



GEOSEARCH LOGGING INC.

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

Well Name: PIONEER RESOURCES ICEHOUSE # 23-34
Location: SEC: 34, T-31S---R-66W-----LAS ANIMAS CO, COLORADO
Licence Number: AFE: # 020062 Region: RATON-SPANISH PEAK
Spud Date: 07/13/2011 Drilling Completed: 07/15/2011
Surface Coordinates: 368' FNL & 1,235' FEL
NE/NE Sec: 34, T31S--R66W____MERIDIAN: 6
Bottom Hole VERTICAL HOLE
Coordinates:
Ground Elevation (ft): 7,168' K.B. Elevation (ft): 7,177'
Logged Interval (ft): 765' To: 2,070' Total Depth (ft): 2,070'T.D.
Formation: Raton Coal, Raton Cong, 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 NATURAL RESOURCES: RIG #3
FIELD #: 70830--RATON BASIN-SPANISH PEAKS
API # : 05-071-09822-0000

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


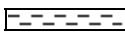


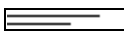


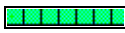

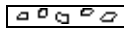


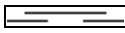


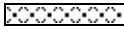
COMPANY MEN

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: 07/13/2011
 SET 8 5/8" SURFACE CASING
 TO 745' ON THE 07/14/2011
 (DRILLED ON AERATED WATER)
 T.D. @ 2,070 ' on the 07/15/2011
 RELEASED: 07/15/2011.....




















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

OTHER SYMBOLS

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

