

Well Info:

Lion Government 23-36

API #: 05-081-07263

Moffatt County, CO

NESW 36 12N 101W

CO MAN: ??

Engineer: Adam Johnson

Well Status: SI / plunger lift

TVD: 5,058'

Directions:

40.954796, -108.699559

From Rock Springs:

Head South on 430

Continue onto gravel road as you enter Colo

Go another 3.8 miles

Turn left onto CR 63 and go 3.5 miles

Turn right and the well is the second location back

Emergency Services:

Rock Springs sheriff: 307-922-5300

Rock Springs fire: 307-352-1475

Hospital:

Memorial Hospital of Sweetwater County – 307-362-3711

1200 College Drive

Rock Springs, WY 82901

Casing & Tubing Info:

Surface casing: 8-5/8" / 24# / J-55 / 517' / TOC @ surface

Production casing: 4-1/2" / 11.6# / N-80 / 5,058' / TOC @ 3,000'

Tubing: 2-3/8" / 4.7# / J-55 / 4,883'

Current Reservoir Parameters:

Reservoir Pressure – tbd

BHT – 137F

Vendors

WO Rig – D & D

Frac tanks – Basic Energy

Wireline – The Perferators

Frac – TOPS – Ron Hudson – 970-822-4040

N2 – CUDD – Blake Stewart - 435-789-0757

BOP - KLX

Frac Valve – KLX

Perf Pods – Thru tubing – Charley Mathis - 918-629-5853

Pre-Job

1. Blow well down 2 days before WO rig on location
2. Shoot SIFL to obtain reservoir pressure

Job

1. MIRU WO rig, pump, and tank
2. ND WH. NU BOP
3. POOH w/ tubing
 - a. 154 jts – 2-3/8" tubing
 - b. R nipple
 - c. Notched Collar (EOT @ 4,883')
4. If tubing has a lot of scale, make a bit and scraper run to 4,850'.
5. RIH w/ CIBP on tubing. Set @ 4,850'
6. RIH w/ packer and tubing
7. Set packer @ 4,320'
8. MIRU cementer
9. Squeeze off Upper Ft Union perfs from 4419-4427'
10. POOH w/ packer and tubing
11. RIH with rock bit
12. Drill out cement. Tag CIBP @ 4,320'
13. POOH w/ bit
14. RIH w/:
 - a. 1jt
 - b. HD test packer rated to 10k differential
 - c. 136jts
15. Set packer @ 4,350'
16. Load tubing full with 16 bbl of produced water
17. Load backside with 44 bbl of produced water
18. Pressure up backside to 2,000 psi - hold for 1 min
19. Pressure up tubing to 2,000 psi - hold for 1 min
20. Pressure up backside to 3,500 psi – hold for 1 min
21. Pressure up tubing to 3,500 psi – hold for 1 min
22. Pressure up backside to 5,000 psi – hold for 3 min
23. Release packer
24. POOH w/ packer and tubing
25. Rig up e-line
26. RIH w/ casing gun
27. RIH w/ ccl log and correlate depth to short casing jt at 3,938'
28. Fill tubing with produced water to shoot perfs in neutral
 - a. $.433 * 4,584 = 1984$ psi
 - b. Expected reservoir pressure = 1950 psi
29. Shoot perfs with 6 SPF from 4,584' – 96' / 4,600' – 06'
30. POOH w/ perf gun

31. Rig up frac crew & N2 pump truck
32. Frac well down casing based on following frac schedule

33. Flowback well immediately to frac tank
34. RIH w/ tubing and SN and put on plunger lift
35. RDMO