

30-045-28214



**Scientific
Drilling**

GYRO SURVEY REPORT

Prepared For:

**KOCH EXPLORATION
GARDNER C #3
SAN JUAN COUNTY, NM**



***Prepared By:
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Rocky Mountain District***

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Scientific Drilling SURVEY REPORT

Company: KOCH EXPLORATION	Date: 10/18/2003	Time: 11:22:33	Page: 1
Field: San Juan County, NM	Co-ordinate(N/E) Reference:	Site: Gardner C #3, True North	
Site: Gardner C #3	Vertical (TVD) Reference:	System: Mean Sea Level	
Well: C#3	Section (VS) Reference:	Well: (0.00N,0.00E,110.27Az)	
Wellpath: OH	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Survey #1	Start Date:	10/14/2003
SHL SEC.31,T32N,R8W		
Company: Scientific Drilling	Engineer:	Jon Valenzuela
Tool: Gyro,	Tied-to:	User Defined

Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	CLen ft	ChD ft	ChA deg
2742.0	0.00	0.00	2742.0	0.0	0.0	0.0	0.00	0.0	0.0	0.00
2806.5	3.13	14.65	2806.5	-0.2	1.7	0.4	4.85	64.5	1.8	14.65
2838.0	3.03	130.78	2837.9	0.5	2.0	1.3	16.59	31.5	2.4	33.00
2869.3	3.29	122.16	2869.2	2.2	1.0	2.7	1.73	31.3	2.9	70.03
3412.0	2.01	102.02	3411.3	26.8	-9.3	25.2	0.29	542.7	26.8	110.27



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KOCH EXPLORATION

Field: San Juan County, NM
Site: Gardner C #3
Well: C#3
Wellpath: OH
Survey: Survey #1

