



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
[http://emnr.state.nm.us/ocd/District III/district.htm](http://emnr.state.nm.us/ocd/District%20III/district.htm)

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 12-18-07 Operator Energizer API #30-0 39-26214
Property Name Eul Camp SW Well No. 1 Location: Unit M Section 24 Township 32 Range 6
Well Status (Shut-In or Producing) Initial PSI: Tubing 138 Intermediate 1/A Casing 278 Bradenhead 240

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE			INTERM	
	BH	Bradenhead Int	Csg	Int	Csg
TIME					
5 min			300		
10 min			310		
15 min			318		
20 min			320		
25 min			320		
30 min			330		

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing	RCVD DEC 18 '07
Nothing	OIL CONS. DIV.
Gas	DIST. 3
Gas & Water	
Water	chemical

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR _____ FRESH _____ SALTY _____ SULFUR _____ BLACK _____

5 MINUTE SHUT-IN PRESSURE

BRADENHEAD 10

INTERMEDIATE 1/A

REMARKS:

Bubbled & spit last 15 minutes of test
Casing rose 600 lbs in 35 min. test of BH.
Blew down casing. Tubing read 100

By Danny Buttan
Fred Foreman
(Position)

Witness Monica Lucking

E-mail address _____

Subject Wellbore DiagramEnl Canyon SWD#1

From well records And Sundry forms.

RCVD DEC 18 '07

OIL CONS. DIV.

DIST. 3

13 $\frac{3}{8}$ " 48# H-40
 w/ 826 cuft cmt
 @ 591' (CMT Circ.)

TVL (5 $\frac{1}{2}$ " @ 5,585')

9 $\frac{5}{8}$ " 40/36# N-80
 w/ 3 stg. (140/974/1854 cuft)
 @ 5,757' cmt (circ.)

PKR @ 8,600'

3 $\frac{1}{2}$ " 9.3# N-80 IPL
 @ 8,605'

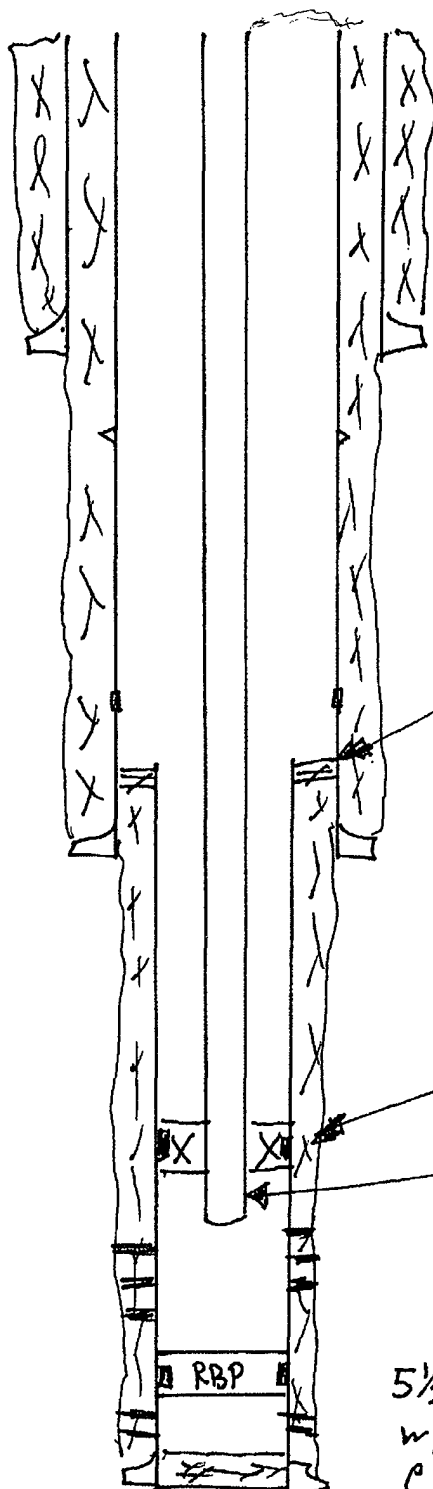
5 $\frac{1}{2}$ " 17# K-55/N-80
 w/ 1,512 cuft
 @ 5,585' + v 9,233' cmt (Circ. Liner Top)

Perfs:

8,640' to 8,750'
 (overall) - Acid Stim.

and
 8,905' to 9,000'
 (overall - Frac.)

See pertinent
 data
 for more
 details



ENERGEN RESOURCES

Pertinent Data Sheet

Date: 12/17/2007 **Well Name:** EUL CANYON SWD 1 **API#:** 3003926214 **DP#:** 3199013A
Unit: M **Sec:** 24 **Twp:** 32N **Rge:** 6W **Footage:** 1,105' FSL 780' FWL
County: Rio Arriba **State:** NM **Spud:** 9/25/99 **Completed:** 12/2/99
Field: Entrada-Chinle **Elev:** 6,346' **TD:** 9,235' **PBTD:** 8,860' **KB:** 14' GL

Perfs: Injection Zone : Bluff 8,640' to 8,750' (8,640' to 70', and 8,690' to 8,750') @ 2 SPF
 **Covered with RBP @ 8,860' (8,905' to 9,000' w/ 1 SPF)

Frac : Bluff: 8,640' to 8,750' - 3,000 gallons acid - 15 % HCL
 **(Frac from 8,905' to 9,000' w/ 94,000 gallons HyborG w/ 150,000# 20/40 Tempered LC)

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	TOC
17-1/2"	13-3/8"	48# H-40	591'	826 cuft	Circ
12-1/4"	9-5/8"	40&36# N-80	5,757'	1 st - 140 cuft	Circ
			PKR STG collar	2 nd - 974 cuft	Circ
			5,475'		
			DV 3,466'	3 rd - 1854 cuft	Circ
7-7/8"	5-1/2"	17# K-55 & N-80	5,585' to 9,233'	1,512 cuft	Circ Liner top
Tubing Size	# Joints	Weight & Grade	Depth Set	Seat Nipple	Packer
3-1/2"	280	9.3# N-80 IPC	8,608'		8,600'

Rod & Pump Record:N/A

Rod Size	# Rods	Length	Grade
N/A			

Log Record: HRI, Den-Neu, MicroLog, GR-CCL-CBL

Formation Tops:

Ojo Alamo	2,240'	Point Lookout	5,585'
Kirtland	2,510'	Mancos	6,105'
Fruitland	2,924'	Gallup	6,903'
Pictured Cliffs	3,060'	Graneros	7,740'
Lewis	3,445'	Dakota	7,869'
Cliffhouse	5,160'	Bluff	8,623'
Menefee	5,408'	Chinle	9,125'

Work History: No History of rig work - last MIT 1-26-2005 Okay per State of NM records on web.

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. UL	Sec.	Twp
							Owner		
30-039-26214-00-00	EUL CANYON SWD	001	ENERGEN RESOURCES CORPORATION	S	A	Rio Arriba	P M	24	32

bradenhead blew down in 30 seconds through 1/4 in valve - bradenhead started bubbling in 15 minutes then blurped chemical rest of test - shut-in pressure was 10 lbs - casing rose 60 lbs while test running 35 minutes - blew casing down to see if affected tubing - did not - tubing went from 138 to 160 by end of blow down of casing (Dan (foreman) and Darby (pumper) said bradenhead had had a gel squeeze since the test in June performed by Halliburton (maybe 10 gallons of gel mix went into bradenhead) prior to this test injection was shut-in at 3 a.m. Operator told to monitor casing (will put gauge on wellhead) also told to check bradenhead once in a while