

Study notes ok Smith

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MORRIS B. JONES
CONSULTING PETROLEUM ENGINEER
1223 BANK OF NEW MEXICO BLDG.
ALBUQUERQUE, NEW MEXICO 87102

January 14, 1980

Mr. Carl A. Barrick
Acting District Engineer
U. S. Geologic Survey
Box 1809
Durango, Colorado 81301

Dear Mr. Barrick:

This is an Addendum to our "Application for Permit to Drill, Deepen, or Plug Back" on Well No. NZ #3, Section 22, T6N, R3W, Valencia County, New Mexico.

1. The location, as determined by a registered surveyor, in feet and direction from the nearest section lines is 660' fnl and 2310' fw1.
2. The elevation above sea level of the unprepared ground is 5956'.
3. The surface formation is the Abo.
4. The type of drilling tools will be a rotary rig and associated equipment sufficient for drilling.
5. The proposed drilling depth is 3500' or depth sufficient to test the Pennsylvanian formation.
6. The estimated tops of important geologic markers are:

Pennsylvanian:	
Red Tanks	700'
Gray Mesa	1500'
Sandia	2500'
pre-Cambrian	3500'

7. The estimated depths at which anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are:

Pennsylvanian: Red Tanks 700', Gray Mesa 1500' and Sandia 2500'.



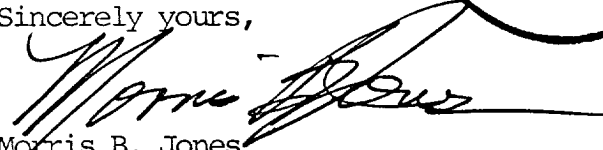
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Mr. Carl A. Barrick
January 14, 1980
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8. The proposed casing program is: 10 3/4" hole, 8 5/8" casing, H-32# per foot & 7 7/8" hole, 5 1/2" casing, K-14# per foot. New.
9. The proposed setting depth for surface casing is 200' with sufficient Class B cement to circulate. If production casing is run, it will be run to total depth and cemented with 200 sx Class B.
10. The specifications for pressure control equipment which is to be used is 10" Schaffer Double Gate Hydraulic BOP tested to 3000 psi and will be on the well during all drilling operations. Blowout preventer will be tested after surface casing is set and tested after each additional casing string setting.
11. The mediums to be employed for rotary drilling is a basic gel drilling fluid to be used from surface to total depth. No weighting material is anticipated.
12. Mud log units will be on the well during the entire drilling procedure and all significant oil and gas shows will be tested by using a drillstem test. No coring is anticipated. Electric logs will be run from bottom of surface pipe to total depth. The types of logs are the Induction SFL, the Compensation Neutron and the Formation Density.
13. No abnormal pressures or temperatures are expected to be encountered. No hydrogen sulfide gas is anticipated.
14. The anticipated starting date is February 1, 1980; the duration of drilling will be approximately twenty-five days.
15. There are no other facets of the proposed operation that we wish to bring to the Geological Survey's consideration of the application.

Sincerely yours,


Morris B. Jones



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MORRIS B. JONES
CONSULTING PETROLEUM ENGINEER
1223 BANK OF NEW MEXICO BLDG.
ALBUQUERQUE, NEW MEXICO 87102

February 1, 1980

Mr. Carl A. Barrick,
Acting District Engineer
U. S. G. S.
Box 1809
Durango, Colorado 81301

Dear Mr. Barrick:

This is an Addendum to the "Application for Permit to Drill, Deepen, or Plug Back" on the Reese and Jones well NZ #3, Section 22, Township 6 North, Range 3 West, Valencia County, New Mexico.

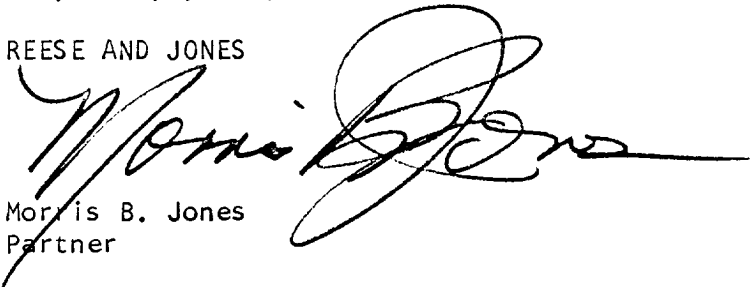
A schematic diagram of the blowout preventor to be used on this well with pressure rating and size is attached.

The testing procedure and testing frequency for this equipment is attached.

No abnormal conditions, pressure or temperatures are anticipated. Hazards of a gaseous nature can be handled by the blowout prevention equipment installed on this well.

Very truly yours,

REESE AND JONES


Morris B. Jones
Partner

Attachments

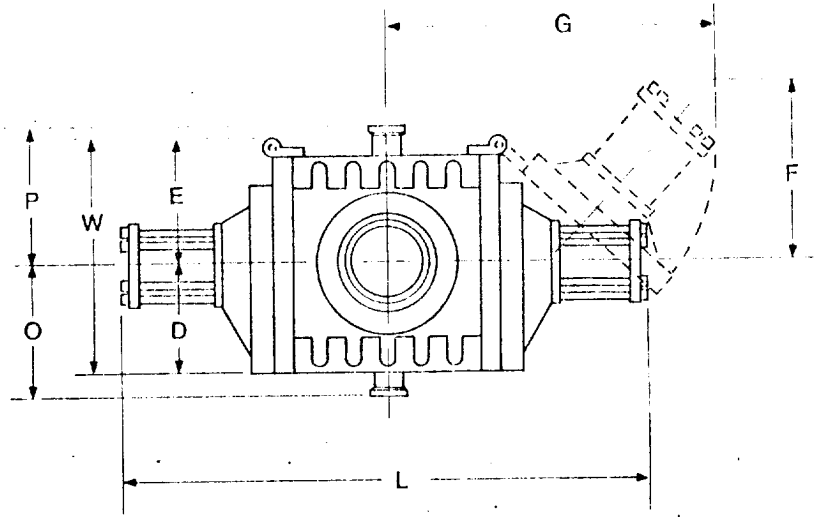


BLOWOUT PREVENTOR TESTING PROCEDURE

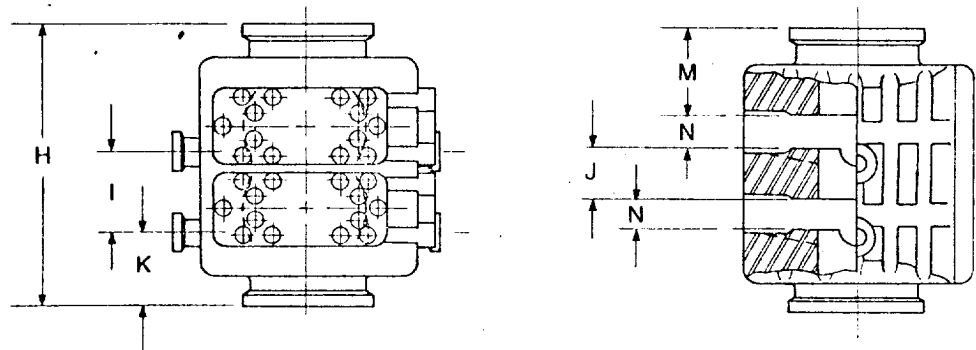
1. Surface casing will be set and cemented. Blowout preventor will be installed and tested to 1000 psig for thirty minutes.
2. During all operations, blowout preventor will be checked on a daily basis. Rams will be activated and hydraulic system checked.
3. Blind rams will be activated and checked on all trips.

RAM-TYPE BOP SPECIFICATIONS

DIMENSION DRAWINGS



DOUBLE



Shaffer Type SL BOP Specifications:

10" Test pressure 3000 psig.

10" Shaffer Type SL BOP with Hydraulic closing system.

Specifications:

Working pressure	3000 psig
Piston size	10 inches
Dimensions in inches:	
Length(L)	130
(F)	41
(G)	68
Width(W)	40
Height(H)	36
(K)	10
(M)	6 3/8
(N)	4 1/2
(O)	21 3/4
(P)	21 3/4

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