

ENERGEN RESOURCES

Pertinent Data Sheet

Date: 10/24/2005 **Well Name:** Carracas 27A#82 **API#:** 30-039-24278 **DP#:** 24278A
(Carracas SWD#1)

Unit: H **Sec:** 27 **Twp:** 32N **Rge:** 5W **Footage:** 1,650' FNL and 990' FEL
County: Rio Arriba **State:** NM **Spud:** 12/1/88 **Completed:** 2/24/89
Field: Morrison/Bluff **Elev:** 7,164' **TD:** 10,060' **PBTD:** 9,975' **KB:** 7,176' KB
GL RBP@9,461' or 12'

Perfs: (9,680' - 9,790') 1 SP every 2' - 56 holes - isolated with an RBP @ 9,641' - had Qinj = 3.3 BPM@1,600psi
(9,555'-9,596') 1 SPF - 42 holes - current zone that is open

NOTE: Order No. SWD-361 - allows for a surface injection pressure of 1,940 PSIG

Frac: (2-3-89) Acid job 500 gals 15% HCL and 100 RCN ball sealers ball-off at 4,000 psig-knocked balls-off

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	TOC
17-1/2"	13-3/8"	54.5#K55 ST&C	319'	385 sx	circ
12-1/4"	9-5/8"	23 jt. 43.5#N80	4,143'	1050 sx	circ
		59 jt 40.0#N80			
		20 jt 43.5#N80			
8-3/4"	7"	23 jt 29#N80	3,898' to 10,053'	900 sx	no circ
		63 jt 26#N80			
		71 jt 23#N80			

Tubing Size	# Joints	Weight & Grade	Depth Set	Seat Nipple	Packer
3-1/2"	301	9.3# IPC	9,337'		BOT-Lock set@9337'

Rod & Pump Record:N/A

Rod Size	# Rods	Length	Grade
N/A			

Log Record: GR-CCL-CBL

Formation Tops:

Ojo Alamo	3265'	Menefee	
Kirtland	3342'	Point Lookout	
Fruitland	3788'	Mancos	
Pictured Cliffs	3925'	Gallup	
Lewis		Graneros	8547'
Cliffhouse		Dakota	8670'

Work History: Note: Bridge plug @ 9,641' with sand on top Baker RBP in 7" (2-4-89) - has a tong die dropped on top of sand on top of RBP

6/10/09