



GEOSEARCH LOGGING INC.

Scale 1:1200 (1"=100') Imperial

Well Name: PIONEER BRAKE HANDLE # 24-22
Location: SEC: 22, T 32S - R 67W-----LAS ANIMAS CO, COLORADO
Licence Number: AFE: # 020043 Region: PURGATOIRE RIVER
Spud Date: 06/06/2011 Drilling Completed: 06/08/2010
Surface Coordinates: 658' FSL & 2,002' FWL
SESW SEC: 22, T 32S - R 67W
Bottom Hole VERTICAL HOLE
Coordinates:
Ground Elevation (ft): 7,801' K.B. Elevation (ft): 7,810'
Logged Interval (ft): 845' To: 2,986' Total Depth (ft): 2,986'T.D.
Formation: Raton basin, Vermejo, Trinidad
Type of Drilling Fluid: AERATED WATER, (7ppg.)

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

OPERATOR

Company: PIONEER NATURAL RESOURCES USA INC..
Address: 1401 17th ST. STE 1200
DENVER, COLORADO 80202
PHONE: (303) 675-2611 FAX: (303) 294-1251

GEOLOGIST

Name: NEAL DANNEMILLER
Company: PIONEER NATURAL RESOURCES USA INC..
Address: 1401 17th ST. STE 1200
DENVER, COLORADO 80202
PHONE: (303) 675-2645

DRILLING CONTRACTOR

PIONEER RIG #3
FIELD #: 70830
API # : 05-071-09659-0000

WELL SITE GEOLOGIST

WAYNE NIX Cell----(870) 826-6197
BETTY NIX Cell----(870) 826-6196
GEOSEARCH LOGGING INC.
P.O. Box 6005
Edmond, OK. 73083-60
PHONE: (405) 340-5545
FAX: (405) 348-8303

COMPANY MEN

RAMON GONZALES & BILL VIGIL
PIONEER NATURAL RESOURCES USA INC..
 27000 HWY 12
 TRINIDAD, COLORADO 81082
 PHONE: (303) 675-2611

Additional Comments:

2 Manned Logging Service
 Start Logging: 06/06/2011
 SET 8 5/8" SURFACE CASING
 TO 820' ON THE 06/07/2011
 (DRILLED ON AERATED WATER)
 T.D. @ 2,986' on the 06/08/2011
 RELEASED: 06/09/2011

ROCK TYPES

	Anhy		Clyst		Gyp		Mrlst		Shgy
	Bent		Coal		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Shcol		Till

ACCESSORIES

FOSSIL			Ostra		Chtdk		Sandy		Ssstrg
	Algae		Pelec		Chtlt		Silt	TEXTURE	
	Amph		Pellet		Dol		Sil		Boundst
	Belm		Pisolite		Feldspar		Sulphur		Chalky
	Bioclst		Plant		Ferrpel		Tuff		Cryxln
	Brach		Strom		Ferr	STRINGER			Earthy
	Bryozoa	MINERAL			Glau		Anhy		Finexln
	Cephal			Gyp		Arg		Grainst	
	Coral			Hvymin		Bent		Lithogr	
	Crin			Kaol		Coal		Microxln	
	Echin			Marl		Dol		Mudst	
	Fish			Minxl		Gyp		Packst	
	Foram			Nodule		Ls		Wackest	
	Fossil			Phos		Mrst			
	Gastro			Pyr		Sltstrg			
	Oolite			Salt					

OTHER SYMBOLS

POROSITY		Organic		Spotted		Moderate		Subang	
	Earthy		Pinpoint		Ques		Poor		Angular
	Fenest		Vuggy		Dead				
	Fracture					ROUNDING		INTERVAL	
	Inter	OIL SHOW		SORTING			Rounded		Core
	Moldic		Even		Well		Subrnd		Dst





