



GEOSEARCH LOGGING INC.

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

Well Name: PIONEER IDRAHAJE 12-14
Location: SEC: 14, T 33S - R 66W-----LAS ANIMAS CO, COLORADO
Licence Number: AFE: # 020064 Region: RATON
Spud Date: 06/19/2011 Drilling Completed: 06/21/2011
Surface Coordinates: 2,198' FNL & 1,109' FWL
SWNE SEC: 14, T 33S - R 66W
Bottom Hole VERTICAL HOLE
Coordinates:
Ground Elevation (ft): 7,195' K.B. Elevation (ft): 7,205'
Logged Interval (ft): 435' To: 1,848' Total Depth (ft): 1,848'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
API # : 05-071-09782-0000

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 Logging: 06/20/2011
 SET 8 5/8" SURFACE CASING
 TO 435' ON THE 06/20/2011
 (DRILLED ON AIR)
 T.D. @ 1,848 ' on the 06/21/2011
 RELEASED: 06/21/2011.....

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			Boundst
	Cephal	MINERAL			Gyp		Anhy		Chalky
	Coral		Anhy		Hvymin		Arg		Cryxln
	Crin		Arggrn		Kaol		Bent		Earthy
	Echin		Arg		Marl		Coal		Finexln
	Fish		Bent		Minxl		Dol		Grainst
	Foram		Bit		Nodule		Gyp		Lithogr
	Fossil		Brecfrag		Phos		Ls		Microxln
	Gastro		Calc		Pyr		Mrst		Mudst
	Oolite		Carb		Salt		Sltstrg		Packst
									Wackest

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



