



August 28, 2007

DEVIATION REPORT

Well Name: ROSA UNIT #343A
Location: I SEC 26 T31N R05W
County, State: RIO ARriba COUNTY, NEW MEXICO
Formation: BASIN FRUITLAND COAL
API #: 30-039-30144

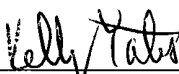
DEVIATION	DEPTH
1/2°	151'
3/4°	346'
1 1/2°	846'
1°	1861'
3/4°	2336'
1°	2843'
3/4°	3220'
3/4°	3422'

RCVD SEP 17 '07
OIL CONS. DIV.
DIST. 3

Tracy Ross
Production Analyst

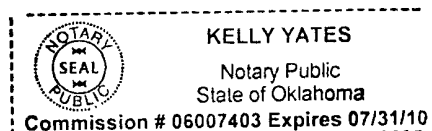
State of Oklahoma)
)
County of Tulsa) ss:

The foregoing instrument was acknowledged before me this 28th day of August 2007, by Tracy Ross.



Kelly Yates - 06007403

My Commission Expires: 07/31/10



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ROSA UNIT #343A BASIN FRUITLAND COAL

Location:

1830' FSL and 1195' FEL
NE/4 SE/4 Sec 26(1), T31N, R05W
Rio Arriba, New Mexico

Elevation: 6496' GR 6512' KB
API # 30-039-30144

Spud 06/18/07

Completed 08/24/07

1st Delivery 08/29/07

Top	Depth
Ojo Alamo	2686'
Kirtland	2804'
Fruitland	3106'
Pictured Cliffs	3337'

0.50". 4 SPF
200 holes total

3244' - 3274'

3311' - 3331'

Open hole from 6-1/4" to 9-1/2"
from 3220' to 3422'

7 jts 9-5/8", 36#, K-55, LT&C @ 340'

71 jts 7", 23#, J-55, LT&C @ 3210'

Liner top @ 3099'

103 jts 2-7/8", 6.5#, J-55 tbg @ 3298' as follows:
1/2" mule shoe, 1 jt tbg, 2.28" "F" nipple @ 3264'
& 102 jts tbg.

5 jts 5-1/2", 17#, N-80 @ 3099' - 3333'

TD @ 3422'
PBD @ 3331'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	188 sxs	265 cu.ft.	Surface
8-3/4"	7", 23#	625 sxs	1271 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

TR 09/11/07