

ASPEN DRILLING CO.

DENVER
205 PETROLEUM CLUB BLDG.
AC 2-0906



ALBUQUERQUE
3010 MONTE VISTA BLVD., N. E.
AM 8-1606

February 1, 1960

*Will
file*

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re: Request for Approval of Multiple
Zone "Slim Hole" Completion

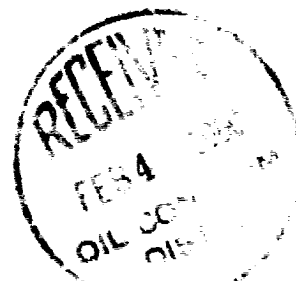
Gentlemen:

It is requested that a hearing be scheduled before an Examiner of the New Mexico Oil Conservation Commission for the promulgation of an order approving a multiple zone "slim hole" completion for the Johnston and Shear Jicarilla well #1-4. Well #1-4 is located 985' FWL, 805' FWL, Section 4, Township 24 North, Range 5 West, Rio Arriba County, New Mexico.

Attached is a schematic sketch reflecting the casing settings for the proposed completion. Surface casing 10-3/4" OD, will be set at 200' and cemented to surface. A 9-7/8" hole will be drilled from the base of the surface casing to approximately 3500'; an 8-3/4" hole will be drilled from 3500' to 5000'; and a 6-3/4" hole will be drilled from 5000' to total depth of 7100'.

Should the formations appear productive after logging, it is proposed to complete well #1-4 in three zones (either Pictured Cliffs or Chacra, Gallup and Dakota), using a separate production string of 2-7/8" OD casing for each formation. Each production casing string will be cemented separately, using sufficient cement to bring the cement top to approximately 600' above the shoe. Individual stimulation treatments will be performed on the three formations.

It is believed that this method of completion is efficient and will result in an ultimate recovery comparable to a conventional completion. There are no known corrosive or pressure problems in the area which would make the "slim hole" method of completion undesirable.



February 1, 1960

Well #1-4 is located outside the boundaries of any designated Dakota pool. However, the well will be an extension of the Otero-Gallup Pool, an extension to the Otero-Chacara Pool and within the limits of the South Blanco-Pictured Cliffs Pool.

As shown on the attached plat, operators holding acreage offsetting well #1-4 are Shelly Oil Company and Southern Union Gas Company. Copy of this application is being furnished each operator by registered mail.

Yours very truly,

JOHNSTON AND SHEAR

By: W. R. Johnston
W. R. Johnston, Partner

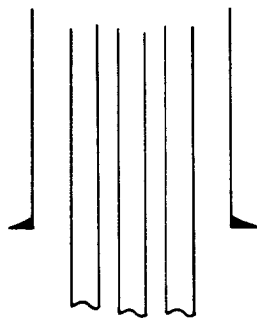
In duplicate.

WRJ:RP/jap
Enclosure

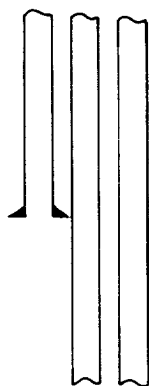
cc: Shelly Oil Company
Box 426
Farmington, New Mexico

Southern Union Gas Co.
Box 815
Farmington, N.M.

N. M. Oil Conservation Commission
1000 Rio Brames Road
Antec, New Mexico



10 $\frac{3}{4}$ " OD Casing at 200',
Cement to surface.



2 $\frac{7}{8}$ " OD Casing at 3100',
Cement to 2500'.



2 $\frac{7}{8}$ " OD Casing at 5900',
Cement to 5300'.



2 $\frac{7}{8}$ " OD Casing at 7100',
Cement to 6500'.

DIAGRAMATIC SKETCH OF PROPOSED
TRIPLE COMPLETION FOR JICARILLA
WELL # 1-4

JOHNSTON AND SHEAR
ALBUQUERQUE, NEW MEXICO

APPLICATION FOR TRIPLE COMPLETION
OF JICARILLA WELL # 1-4, IN
PICTURED CLIFFS, GALLUP & DAKOTA
FORMATIONS

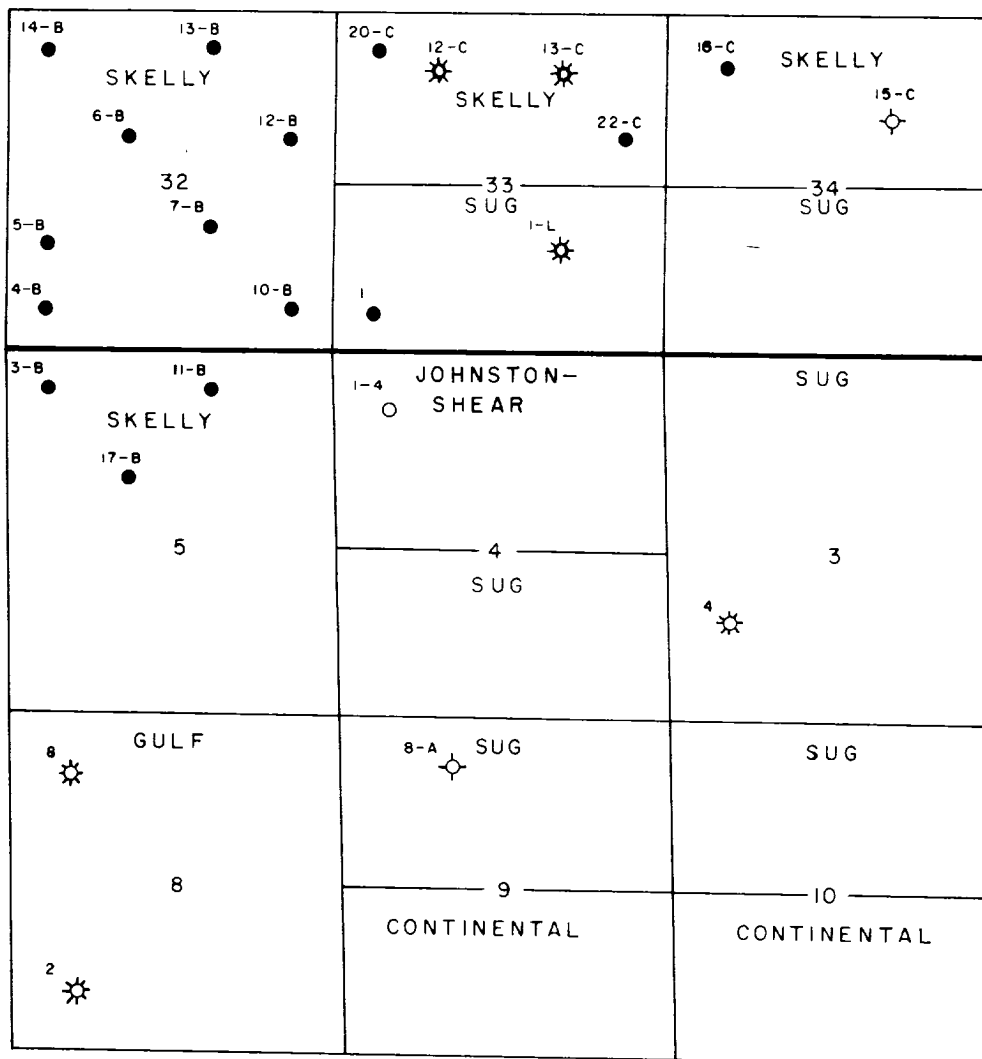
RIO ARriba COUNTY
NEW MEXICO

JICARILLA
CONTRACT # 10

Drawn: W.H. McGahey
Approved: R. Phillips

Scale: 400' = 1"
Date: 2-3-60

R 5 W



LOCATION AND OWNERSHIP PLAT FOR
FOR JICARILLA WELL # 1-4 IN
SEC. 4, T 24 N - R 5 W

JOHNSTON AND SHEAR
ALBUQUERQUE, NEW MEXICO

APPLICATION FOR TRIPLE COMPLETION
OF JICARILLA WELL # 1-4, IN
NW/4 NW/4 SEC. 4, T 24 N - R 5 W

RIO ARRIBA COUNTY
NEW MEXICO

JICARILLA
CONTRACT # 10

Drawn: W.H. McGahey
Approved: R. Phillips

Scale: 1" = 3000
Date: 2-3-60