

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

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ENERGY RESERVES GROUP, 271 GALLEGOS CANYON UNIT,
NWSE 27 - T28N - R12W, 1400'fs1, 2500'fe1
1623' PC TEST, EL 5765' GL (WEST KUTZ - PICTURED CLIFFS FIELD)

ABSTRACT

The Energy Reserves Group, 271 Gallegos Canyon Unit, was spudded December 11, 1976. The well was drilled to a total depth of 1623' Driller, 1623' Logger, in the Pictured Cliffs Formation of Cretaceous age.

All formations from 124' to TD were evaluated as follows:

- 1) Careful examination of rotary cuttings was performed by a geologist in the field.
- 2) Electrical surveys were conducted by Schlumberger: IES, Sonic, CNL, CDL.
- 3) A core was cut from 1462' to 1490.5', from 1490.5' to 1550' and from 1550' to 1601', and analyzed by Core Lab. An 11' coal section was tested by a Bureau of Mines geologist on the site and coal samples were retained.

Numerous hydrocarbon shows were noted in the field in the Farmington Ss and the Fruitland Ss sections. The three Pictured Cliff cores exhibited a gassy odor.

Samples were stored in the office of Energy Reserves Group in Farmington, New Mexico. Cores were transported to Denver, Colorado by Core Lab with the instructions that they contact Energy Reserves Group regarding further disposition.

WELL REPORT
ENERGY RESERVES GROUP: GALLEGOS CANYON UNIT #271
WEST KUTZ-PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

LOCATION

NW/4 SE/4, Section 27 - T28N - R12W, 1400'FSL & 2500'FEL

ELEVATION

5765' GL, 5775' KB

CONTRACTOR

L & M Ventures
Toolpusher: Malcolm Kitchens

SPUD AND COMPLETION DATA

Spud Date: 12-11-76
Drill Out Date: 12-12-76
Date TD Reached: 12-19-76
TD Driller 1623': TD Logger 1624'

CASING

Surface: 8 5/8" - 124' - 65 sacks
Casing: 4 1/2" - 1623'

ELECTRICAL SURVEYS

Schlumberger: IES, Sonic, CNL, CDL, with Gamma Ray and Caliper

CORES

Ø1 1462' - 1490.5' rec. 28.5'
Ø2 1490.5' - 1550' rec. 59.5'
Ø3 1550 - 1601' rec. 51'

FORMATION TOPS

<u>Tertiary</u>	<u>Depth</u>	<u>KB Datum</u>	<u>Thickness</u>
Nacimiento	Surface	5775'	283'
Ojo Alamo	0283'	5492'	101'
<u>Cretaceous</u>			
Kirtland	0384'	5391'	774'
Fruitland	1158'	4617'	324'
Pictured Cliffs Coal	1482'	4293'	13'
Pictured Cliffs Ss	1495'	4280'	Penetrated 129'
TD 1624' Logger			

WELL CUTTINGS

10' samples from 130' to 1462'

BIT RECORD

<u>No.</u>	<u>Make</u>	<u>Size</u>	<u>Type</u>	<u>Depth Out</u>	<u>Footage</u>
				124'	
2	Smith	7 7/8"	retip(SDGH)	760'	636'
3	Smith	7 7/8"	retip(SDGH)	1436'	676'
4	Smith	7 7/8"	retip(SDGH)	1462'	26'
CORED	(CHRISTIANSEN BIT)			1601'	138'
4	Smith	7 7/8"	retip(SDGH)	1623'	22'

DEVIATION RECORD

No.

Degree

Depth

None

$\frac{1}{4}^{\circ}$

1403'

DAILY DRILLING REPORTS

- 12-11-76 MIRT, set 8 5/8 inch surface @ 124', and cemented with ? sxs.
- 12-12-76 TD 124'; Nipple-up BOP, Flowlines, pump (8 hrs.)
Drlg (8 hrs.) w/Bit #2 (7 7/8" Smith).
Mud Properties: Vis 29, Wt 8.4.
- 12-13-76 TD 410', w/Bit #2
Drlg (17 hrs.), Conditioning mud (2 hrs.), @ 760'
Trip for Bit (5 hrs), Reamed last 60'.
Mud Properties: Vis 35, Wt 8.8.
- 12-14-76 TD 915', w/Bit #3 (7 7/8" Smith), (Type SDGH),
Drlg (18.5 hrs.), rigged up geolograph @ 1265' (2 hrs.),
Refuel (0.5 hrs.), Trip for Bit (3 hrs.) @ 1436'.
Mud Properties: Vis 31, Wt 9.
- 12-15-76 TD 1436', w/Bit #4 (7 7/8" Smith), (Type SDGH),
Drlg (7.5 hrs.), Trip out (12 hrs.),
Ream and Trip in (4.5 hrs.).
Mud Properties: Vis 38, Wt 9.2.
- 12-16-76 TD 1462', Trip out and rig core barrel (6 hrs.),
Trip in hole (3 hrs.), Coring #1 (9 hrs.),
Trip for core #1 (3 hrs.), Trip in and ream (3 hrs.).
Mud Properties: Vis 50+, Wt 9.2.
- 12-17-76 TD 1490.5', Trip out (2 hrs.), Trip in with core
barrel and core #2 (16.0 hrs.), Coring time (8.5 hrs.),
Trip out and lay down core #2 (2 hrs.), Trip in (4 hrs.).
Mud Properties: Vis 50+, Wt 9.4.
- 12-18-76 TD 1550', Ream hole (8 hrs.), repair equip. (1.5 hrs.),
Core #3 and Trip out (9 hrs.), Trip in and drill to
1620' (5.5 hrs.).
Mud Properties: Vis 50, Wt 9.4.

DAILY DRILLING REPORTS - CONTINUED

12-19-76 TD 1623', Logging (7 hrs.), Trip out and
condition mud for logging (5 hrs.).

Mud Properties: Vis 70, Wt 9.5.

12-20-76 TD 1623', Finish running casing and cement.
MORT.