

WELL REPORT
ENERGY RESERVES GROUP, INC.
JICARILLA 35 #6
RIO ARriba COUNTY, NEW MEXICO

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

ABSTRACT

The Energy Reserves Group, Inc.: Jicarilla 35 #6 was spudded February 5, 1977. The test was drilled to a total depth of 3938' Logger and 3950' Driller, in the Chacra Formation of Upper Cretaceous Age. A total of 135.5 rotating hours were required for the drilling of this test.

All formations from 2800' to 3950' were evaluated by a geologist in the field. The well was logged by Schlumberger using an Induction-Electrical log from 216' to 3932' and BHC Density from 1900' to 3936'.

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

WELL REPORT
ENERGY RESERVES GROUP: JICARILLA 35 #6
BLANCO PICTURED CLIFFS - SOUTH OTERO CHACRA FIELDS
RIO ARriba COUNTY, NEW MEXICO

LOCATION

1550' FNL & 990' FEL (SE NE), Section 1 - T24N - R5W, NMPM

ELEVATION

6871' GL : 6884' KB

CONTRACTOR

Arapahoe Drilling Company, Rig #6
Toolpusher: Roy Shepard

SPUD AND COMPLETION DATA

Spud Date: February 5, 1977
Drill out Date: February 6, 1977
Date TD Reached: February 12, 1977

TD Driller 3950' : TD Logger 3938'

CASING

Surface: 8 5/8" @ 220'

ELECTRICAL SURVEYS

Schlumberger: BHC Density (1900' - 3950')
Induction-Electrical (216' - 3932')

FORMATION TOPS

<u>Tertiary</u>	<u>Depth</u>	<u>KB Datum</u>	<u>Thickness</u>
Tertiary Undivided	Surface	6884'	2380'
Ojo Alamo	2380'	4504'	195'
 <u>Cretaceous</u>			
Kirtland	2575'	4309'	70'
Fruitland	2645'	4239'	258'
Pictured Cliffs	2903'	3981'	102'
Lewis	3005'	3879'	740'
Chacra	3745'	3139'	Penetr'd. 193'
TD Logger	3938'		
TD Driller	3950'		

WELL CUTTINGS

30' samples from 1000' - 2800'
10' samples from 2800' - 3950' Driller TD.

BIT RECORD

<u>No.</u>	<u>Make</u>	<u>Size</u>	<u>Type</u>	<u>Depth Out</u>	<u>Footage</u>	<u>Hrs. Run</u>
1	HTC	12 1/4	OSC	222'	222'	5 1/4
2	STC	7 7/8	DG	1172'	950'	7 1/2
3	Smith	7 7/8	F2	3741'	2569'	104 3/4
4	Smith	7 7/8	DGT	3905'	164'	15
5	Smith	7 7/8	DGT	3950'	45'	3

Total Rotating Hours - 135 1/2

DEVIATION RECORD

<u>No.</u>	<u>Degree</u>	<u>Depth</u>
1	3/4	222'
2	3/4	734'
3	1 1/2	1172'
4	1 1/4	1671'
5	1 1/4	2170'
6	1	2671'
7	3/4	3171'
8	3/4	3741'

DRILLING REPORT

2-5-77 TD 222', Set 8 5/8" csg. at 215', Move and rig-up and mix mud - 12 1/2 hrs.; drilling rat and mouse hole 1 hr., drlg. surface 5 1/4 hrs., circ., survey, run casing 2 hrs., cement 1 hr., WOC 2 1/4 hrs.

Deviation record: 3/4° @ 222'

2-6-77 Drlg. 1285', WOC 2 1/2 hrs., Nipple-up 7 1/4 hrs., drlg. plug and cement 1 1/4 hrs., drlg. 11 hrs., survey 1/4 hr., trip and survey 1 3/4 hrs.

Deviation record: 3/4° @ 734'
1 1/2° @ 1172'

Mud Properties: Vis 28, Wt. 8.8, W.L. 6cc, Cake trace

2-7-77 Drlg. 2280', Drlg. 23 1/4 hrs., Serv. rig 1/4 hr., Survey 1/2 hr.

Deviation record: 1 1/4° @ 1671'
1 1/4° @ 2170'

Mud Properties: Vis 29, Wt. 8.9, W.L. 6.2cc, Cake 1/32"

2-8-77 Drlg. 2951', Drlg. 23 1/2 hrs., Serv. 1/4 hr., Survey 1/4 hr.

Deviation record: 1° @ 2671'

Mud Properties: Vis 29, Wt. 9, W.L. 6cc, Cake 1/32"

2-9-77 Drlg. 3336', Drlg. 23 1/2 hrs., Serv. 1/4 hr., Surv. 1/4 hr.

Deviation record: 3/4° @ 3171'

Mud Properties: Vis 29, Wt. 8.9, W.L. 7.4cc, Cake 1/32"

2-10-77 Drlg. 3667', Drlg. 23 3/4 hrs., Serv. 1/4 hr.

Mud Properties: Vis 30, Wt. 9.0, W.L. 8.0cc, Cake 1/32"

DRILLING REPORT -CONTINUED

2-11-77 Drlg. 3892', Drlg. 20 1/4 hrs., Serv 1/4 hr., Trip and
serv. 3 1/2 hrs.

Deviation record: 3/4° @ 3741'

Mud Properties: Vis 45, Wt. 9.4, W.L.4.8cc, Cake 2/32"

2-12-77 TD, logged and ran casing