



# **GEOSEARCH LOGGING INC.**

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

Well Name: PIONEER SEABISKET # 43/19  
Location: Sec: # 19, T32S--R67W-----LAS ANIMAS CO, COLORADO  
Licence Number: AFE: # 020925 Region: SANGRE DE CRISTO  
Spud Date: 09/19/2011 Drilling Completed: 09/24/2011  
Surface Coordinates: 2,117 FSL & 14.0 FEL  
NE/SE Sec: # 19, T32S--R66W----MERIDIAN # 6  
Bottom Hole VERTICAL HOLE  
Coordinates:  
Ground Elevation (ft): 7,994' K.B. Elevation (ft): 8,003'  
Logged Interval (ft): 1,243' To: 3,150' Total Depth (ft): 3,150'T.D.  
Formation: Raton Coal, Raton Cong, Vermejo, Trinidad SandStones  
Type of Drilling Fluid: (DRILLING W/AERATED WATER 7 ppg.)

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## **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----MERIDIAN # 6  
API # : 05-071-09711-00

## **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 & MIKE POLLEY**  
**PIONEER NATURAL RESOURCES USA INC..**  
 27000 HWY 12  
 TRINIDAD, COLORADO 81082  
 PHONE: (303) 675-2611

### Additional Comments:

**2 Manned Logging Service**  
**Start Date: 09/19/2011**  
**SET 8 5/8" SURFACE CASING**  
**TO 1,215' ON THE 09/19/2011**  
**(DRILLING W/AERATED WATER 7 ppg..)**  
**T.D. @ 3,150' on the 09/24/2011**  
**RELEASED:09/24/2011**

### ROCK TYPES

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

### ACCESSORIES

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

### OTHER SYMBOLS

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





