



Well Name: Minium R #1-31 **API #:** 15-179-21445-0000

Operator: Culbreath Oil & Gas Co., Inc. (license #34344)

Legal Description: W2 SE SE NE **GL:** 2633'
2240' FNL – 550' FEL **KB:** 2643'
Sec 31-9S-26W
Sheridan County, KS

Spud: 03/26/2018

Drilling Completed: 04/06/2018

Completion Date: 05/24/2018 **Last Updated:** 06/08/2018

First Production: 05/24/2018

COMPLETION REPORT

06/07/2018 Produced 112.56 BO

06/06/2018 Produced 112.56 BO

06/05/2018 Produced 90.72 BO

06/04/2018 Produced 108.78 BO

06/03/2018 Produced 99.12 BO

06/02/2018 Produced 79.38 BO

06/01/2018 Produced 128.1 BO

05/31/2018 Produced 62.16 BO. Sped well up to 7 SPM

05/30/2018 Produced 62.16 BO

05/29/2018 Produced 57.12 BO

05/28/2018 Produced 72.24 BO



- 05/27/2018 Produced 62.16 BO
- 05/26/2018 Produced 38.60 BO
- 05/25/2018 Verbally informed from field that well was started late yesterday evening. Added well into Production Pro so field can begin inputting gauges.
Produced 48.72 BO
- 05/23/2018 Built pad for the pumping unit and tank battery. Moved in pumping unit and set. Moved in water tank, gun barrel, and two stock tanks.
- 05/18/2018 Alliance Well Service on loc. Tag fluid 975' F.S. Release packer and trip out of hole. Put head on and trip in hole with tubing for production. 15'x 2 7/8" mud anchor, 2 1/2" seating nipple, 8 joints of 2 7/8" tubing, 2 1/2"x 5 1/2" tubing anchor, 119 joints of 2 7/8" tubing. Sub up to bottom. Rig up swab. Tag 1050' F.S., made 7 pulls, pulled acid and water off of bottom and turned to no visible water. Pull sub and set tubing anchor with 16" of stretch 20,000# over. Land tubing and rig over for rods. 6' gas anchor, 2 1/2"x 1 1/2"x 14' insert pump(grooved metal plgr.) 2'x 7/8" with guide on pump, 10- 7/8" rods, 100- 3/4" rods, 54- 7/8" rods. Seat pump. Hoxie Tank loaded tubing. Long stroke well to 300#- held. Rig Alliance well service down.
- 05/17/2018 Alliance Well Service on loc. Tag fluid 650' F.S., made 3- 15 min. pulls, no visible water. Rig up Pro-Stim. Spot acid. Treated 1 Bpm on a vac. Treated with 250 gal. 15% MCA. w/ 3% M.S. Let set 2 hours. Tag fluid 1400' F.S. 1st hour, 4 pulls, 22.62 Bbls
2nd hour test, 4 pulls, fluid lvl-1400' F.S., no visible water, 21.46 Bbls
3rd hour test, 4 pulls, fluid lvl- 1400' F.S., no visible water, 21.46 Bbls
4th hour test, 4 pulls, fluid lvl- 1500' F.S., no visible water, 21.46 Bbls
5th hour test, 4 pulls, fluid lvl- 1600' F.S., no visible water, 20.88 Bbls
Release packer and swab acid off of the backside of packer. Set packer and make 2 pulls.
- 05/16/2018 Alliance Well Svc on location. Rig up Perf-Tech. Run cement bond log. Swab casing down to 3100'. **Perforated 3961'-3965' LGKC "H"**. Tally in hole with 5 1/2" packer and tubing. Set packer at 3947'. Tag fluid 2450' FS, swab well down.
1st hour test, 4 pulls, fluid level 3350' FS, no visible water, 13.92 bbls.
2nd hour test, 4 pulls, fluid level 3625' FS, no visible water, 6.96 bbls.
3rd hour test, 4 pulls, fluid level 3625' FS, no visible water, 6.96 bbls.



- 05/15/2018 Alliance Well Svc on location. Tally in hole with 4 7/8" bit, bit sub and tubing. Rigged up Golden B. Pressure tested casing to 500#, held. Drill out DV tool. Had to spend time trying to ream out of a rough spot on DV tool. Circulated hole clean. Pressured to 500#, held. Finish in hole with tubing to bottom. Circulate hole clean and displace fluid with salt water out of swab tank. Rig down Golden B. Pull out of hole with tubing and bit.
- 05/14/2018 138 joints 2 7/8" upset tubing transferred from Teeter Yard to Minium R #1-31 location.
- 04/24/2018 Western Electric on location. Electrical drop completed. Looking into equipment options.
- 04/10/2018 Waiting on cement, approximately 2 weeks.
- 04/09/2018 Made arrangements with Western Cooperative for an electrical hookup.