



GEOSEARCH LOGGING INC.

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

Well Name: PIONEER HAUGHT # 42-30
Location: SEC: 30, T 32S - R 67W-----LAS ANIMAS CO, COLORADO
Licence Number: AFE: # 020057 Region: RATON-SANGRE DE CRISTO
Spud Date: 07/02/2011 Drilling Completed: 07/04/2011
Surface Coordinates: 2,349' FNL & 1,037' FEL
SENE Sec: 30 T32S--R67W
Bottom Hole
Coordinates: VERTICAL HOLE
Ground Elevation (ft): 7,834' K.B. Elevation (ft): 7,843'
Logged Interval (ft): 405' To: 2,900' Total Depth (ft): 2,900'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: Beau Tinnin & Neal Dannemiller
Company: PIONEER NATURAL RESOURCES USA INC..
Address: 1401 17th ST. STE 1200
DENVER, COLORADO 80202
NEAL: (303) 675-2645 & BEAU: (303) 675-2734

DRILLING CONTRACTOR

PIONEER RIG #3
FIELD #: 70830---RATON-SANGRE DE CRISTO
API # : 05-071-09710-0000

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


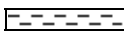

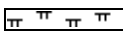
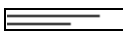
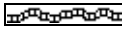




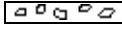


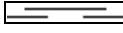






COMPANY MEN

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










































Additional Comments:

2 Manned Logging Service
 Start Date: 07/01/2011
 SET 8 5/8" SURFACE CASING
 TO 405' ON THE 07/02/2011
 (DRILLED ON AERATED WATER)
 T.D. @ 2,900' on the 07/04/2011
 RELEASED: 07/04/2011.....






















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	
	Belm		Pisolite		Feldspar		Sulphur	
	Bioclst		Plant		Ferrpel		Tuff	
	Brach		Strom		Ferr			
	Bryozoa				Glau	STRINGER		
	Cephal	MINERAL			Gyp			Anhy
	Coral			Hvymin			Arg	
	Crin			Kaol			Bent	
	Echin			Marl			Coal	
	Fish			Minxl		Dol		
	Foram		Nodule		Gyp			
	Fossil		Phos		Ls			
	Gastro		Pyr		Mrst			
	Oolite		Salt		Sltstrg			

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

