

CIMAREX

KB - 23' above GL

Cimarex Energy Co. of Colorado

Chosa Draw 27 Federal Com #1

SHL - 330' FNL & 1980' FEL

BHL - 1817' FNL & 1613' FEL

Sec. 27, T-25-S, R-26-E, Eddy Co., NM

M. Karner

09/30/2016

DIRECTIONAL WELL >20 deg 9370-TD

13-3/8", 48 & 54.5# H-40 & J-55 csg @ 431'
cmdt w/ 490 sx, cmt circ

9-5/8", 40# NS-110HC csg @ 3200'
cmdt w/ 1050 sx, cmt circ

360 jts 2-3/8" 4.7# L-80 tbg

TOC @ 5448' per CBL
DV Tool @ 5448'
cmdt w/ 400 sx

BOC @ 7196' per CBL

TOC @ 7956' per CBL

Packer Depth 8,557'

Wolfcamp perms (8,607' - 8,769'), (8,825' - 9,020'),
(9,317' - 9,473'), (9,543' - 9,728'), and (9,804' - 9,950')

Cisco Canyon perms (10,082' - 10,277'), (10,372' - 10,642')
Previous Cisco Canyon perms (10372' - 10412')

TOL @ 10492'

CIBP @ 10,692'

7", 26# P-110HC csg @ 10,745'
cmdt w/ 550 sx

CIBP @ 11,600' with 35' of cement bailed on top

CIBP @ 11,786' with 35' of cement bailed on top

Morrow perms (11,836' - 12,233')

CIBP @ 12267'

PBTD @ 12287'

4-1/2" 11.6# P-110 @ 12300' cmdt w/ 160 sx
TD @ 12300'