

OPERATOR

API WELL # Well Name Well # Operator Name Type Stat County Surf_Owner UL Sec Twp N/S Rng W/E Feet NS Ft EW
Order_No 30-045-09892 HORSESHOE GALLUP UNIT 245 PLAYA MINERALS & ENERGY INC O A San Juan 14 30 N 16 W
1980 S 660 E SI 8 5/8 100 75S 5 1/2 1365 200S 2 3/8 1304 1288-1324

Procedure

MIRU, NUBOPE,

POOH Lay Down Rods & Tubing if present,

RIH with Gauge ring,

Pick up work string, Run Scraper if required,

RIH Set CIBP 1100 ', cap with 224 'cement .

Test casing.

POOH lay down tubing.

RU wire line RIH, perforate @ 150 ' + - 50' under surface casing shoe or Mesa Verde base whichever is lower..

Establish Circulation; circulate cement to surface inside and outside casing

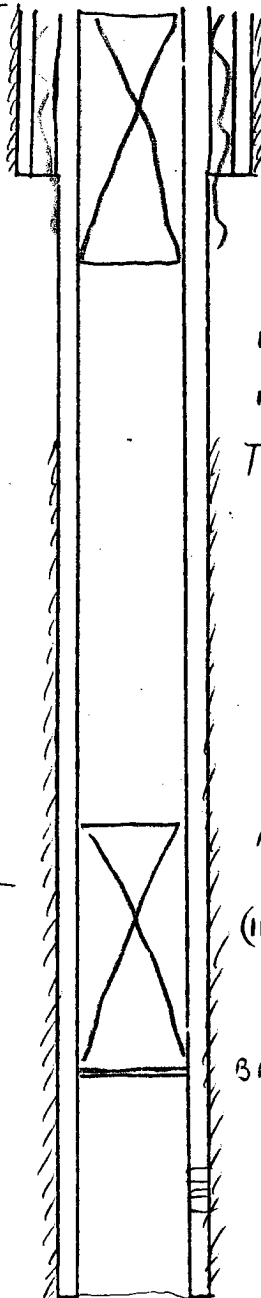
Cut off well head and install P&A marker

Cut off anchors 2' below ground

Clean and level location

WELL NAME 245 HGU
 SEC, TWN, RNG. 4, 30N, 16W

Manco



8 5/8" 24#

100'

150 - surface

$$\begin{aligned} 150 / 7.483 (1.18) &= 17 \text{ SKS} \\ 50 / 5.7719 (1.18) &= 7 \text{ SKS} \\ 100 / 5.192 (1.18) &= 16 \text{ SKS} \\ &= 40 \text{ SKS} \end{aligned}$$

TOC \approx 343' 75%

plug 1100' - 876'

$$(1100 - 876) \times 50 / 7.483 (1.18) = 31 \text{ SKS}$$

BP 1100'

1186' - 1300'

part @ 1300' - 1324'

5 1/2" 15.5#

1365'

SURFACE CASING

SIZE HOLE _____"
 SIZE CASING _____"
 Annular Volume _____ ft³/ft.
 Cement _____ SK
 Volume _____ ft³

INTERMEDIATE CASING

SIZE HOLE _____"
 SIZE CASING _____"
 Annular Volume _____ f
 Cement _____ S
 Volume _____ f

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON FIELD OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

Attachment to notice of

Re: Permanent Abandonment

Intention to Abandon:

Well: 245 Horseshoe Gallup Unit

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:

Office Hours: 7:45 a.m. to 4:30 p.m.