



GEOSEARCH LOGGING INC.

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

Well Name: PIONEER Rolls Royce # 33-36
Location: Sec: # 36, T32S--R66W-----LAS ANIMAS CO, COLORADO
Licence Number: AFE: # 020921 Region: COTTONTAIL PASS
Spud Date: 09/16/2011 Drilling Completed: 09/18/2011
Surface Coordinates: 2,078' FSL & 1,824' FEL
NW/SE Sec: # 36, T32S--R66W----MERIDIAN # 6
Bottom Hole VERTICAL HOLE
Coordinates:
Ground Elevation (ft): 7,120' K.B. Elevation (ft): 7,124'
Logged Interval (ft): 495' To: 1,810' Total Depth (ft): 1,810'T.D.
Formation: Raton Coal, Raton Cong, Vermejo, Trinidad SandStones
Type of Drilling Fluid: (DRILLING WITH AIR)
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----MERIDIAN # 6
API # : 05-071-09878-00

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

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

Additional Comments:

2 Manned Logging Service
Start Date: 09/16/2011
SET 8 5/8" SURFACE CASING
TO 479' ON THE 09/16/2011
(DRILLING WITH AIR.)
T.D. @ 1,810' on the 09/18/2011
RELEASED:09/18/2011

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



