BLANCO
Geological Services LLC

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

Well Name:	Veedol 34-28		
Location:	SW/SE Sec 28 T33S R65W	Las Animas County	
Licence Number:	05-071-08643-00	Region:	Purgatoire River
Spud Date:	12/21/05	Drilling Completed:	12/22/05
Surface Coordinates:	357' FSL 2520' FEL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	6611'	K.B. Elevation (ft):	6615'
Logged Interval (ft):	405' To: 820'	Total Depth (ft):	820'
Formation:	Raton/Vermejo/Trinidad		
Type of Drilling Fluid:	Air / Mist		

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Pioneer Natural Resources USA, Inc.
Address: 1401 17th Street Suite 1200
Denver CO 80202

GEOLOGIST

Name: Kristopher Alworth/Nicholas Gonzales
Company: BLANCO Geological Services LLC
Address: P.O. Box 865
Trinidad CO 81082
(719) 846-3364

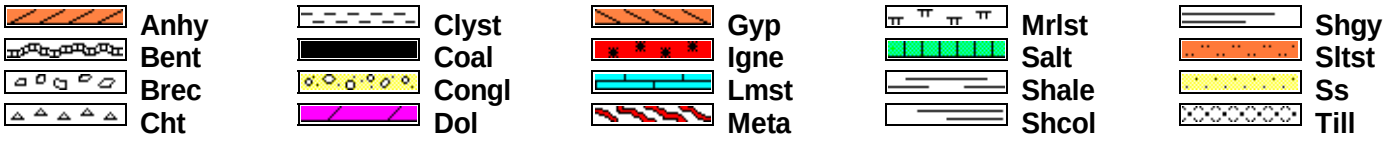
Rig

Pense Drilling Rig #22

Comments

8 5/8" #24 Surface Casing set to 401.20'

ROCK TYPES



ACCESSORIES

MINERAL
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- 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

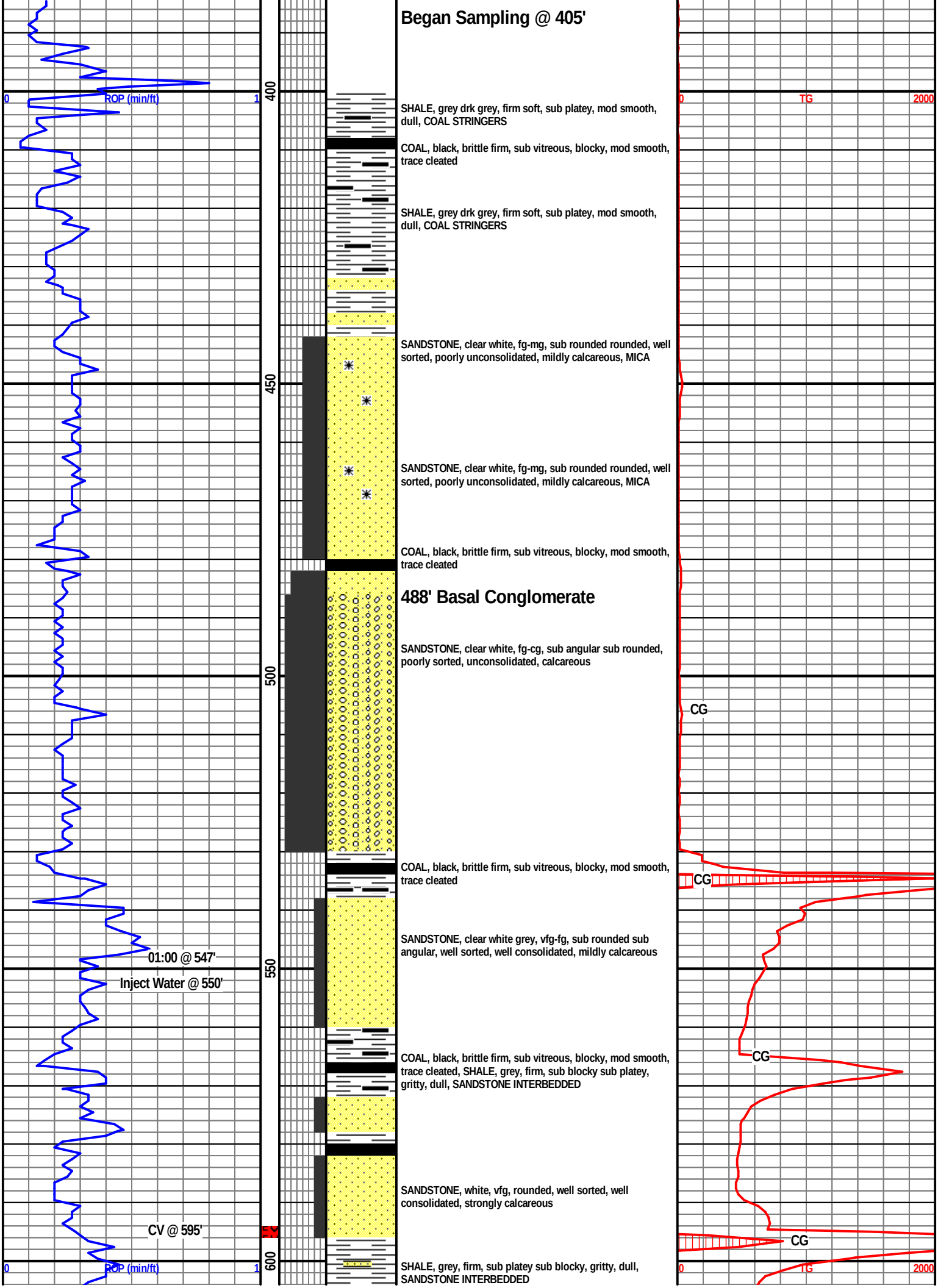
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

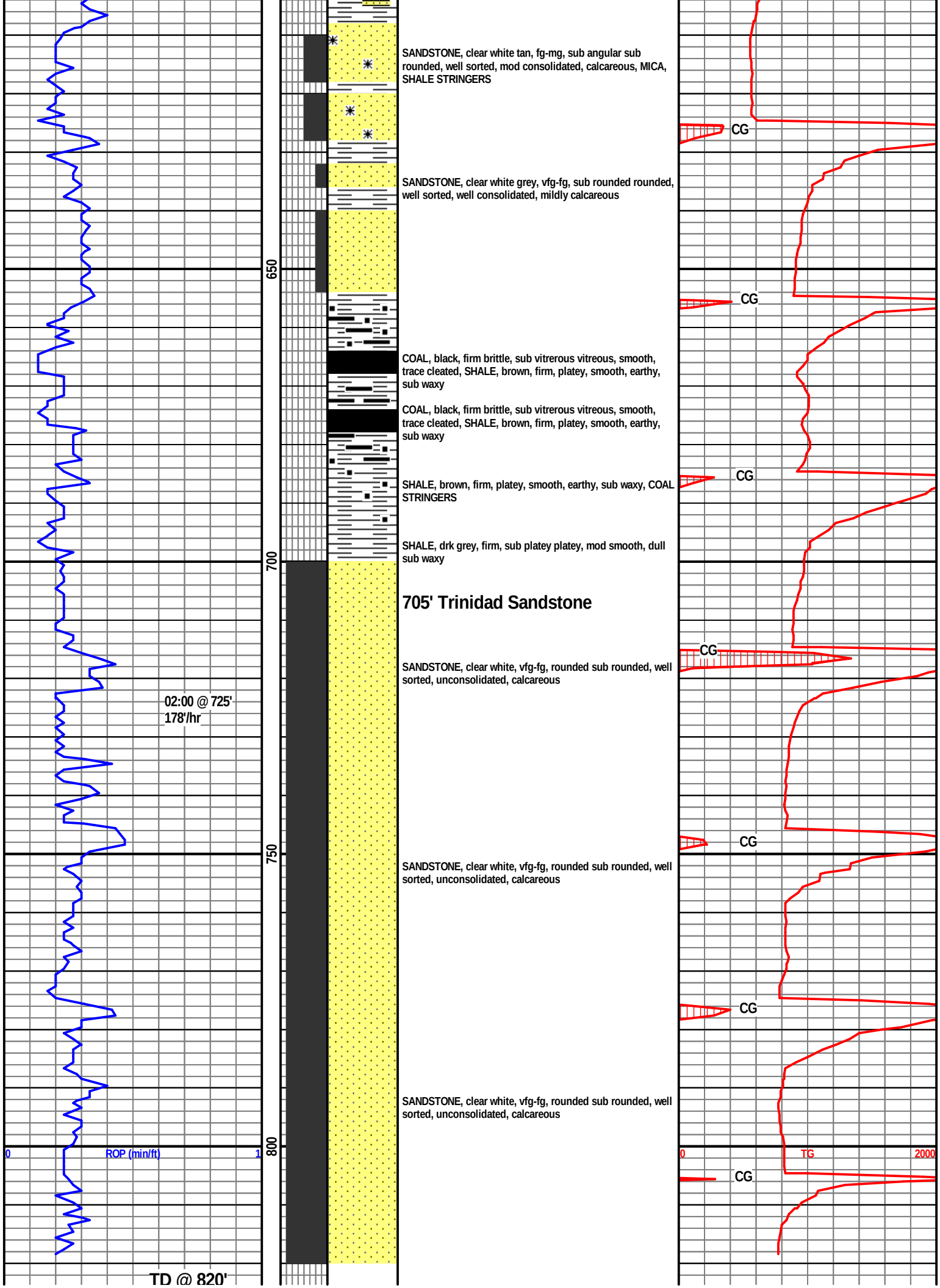
OIL SHOWS
- Even
- Spotted
- Ques
- Dead

INTERVALS
- Core
- Dst
- Srfcsg
- Cv-v
- Cv-c

EVENTS
- Rft
- Sidewall
- Srfcsg

Curve Track 1 ROP (min/ft)	Depth	Porosity 24% 18% 12% 6%	Lithology	Geological Descriptions	TG TG (units)
0 ROP (min/ft) 1	30			Veedol 34-28	0 TG 2000
Pense Drilling Rig # 22					
				Blanco Geological Services LLC	
Tag Cement @ 382'				Logging Unit Operational @ 00:00 12/22/05	MSI Model TG Total Hydrocarbon CCD/TCD
	350				
8 5/8" Surface Casing Set @ 401.2'					
00:15 12/22/05 Drilling New Formation from 402' w/ Air Hammer				RATON FORMATION	TG Scale 0 - 2000 units


Began Sampling @ 405'
0
ROP (min/ft)
1
400
SHALE, grey drk grey, firm soft, sub platey, mod smooth, dull, COAL STRINGERS
COAL, black, brittle firm, sub vitreous, blocky, mod smooth, trace cleated
SHALE, grey drk grey, firm soft, sub platey, mod smooth, dull, COAL STRINGERS
450
SANDSTONE, clear white, fg-mg, sub rounded rounded, well sorted, poorly unconsolidated, mildly calcareous, MICA
SANDSTONE, clear white, fg-mg, sub rounded rounded, well sorted, poorly unconsolidated, mildly calcareous, MICA
COAL, black, brittle firm, sub vitreous, blocky, mod smooth, trace cleated
488' Basal Conglomerate
500
SANDSTONE, clear white, fg-cg, sub angular sub rounded, poorly sorted, unconsolidated, calcareous
COAL, black, brittle firm, sub vitreous, blocky, mod smooth, trace cleated
01:00 @ 547'
Inject Water @ 550'
550
SANDSTONE, clear white grey, vfg-fg, sub rounded sub angular, well sorted, well consolidated, mildly calcareous
COAL, black, brittle firm, sub vitreous, blocky, mod smooth, trace cleated, SHALE, grey, firm, sub blocky sub platey, gritty, dull, SANDSTONE INTERBEDDED
SANDSTONE, white, vfg, rounded, well sorted, well consolidated, strongly calcareous
CV @ 595'
600
SHALE, grey, firm, sub platey sub blocky, gritty, dull, SANDSTONE INTERBEDDED
0
TG
2000
CG
CG
CG
CG
0
TG
2000


SANDSTONE, clear white tan, fg-mg, sub angular sub rounded, well sorted, mod consolidated, calcareous, MICA, SHALE STRINGERS
SANDSTONE, clear white grey, vfg-fg, sub rounded rounded, well sorted, well consolidated, mildly calcareous
COAL, black, firm brittle, sub vitrerous vitreous, smooth, trace cleated, SHALE, brown, firm, platey, smooth, earthy, sub waxy
COAL, black, firm brittle, sub vitrerous vitreous, smooth, trace cleated, SHALE, brown, firm, platey, smooth, earthy, sub waxy
SHALE, brown, firm, platey, smooth, earthy, sub waxy, COAL STRINGERS
SHALE, drk grey, firm, sub platey platey, mod smooth, dull sub waxy
705' Trinidad Sandstone
SANDSTONE, clear white, vfg-fg, rounded sub rounded, well sorted, unconsolidated, calcareous
SANDSTONE, clear white, vfg-fg, rounded sub rounded, well sorted, unconsolidated, calcareous
SANDSTONE, clear white, vfg-fg, rounded sub rounded, well sorted, unconsolidated, calcareous
650
700
750
800
02:00 @ 725'
178'/hr
0
ROP (min/ft)
1
CG
CG
CG
CG
CG
CG
0
TG
2000
TD @ 820'

TD @ 5120
02:30
12/22/05

Veedol 34-28