

# BLANCO

Geological Services LLC

Scale 1:240 (5"=100') Imperial

Well Name: Gold Rush 31-32  
Location: NW/NE Sec 32 T31S R65W  
Licence Number: 05-071-08285-00  
Spud Date: 11/19/05

Region: Purgatoire River  
Drilling Completed: 11/30/05

Surface Coordinates:

Bottom Hole Coordinates:

Ground Elevation (ft): 7204 K.B. Elevation (ft): 7208  
Logged Interval (ft): 371' To: 1820 Total Depth (ft): 1820  
Formation: Poison Canyon / Raton / Vermejo  
Type of Drilling Fluid: Air/Mist

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## OPERATOR

Company: Pioneer Natural Resources USA Inc.  
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## GEOLOGIST

Name: Alan Seeling  
Company: BLANCO Geological Services LLC  
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## Rig

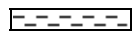


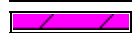
Pense #18



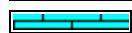

## Comments

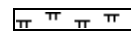
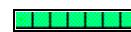
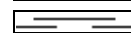
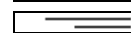
8 5/8" #24 Surface Casing set to 371'

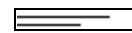



## ROCK TYPES

 Anhy  
 Bent  
 Brec  
 Cht

 Clyst  
 Coal  
 Congl  
 Dol

 Gyp  
 Igne  
 Lmst  
 Meta

 Mrlst  
 Salt  
 Shale  
 Shcol

 Shgy  
 Sltst  
 Ss  
 Till

## ACCESSORIES

### MINERAL

Anhy  
 Arggrn  
 Arg  
 Bent  
 Bit  
 Breclfrag  
 Calc  
 Carb  
 Chtdk  
 Chtlt  
 Dol  
 Feldspar  
 Ferrpel  
 Ferr  
 Glau

Gyp  
 Hvymin  
 Kaol  
 Marl  
 Minxl  
 Nodule  
 Phos  
 Pyr  
 Salt  
 Sandy  
 Silt  
 Sil  
 Sulphur  
 Tuff

### FOSSIL

Algae  
 Amph  
 Belm  
 Bioclst  
 Brach  
 Bryozoa  
 Cephal  
 Coral  
 Crin  
 Echin  
 Fish  
 Foram  
 Fossil  
 Gastro  
 Oolite

Ostra  
 Pelec  
 Pellet  
 Pisolite  
 Plant  
 Strom

### STRINGER

Anhy  
 Arg  
 Bent  
 Coal  
 Dol  
 Gyp  
 Ls  
 Mrst

Sltstrg  
 Ssstrg

### TEXTURE

Boundst  
 Chalky  
 Cryxln  
 Earthy  
 Finexln  
 Grainst  
 Lithogr  
 Microxln  
 Mudst  
 Packst  
 Wackest

## OTHER SYMBOLS

### POROSITY TYPE

Earthy  
 Fenest  
 Fracture  
 Inter  
 Moldic  
 Organic  
 Pinpoint

Vuggy

### SORTING

Well  
 Moderate  
 Poor

### ROUNDING

Rounded  
 Subrnd  
 Subang  
 Angular

### OIL SHOWS

Even

Spotted  
 Ques  
 Dead

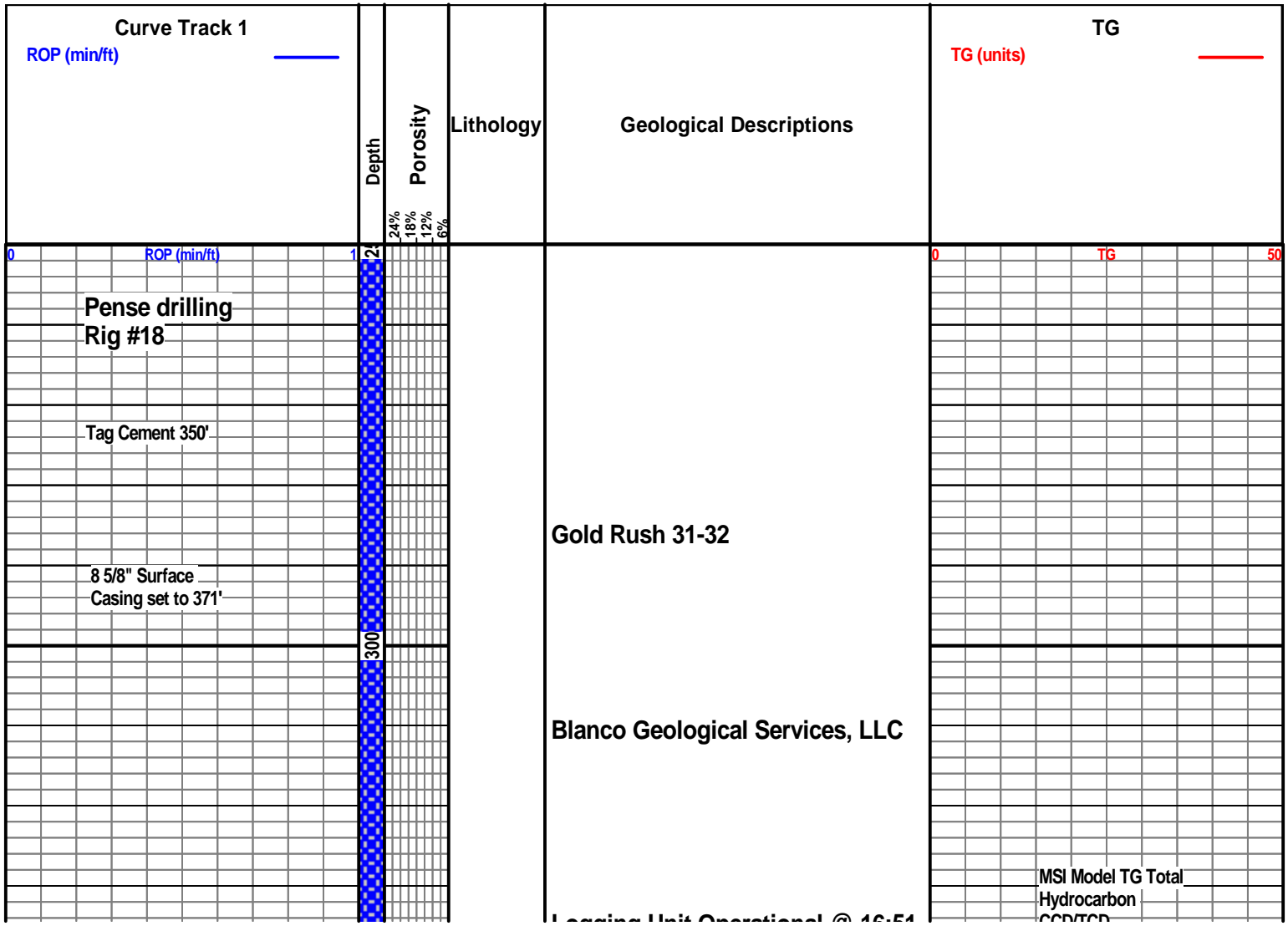
### INTERVALS

Core  
 Core run  
 Dst

Srfcsg  
 Cv-v  
 Cv-c

### EVENTS

Rft  
 Sidewall  
 Srfcsg



Rate of Penetration  
Scale 0-1 min/ft

TG Scale  
1-100 Units

Scale Change  
ROP (min/ft)

Scale Change  
TG

17:09 11/20/05  
Began Drilling  
Poison Canyon Fm

### Poison Canyon Formation

