

DEVIATION RECORD

<u>No.</u>	<u>Degree</u>	<u>Depth</u>
1	$1/2^{\circ}$	281'
2	$1/2^{\circ}$	891'
3	$3/4^{\circ}$	1366'

WELL REPORT
ENERGY RESERVES GROUP, INC.
GALLEGOS CANYON UNIT #276
SAN JUAN COUNTY, NEW MEXICO

R. Tucker Attebery
R. Tucker Attebery, Geologist
Farmington, New Mexico 87401

ABSTRACT

The Energy Reserves Group: Gallegos Canyon Unit #276, was spudded January 17, 1977. This test, in the West Kutz-Pictured Cliffs Field, was drilled to a total depth of 1576 feet Logger and 1580 feet Driller in the Pictured Cliffs Formation of Cretaceous age.

Rotary cuttings were examined by a geologist in the field from 1400 feet to 1580 feet. The well was logged by Birdwell from 87 feet to 1576 feet (IES-GR Sonic-GR Density).

Samples were stored at the offices of Energy Reserves Group, Inc., in Farmington, New Mexico.

WELL REPORT
ENERGY RESERVES GROUP: GALLEGOS CANYON UNIT #276
SAN JUAN COUNTY, NEW MEXICO

LOCATION

1650' FSL and 1090' FEL, Section 25-T28N-R13W

ELEVATION

5799' GL: 5808' KB

CONTRACTOR

L&M Ventures
Toolpusher: Malcom Kitchens

SPUD AND COMPLETION DATA

Spud Date: January 17, 1977
Drillout Date January 18, 1977
Date TD Reached: January 20, 1977
TD Driller 1580': TD Logger 1576'

CASING

Surface: 7" @87' w/50 sxs
Production: 4 1/2" @

ELECTRICAL SURVEYS

Birdwell: IES, GR-Density, GR-Sonic

FORMATION TOPS

<u>Tertiary</u>	<u>Depth</u>	<u>KB Datum</u>	<u>Thickness</u>
Nacimienta	Surface	5808'	126'
Ojo Alamo	126'	5682'	104'

CRETACEOUS

Kirtland	230'	5578'	788'
Fruitland	1018'	4790'	425'
Pictured Cliffs	1443'	4365'	133'
TD Driller	1580'	-	
TD Logger	1576'	4232'	

WELL CUTTINGS

10' samples from 102' to 1580'

BIT RECORD

<u>No.</u>	<u>Make</u>	<u>Size</u>	<u>Type</u>	<u>Depth Out</u>	<u>Footage</u>	<u>Hours Run</u>
1	Hughes	9 7/8"	OSC	102'	102'	5 1/2
2	Hughes	6 1/4"	OSC	281'	179'	5
3	Hughes	6 1/4"	Retip	891'	610'	12 1/2
4	Hughes	6 1/4"	OSC	1366'	475'	10 1/4
5	Hughes	6 1/4"	OSC	1580'	214'	3 3/4

TOTAL ROTATING HOURS - 37.0

DRILLING RECORD

1-17-77 Drlg surface to 102' w/Bit #2 in 5 hrs
Set 7" surface pipe @87' w/50 sxs cement w/3% CaCl

1-18-77 Drlg @102' w/Bit #2, Drlg 5 hrs w/water

1-19-77 Drlg @281' w/Bit #3, Drlg 21.5 hrs w/water
Trip for Bit #4 @891'

1-20-77 Drlg @1330' w/Bit #4, Drlg 3 3/4 hrs w/water
Trip for Bit #5 @1366' TD @1580' prep to run logs,
had trouble getting logs down

1-21-77 Ran Birdwell logs and casing