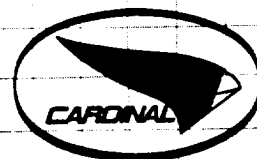


50' cement
50' plug

COMPANY D-m-S
LEASE & WELL NO. Backy Arroyo
FORMATION _____
COUNTY & STATE Eddy N.M.



CARDINAL SURVEYS COMPANY
"FLUID MOVEMENT SPECIALISTS"

P. O. BOX 74 BUS. (915) 683-8667
MIDLAND, TX 79702 563-4017

13 3/8 at 18' circulated to surface
Set 100' cement plug at 13 3/8 shoe
50' in 50' out

9 5/8 at 1797' circulated to surface

Set 100' cement plug at 9 5/8 shoe 50' in 50' out

cut a Puck 5 1/2 at T.O.C. set 100' cement plug 50' in 50' out
at 5 1/2 casing stub
T.O.C at 3320'

140' cement plug (4505 - 4365) TO CAP W.C. NO TAG.

C.I.B.P. at 6500' CAP w/ 35'
Perf. at 6563' - 6600'

C.I.B.P. at 8905 CAP w/ 35'

Perf. at 8956' - 9038'
5 1/2 at 9378'

AFTER

CONVERSION FACTORS

MULTIPLY	By	TO OBTAIN
Barrels	5.6146	Cubic Feet
Cubic Feet	7.4806	Gallons
Gallons	0.1337	Cubic Feet
Pounds/gal.	7.4806	Pounds/Cu. Ft.

PIPE VOLUMES

0.00545 x I.D. ² in inches =	Cu. Ft./Ft.
0.0407 x I.D. ² in inches =	Gals./Ft.
0.00097 x I.D. ² in inches =	Bbls./Ft.

HYDROSTATIC PRESSURE

FOR WATER:	
0.434 x Depth in Feet =	PSI.
FOR OTHER FLUIDS:	
0.434 x Depth x Sp. Gr. =	PSI.