



NEXGEN OIL & GAS

Graham #1-13
NWSW Sec 1, T13S, R60W
El Paso County, Colorado

ELEVATION
RKB 17.0
GL 6,102
KB 6,119
BHT 220 °F
Spud date: 01/13/14
TD Date: 02/06/14

API No. 05-041-06082

Lat: 38.946070°
Long: -104.068480°

Not to scale

Prepared By: C. Hansen
Date: 6/19/2014

Geological tops:			
Niobrara	4,839	Morrow	10,070
Dakota	5,737	Mississippian	10,284
Lyons	6,872	Arbuckle	10,531
Marmaton	8,812	PreCambrian	10,873
Cherokee	8,915		
Atoka	9,254		

CONDUCTOR: 20" @ 90'

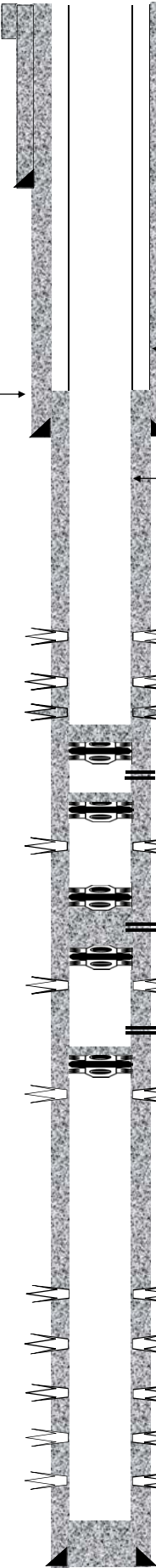
17 1/2" hole
SURFACE CSG: 13 3/8" 54.5# @ 729'
Cmt: 56 sx G 14.0 ppg 1.54 yield slurry
Cmt to surface

12 1/4" hole
INTERMEDIATE CSG: 9 5/8" 36# J-55 LTC @ 5,029'
Cmt: Lead, 116 sx 12 ppg, yield 1.79
Tail 680 sx 13 ppg, yield 1.41
Circ cmt to surf

7 7/8" hole
PRODUCTION CSG: 5 1/2" 17# L-80 @ 10,954'
Cmt: Lead, 658 sx 12.1 ppg, yield 1.79
Tail 425 sx 13.1 ppg, yield 1.41
TOC (CBL) 4,540' (after remedial cmt job)

5 1/2" 17# L80	
I.D.	4.892
Drift	4.767
Burst	7,740
Lin ft/bbl	43.1
BBL/linft	0.0232

TOC at 4,540'
CBL 4-24-2014



Niobrara: 5,222' - 27'. No treatment.

Dakota Sand: 5,808' - 14'. No treatment.

Dakota Sand: 5,814' - 20'. Communicated with 5-1/2" x 9-5/8" bradenhead. Sqzd perfs with 400 sx "H"

CIBP @ 5,890' w/ 2 sx cmt. **PBTD = 5,852' after drillout of cement squeeze of 5,814' - 20'.**

Shoot Squeeze perfs 6,120' - 22'. No communication with 5-1/2" x 9-5/8" bradenhead.

CIBP @ 6,150' w/ 2 sx cmt

Lyons Sand: 6,872' - 84'.
Treated with 500 gals 7.5% NEFE acid

CICR @ 7,270'

Shoot Squeeze perfs 7,345' - 47'. Squeeze with 25 sx Class A. No communication with 5-1/2" x 9-5/8" bradenhead.

CIBP @ 7,350'

Penn Carbonate: 7,743' - 49'.
Treated with 500 gals 15% NEFE acid

Shoot Squeeze perfs 7,980' - 82'. No communication with 5-1/2" x 9-5/8" bradenhead.

CIBP @ 8,000' w/ 1.5 sx cmt

Lansing/Penn Carbonate: 8,658' - 61', 8,654' - 56', 8,274' - 78' (4 JSPF, 36 shots)
Treated with 750 gals 15% NEFE acid

Morrow & Lower Atoka: 10,243'-45', 10,189'-91', 10,168'-70', 10,071'-73', 10,054'-55', 10,040'-42', 10,018'-20' (3 JSPF, 35 shots)
Treated with 500 gals 7.5% NEFE acid

Harrison Shale: 10,430' - 34', 10,421' - 24' (4 JSPF, 30 shots)
Treated with 500 gals 7.5% NEFE acid

1st Arbuckle Dolomite & Gilmore City Dolomite: 10,552' - 54', 10,543' - 46', 10,513' - 18' (4 JSPF, 43 shots)
Treated with 500 gals 15% NEFE acid

2nd Arbuckle Dolomite: 10,638' - 40', 10,627' - 29', 10,622' - 23', 10,616' - 18', 10,610' - 13' (4 JSPF, 45 shots)
Treated with 500 gals 15% NEFE acid

Reagan Sand: 10,789' - 92', 10,774' - 77', 10,763' - 66' (4 JSPF, 39 shots)
Treated with 500 gals 7.5% NEFE acid

PBTD: 10,900'
Collar @ 10,915'
Shoe @ 10,954'

TD 10,954'