

**Burch 10-17 29-12
Completion History**

10-8-2003

Started sprinkling rain in late p.m.

Move in frac tank f/C&G.

Move in pulling unit rig (C&G #2).

Move in pipe racks and unload 2 7/8" tubing (all) from Harrod's yard

10-9-2003

Heavy rains throughout the night. Approximately 2". Temperature 55-70 degF.

Move in Layne Wireline. RU perforating equipment and gun #1.

RIH with 3' gun and CCL. Tag PBTD @ 2071.5' wireline depth. IFL 10' FS.

Perforate Lower Mississippi 2060' - 2063' using
3 3/8" HSC, 4 jspf, 60 deg.phasing, 22.7 gm Owen 311T shaped charge

POOH. All 13 shots fired, clean.

RIH with 2' gun and CCL. Tag PBTD 2071.5'.

Perforate Lower Mississippi 2032' - 2034' using
3 3/8" HSC, 4 jspf, 60 deg.phasing, 22.7 gm Titan 301T shaped charge

POOH. All 9 shots fired, clean.

RIH with 2' gun and CCL. Tag PBTD 2071.5'.

Perforate Lower Mississippi 2007.5' - 2009.5' using
3 3/8" HSC, 4 jspf, 60 deg.phasing, 22.7 gm Titan 301T shaped charge.

POOH. All 9 shots fired, clean. (adjusted original planned perfs 0.5' lower to avoid collar).

RD Layne Wireline.

Pick up and tally in 2 7/8", 6.5 ppf, J-55, tbg. Land at 2024'.

RU swab and pack-off.

IFL 100' FS. Swab fluid down to 1850' FS. Slight gas breaking out of fluid at 1850'.

RD Swab equipment. POOH with 2 7/8" tubing. Secure well, SDFN.

10-10-2003

Heavy fog for most of day prevented mud from drying out. Temperature 50-70 degF.

Move into location. 1 pickup truck and 1 pump truck stuck in mud.
Backhoe/Dozer dug out. Access is difficult.

SIP = 0 psig. No blow, no vacuum. RIH w/ sand line and tag FL @ 1750' FS (~100' entry overnight).

RU Baker tools, fullbore packer, and retrievable bridge plug (RBP).

RIH with pkr, RBP on 2 7/8" tbg. Tag PBTD @ 2071'.

Set RBP @ 2064'. PU, set pkr and isolate perfs 2060-2063 (Lower Mississippi).

(PBTD from tbg measurement matched wireline measurement. Re-set PBTD to 2071'.)

Acid breakdown on 2060-2063 with 300 gals 15% NEFE w/cia-sta.

Avg rate=1 bpm. Max rate=1 bpm. Max psi=1600. ISIP=175. 5minSI=100.

Broke w/2%KCL f/1600psi down t/550psi. Broke again w/acid f/500psi down t/200psi.

Reset pkr and RBP and isolate perfs 2032-2034 (Lower Mississippi).

Acid breakdown on 2032-2034 with 200 gals 15% NEFE w/cia-sta.
Avg rate=1 bpm. Max rate=1 bpm. Max psi=550. ISIP=160. 5minSI=80.

2%KCL pump-in rate was 550psi @ 1 bpm. Broke w/acid f/500psi down t/180psi.

Reset pkr and RBP and isolate perms 2007.5 - 2009.5 (Lower Mississippi).

Acid breakdown on 2007.5 - 2009.5 with 200 gals 15% NEFE w/cia-sta.
Avg rate=1 bpm. Max rate=1 bpm. Max psi=1600. ISIP=130. SI=0 after 4 min.

Broke w/2%KCL f/1600psi down t/375psi. Broke again w/acid f/375psi down t/220psi.

Release pkr and retrieve RBP. RIH and reset RBP @ 2064'. PU and reset pkr @ 1996'. (all 3 intervals open).

Secure well and SDFN.

Daily Load: 17 BA, 57 BW. (Total fluid 74 bbls).

10-11-2003

Light rain off and on throughout the day. Temp 50-55 deg.F.

SITP = 0 psig. RU swab equipment.

IFL 450' FS. Swab FL down to SN @ 1996.

SD for 30 minutes. RIH and tag FL @ 1650'. 350' entry. Swab 2 runs. SD for 30 minutes.

Continue swabbing operations. Avg'd 350' fluid entry/hr.

Recovered fluid was load water with spent acid. No sign of oil or gas.

Recovered 35 bbls (47% of load) for the day.

Load Recovered: 35 BW. Total Load 74 BW.

10-13-2003

Partly cloudy. Thunderstorms in evening. Temp 50-60deg.

SITP = 16 psig. Open up and bleed off gas. RU swab equipment.

IFL 600' FS. Initial sample 100% water. Swab. 2nd run FL @ 1700' FS. 3rd run swab to SN @ 1996'.

SD 30 minutes. 2 swab runs. Wait 30 minutes. Repeat.

Continue swabbing operations. Avg'd 300' fluid entry/hr.

Recovered fluid was load water.

Approximately 200-300 ft of gas blow on top of FL (during swab) at end of day.No sign of oil.

Recovered 34 bbls (93% of load) for the day.

Total Load Recovered: 69 BW. Total Load 74 BW.

10-14-2003

Sunny. Temp 50-60deg.

SITP = 14 psig. Open up and bleed off gas. RU swab equipment.

IFL 650' FS. Initial sample 100% water. Swab. 2nd run FL @ 1700' FS. 3rd run swab to SN @ 1996'.

Catch fluid samples. SD 30 minutes. 2 swab runs. Wait 30 minutes. Repeat.

Continue swabbing operations. Avg'd 300' fluid entry/hr.

Recovered fluid was load and formation water. Taste is salty. No sign of oil.

Recovered 22 bbls for the day. Recovery now above load volume. Catch fluid samples.

SD. Crew to town to repair truck.

Total Load Recovered: 91 BW. Total Load 74 BW.

10-15-2003

Sunny. Temp 60-70deg.

SITP = 15 psig. Open up and bleed off gas. RU swab equipment.

IFL 600' FS. Initial sample 100% water. RD swab tree. Rec'd 6 BW.

Release packer. RIH and retrieve RBP. POOH with toola and 2 7/8" tbg laying down.

RD C&G No.2 and move to Burch WDW 10-17 29-12.

RU Century Geophysical.

RIH with 4' gun and CCL. Verify CCL w/DV tool depth. FL @ 700' FS.

Perforate Upper Mississippi 1898' - 1902'

using 3 3/8" HSC, 6 jspf, 60 deg.phasing, 22.7 gm Titan 301T shaped charge

POOH. 24 shots fired, clean. (1 shot off bottom not loaded).

RIH with 4' gun and CCL. Verify CCL w/DV tool depth. FL @ 750' FS.

Perforate Burgess 1878' - 1882'

using 3 3/8" HSC, 6 jspf, 60 deg.phasing, 22.7 gm Titan 301T shaped charge

POOH. 25 shots fired, clean.

RD Century. SI well.

Spot rig on well -- C&G No.2. SDFN.

Total Load Recovered: 97 BW. Total Load 74 BW.

10-17-03

RU PU. NU BOP's. RIH with 2-7/8" tbg, pkr, and set RBP over Lower Mississippi. Swab test Upper Mississippi & Burgess. No fluid entry. RD

10-21-03

RU C&G No.2. PU baker FBC on 2-7/8" tbg. Set pkr between perfs at 1892'. Burgess open to annulus. Upper Mississippi open to tbg (below pkr). IFL 600' FS on tbg. Swabbed to SN in 2 runs. Made 3 swab runs waiting 30 min. between runs. Rec'd 9.25 BW. Had gas on initial run at 400' FS, no gas thereafter.

10-22-03

SI for 15 hrs psi-15 on tbg. RU to swab. IFL at 700' FS. Swab to SN - 100% water. Made six swab runs (1 every 30 min). Rec'd 1 BW on each run with 120-150' ga on each run. Release pkr, and POOH LD. SWI. Prep to Frac Burgess and Upper Mississippi.

10-24-03

Frac Burgess & Mississippi with 19,388 lbs of 20/40 white Ottawa sand and 540 bbls of FW 2%KCL with surfactant ("Layne-530") at 0 ppg, 0.5 ppg, 1.0 ppg, and 1.5 ppg, 2.0 ppg. Avg rate = 12 bpm at 1400 psig WHP. ISIP = 540 psi. 15 min SI = 0 psig. RU and swabbed 114 BW. SDFN.

10-25-03

Initial psi = 0 psig. Swabbed all day. IFL = 550' FS. FL remained constant at 700' FS. Rec'd 231 BW. Total recovery=345 BW (frac load=540 BW)

10-27-03

SITP=9 psig. IFL 600' FS. 1st run 100% water. Swabbed all day and rec'd 281 BW in 8.5 hrs with FL 600' FS steady. Total Rec'd=626 BW (540 bbls frac load). Casing pressure built from 0 psig to 116 psig in last 2 hrs. SWI. SDFN.

10-28-03

SITP=91 psig. SICP=160 psig. IFL 550' FS. 1st run 100% water. Swabbed 4 hrs and rec'd 151 BW hrs with FL 600' FS steady. Csg built to 200 psig, then well flowed intermittently up tbg with gas-cut water for 2 hrs and rec'd 8 BW. RU pump truck and circulate out gas with 54 BW. Hole loaded. Make connections and RU to wash sand off RBP. Took 24 BW to catch fluid level (well took drink in only 10 minutes). Washed sand, retrieve RBP and POOH with RBP and tbg. RIH with 6 jts kill string and SDFN.

10-29-03

SITP=0 psig. SICP = 0 psig. Finish RIH with 2 7/8" production tbg, SN, and 1 jt. Bottom of tbg at 1990'. SN @ 1958'. NU WH. RD PU. Build pad and assemble Lufkin M114 pumping unit.

11-7-03

RU C&G No.2. PU 2 jts 2-7/8" tbg and land with EOT @ 2058', SN @ 2024'. (btm perfs @ 2063'). RU to run rods. PU 2"x1.5"x12' THD insert pump on 80 3/4" Norris Grade C rods with FHC. Install 1.25" PR liner. Wait to re-position pumping unit before clamping on rod string. RD.

12-2-03

RU. Pump stuck. Strip OOH w/downhole assembly. RIH with tbg and rods and new 1.5" pump. Started well back on test (propane as fuel). Evidence of sand in pump.

12-9-03

Ice storm. Unit down. Could not re-start. Stuck downhole.

12-10-03

RU C&G. Replace pump (1.5" insert). Sand had both 20/40 frac sand and fine formation sand with trace amount of scale.

1-21-04

RU C&G. Replace 1.5" insert pump with 2.0" insert pump. Worked on gas engine.

2-11-04

MIRU Hurricane well service

TOOH WITH PUMP AND RODS

TOOH WITH 2-7/8 TBG

RU CENTURY WIRE LINE SERVICE. SET RBP AT 1890FT

RIH WITH 2-7/8 TBG AS FOLLOWS;

1-2-7/8 EUE 8RD 6.5 LB J-55 TBG	10
1-2-7/8 EUE 8RD 6.5 LB J-55 TBG	10
55JT-EUE 8RD 6.5 LB J-55 TBG	1819.95
1-2-7/8X2-1/2 SN	1.1
1-2-7/8 EUE 8RD 6.5 LB J-55 TBG	4
1-2-7/8 EUE 8RD 6.5 LB J-55 TBG	33.09
TOTAL TBG	1878.14
KB	8
BTM OF TBG AT	1886.14
TOP OF SN AT	1847.95

TAG TOP OF PLUG AT 1890'

RIH WITH PUMP AND RODS AS FOLLOWS;

1-21/2X2X12 HF PUMP-WITH BRASS CHROME BRL

1-3/4X2FT PONY

73-3/4 PLAIN RODS

1-3/4X6 PONY

1-11/4X16 PR

POP AT 4:30PM GOOD PUMP ACTION

2-20-04

RU PU (Hurricane Well Service). POOH w/rods, pump, tbg. RU Consolidated. Frac Burgess (1878-1882) with 240 bbls 10# 2% KCL water with 4,900 lbs 20/40 white Ottawa sand at 0.5 ppg, 1.0 ppg, 2.0 ppg, and 2.25 ppg stages. Avg treating psi = 550 psi and rate of 15 bpm. Breakdown psi was 900 psi. ISIP=400 psi, 10 min=0 psi. Wash to RBP and circulate clean with 100 bbls 2% KCI water on 2-7/8" tbg. RIH with tbg and 2.0" insert pump on 3/4" rods. Re-set pump at 1847' (SN), EOT at 1886'. Place on test ---- Burgess zone only.

3-17-04

MIRU HURRICANE WELL SERVICE

TOOH LAYING 3/4 RODS DOWN IN SINGLES

TOOH WITH 27/8 TBG

PU RETRIEVING TOOL AND RIH WITH 2-7/8 TBG

TAG SAND AT 1888

RU PUMP TRUCK AND REVERSE CIR WITH 80BBLS OF WATER

RELEASE RBP AT 1890

TOOH AND LAY DOWN RBP

RU CENTURY AND SET CIBP AT 1975FT

RD CENTURY

RD HURRICANE WELL SERVICE AND MOVE TO THE BURCH 8-17

3-18-04

WEATHERFORD SET GEN DRIVE AND DIESEL TANK

MIRU HURRICANE WELL SERVICE

RIH WITH 2-7/8 TBG AS FOLLOWS;

58 JTS 2-7/8 EUE 8 RD 6.5 LB J-55 TBG 1919.22

1- 2 7/8 EUE 8RD 6.5 LB J-55 TBG SUB 4

1-WEATHERFORD 350-2800 STATOR 25.2

TOTAL TBG 1948.42

KB 8

BTM OF TBG@ 1956.42

3-19-04

RIH WITH 7/8 COND A GRADE-D RODS AS FOLLOWS;

1-WEATHERFORD 350-2800 ROTOR

1-7/8"x4ft pony

75-7/8" Grade D rods

1-7/8x2x4x6x8 pony

1-11/4x22ft pr

POP AT 9:00AM

BUCKET TEST @ 900 BWPD

IFL at 20 jts FS (~ 650' FS).