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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL ☐ DEEPEN ☐ PLUG BACK ☑

b. Type of Well
OIL WELL ☑ GAS WELL ☐ OTHER SINGLE ZONE ☑ MULTIPLE ZONE ☐

2. Name of Operator
Conoco Inc.

3. Address of Operator
P.O. Box 460, Hobbs, N.M. 88240

4. Location of Well
UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE
AND 1980 FEET FROM THE West LINE OF SEC. 20 TWP. 18S RGE. 37E NMPM

5A. Indicate Type of Lease
STATE ☐ FEE ☑

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Goodwin 30

9. Well No.
2

10. Field and Pool, or Wildcat
Goodwin Drinkard

12. County
Lea

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
	Clearfork or Bone Springs	—

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3750' GL			

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
NO	CHANGE	FROM	PRESENT		

It is proposed to plugback subject well & complete it as either a Clearfork or Bone Springs oil well.
See attachments for procedure & BOP specs.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Wm A. Rutledge Title Administrative Supervisor Date 3/10/80

(This space for State Use)

APPROVED BY Orig. Signed by John Runyan Geologist TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

GOODWIN 30 NO. 2

WELL DATA

LOCATION: 1980' FN & W Lines Sec. 20, T-18S, R-37E
ELEVATION: 3750' GL KB = 12' AGL
TOTAL DEPTH: 7600'
PBTD: CIBP @ 7450' w/35' cement on top
CASING: 11-3/4" @ 355' w/200 sx
8-5/8" @ 3200' w/150 sx
5-1/2" @ 7600' w/290 sx
TOC = 2300'
PRESENT STATUS: Drinkard perfs @ 7022', 26', 34', 92', 98', 7109' & 7112' (2 JSPF)
2-7/8" tubing @ 7152' w/SN @ 7121'
Tubing anchor @ 6935'

RECOMMENDED PROCEDURE

1. POOH w/tubing and tubing anchor.

2. GIH w/tubing and cement retainer. Set retainer @ ±7000' and squeeze perforations below (7022', 26', 34', 92', 98', 7109' & 7112') w/20 sx Class "C" cement. Spot 3-5 sx (35 ft.) cement on top of retainer.

3. Test cement squeeze to 500 psi. Spot 300 gallons 15% NE-HCl across the interval 6740'-6860'. POOH w/tubing.

4. Perforate 2 JSPF using 4" casing guns and 180° phase @: 6751', 56', 66', 70', 80', 89', 94', 6805', 6817', 37', 45'.

5. GIH w/tubing. Swab test. If productive, acidize w/1500 gal. 15% HCl w/silt suspension, iron sequestering and surfactant @ 3-5 BPM using one 7/8" ballsealer after every other barrel. Swab well and put on pump. If not productive, set a CIBP @ ± 6700' on wireline with 35' cement on top and prepare to perforate next zone.

6. Perforate 2 JSPF using 4" casing guns and 180° phase @ 6112'-16', 6118'-20', 6096'-99', 6070'-75', 6040'-50' & 6026'-30'.

7. GIH w/tubing and treating packer. Set packer @ ±6000'. Acidize with 1000 gallons 15% NE-HCl with additives @ 3-5 BPM using 150# of rock salt for a diverter.

8. Swab well. If productive put on pump. If not, prepare to test the next zone @ 5750'-5760'.

9. GIH w/tubing and CIBP. Set plug @ 5950' with 35' cement plug. Spot 4 bbls. 15% NE-HCl across interval 5750'-5900'. POOH.

10. Perforate 2 JSPF @ 5754', 5758', 5765', 5878', 5884', and 5888' using 4" casing guns.

11. Swab well. If oil is present, acidize with 1000 gallons 15% NE-HCl with additives and using 1 ballsealer every other barrel. Swab test. If non-commercial, set CIBP @ ±5700' w/35' cement plug and spot 2 bbls. of 15% NE-HCl across the interval 4660-4680'.

12. Perforate 2 JSPF using 4" casing gun @ 4664', 4671', 4674', & 4676'. Swab well. If oil is present, acidize as in step 11 above; if not, set a CIBP @ 4600' w/35' cement plug and prepare to P & A.

13. Circulate the hole with salt mud.

14. Spot a 100' (10 sx Class "C" cement) across 8-5/8" casing shoe position @ 3200'. Shoot 5-1/2" casing off @ 2300' (above TOC by temp. survey)

15. Spot 100' cement plug at base of salt @ ±2600', 100' plug at top of salt @ ±1500', and a 50' plug on the surface.

16. Install a 4' P & A marker and clean location.

Barghusi — 2-29-1980

Production Engineer — Date

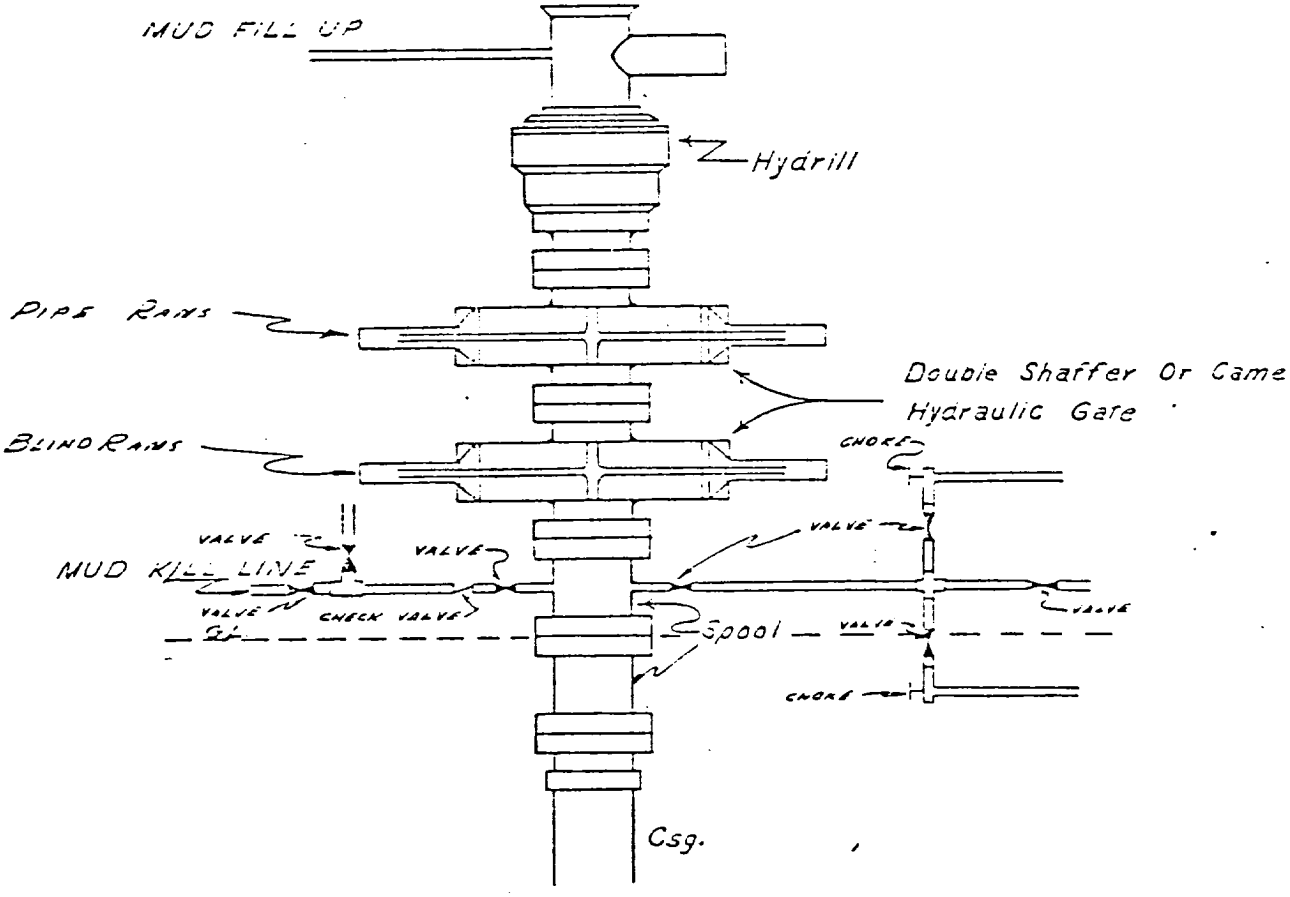
JRS 2/27/80

Division Engineer — Date

Drilling Superintendent — Date

dlb
cc: FILE, DLW, JFB (4), LRS, JAB, HCP, DLB

[redacted] OIL COMPANY
Blow-out Preventer Specifications



API Series 900

NOTE:

Manual and Hydraulic controls with closing unit no less than 75' from well head.
Remote controls on rig floor.

DUE TO SUBSTRUCTURE CLEARANCE,

HYDRILL [redacted] NOT [redacted] USED.