

# *Brett's Consulting Service*

## Completions – Workovers – General Systems Setup

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**Directions: Preston, KS, NE of Pratt on HWY 61, 2 NE on 61 to 120 th Rd. – 1 N. W. into, N. side of shelter belt**

**11/17/18**

**Meireis #8-16 - Figured pipe tally – WW Drilling Rig #4 ran 107 jts. new MW 55,LS 5 1/2", 15.5# csg. – tagged bttm. @4501' - RTD = 4500', LTD = 4495' – landed guide shoe @4500' w/insert @4456' - circ. f/ 1 hr. w/ good circ. - RU Basic Energy pumped 500 gal. mud flush & 24 bbl. KCL flush – plug rat hole w/ 30 sxs. - started cement, pumped 225 sxs. 50/50 poz., 2% gel, 10% salt, 5# gilsonite – start dis. & plug, w/ 60 of 122 bbl. wtr.- lost circ. f/ 7 bbl., slowed rate to 3.5 BPM - landed plug @2:50 p.m. w/ 1500#, 800# lift & held – RD Basic, landed in slips & released rig.**

**RTD: 4500', LTD: 4495', 5' KB**

**Csg: 5 1/2", 15.5# MW- 55 set @4500' w/ 225 sxs. 50/50 poz. 10% salt, 5# gilsonite & 2% gel.**

**Guide Shoe: 4500', Shoe Jt. = 43.96' w/insert @4456'**

**Turbolizers: 4456', 4370', 4284', 4200', 4117', 4032', 3946', 3861', 3776' & 3691'**

**2/18/19**

**Meireis #8-16 – MIRU Alliance Well Serv. – RU Excel Wireline to run CBL & CCL, LTD @4433' & TOC @3060' – bond not good f/ 4133 – 68', perf. interval to be @4076 – 4112' – called f/ approval to do block squeeze – shot squeeze holes f/ 4136-38', 2 SPF w/ 39 gr. charges – RD loggers & TR Servs. delivered PKR -TIH w/ PKR & set @4100' – Midwest delivered frac. tank – SDON. Est cost = \$8,900**

**2/19/19**

Meireis #8-16 - Set PKR @4162' RU Pro Stim to test tool to 1850# & held - reset PKR @4100' to take inj. rate & wouldn't break down. @1500# - ordered acid - spot acid & broke dwn. w/ 250 gal. 15% MCA @2 BPM, 750# - ISIP = 590#, 20 min. = 480# - released press. & swabbed dwn. to 2800' FS, rec. 28 of 33 bbl. load - pulled PKR to 4000' & made 1 run to clear any acid off ann. - RU QES Cementing - loaded ann. & press. to 500# - took inj. rate @2 BPM, 700# - mixed & pumped 50 sxs. Standard - was staging @850# & pump truck operator didn't kick out pump & over displaced - pumped cement away @2 BPM, 700# - mixed & pumped another 50 sxs. Standard - dis. past PKR @1250# - shut in & fell to 800# - staged to 1500# in 1/2 bbl. & held solid - released back & reversed out - pulled 6 jts. & reset PKR - press. to 500# & shut in - SD.  
2 day est. cost = \$22,634

**2/21/19**

Meireis #8-16 - TOH w/ PKR - TIH w/ used 4 7/8" bit & sub, tagged cmt. @4006', squeeze holes @4136-38', 132' of cement to drill - will move in pump & swivel later in p.m. - SDON.  
3 day est. cost = \$26,000

**2/22/19**

Meireis #8-16 - RU TR Servs. pump & swivel - got circ. & started drilling @4038' - drilled & fell through @4149' - ran bit to 4200' & circ. clean - pulled bit to 4100' & RU Pro Stim - press. test squeeze to 2,000# & held - RD Pro Stim - RU swab & swabbed dwn. to 2300' FS - Midwest finished moving in frac. tanks - SDOWE.  
4 day est. cost = \$32,400

**2/25/19**

Meireis #8-16 - Finished swabbing dwn. to 2800' FS - TOH w/ bit & sub - RU master valve & shut rig dwn. - test pumped fresh wtr. well w/ farmers generator f/ 2 hrs. & pumping 10 GPM - made decision to pump water - drove to Wichita to get rental generator - started filling tanks - SDON. 5 day est. cost = \$34,650

**2/26/19**

Meireis #8-16 - RU Excel Wireline & lubricator to perf. Miss. chert @4076-4112', 4" HEC @4spf w/ 39 gr. charges - RD Excel & no blow on csg. - TIH w/ PKR & set @4065' - ran swab & dried up in 3 runs, let set 30 min. & was dry - RU Pro Stim to spot 8.75 bbl. - let equal. & set PKR to treat w/ 1,000 gal. 15% MCA - acid on bttm. = loaded 1/4 bbl. early, acid not on perfs. - staged acid to bttm. @900# max. - started feeding @ 1/4 BPM, 750# - w/ 6 out = 1 BPM, 600# - w/ 10 out = 2 BPM, 700# - w/ 18 out = 4 BPM, 1200# - w/ 24 out = 4 BPM, 1200# - ISIP = 800#, 5 min. = 500#, 10 min. = 420#, 20 min. = 300# - 30 min. = 230# - ran swab FL @ sur., swabbed dwn. to 60' FIH, rec. 31 of 52 bbl. load w/ 95% oil - cleared acid off ann. - SDON.

6 day est. cost = \$52,750

2/27/19

Meireis #8-16 - Tbg. press. = 950#, 9 min. to blow dwn. - ran swab FL @2900' FS, 1165' FIH w/ 100' oil on top, then oil/wtr. mix throughout, approx.. 70% oil - swab dwn. to 15' FIH, rec. 9 BTF w/ 95% oil - made 30 min. run & had 65' FIH, 95% oil - start test:

1<sup>st</sup> hr. @1pph rec. .58 BTF, 100' FIH w/ 95% oil, gas starting to build

2<sup>nd</sup> hr. @1pph rec. .58 BTF, 100' FIH w/ 95% oil - RD swab equip. & TOH w/ PKR laying dwn. - shut in well & RDMO.

2/28/19

Meireis #8-16 - Miss. 4076-4112' - RU Basic Energy Servs. & had to pull in trucks w/ dozer - started pumping pre flush, followed w/ 1,000 gal. 15% HCL & 143 bbl. pre PAD @60 BPM, 1117# - pumped 177 bbl. .5# @80 BPM, 1638#

179 bbl. .75# @81 BPM, 1761#

180 bbl. 1.0# @69 BPM, 1550#

184 bbl. 1.5# @69 BPM, 1446#

188 bbl. 2.0# @69 BPM, 1393#

192 bbl. 2.5# @69 BPM, 1364#

235 bbl. 3.0# @69 BPM, 1404#

240 bbl. 3.5# @69 BPM, 1457#

366 bbl. 4.0# @69 BPM, 1550#

284 bbl. 4.5# @69 BPM, 1662#

Flushed w/ 97 bbl. - ISIP = 1364#, 5 min. = 826#, 10 min. = 632#, 15 min. = 521# - total load = 2687 bbl. - RD Basic Energy & pulled out trucks - dozer releveled location & SDON.

3/29/19

Meireis #8-16 - Approx. 2-3# @wellhead - Midwest delivered 2 frac. tanks f/ swabbing & had water transferred to remove 2 tanks off location, due to rain - Paul's Oilfield Serv. moved tbg. string back to location - Alliance called & rig couldn't get out of previous location, due to rain - will move in on Monday a.m. - SDOWE.

Est. cost = \$2,800

4/01/19

Meireis #8-16 - Csg. press. = 175#, died instantly - MIRU Alliance Well Serv. - RU prod. head & valves - stabbed rubber & TIH w/ 3' perf. sub & SN - well running over while running tbg. - Miss. 4076 - 4112' - went to land tbg. @4055' & hanging up - pulled to 3998' & was free - pulled tbg. to 3930' & set up pump truck in a.m. - SDON.

2 day est. cost = \$6,100

4/02/19

Meireis #8-16 - Ran tbg. to 4020' & RU Pro Stim - circ. dwn. to 4085' & lost circ., 9' into perms. - pulled up & regained circ. @3.5 BPM - cleared tbg. volume & landed in slips w/ SN @4017', Miss. @4076-4112' - ran swab FL @200' FS, swabbed dwn. to 1200' FS, rec. 117 bbl. & well kicked off f/ short periods of time, getting 10 bbl. before dying - @167 bbl. rec. getting 1% oil & annulus press. building - swabbed 2 more hrs. rec. total of 270 bbl. f/ day, 1% oil, ann. = 245# & tbg. dead - shut in & SDON.

3 day est. cost = \$11,150

4/03/19

Meireis #8-16 - Miss. 4076-4112', SN @4017' - ann. = 450#, tbg. = 325# - 2 min. to flow, blew dwn. in 6 min., rec. 2 bbl. oil - ran swab FL @1,000' FS, 3015' FIH w/ 550' oil on top = 18% oil - made 1 run & well kicked off:

1<sup>st</sup> hr. - ann. = 375#, 79 BTF w/ 6% oil

2<sup>nd</sup> hr. - ann. = 435#, 36 BTF w/18% oil

3<sup>rd</sup> hr. - ann. = 500#, 36 BTF w/ 16% oil

4<sup>th</sup> hr. - ann. = 550#, 30 BTF w/ 18% oil

5<sup>th</sup> hr. - ann. = 600#, 25 BTF w/ 26% oil

6<sup>th</sup> hr. - ann. = 490#, 31 BTF w/ 22% oil

7<sup>th</sup> hr. - ann. = 475#, 25 BTF w/ 25% oil

8<sup>th</sup> hr. - ann. = 450#, 15 BTF w/ 22% oil

9<sup>th</sup> hr. - ann. = 445#, 23 BTF w/ 25% oil - rec. 300 bbl. f/ day, total of 570 bbl. - shut in & SDON.

4 day est. cost = \$15,130

4/04/19

Meireis #8-16 - Miss. 4076-4112', SN @4017' - ann. = 675#, tbg. = 400# - 5 min. to flow & had 3 bbl. to tank & died - ran swab FL @1125' FS, 2892' FIH w/ 700' oil on top = 24% oil - well kicked off:

1<sup>st</sup> hr. - ann. = 510#      51 BTF    w/ 29% oil

2<sup>nd</sup> hr.            495#      25            20%

3<sup>rd</sup> hr.            455#      20            25%

4<sup>th</sup> hr.            445#      17            24%

5<sup>th</sup> hr.            425#      17            23%

6<sup>th</sup> hr.            400#      16            25%

7<sup>th</sup> hr.            400#      12            22%

8<sup>th</sup> hr.            375#      15            27%

9<sup>th</sup> hr.            365#      15            25%      - shut in well & SDON.

5 day est. cost = \$19,280

4/05/19

Meireis #8-16 - Miss. 4076-4122', SN @4017' - ann. = 610#, tbg. = 350# - 5 min. blow dwn., no flow - ran swab FL @1800' FS, 2220' FIH w/ 400' oil on top = 18% oil - well kicked off:

1<sup>st</sup> hr. - ann. = 460#      40 BTF      w/ 31%

2<sup>nd</sup> hr.            425#      22            33%

3<sup>rd</sup> hr.            455#      14            25%

4<sup>th</sup> hr.            410#      13            17%

5<sup>th</sup> hr.            495#      00            00% - rec. all gas, no fluid - blew well dwn. &

RD swab - unpacked head & tagged sand @4083', 2' more fill on perms. - landed tbg.

back & packed off head - RU swab & ran swab FL @2020' FS, swabbed 18 BTF & well

kicked off & rec. 9 more bbl. in 1/2 hr. w/ 28% oil - annulus built back to 260# - shut in

- rec. 121 bbl. f/ day & 879 of 2687 load - SDOWE.      6 day est. cost = \$23,180

