OPERATOR

Company: Charles N. Griffin Address: PO Box 347

Pratt, KS 67124

Contact Geologist: Contact Phone Nbr:

Well Name: #1 Aria

Location: Section 34-29S-15W

API: 15-151-22497

Pool: Field: Wildcat State: Kansas Country: USA

Scale 1:240 Imperial

Well Name: #1 Aria

Surface Location: Section 34-29S-15W

Bottom Location:

API: 15-151-22497

License Number:

Spud Date: 7/30/2019 Time: 9:30 PM

Region: Pratt County

Drilling Completed: 8/7/2019 Time: 7:30 AM

Surface Coordinates: 660' FSL & 1650' FWL

Bottom Hole Coordinates:

Ground Elevation: 1987.00ft K.B. Elevation: 1999.00ft

Logged Interval: 3800.00ft To: 4825.00ft

Total Depth: 4825.00ft

Formation:

Drilling Fluid Type: Chemical (MudCo)

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: Latitude:

N/S Co-ord: 660' FSL E/W Co-ord: 1650' FWL

LOGGED BY



TERRATECH

ENERGY SERVICE, LLC

Company: TerraTech Energy Service LLC. Address: 1632 S. West St. Suite 12

Wichita, KS 67208

Phone Nbr: 316-617-3959

Logged By: Geologist Name: Bruce Reed

CONTRACTOR

Contractor: Fossil Drilling

Rig #:

Rig Type: mud rotary

Spud Date: 7/30/2019 Time: 9:30 PM TD Date: 8/7/2019 Time: 7:30 AM Rig Release: 8/8/2019 Time: 12:00 AM

ELEVATIONS

K.B. Elevation: 1999.00ft Ground Elevation: 1987.00ft

K.B. to Ground: 12.00ft

NOTES

Surface Casing: 8-5/8" at 271'

Production Casing: D&A

Daily Penetration: 7/30/19 Spud @ 9:30 PM

7/31/19 273' 8/01/19 1380' 8/02/19 2647' 3544' 8/03/19 4000' 8/04/19 8/05/19 4370' 8/06/19 4642'

8/07/19 4802' RTD @ 7:30AM

8/08/19 4825'

DRILL STEM TEST

DTS#1 4670' to 4696', Viola. No blow on either of the openings. Recovered: 5' DM

IFP: 30" 19-20 psi, ISIP: 30" 38 psi, FFP: 30" 1919 psi, FSIP: 30" 29 psi

FORMATION TOPS

Formation	Sample Top	Datum	Log Top	Datum	Comparison*
Heebner	3884'	-1885	3880'	-1881	+4
Brown Lime	4058'	-2059	4054'	-2055	flat
Lansing	4075'	-2076	4075'	-2076	-7
Stark	4339'	-2340	4331'	-2332	+3
Base KC	4461'	-2462	4455'	-2456	+5
Pawnee	4517'	-2518	4516'	-2517	+5
Cherokee	4556'	-2557	4555'	-2556	+3
Viola	4584'	-2585	4578'	-2579	flat
Simpson	4739'	-2740	4736'	-2737	+3
Simpson Sand	4773'	-2774	4770'	-2771	

^{*}Pickrell Dilling Company, Inc. #1 Gillam B, C SW SW, Section 34-29S-15W, Pratt County, Kansas

ROCK TYPES

△△△△ Cht

Dolprim



shale, gry



Carbon Sh

OTHER SYMBOLS

INTERVALS Core

· DST

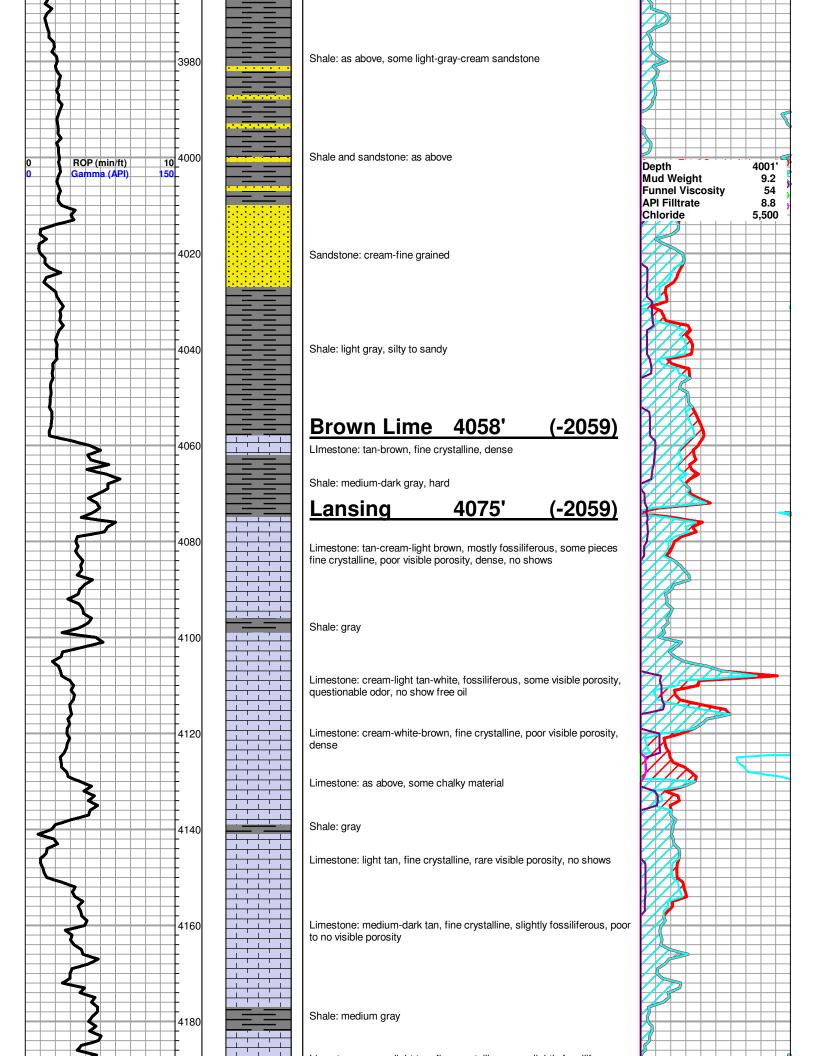
Oil Show Good Show

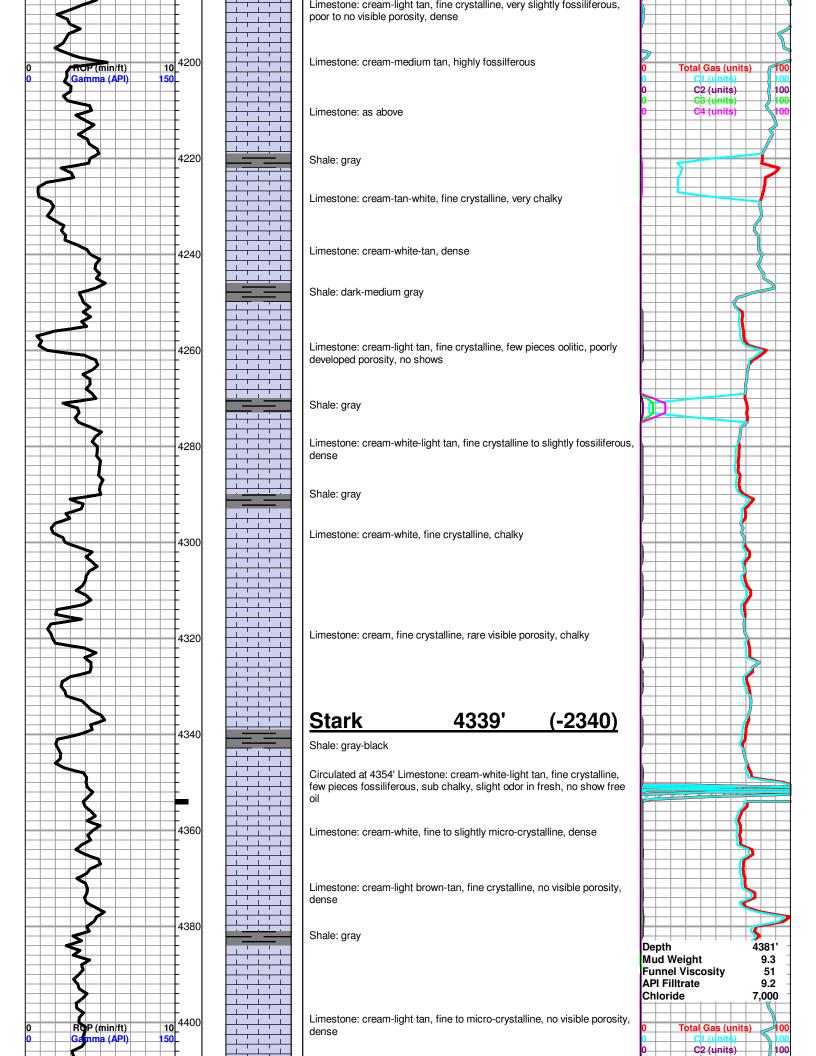
Fair Show Poor Show **DST** DST Int

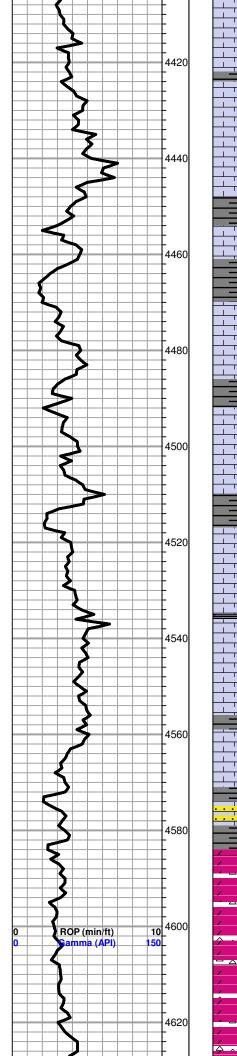
DST alt Core

O Questionable Stn **D** Dead Oil Stn ■ Fluorescence * Gas Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca) Curve Track #1 TG, C1 - C5 ROP (min/ft) Total Gas (units) Depth | Intervals Gamma (API) C2 (units) Lithology C3 (units) C4 (units) DST Geological Descriptions Cored Interval 1:240 Imperial 1:240 Imperial POP (min/ft) 10 150 **Trip for bit @3788'** C2 (units) C3 (units) 3820 LImestone: cream-light ttan, fine crystalline, slightly fossiliferous, sub chalky, trace white chert Imestone: cream-lght tan, fine crystalline, some visible porosity, rare 3840 stain, no show free oil 3860 Shale: dark- medium gray Limestone: cream-tan-brown, fine crystalline, dense, sub shaley 3880 (-1885)<u>Heebner</u> Shale: black carbonaceous, fissile Shale: varicolored 3900 Limestone: cream, fine crystalline, dense Limestone: cream-white, fine crystalline, some visible porosity, sub 3920 chalky, trace chert, no shows Shale: gray-green-red, slightly silty to sandy 3940 Shale: dark-medium gray, slightly sandy 3960

Spouled of Trace







Limestone: as above

Shale: gray

Limestone: cream-tan-brown-gray, fine crystalline to slightly fossiliferous, poor to no viisble porosity, dense

Bit trip @ 4444'

Shale: gray-red-brown

B/KC 4461' (-2462)

Shale: dark-medium gray-green, soft

Limestone: cream-light tan-gray, fine crystalline to fossiliferous, poor visible porosity

Shale: gray

Limestone: cream-light tan-white, fine crystalline, sub chalky

Shale: dark-medium gray-green

Pawnee 4517' (-2518)

Limestone: cream-gray, fine crystalline to slightly medium crystalline, dense, some mineral fluoresence, no shows

Shale: black

Limestone: cream, fine crystalline, dense, no shows

<u>Cherokee 4556' (-2557)</u>

Shale: dark gray-black

Shale: gray-green-brown with cream limestone, few pieces fine grained sandstone, no shows

Viola 4584' (-2585)

Shale: varicolored, some orange-tan, vitreous chert, few pieces tanbrown sucrosic dolomite

Cherty dolomite: tan, sucrosic, tite, cherts pink-orange-cream, mostly vitreous with some weathered piece with edge stain, cherts more white, semi-transluscent, some chalky material

Cherty dolomite: cream-white, vitreous, few weathered pieces with vugular porosity, some light-tan, sucrosic dolomite, tite

Cherty dolomite: as above, cream-white, fine crystalline, sucrosic, lots of vitreous chert, minor and weathered pieces with black gilsonite

