



NIGHTHAWK PRODUCTION LLC

Knoss 9-20
NE SE Sec 22, T12S, R56W
LINCOLN COUNTY, COLORADO
API No. 05-73-06569-00

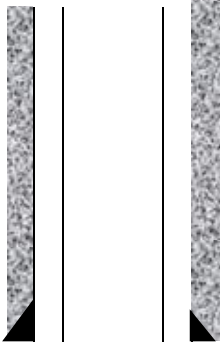
ELEVATION
R.B. 5421'
G.L. 5406'
KB 15'
BHT
Spud date: 06/03/14
TD Date: 06/21/14

Lat: 39.07052
Long: -103.70368
1,851' FSL 694' FEL

Not to scale

Prepared By: Harold Mayland
Date: 7/30/2014

Geological tops:			
Niobrara	3110	Cherokee	7338
Dakota	4122	Atoka	7569
Stone Correl	5538	Morrow	8006
Wolfcamp	5826	Spergen	8378
LKC	6740	Warsaw	8438
Marmaton	7124	Arbuckle	8508



Drilled hole 12 1/4"
SURFACE CSG: 8 5/8" 24# J55 ST&C @ 354'
Cmt: 175 sks 14 ppg Class G to 5 bbls to surface

Drilled hole 7 7/8"

TD 8,633'