

DEVIATION RECORD

<u>No.</u>	<u>Depth</u>	<u>Deviation</u>
1	888'	$1/2^0$

WELL REPORT
ENERGY RESERVES GROUP
GALLEGOS CANYON UNIT #273
WEST KUTZ - PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

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ENERGY RESERVES GROUP - 273 GALLEGOS CANYON UNIT
NENW 32 - 28N - RW, 950' FNL, 1770' FWL
1356' PICTURED CLIFFS TEST - EL: 5568' GR.
(WEST KUTZ - PICTURED CLIFFS)

ABSTRACT

The #273 Gallegos Canyon unit was drilled to 1356' (Logger TD) on 1-8-77. Gas appeared in the drilling mud at 486' (in the Farmington Ss). Log indications show possibilities in the Fruitland Formation.

A large gas increase was noted while drilling in the Pictured Cliffs Formation. The well was drilled with water. Birdwell ran an IES log and casing was set on the Pictured Cliffs Formation. Drilling time was decreased below 1315' as one cone bearing failed and the bit was nursed to 1358'.

Samples were described from 1150' to T.D. Drilling time was plotted from 100' to TD.

WELL REPORT

ENERGY RESERVES GROUP: GALLEGOS CANYON UNIT #273
WEST KUTZ - PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

LOCATION

SW/4 NE/4 NW/4, Section 32-T28N-R12W, 960' FNL and 1770' FWL

ELEVATION

5568' GL: 5577' KB

CONTRACTOR

L&M Ventures
Toolpusher: Malcolm Kitchens

SPUD AND COMPLETION DATA

Spud Date
Drill Out Date
Date TD Reached
TD Logger 1356', TD Driller 1358'

ELECTRICAL SURVEYS

Birdwell: IES (78' to 1356')

FORMATION TOPS

<u>Tertiary</u>	<u>Depth</u>	<u>KB Datum</u>	<u>Thickness</u>
Ojo Alamo	At Surface	+5577'	60'
<u>Cretaceous</u>			
Kirtland	60' est	+5517'	725'
Fruitland	785'	+4792'	427'
Pictured Cliffs Ss	1212'	+4365' pentrtd	146'
TD Driller	1358'	+4219'	
TD Logger	1356'		

WELL CUTTINGS

10' samples from 80' to 1358'

BIT RECORD

<u>Bit No.</u>	<u>Make</u>	<u>Type</u>	<u>Size</u>	<u>Depth Out</u>	<u>Footage</u>
2	Varel	Retip	6 1/4	888'	810'
3	Hughes	OSC	6 1/4	1358'	470'

DAILY DRILLING REPORT

1-6-77 Rig up (7 hrs), drill surface hole (2 hrs), run 78 feet surface pipe (1 hr), cement (1/2 hr), clean and drain equip.

1-7-77 Drlg @93', drilled out 8:00 p.m., w/Bit #2
6 1/4 Varel retip, Drlg (3 hrs)

Water

1-8-77 Drlg @463', gas increase @486', drlg (12 hrs)
Circ and trip Bit #3 (6 1/4 Hughes OSC @888') (2 hrs)
Deviation survey @888' = 1/2" (1/2 hr), lots of PC gas
@1290'. Drilled to 1358' Driller TD, circ and tripped
out to log (water), mudded up to log.

1-9-77 Birdwell logged hole w/IES; ran casing and cemented