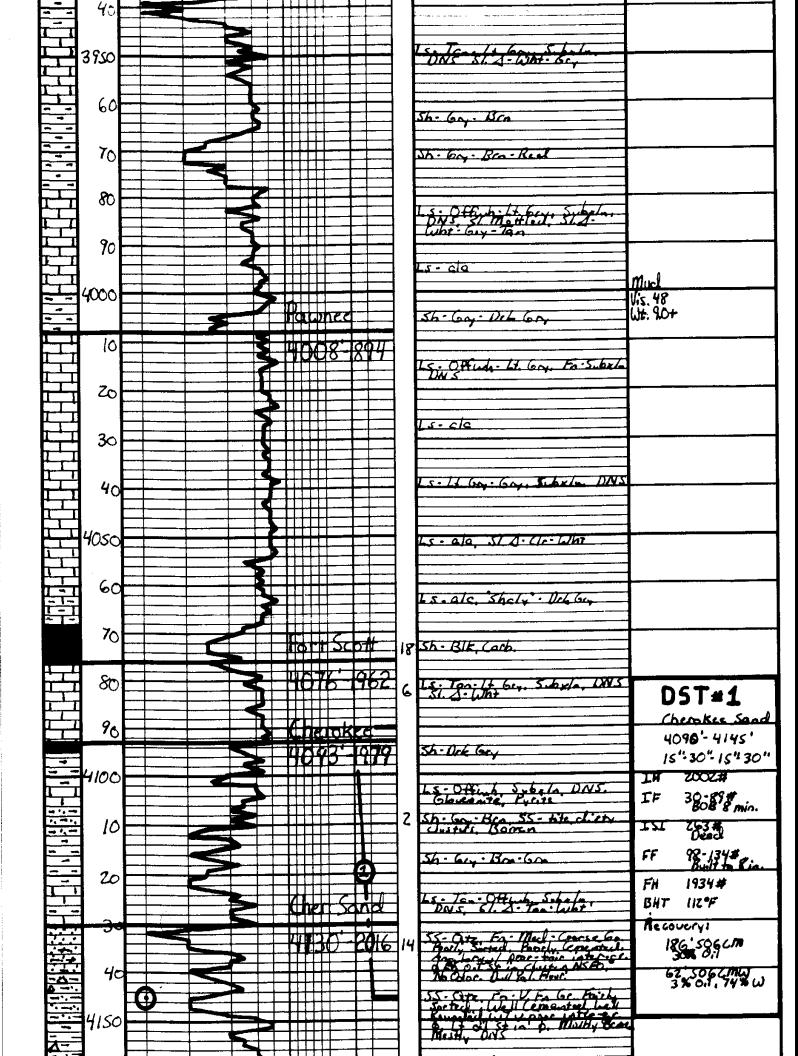
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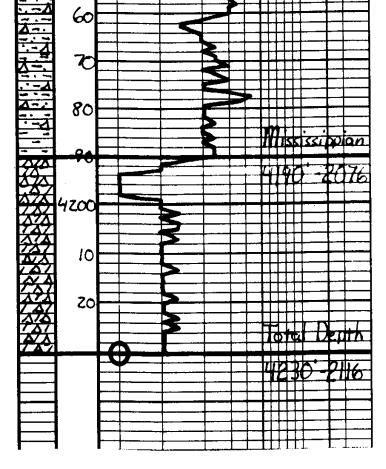


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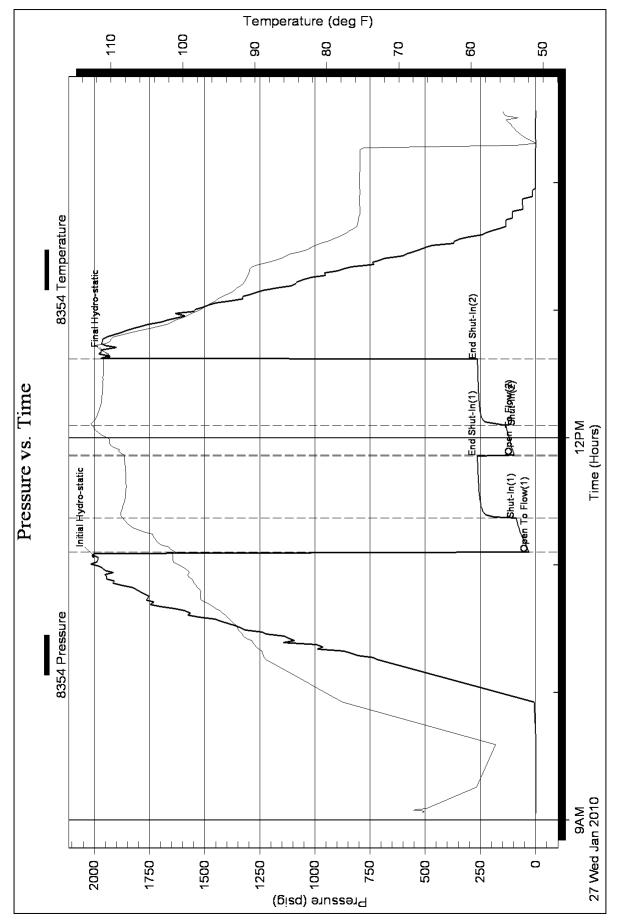
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| | DRILL STEM TE | ST | REPO | ORT | | | | |
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| | American Warrior Inc | | | Jei | nsen#3 | ; | | |
| ESTING | D0X 333 | | | 27- | 18-21-Ne | ess-Ks | 6 | |
| | Garden City Ks 67846 | | | Job | Ticket: 36 | 6846 | DST | #:1 |
| | ATTN: Cecil O'Brate | | | Tes | t Start: 20 | 010.01.2 | 27 @ 09:03:17 | 7 |
| GENERAL INFORMATION: | | | | | | | | |
| Formation:Cher SdDeviated:NoWhipsTime Tool Opened:11:05:47Time Test Ended:14:33:47 | tock: ft (KB) | | | Tes | ter: I | Conven Dan Ba 38 | itional Bottom | Hole |
| Total Depth: 4145.00 ft (| o 4145.00 ft (KB) (TVD) KB) (TVD) nesHole Condition: Good | | | Ref | erence Ele KB t | evations | 2106. | 00 ft (KB) 00 ft (CF) 00 ft |
| Serial #: 8354 Inside | | | | | | | | |
| Press@RunDepth:134.47Start Date:2010. | 7 psig @ 4093.00 ft (KB) 01.27 End Date: 03:18 End Time: | | 010.01.27 14:33:47 | Capacity Last Cali Time On Time Off | b.: Btm: 2 | | 8000. 2010.01.: 1.27 @ 11:04: 1.27 @ 12:38: | 17 |
| TEST COMMENT: IF-Strong | B-B in 8 min | | | | | | | |
| FF-Weak | building to 8" | | | | | | | |
| Prac | sure vs. Time | | | | | | MMARY | |
| 8354 Pressure | 8364 Temperature | \vdash | Time | Pressure | Temp | | otation | |
| | | | (Min.) 0 | (psig) 2002.19 | (deg F) 101.39 | Initial I | Hydro-static | |
| | | | 2 | 2002.19 | 101.03 | | To Flow (1) | |
| | | | 18 | 89.33 | 108.33 | | | |
| | | Ten | 47 | 263.10 | 108.17 | | hut-ln(1) | |
| | | peratu | 48 62 | 98.45 134.47 | 108.14 | | To Flow (2) | |
| | | nperature (deg F) | 93 | 262.72 | 111.09 | | hut-ln(2) | |
| 790 600 250 904 904 27 Word Jan 2010 | | P | 94 | 1934.18 | 110.43 | | -lydro-static | |
| Reco | | | | | Ga | s Rate | | |
| Length (ft) Descri | | | | | Choke (i | | Pressure (psig) | Gas Rate (Mcf/d) |
| | r 3%g 3%o 74%w 2 0 %0.87 | | | | 5.000(1 | | (poig) | |
| 186.00 Sitly O&GCM 3%g | - | | | | | | | |
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| (On- | | DRI | ILL STEM TEST RI | EPORT | - | | FLUID S | UMMARY |
|---------------------------|--------------------------------------|--------|--------------------------------------|-----------|---------------|----------------|------------|---------|
| | | Americ | can Warrior Inc | | Jensen # | 3 | | |
| | RILOBITE | Box 39 | 99 | | 27-18-21-N | less-Ks | | |
| | _ | | n City Ks 67846 | | Job Ticket: 3 | | DST#:1 | |
| | | ATTN: | Cecil O'Brate | | Test Start: 2 | 010.01.27 @ | 09:03:17 | |
| Mud and C | ushion Information | | | | | | | |
| | Gel Chem | | Cushion Type: | | | Oil A PI: | | deg API |
| Mud Weight: | 9.00 lb/gal | | Cushion Length: | | ft | Water Salinity | ' : | ppm |
| Viscosity: Water Loss: | 45.00 sec/qt 7.20 in ³ | | Cushion Volume: Gas Cushion Type: | | bbl | | | |
| Resistivity: | ohm.m | | Gas Cushion Pressure: | | psig | | | |
| Salinity: | 4800.00 ppm | | | | poig | | | |
| Filter Cake: | inches | | | | | | | |
| Recovery I | nformation | | _ | | | | | |
| | · · · · · | | Recovery Table | | | т | | |
| | Leng ft | th | Description | | Volume bbl | | | |
| | | 62.00 | Sltly O&GCMdyWtr 3%g 3%o 74 | 4%w 20%m | 0.870 | | | |
| | | 186.00 | SltlyO&GCM 3%g 3%o 94%M | | 2.609 | 9 | | |
| | Total Length: | 248 | 3.00 ft Total Volume: | 3.479 bbl | | | | |
| | Num Fluid Samp | | Num Gas Bombs: | 0 | Serial # | : | | |
| | Laboratory Nam | | Laboratory Location: | | | | | |
| | Recovery Com | nents: | | | | | | |
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| L | esting Inc | | Pef No: 368/6 | | | · 2010 01 27 (| | |



27-18-21-Ness-Ks



Printed: 2010.01.27 @ 15:36:10 Page 3

Ref. No: 36846

Trilobite Testing, Inc

Geological Report

American Warrior, Inc. Jensen #3 1250' FSL & 680' FEL Sec. 27 T18s R21w Ness County, Kansas



American Warrior, Inc.

General Data

| Well Data: | American Warrior, Inc. Jensen #3 1250' FSL & 680' FEL Sec. 27 T18s R21w Ness County, Kansas API # 15-135-25018-0000 |
|----------------------|--|
| Drilling Contractor: | Discovery Drilling Co., Inc. Rig #3 |
| Geologist: | Jason Alm |
| Spud Date: | January 21, 2009 |
| Completion Date: | January 28, 2009 |
| Elevation: | 2106' Ground Level 2114' Kelly Bushing |
| Directions: | Bazine KS, East on Hwy 96 to HH road, 1/4 mi. South on HH road, West into location. |
| Casing: | 1324' 8 5/8" surface casing 4233' 5 1/2" production casing |
| Samples: | 10' wet and dry, 3500' to RTD |
| Drilling Time: | 3500' to RTD |
| Electric Logs: | Log-Tech, Inc. "Jason Wellbrock" CNL/CDL, DIL |
| Drillstem Tests: | One, Trilobite Testing, Inc. "Dan Bangle" |
| Problems: | None |
| Remarks: | None |

| | American Warrior, Inc. |
|---------------|------------------------|
| | Jensen #3 |
| | Sec. 27 T18s R21w |
| Formation | 1250' FSL & 680' FEL |
| Anhydrite | 1314', +798 |
| Base | 1349', +763 |
| Heebner | 3564', -1452 |
| Lansing | 3608', -1496 |
| BKc | 3926', -1812 |
| Pawnee | 4008', -1894 |
| Fort Scott | 4079', -1965 |
| Cherokee | 4094', -1982 |
| Cher. Sand | 4124', -2010 |
| Mississippian | 4194', -2080 |
| RTD | 4230', -2116 |
| LTD | 4234', -2120 |

Formation Tops

Sample Zone Descriptions

Cherokee Sand (4124', -2010): Covered in DST #1 SS – Quartz, Clear, slightly frosted, fine to medium to coarse grained, angular, poor cementation, poorly sorted, with poor to fair inter-granular porosity, light scattered oil stain in cluster, no show of free oil, no odor, dull yellow fluorescents, 14 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc. "Dan Bangle"

| DST #1 | <u>Cherokee Sa</u> Interval (4090 IHP – 2002 | 0' – 4145') Anchor Lei | ngth 55' | | | | | | | |
|--------|--|--------------------------|-----------------------|----------|--|--|--|--|--|--|
| | IFP – 15" | – B.O.B. 8 min. | | 30-89 # | | | | | | |
| | ISI – 30" | – Dead | | 263 # | | | | | | |
| | FFP – 15" | – Built to 8 in. | | 98-134 # | | | | | | |
| | FSI – 30" | – Dead | | 262 # | | | | | | |
| | FHP – 1934 | – 1934 # | | | | | | | | |
| | BHT -112 | °F | | | | | | | | |
| | Recovery: | 186' SOGCM 62' SOGCMW | 3% Oil 3% Oil, 74% | Water | | | | | | |

Structural Comparison

| | American Warrior, Inc. | American Warrior, Inc. | | Pickrell Drilling Co. | |
|---------------|------------------------|------------------------|-------|-----------------------|-------|
| | Jensen #3 | Jensen #2 | | Marshall B #1 | |
| | Sec. 27 T18s R21w | Sec. 27 T18s R21w | | Sec. 27 T18s R21w | |
| Formation | 1250' FSL & 680' FEL | 1350' FSL & 1530' FEL | | C SE SE | |
| Anhydrite | 1314', +798 | 1322', +789 | (+9) | 1374', +794 | (+4) |
| Base | 1349', +763 | NA | NA | 4107', +761 | (+2) |
| Heebner | 3564', -1452 | 3560', -1449 | (-3) | 3623', -1455 | (+3) |
| Lansing | 3608', -1496 | 3606', -1495 | (-1) | 3668', -1500 | (+4) |
| BKc | 3926', -1812 | 3918', -1807 | (-5) | NA | NA |
| Pawnee | 4008', -1894 | 3998', -1887 | (-7) | 4066', -1898 | (+4) |
| Fort Scott | 4079', -1965 | 4068', -1957 | (-8) | 4136', -1968 | (+3) |
| Cherokee | 4094', -1982 | 4085', -1974 | (-8) | 4154', -1986 | (+4) |
| Cher. Sand | 4124', -2010 | NA | NA | NA | NA |
| Mississippian | 4194', -2080 | 4164', -2053 | (-27) | 4235', -2067 | (-13) |

Summary

The location for the Jensen #3 was found via 3-D seismic survey. The new well ran structurally lower than expected via the survey. One drill stem test was conducted which recovered commercial amounts of oil from the Cherokee Sand Formation. After all gathered data had been thoroughly examined the decision was made to run $5\frac{1}{2}$ inch production casing to further evaluate the Jensen #3 well.

Recommended Perforations

Primary:

Cherokee Sand

(4124' – 4132') DST #1

Respectfully Submitted,

Jason Alm Hard Rock Consulting, Inc.

| | | | | | | | | and the second sec | وركرة مسمومه |
|---------------|-------------------|-------------------|--------------------|---|--|---|-----------------------|--|---|
| | | ed on this tickel | services list | s receipt of the materials and services listed on this ticket | | CUSIOMER ACCEPT ANCE OF MATERIALS AND SERVICES The customer hereby acknowledge APPROVAL | AEK AGGEPTANCE OF MAT | A CONTRACT OF | SWIFT OPERATOR |
| | TOTAL | SPOND | /ISH TO RES | CUSTOMER DID NOT WISH TO RESPOND | | | | | . |
| | | 0 | | | ARE YOU SALISH | | | | |
| | ΤΑΧ | | |) JOB ? | AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | P.O. BOX 466 NESS CITY KS 67560 | | | X |
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