

may 20, 2003

20-039-270 93

5/16/03

Jicarilla Apache Energy Corporation

JV 5 # 5

194'	Miss Run
254'	$\frac{3}{4}$
396'	$\frac{3}{4}$
630'	$\frac{3}{4}$
1080'	$\frac{1}{2}$
1590'	$1 \frac{1}{2}$
1788'	$1 \frac{1}{4}$
2073'	$1 \frac{1}{4}$
2357'	$1 \frac{1}{2}$
2751'	$\frac{3}{4}$
2980'	1
3400'	$1 \frac{1}{2}$
3671'	2
3920'	$\frac{3}{4}$
4261'	1
4669'	2
4951'	$1 \frac{1}{4}$
5422'	1
5926'	$\frac{3}{4}$
6329'	$1 \frac{1}{4}$
6700'	1
7074'	1
7545'	$1 \frac{1}{4}$

The above are the surveys taken on the above well drill by Bearcat Drilling, LLC

Gary Halliburton
Signed

5/16/03
Dated

This document was suscribed and sworn to before me by Gary Halliburton on this 16th day of May, 2003.

[Signature]
Notary Public

My commission expires:

March 18, 2007

