

**Raider 9 State #2**  
**Plugback Procedure**

1. MIRUPU. POOH w/ rods and pump. LD  $\pm$  64 – 1¼" FG rods, 50 – 1" steel rods & 50 – 7/8" steel rods, hang the rest in the derrick. ND WH. NU 5M Double Hydraulic BOP w/ 2 7/8" pipe rams. Set flowback tank and 6 clean frac tanks. Unset TAC.
2. RU pump truck and pump 10 bbls of fresh water mixed with gel. POOH w/ tubing. LD  $\pm$  146 jts of tubing on ground.
3. RU Wireline truck. Set a CIBP @  $\pm$  10,850' on wireline. Dump bail 35' of cement on top.
4. RU Pump truck. Load casing with approximately 248 bbls of fresh water mixed with gel and pressure test to 1000 psi.
5. Set 2<sup>nd</sup> CIBP @  $\pm$  8,630' on wireline. Dump bail 35' of cement on top.
6. Set 3<sup>rd</sup> CIBP @  $\pm$  6,870' on wireline. Dump bail 35' of cement on top.
7. Commence recompletion in the Paddock.

RKB 4217'  
GL 4201'

Lease & Well No.: **Raider 9 St # 2**

Well Category:  
Area: **New Mexico**  
Subarea: **Buckeye**  
Legal Description: **API #30-025-43874**  
**M, 990' FSL, 800' FWL, Sec 9, T-17-S, R-33-E**  
**Lea County, NM**

1635'

17½" hole  
13 3/8" 54.5# J55  
set @ 1635'  
1260 sx cement

Spudded: **7/16/2017**  
TD: **8/1/2017**  
Completed: **9/1/2017**

Stimulation: 8/17/17 - 6,000 gals of 15% HCL + 150 BS

12¼" hole  
8 5/8" 32# J-55  
set @ 4630'  
1625 sx cement.  
TOC = surface

5½" TOC = 3110' CBL

PRESSURE DATA  
8/21/17 - 72 hr static = 2016 psi.

Rod Detail

1 - 1.25" x 3' FG sub  
1 - 1.25" X 9' FG sub  
156 - 1.25" FG rods  
100 - 1" steel D rods  
90 - 7/8" steel D rods  
10 - 1 ½" sinker bars  
1 - 7/8" x 4' sub w/ guides  
1 - 26K shear tool  
1 - 2 3/8" x 1 1/4" x 30' pump  
1 - 1" x 20' gas anchor

Production Tbg

336- jts 2 7/8" 6.5# L80 tubing  
**1 - 5 1/2" x 2 7/8" TAC 50K shear**  
2 - jts 2 7/8" 6.5# L80 tubing  
1 - 2 7/8" x 2 3/8" Xover  
**1 - 2 3/8" SN @ 10,957'**  
1 - 2 7/8" x 2 3/8" Xover  
1 - 2 7/8" X 4' perf sub  
1 - 2 7/8" 6.5# L80 mud anchor

*CIBP @ 6,870" + 35' cmt (PROPOSED)*  
DV tool @ 6968'  
Cmt'd 2nd Stage w/ 450 sks

*CIBP @ 8,630' [Abo]+ 35' cmt (PROPOSED)*

*CIBP @ 10,850' + 35' cmt (PROPOSED)*

Cisco Perfs

(10,910'- 13') 2 spf  
(10,915'- 31') 2 spf  
(10,938'- 41') 2 spf  
(10,945'- 53') 2 spf  
(10,969'- 82') 2 spf  
(10,998'- 11,004') 2 spf

5 1/2" 17# P110 @ 11,100'  
Cmt'd 1st Stage w/ 450 sks

PBTD: 11,062'  
TD: 11,100'