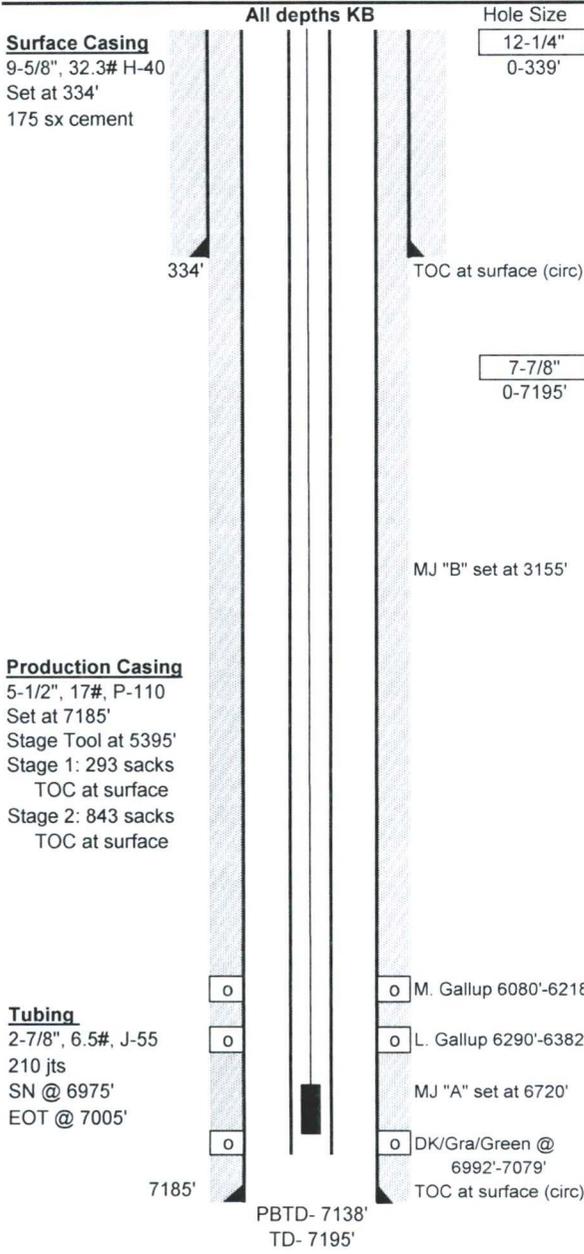




Wellbore Schematic

Well Name: Roadrunner #4G
 Location: 1750' FNL, 1725' FEL, Section 2, T24N, R08W
 County: San Juan
 API #: 30-045-35518
 Co-ordinates: LAT: 36.34528° N LONG: 107.64923° W
 Elevations: GROUND: 7340'
 KB: 7353'
 Depths (KB): PBTD: 7138'
 TD: 7195'

Date Prepared: 4/16/2014
 Last Updated: 8/14/2018 Joe
 Spud Date: 4/5/2014
 Completion Date: 4/25/2014
 Last Workover Date: 8/9/2018



Surface Casing: (4/5/14)
 Drilled a 12-1/4" surface hole to 339'. Set 14 jts 9-5/8", 32.3#, H-40 casing at 334'.
 Cemented with 175 sx Neat cement; circ. cement to surface.

Production Casing: (04/16/14)
 Drilled a 7-7/8" production hole to 7195'. Set 164 joints 5-1/2", 17#, P-110 csg at 7185'
 DV Tool set at 5395'. Stage 1 cemented with 143 sx Lite Prem, tailed with
 150 sx of Pox Standard cement, circ 25 bbls to surface. Stage 2 cemented with 793
 sx Lite Prem, tailed with 50 sx Prem, circ 75 bbls to surface.

Tubing: (8/9/2018)	Length (ft)
KB	13
(214) 2-7/8", 6.5#, J-55 8rd jts	6961.69
(1) 2.28" SN	1.1
(1) Mud Anchor w/ Weep Hole and MS Bottom	29.15
Set at: 7004.9 ft	

Rods: (8/9/2018)	
(1) 1/2" x 26' polish rod	26
(1) 7/8" Pony Rod	4
(1) 7/8" Pony Rod	8
(7) 7/8" Grade D Plain Rods	175
(254) 3/4" S-88 Rods	6350
(16) 1-1/2" sinker bars	400
(1) 21K Sheer Tool	-
(2) 30" Stabilizers	16
2-1/2" x 1-1/4" x 12' x 16" RHAC-Z HVR	16

Perforations:
 Perf Greenhorn w/.385" diam, 3SPF @ 6992' - 7080' = 39 holes. Acidize w/48bbl 15%
 HCL Acid. **Frac 1st Stage Greenhorn** (6992'-7080') w/5185bbls Slickwater, 10,000#
 100Mesh, 107,640# 40/70 Ottawa Sand.
 Perf Lower Gallup w/.385" diam, 3SPF @ 6290' - 6382' = 39 holes. Acidize w/24bbl 15%
 HCL Acid. **Frac 2nd Stage Lower Gallup** (6290'-6382') w/2873bbls Slickwater 70Q N2,
 10,000# 100Mesh, 103,180# 40/70 Ottawa Sand. Total N2: 2.2MMSCF.
 Perf Middle Gallup w/.385" diam, 3SPF @ 6080' - 6218' = 39 holes. Acidize w/24bbl 15%
 HCL Acid. **Frac 3rd Stage Middle Gallup** (6080'-6218') w/3103bbls Slickwater 70Q N2,
 10,920# 100Mesh, 113,320# 40/70 Ottawa Sand. Total N2: 2.4MMSCF.

Pumping Unit:
 American Producer I: C-320-305-100 (87" stroke)

Formations:			
Pictured Cliffs-	2712'	Gallup-	5683'
Menefee-	4225'	Greenhorn-	6981'
Point Lookout-	5001'	Graneros-	7034'
Mancos-	5305'	Dakota-	7062'

Additional Notes:
 9/26/14 Pump Repair
 8/9/2018 - Parted rods. Swab water/black paraffin. No tag @ 7058'