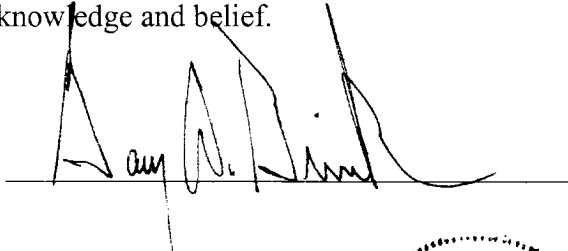


DEVIATION REPORT

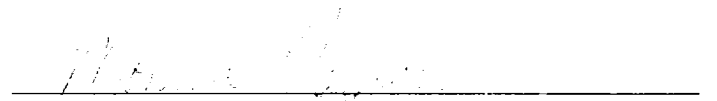
Name of Company Taurus Exploration U.S.A., Inc.		Address 2198 Bloomfield Highway, Farmington, NM 87401				
Lease Name & Number San Juan 30-4 Unit 41	Unit Letter O	Sec. 18		Tw 30N		Rge 4W
Pool and Formation Blanco MesaVerde/Basin Dakota		API Number 30-039-25937		County Rio Arriba		

<u>Depth (Ft.)</u>	<u>Deviation (Degrees)</u>
94	0.50
187	0.75
309	0.75
618	0.25
1523	0.75
2020	0.75
2430	1.00
2920	1.00
3450	0.75
3742	0.75
4233	0.75
4604	0.25
4924	0.50
5421	0.75
5920	1.00
6449	1.00
6945	1.00
7374	1.50
7404	2.00
7498	4.00
7537	1.75
7548	4.00
7600	3.25
7693	3.75
7787	3.75
7881	1.75
7973	1.00
7975	1.50
8069	1.50
8192	1.50
8391	1.50
8439	1.00
8722	1.00
8843	1.00

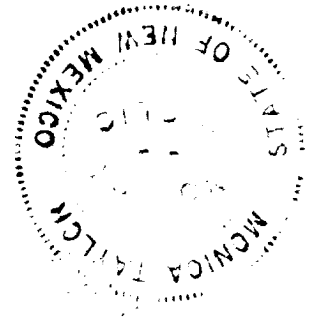
I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer for TAURUS EXPLORATION U.S.A., INC., am authorized by said Company to make this report; and that this report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

A handwritten signature in black ink, appearing to read "Amy M. Smith", is written over a horizontal line.

Subscribed and sworn to before me this 29th day of October, 1998.

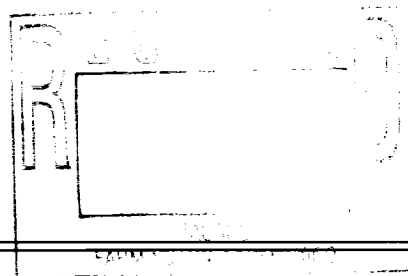


Notary Public in and for San Juan County, New Mexico
My commission expires: November 6, 2001





1675 Broadway Suite 1500
Denver, Colorado 80202
(303) 534-3223 Fax (303) 534-1822



Report of Sub-Surface Directional Survey

Energen Resources

Company

San Juan 30-4 #41

Well Name

Rio Arriba County, New Mexico

Location

Job Number

101227

Type of Survey

Single Shot

Date

September 19, 1998

Surveyed By

John Stringfellow

Office

Denver



1675 Broadway Suite 1500
Denver, Colorado 80202
(303) 534-3223 Fax (303) 534-1822

Survey Certification Sheet

Energen Resources

Company

101227

Job Number

September 19, 1998

Date

Sec.18-T30N-R4W

Lease

San Juan 30-4

Well Name

Rio Arriba County, New Mexico

County and State

Surveyed from a depth of 7,374 feet to 7,498 feet MD

Type of Survey Single Shot

Directional Supervisor/Surveyor John Strigfellow

The data and calculations for this survey have been checked by me and conform to the standards and procedures set forth by Baker Hughes INTEQ. This report represents a true and correct Directional Survey of this well based on the original data obtained at the well site. Wellbore Coordinates are calculated using minimum curvature.

Mike Grupa

Mike Grupa

Well Planner

This document has been subscribed and affirmed, or sworn to before me in the county of Denver, state of Colorado, this 1st day of October, 1998.

Joyce A. Baker My commission expires August 4, 2000

Certification Number: 1120

Certification Date October 01, 1998

ENERGEN RESOURCES
SEC.18-T30N-R4W

SAN JUAN 30-4
SLOT #1
RIO ARriba COUNTY
NEW MEXICO

S U R V E Y L I S T I N G

by
Baker Hughes INTEQ

Your ref : SINGLE SHOT SURVEY
Our ref : svy4680
License :

Date printed : 1-Oct-98
Date created : 1-Oct-98
Last revised : 1-Oct-98

Field is centred on n36 0 0.000,w107 0 0
Structure is centred on n36 0 0.000,w107 0 0

Slot location is n36 0 0.000,w107 0 0.000
Slot Grid coordinates are N 1820063.540, E 278155.922
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico Central (3002), Spheroid: Clarke - 1866
Reference North is True North

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
7300.00	0.00	0.00	7300.00	0.00 N	0.00	0.00
7374.00	1.50	189.00	7373.99	0.96 S	2.03	0.94
7404.00	2.00	194.00	7403.98	1.85 S	1.74	1.83
7498.00	4.00	168.00	7497.85	6.65 S	2.52	6.63
7548.00	4.00	168.00	7547.73	10.06 S	0.00	10.09
						Projection to Bit

All data is in feet unless otherwise stated.
 Coordinates from SLOT #1 and TVD from rotary table.
 Bottom hole distance is 10.09 on azimuth 176.19 degrees from wellhead.
 Vertical section is from wellhead on azimuth 176.19 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ

ENERGEN RESOURCES
SEC.18-T30N-R4W,SAN JUAN 30-4
RIO ARriba COUNTY,NEW MEXICO

SURVEY LISTING Page 2
Your ref : SINGLE SHOT SURVEY
Last revised : 1-Oct-98

Comments in wellpath

=====

Comment

Rectangular Coords.

MD TVD

7548.00 7547.73 10.06 S 0.67 E Projection to Bit

NO PROPOSAL