

WELL REPORT
ENERGY RESERVES GROUP, INC.
JICARILLA 35 #3
RIO ARriba COUNTY, NEW MEXICO

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ABSTRACT

The Energy Reserves Group: Jicarilla 35 #3 was spudded January 18, 1977. This test, in the Blanco Pictured Cliffs - South Otero Chacra Field, was drilled to a total depth of 3772 feet Logger and 3774 feet Driller in the Chacra Zone of Cretaceous age.

Rotary cuttings were examined by a geologist in the field from 2700 feet to 3774 feet. The well was logged by Dresser Atlas: IES w/Caliper (222' - 3772').

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

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ENERGY RESERVES GROUP: JICARILLA 35 #3
RIO ARriba COUNTY, NEW MEXICO

LOCATION

800° FNL and 1750° FEL, Section 2 - T24N - R5W

ELEVATION

6743° GL: 6756° KB

CONTRACTOR

Arapahoe Drilling Company
Toolpusher: Roy Shepard

SPUD AND COMPLETION DATA

Spud Date : January 18, 1977
Drill Out Date : January 19, 1977
Date TD Reached: January 23, 1977
TD Driller 3774': TD Logger 3772'

CASING

Surface : 8 5/8" @222° w/150 sxs
Production: 5 1/2" @3774° w/250 sxs

ELECTRICAL SURVEYS

Dresser Atlas: IES w/caliper (222° - 3774°)

FORMATION TOPS

<u>Tertiary</u>	<u>Depth</u>	<u>KB Datum</u>	<u>Thickness</u>
Tertiary Undivided	Surface	6756'	2230'
Ojo Alamo	2230'	4526'	175'

CRETACEOUS

Kirtland	2405'	4351'	126'
Fruitland	2531'	4225'	233'
Pictured Cliffs	2764'	3992'	86'
Lewis	2850'	3906'	750'
Chacra	3600'	3156'	Penetrtd 172'
TD Logger	3772'	2984'	
TD Driller	3774'		

WELL CUTTINGS

10' samples from 2700' to 3774'.

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	12 1/4"	OSC	222'	222'	3 1/4
2	Smith	17 7/8"	DTT	1082'	860'	14 1/4
3	Smith	7 7/8"	F-2	3774'	2692'	108 1/2

TOTAL ROTATING HOURS - 126

DEVIATION RECORD

<u>No.</u>	<u>Degree</u>	<u>Depth</u>
1	0°	222'
2	1/4°	733'
3	1 1/4°	1082'
4	1 1/4°	1876'
5	1°	2136'
6	1/2°	2637'
7	1/2°	3135'
8	1°	3774'

DRILLING RECORD

- 1-18-77 MIRT, Drld surface and set 8 5/8" csg @222° w/150 sxs cmt
Deviation: 0° @222°
Mud Properties: Vis 45, Wt 8.9
- 1-19-77 Drlg 1015', Drlg 13 1/4 hrs, WOC 3 hrs, Nipple-up 7 hts
Deviation: 1/4° @733°
Mud Properties: Vis 28, Wt 8.5, W.L. 6.8cc
- 1-20-77 Drlg 1950', Drlg 20 3/4 hrs, Serv 1/4 hr, Surv 1/4 hr,
Trip 1 1/4 hr, Repair 1 1/2 hr
Deviation: 1 1/4° @1082°
1 1/4° @1876°
Mud Properties: Vis 29, Wt 8.8, W.L. 7.0cc, Cake 1/32"
- 1-21-77 Drlg 2736', Drlg 22 1/2 hrs, Serv 1/4 hr, Repair 1 hr,
Surv. 1/2 hr
Deviation: 1° @2138°
1/2° @2637°
Mud Properties: Vis 30, Wt 9.0, W.L. 7.scc, Cake 1/32"
- 1-22-77 Drlg 3240', Drlg 23 1/2 hrs, Surv 1/4 hr, Serv 1/4 hr
Deviation: 1/2° @3135°
Mud Properties: Vis 30, Wt 9.0, W.L. 6.6cc, Cake 1/32"
- 1-23-77 Drlg 3640'. Drlg 23 3/4 hrs, Serv 1/4 hr
Mud Properties: Vis 38, Wt 9.1, W.L. 6cc, Cake 1/32"
- 1-24-77 Drlg 19 hrs, ran logs, ran casing