## **Current Schematic**

ConocoPhillips Well Name: WILMUTH #100

3004534918

026-031N-011W-P

License No BASIN FRUITLAND COAL

KB-Ground Distance (ft)

NEW MEXICO

Well Configuration Type DEVIATED

Ground Elevation (ft)

Original KB/RT Elevation (ft) 5.755.00 5.770.00

15.00

KB-Casing Flange Distance (ft)

KB-Tubing Hanger Distance (ft)

## DEVIATED - Original Hole, 7/24/2017 8:37:31 AM MD Formation (ftKB) Vertical schematic (actual) Tops Cement Squeeze; 90.0-470.0; 8/17/2009; MIX AND PUMP 50 SACKS (11.8 BBLS) OF TYPE III CEMENT (1.33 YIELD, 14.8 PPG). @ 2 BPM W/ 100 PSI. DISPLACE WITH 2.5 BBLS OF 18.0 Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 15.0 WATER. NO CEMENT RETURNS TO SURFACE ftKB; 46.1 ftKB 1; Surface; 7 in; 6.456 in; 15.0 ftKB; 310.5 ftKB 45.9 Surface Casing Cement; 15.0-330.0; 5/31/2009; CEMENT AS FOLLOWS: PRE FLUSH WITH 20 Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; J-55; 46.1 ftKB; 62.1 ftKB 62.0 BBL FRESH WATER, CEMENT WITH 162 SX (34 BBI ) CLASS G WITH 2% S-1 CACL 25 LB/SX CELLOFLAKE, 15.8 PPG, 4.97 GAL/SX, 1.17 CU 89.9 Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 62.1 T/SX WITH 300% EXCESS, 50# SUGAR FOR ftKB; 2,447.7 ftKB SOLIDS CONTROL PIT DISPLACE WITH 12 BBI 299.9 FRESH WATER/ NO RETURNS ON PRIMARY Hydraulic Fracture; 8/13/2009; FRAC JOB HAD TO DO REMEDIAL 100 SKS "TOP 309.4 UPPER FRUITLAND COAL. JOB" / TAGGED UP @ 95' KB IN ANNULUS/ MIX & PUMP 100 SKS (21 BBLS) / CIRCULTAE 3 FORMATION BROKE DOWN 876 PSI. 310.4 BBLS CEMENT TO SURFAC BULLHEAD 500 gal 10% FORMIC ACID Auto cement plug; 300.0-330.0; 5/31/2009; IN FRONT OF FRAC. PUMP 4,000 GAL Automatically created cement plug from the casing cement because it had a tagged depth. 330 1 25# X-LINK PRE-PAD, FOLLOWED BY 25,106 GAL 25# LINEAR 75% N2 399.9 Squeeze Perfs.; 400.0; 8/17/2009 FOAM W/ 28,123# 20/40 BRADY SAND & 53.699# 16/30 BRADY SAND W/ 470.1 1,144,000 SCF N2. MAX PSI 2212, MIN OJO ALAMO PSI 1072, AVG PSI 1937. MAX RATE 928.1 33 BPM, MIN RATE 17 BPM, AVG **KIRTLAND** 992.1 RATE 32 BPM. ISIP 1915. Tubing Pup Joint: 2 3/8 in: 4.70 lb/ft: J-FRUITLAND 55; 2,447.7 ftKB; 2,449.8 ftKB Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 2,449.8 2,003.3 ftKB; 2,480.8 ftKB Hydraulic Fracture; 8/4/2009; FRAC 2.013.5 LOWER FRUITLAND COAL. 2,297.9 FORMATION BROKE DOWN 876 PSI. SG; 2,298.0-2,368.0; 8/12/2009 BULLHEAD 500 gal 10% FORMIC ACID SG; 2,464.0-2,484.0; 8/4/2009 2,368.1 IN FRONT OF FRAC. PUMP 4,000 GAL SINGLE; 470.0-2,716.1; 6/4/2009; DURING THE 25# X-LINK PRE-PAD. FOLLOWED BY COURSE OF THE CEMENT JOB, WE 2,447.8 18,596 GAL 25# LINEAR 75% N2 ENCOUNTERED A SUBSTANTIAL GAS KICK AS THE GELLED FLUSH AND FRESH WATER FOAM W/ 19989# 20/40 BRADY SAND 2.449.8 SPACERS CAME ACROSS THE "FARMINGTON SAND" GAS ZONE. THE HOLE UNLOADED & 31,231# 16/30 BRADY SAND W/ 764,300 SCF N2. MAX PSI 2212, MIN PICTURED ... 2,454.1 SPRAYING WATER, MUD AND PILLING WITH IT PSI 781, AVG PSI 1865. MAX RATE 33 CEMENT. HOSES THAT WERE TIED DOWN WITH CHAINS IN ANTICIPATION OF THIS BPM, MIN RATE 17 BPM, AVG RATE 2.463.9 盛 POSSIBILITY CAME LOOSE CAUSING THE 32 BPM. ISIP 747 HOSES TO WHIP ABOUT SPRAYING 2,481.0 Profile Nipple; 2 3/8 in; 4.70 lb/ft; J-55; 翳 PRIMARILY CEMENT AT THIS THAT TIME. THE 2,480.8 ftKB; 2,481.7 ftKB VALVES ON THE WELLHEAD WHERE THESE 2.481.6 HOSES WERE ATTACHED WERE THEN USED Expendable Check; 2 3/8 in; 4.70 lb/ft; J-AS "CHOKES" TO CALM THE HOSES, AWS 55; 2,481.7 ftKB; 2,482.6 ftKB 2,482.6 EMPLOYEES WERE ABLE TO GRAB THE HOSES AND SECURE THEM SO THAT THE 96 JOB WAS FINISHED. AS SOON AS THE PLUG WAS BUMPED. THE VALVES WERE SHUT IT THE PLUG HELD, HOWEVER THERE IS STILL **LEWIS** 2.540.0 TRAPPED PRESSURE ON THE OIL CONS. DIV DIST. 3 2,668.0 PRESSURE BETWEEN THE SURFACE CASING AND PRODUCTION STRING!!!!\*\*\*\*\*\*\* THERE WILL BE A SPILL REPORT GENERATED AND A 2.673.6 NEAR MISS REPORT GENERATED JUL 25 2017 Cement Plug; 2,674.0-2,716.1; 6/4/2009 2; Production1; 4 1/2 in; 4.000 in; 15.0 ftKB; RUN 2,673.9 4 1/2 J-55 LT&C 11.6 # CASING AS FOLLOWS: 2,674.2 FLOAT SHOE, SHOE JOINT, FLOAT COLLAR 16 JOINTS CASING MARKER JOINT 48 JOINTS 2,715.6 CASING, WOODGROUP MANDREL CENTRALIZERS ON JOINTS 2,4,6,8,10 THEN 2,716.2 EVERY 4TH JOINT TO TOP OF OJO ALAMO. SET CSG @ 2716.1' K.B.; 2,716.1 ftKB Cernent; 2,716.1-2,735.0; 6/4/2009