Well Name:
Surface Location: Bottom Location: API: 15-159-22780
License Number:
Spud Date: Region: Drilling Completed:
Surface Coordinates: Bottom Hole Coordinates: Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type: Chemical mud

Behnke \#11
NE/NE/NW/SE

3682
5/22/2014
Rice County
5/28/2014 2381' FSL \& 1579' FEL
1722.00 ft
1727.00 ft
300.00 ft
3263.00 ft

Arbuckle

## OPERATOR

| Company: | Mark Allen Connell |
| ---: | :--- |
| Address: | 606 W. Albro Street |
|  | Claflin, KS 67525 |

Contact Geologist: Contact Phone Nbr: Well Name: Location:

Pool:
State:

Behnke \#11
NE/NE/NW/SE
Kansas

API: 15-159-22780
Field: Chase-Silica
Country: United States

## LOGGED BY

Company: Darrah Oil Co.
Address: 225 N. Market, Suite \#300
Wichita, KS 67202
Phone Nbr: (316) 219-3390
Logged By: Geologist Name: Seth L. Evenson

|  | CONTRACTOR |  |  |
| ---: | ---: | :--- | :--- |
| Contractor: | Mallard J.V. |  |  |
| Rig \#: |  |  |  |
| Rig Type: | Standard double | Time: | $4: 30 \mathrm{PM}$ |
| Spud Date: | $5 / 22 / 2014$ | Time: | $2: 00 \mathrm{AM}$ |
| TD Date: | $5 / 28 / 2014$ | Time: | $2: 30 \mathrm{PM}$ |


| CASING SUMMARY |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Surface | Intermediate | Main |  |  |
| Bit Size <br> Hole Size | $\begin{aligned} & 12.25 \text { in } \\ & 12.25 \text { in } \end{aligned}$ |  | $\begin{aligned} & 7.88 \text { in } \\ & 7.88 \text { in } \end{aligned}$ |  |  |
|  | Size | Set At | Type | \# of Joints | Drilled Out At |
| Surf Casing <br> Int Casing | 8.625 in | 289 ft |  |  | 5/23/2014 2:00 PM |
| Prod Casing | 5.5 in | 3244 ft | 14\# | 77 | 6/20/2014 10:00 AM |
| CASING SEQUENCE |  |  |  |  |  |
| Type |  | Hole Size 0.00 in | $\begin{gathered} \text { Casing Size } \\ 0.00 \end{gathered}$ | $\begin{gathered} \text { At } \\ 0.00 \mathrm{ft} \end{gathered}$ |  |

Rec: 744' GIP
$5^{\prime}$ CIn Oil
62' GMCO (73\% OIL)
Rec: 1550' GIP
930' CIn Oil
62' SW\&MCGO (45\% OIL) 124' HGCMO (20\% OIL)

## 124' VSMCO (99\% OIL)

62' VSM\&WCHGCO (25\% OIL) 62' SWCMGO (60\% OIL)
$B H T=111 \operatorname{deg} F$
$B H T=115 \operatorname{deg} F$

## ROCK TYPES

| 1/\入 | Anhyprim | $\square$ | Lmst fw $<7$ |
| :---: | :---: | :---: | :---: |
|  | Coal | ¢1, | Lmst fw7> |
| , , , | Dolprim | $\pi \pi \pi$ | Mristcalc |
| 7 7 | Dolsec | $\square \because \because \because \because \because \because \cdot \theta$ | Ss |


| $\underline{\square}$ | Shgy |  | Ool grnst |
| :---: | :---: | :---: | :---: |
| - - | Shblck | $0 \cdot 0.0 \cdot 0^{\circ}$ | Chtcongl |
| $\square$ | Shcol | [.8.0.0. | Lscong) |
| $\cdots$ | Sltst |  |  |


|  |  | ACCESSORIES |
| :---: | :---: | :---: |
| MINERAL <br> $\triangle$ Chert White | FOSSIL <br> - Bioclastic or Fragmenté <br> © Crinoids <br> F Fossils < 20\% <br> - Oolites | STRINGER <br> $\because$ Sandstone Trm Marlstone Cal |


|  | OTHER SYMBOLS |
| :--- | :--- |
| OIL SHOWS |  |
| - Even Stn |  |
| Spotted Stn $50-75 \%$ |  |
| S Spotted Stn $25-50 \%$ |  |
| o Spotted Stn $1-25 \%$ |  |
| O Questionable Stn |  |
| D Dead Oil Stn |  |
| Rluorescence |  |

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$2400^{\prime}-20^{\prime}$ : Shale, gry, silty, platy. Some ims crm-yellow, micro xtin, med-hrd res, no vis por. Tre SS clst, It gry-off wht, sli shaley, vfn rnded, qtz grains, sft-semi fri. pr vis intr gran por. NS.

2420-40': Shale, gry, platy, some sli sndy \& silty. Much ims it gry, vfn xtln, hrd res, no vis por.

2440'-60': Lms, gry, brwn, crm, micro-vfn xtin, med-hrd res, trc foss, no vis por.

2460'-80': Lms, gry-drk gry, vfn xtin, med-hrd res, sli shaley, abndtly foss, pr-no vis por. Trc colored shale


2480'-2500': SS, It gry, vry shaley, vfn grained, micaceous, poss trc gas bubbles on brk, med res, pr intr-gran por. Much Ims, tan, micro-vfn xtln, no vis por. Some gry platy shale.

2500'-20': Lms, gry-gry/brwn, micro-vfn xtin, hrd res, no vis por. Much gry-drk gry platy shale. Tre SS w/trc gas as abv.

2520'-40': Lms, crm-gry, vfn xtin, few allocems, sli foss, some sli shaley, med-hrd res, pr-no vis por.
$2540^{\prime}-60^{\prime}$ : Lms, gry, vfn xtin, med-hrd res, abndtly foss, shaley to chlky matrix, no vis por.

2560'-80': Lms, crm-brwn \& It gry, vfn xtin, med-hrd res, some ratty looking w/sli chlky matrix, pr-no vis por.

2580'-2600': Lms, crm, vfn xtin, med res, tre foss, pr-no vis por. Some gry Imy shale/shaley Ims.

2600'-20': Lms crm-lt gry, as abv. Some sli ratty looking ims. All prno vis por.

2620'-40': Lms, crm-lt gry, vfn xtin, med-hrd res, no vis por. Some $\mathrm{w} / \mathrm{sli}$ shaley matrix.

2640'-50': Lms, crm-gry, fn xtin, med res. Pr-no vis por. Much chrt gry-off wht, shrp \& frsh. Trc xtln pyrite.

2650'-60': Lms, It gry-crm, vry sli chliky, med res, no vis por. Some shale, gry, maroon etc.

2660'-70': Lms, crm-gry, some sli ratty looking, med-hrd res, vfn-fn xtin, pr-no vis por. Some red/brwn \& gry platy, shale. Tre pyrite.

2670'-80': Lms, off-wht to It gry, fn xtin, med res, no vis por. Tre gry shale. Trc off-wht, shrp chrt.

2680'-90': Shale, gry, fissile \& red/brwn blky, tre grn \& prpl, trc blk carb shale. Vry much ims, tan, sli chliky, sft-med res, no vis por. A few pcs gry \& off-wht shrp chrt.

2690'-2700': Shale, gry, red/brwn, maroon, gry/grn, trc blk carb,



$\beta=1$

