Current Schematic ConocoPhillips Well Name: GRENIER B #4E Well Configuration Type 3004529406 004-029N-010W-C BSN DK(PRO GAS) NEW MEXICO Ground Elevation (f riginal KB/RT Elevation (ft KB-Ground Distan ng Flange Distance (ft KB-Tubing Hanger Distance (ft) 5,951.00 5 965 00 14 00 Original Hole, 5/24/2017 3:34:41 PM TVD MD Formation (ftKB) (ftKB) Vertical schematic (actual) Tops 1; Surface; 8 5/8 in; 8.097 in; 14.0 14.1 ftKB; 351.0 ftKB 350.1 350 1 Cement: 14.0-351.0: 10/9/1996: 351.0 351.0 Cemented with 336 sacks of Class B Neat; circulated 35 bbls of cement to surface. Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 14.1 1,124.9 Oio Alamo 1,125.0 ftKB; 6,809.9 ftKB Kirtland 1 250 0 1.249.9 Hydraulic Fracture; 3/9/2002; 1.978.0 Fruitland 1 977 8 Fractured with 626 bbls 20 lb Linear Pictured Cliffs 2.396.7 2.397.0 Gel and 200,000 lbs 20/40 Brady sand, 1584 M in 4 stages. 3.124.0 Chacra 3,123.7 Hydraulic Fracture; 3/9/2002; 3.136.3 3.135.8 Chacra; 3,136.0-3,780.0; 3/9/2002 Fractured with 2040 bbls Slickwater 3.779.4 and 50,000 lbs Brady sand, in 5 3,892.4 stages. Hydraulic Fracture; 3/9/2002; 3.894.4 3.893.9 Second Stage; 14.0-3,974.0; Fractured with 2046 bbls Slickwater Cliff House 3.921.9 3.921.4 10/26/1996; Cemented with 880 sacks and 100,000 lbs 20/40 Brady sand, in of Class B, tailed with 100 sacks of 3,973.6 4 stages. Class B; circulated 82 bbls of cement Menefee Hydraulic Fracture; 2/19/1997; 4,105.5 4,106.0 to surface Fractured with 110,000 lbs 20/40 4,339.9 4.339.4 Menefee; 4,340.0-4,556.0; 3/8/2002 Ottawa sand and 443 bbls 30 lb 4.555.5 Linear Gel with 1,083,00 scf N2 as 70 Point Lookout 4,641.5 O foam Tubing Pup Joint; 2 3/8 in; 6,809.9 4,644.0 Point Lookout; 4,644.0-4,941.0; 4,643.5 ftKB: 6.811.9 ftKB 3/9/2002 4,940.9 4.940.3 Tubing; 2 3/8 in; 4.70 lb/ft; J-55 5,733.2 Gallup 5,733.9 6.811.9 ftKB: 6.843.4 ftKB Green Horn 6.620. Seal Nipple; 2 3/8 in; 6,843.4 ftKB 6,619.3 6,844.5 ftKB Graneros 6,679. 6,678.3 Mule Shoe; 2 3/8 in; 6,844.5 ftKB; 6 737 9 6.737.1 Upper Dakota; 6,738.0-6,822.0; 6,845.0 ftKB 6,795 Dakota 6,795.1 Hydraulic Fracture; 2/11/1997 6,810.0 6,809.2 Fractured wtih 30,000 lbs 20/40 OIL CONS. DIV DIST. 3 6,812.0 Ottawa sand and 149 bbls 25 lb 6,811.2 Linear Gel with 315,000 scf N2 as 60 6.821.9 6.821.0 Q foam 6,843.5 6,842.7 PBTD; 6,898.0 JUN 1 5 2017 6,843.7 Bridge Plug - Permanent; 6,898.0-6.845. 6,901.0; CLEAN OUT FILL. FOUND 6.844.3 THAT ICBP WAS @ 6898' NOT @ 6,859.9 6.859.1 Dakota; 6,860.0-6,870.0; 2/11/1997 6.870. 6.869.3 Hydraulic Fracture; 2/13/1997 6.898.0 6,897.1 Fractured with 22 900 lbs 20/40 Dakota; 6,902.0-6,912.0; 2/13/1997 Ottawa sand and 143 bbls 30 lb 6,900.1 Lower Dakota: 6.925.0-6.935.0: Linear Gel with 322,000 scf N2 as 60 6.901.9 6.901.1 2/7/1997 Q foam. 6,912.1 6,911.2 Lower Dakota; 6,959.0-6,970.0; Hydraulic Fracture; 2/7/1997 2/5/1997 Fractured with 13,000 lbs 20/40 6,924.9 Cement Plug, 100 sks class G cement Ottawa sand and 92 bbls 30 lb Linear 6,935.0 6.934.2 to sgz casing leak between 6920-Gel with 190,000 scf N2 as 60Q foam 6.940.0 6 939 1 6950'.; 6,940.0-7,043.0; 2/6/1997 6.959.0 Acid Frac; 2/5/1997; Acidized with 24 6,958.2 2; Production; 4 1/2 in; 4.000 in; 14.0 bbls 15% acid ftKB; 7,087.0 ftKB 6,969,3 Cement Plug; 7,043.0-7,087.0; Morrison 7,035. 7,034.3 10/26/1996 7.042.3 7 041 5 First Stage; 3,974.0-7,087.0;

7.043.3

7.085.6

7.086.9

7,089.9

10/26/1996; Cemented with 1225

sacks of Class G 50/50 Poz:

surface

10/26/1996

circulated 20 bbls of cement to

Cement Plug; 7,087.0-7,090.0;

7.042.1

7,042.5

7,089.0