

**Rubicon Oil & Gas, LLC
Stone Orchard Prospect**

**KB:3,578'
GL:3,561'**

**660' FNL & 1300' FWL
Sec. 30, T20S, R25E, UL D
Eddy County, NM**

**Stone 30 Federal #1
Eddy County, New Mexico
Planned Wellbore
API# 30-015-35940**

**TD'd: 1/14/09
Spud: 12/13/2008**

Bit Size: 17-1/2"
Gel/Lime "spud mud" 8.4-9.4 PPG
Lost full returns @ 180', dry drill to TD

13-3/8" 54.5# J55 STC @ 416' w/ 100 sks Halcem w/ 10% CalSeal (1.35 yld/14 2ppg) + 450 Halcem 1/8# polyflake, 2%CaCl (1.32 yld/14 8 ppg), No returns, TOC ~200', Top out via 1" in 7 stages pumping 500 sks Halcem w/ 2% CaCl, yld ~ 1.35 cu ft/sk

Bit Size: 12-1/4"
Fresh Water 8.4 – 8.6 PPG.

9-5/8" 36# K55 STC @ 2250' Lead Slurry: 680 sks Class C 50/50 Poz w/ additives, yld ~ 2.45 cu ft/sk Tail Slurry 200 sks Class C w/ 2% CaCl, yld ~ 1.34 cu ft/sk, CIRC 300 sk to pit.

Bit Size: 8-3/4"
3000'-8700': Fresh Water / Cut brine 8.4 – 9.4
8700-9,800': Polymer/Brine 10.0 – 10.1 PPG

DV Tool @ ~6000' →

4 1/2" X 2 3/8" AS1 PKR @ 8,294' →
256 JTS 2 3/8" TBG →

CIBP @ 9,330' →

4-1/2" 11.6# HCP-110 LTC @ 9,800' w/ 1120 sks Class C Poz with additives, yld ~ 1.57 cu ft/sk. 2nd stage – 875 sks Class C 50/50 Poz w/additives, yld ~ 1.97 cu ft/sk, Tail Slurry: 150 sks Halcem w/yld ~ 1.32 cu ft/sk

San Andres ~650'

Glorietta ~2,300'

Bone Springs ~3,700'

3rd Bone Springs ~6,000'

Cisco ~6,600'

Strawn ~8,400'

Morrow ~9,200'

Morrow Clastics ~9,400'

TOC ~1750' →

Strawn Perfs 8,389' – 8,402',
2 JSPF, 26 holes, Acidize
w/3200 GAL 20% NaFe, FFR –
Gas – TSTM, 48/64", 40
BWPD, 10 PSI FTP

Morrow Perfs 9,396' – 9,405',
3 JSPF, 27 Holes, Acidize
w/500 GAL 10% MSA, FFR –
424 MCF, 24/64", 129 BWPD
@410 FTP

DWW 9/18/2007
Updated JMC 4/29/09