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 NEW MEXICO OIL & GAS COMMISSION
AUG 18 1978
O. C. C.
ARTESIA, OFFICE

30-015-22670
 Form C-101
 Revised 11-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5a. Initial to Type of Lease STATE ☐ REC ☒
b. Type of Well OIL ☐ GAS ☒ OTHER ☐		6. State Oil & Gas Lease No.
2. Name of Operator PERRY R. BASS ✓		7. Unit Agreement Name -----
3. Address of Operator BOX 2760, MIDLAND, TEXAS 79702		8. Farm or Lease Name Big Eddy Unit
4. Location of Well UNIT LETTER E LOCATED 1980 FEET FROM THE North LINE AND 660 FEET FROM THE West SIDE OF THE 31 TAP 21S W 28E		9. Well No. 65
10. Field or Locality Undesignated East Carlsbad Morrow		11. County Eddy
12. Proposed Casing and Cement Program		13. Location of Well 12000
14. Proposed Casing and Cement Program RKB 3132' Blanket - Current		15. Location of Well Morrow
16. Proposed Casing and Cement Program 12000		17. Location of Well Rotary
18. Proposed Casing and Cement Program 12000		19. Location of Well upon approval

SIZE OF HOLE	SIZE OF CASING	WEIGHT OF CEMENT	SETTING IN	PIPS	SACKS OF CEMENT	EST. TOP
15"	11 3/4"	42 lb	500		260	surface
11"	8 5/8"	24 & 28 lb.	3100		1050	surface
7 7/8"	5 1/2"	15.5 & 17 lb	12000		1250	8400'

BOP diagrams attached BEPCo. II and BEPCo. IV.

Gas is dedicated.

APPROVAL VALID
 FOR 90 DAYS UNLESS
 DRILLING COMMENCED,
 EXPIRES 11-28-78

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 H. D. Murty, Jr. Title Senior Production Clerk Date August 16, 1978
 (This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE AUG 28 1978
 CONDITIONS OF APPROVAL, IF ANY: Notify N.M.O.C.C. in sufficient time to witness cementing the 8 5/8" casing

Morrow

Indes. East Carlsbad Morrow

320

x 10¹⁰ unit

1. "The above is true" for the purpose of this [] is not to be taken as an admission of the validity of the foregoing statement.

Following this will be assigned the relative weights w_{ij} to the individual normalized quantities x_{ij} and the overall index I has been proposed by the American

CONCLUSION

[illegible]

Senior Drilling Engineer

Bass Enterprises Prod. Co

August 16, 1978

On the other side of the wall to the right is the place planted *leucaena* in the first survey made by me in 1946, and a second one and that there is a small pond next to the heart of my knowledge is based.

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

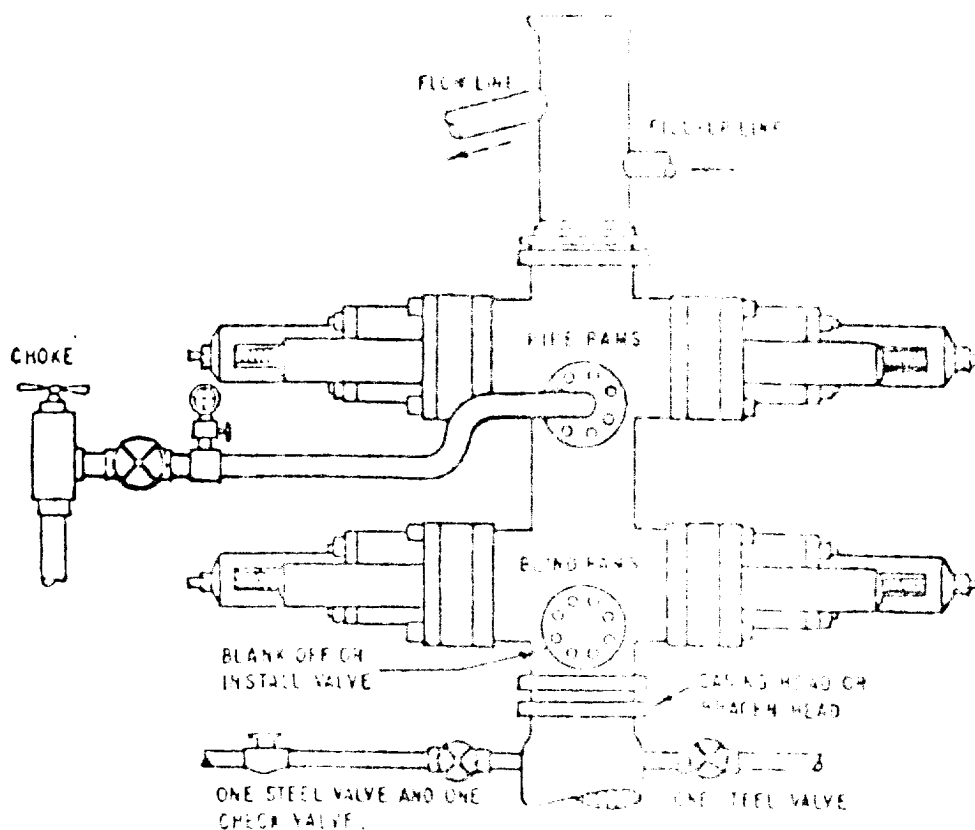
Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were cultured in YEA medium for 24 h and then adjusted to the concentration of 1×10^8 cells/ml. The cells were then mixed with the plant cells and cocultured for 24 h. The plant cells were then cultured in the selection medium for 2 weeks. The transformation efficiency was calculated as the number of transformants per 100 plant cells. The data are the mean $\pm$ SD of three independent experiments.

[illegible]

and the other is John W. West

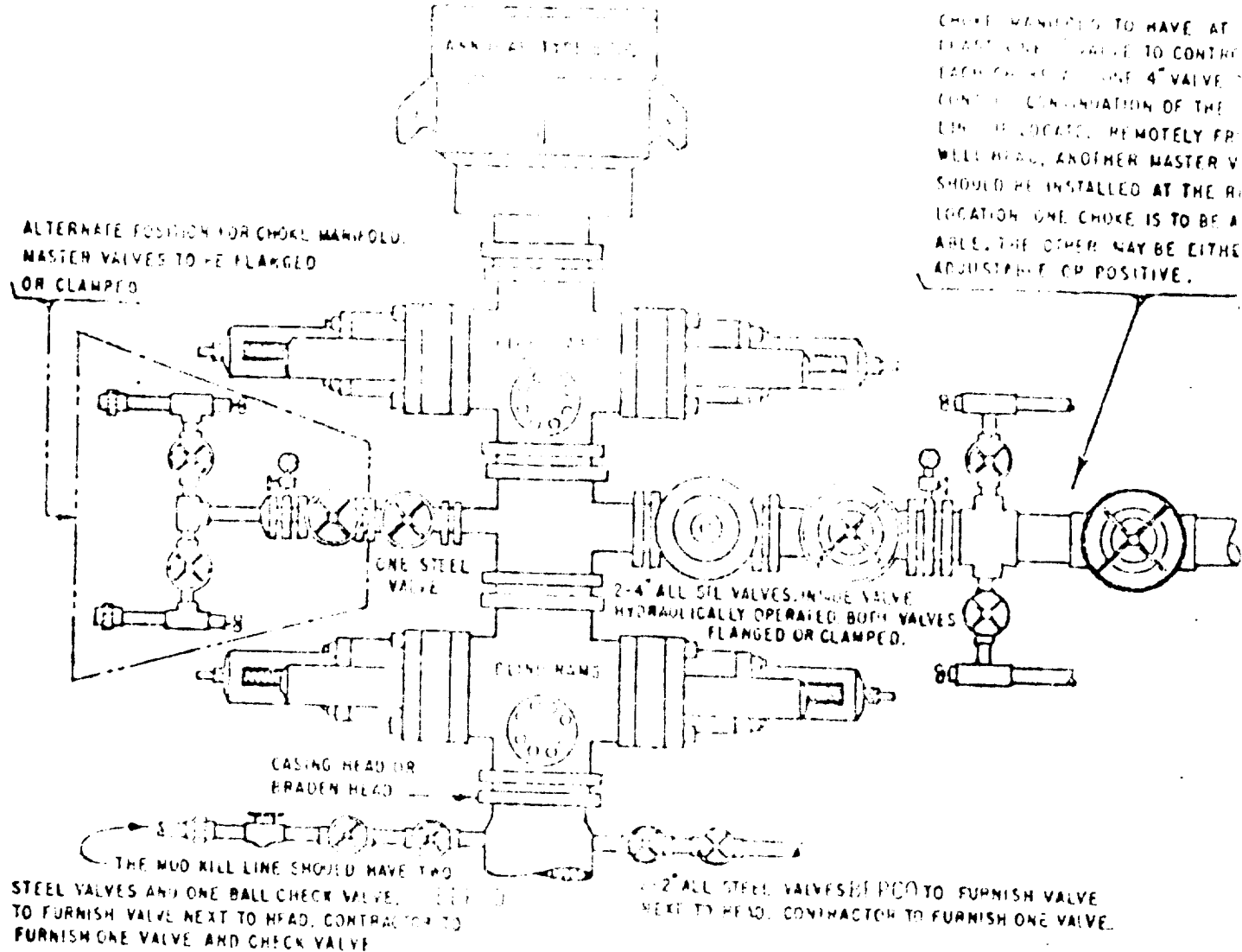
676 |

17-00000 32891



THE FOLLOWING CONSTITUTE MINIMUM BLOW-OUT PREVENTER REQUIREMENTS

- A. ONE DOUBLE GATE BLOWOUT PREVENTER WITH LOWER RAMS BLIND AND UPPER RAMS FOR PIPE, ALL HYDRAULICALLY CONTROLLED, OPENING OR PREVENTERS BETWEEN RAMS.
- B. OPENING TO BE FLANGED, STUDDED OR CLAMPED AND AT LEAST TWO INCHES DIAMETER.
- C. ALL CONNECTIONS FROM OPERATING MANIFOLD TO PREVENTERS TO BE ALL STEEL HOSE OR TUBE A MINIMUM OF ONE INCH IN DIAMETER.
- D. THE AVAILABLE CLOSING PRESSURE SHALL BE AT LEAST 15% IN EXCESS OF THAT REQUIRED WITH SUFFICIENT VOLUME TO OPERATE THE PREVENTERS.
- E. ALL CONNECTIONS TO AND FROM PREVENTERS TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE B.O.P.
- F. MANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CEMENT PLUG.
- G. VALVE TO CONTROL FLOW THROUGH DRILL PIPE TO BE LOCATED ON RIG FLOOR.
- H. CHOKE MAY BE EITHER POSITIVE OR ADJUSTABLE (choke spoon) may be used between rams.



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- CONDITIONS MAY BE MET BY AN ANNULAR TYPE BLOWOUT PREVENTER ON TOP AND A CHOKER SPOOL BELOW AND EITHER:
 - TWO RAM TYPE BLOWOUT PREVENTERS BELOW THE SPOOL, THE LOWER UNIT CONTAINING BLIND RAMS AND THE UPPER UNIT CONTAINING PIPE RAMS, OR
 - A DUAL BLOWOUT PREVENTER BELOW THE SPOOL WITH BLIND RAMS ON BOTTOM AND PIPE RAMS ON TOP.
- OPENING ON CHOKER SPOOL TO BE FLANGED, STUDDED OR CLAMPED.
- ALL CONNECTIONS FROM OPERATING MANIFOLDS TO PREVENTERS TO BE ALL STEEL HOSE OR TUBE A MINIMUM OF ONE INCH IN DIAMETER.
- THE AVAILABLE CLOSING PRESSURE SHALL BE AT LEAST 10% IN EXCESS OF THAT REQUIRED WITH SUFFICIENT VOLUME TO OPERATE THE BOP.
- ALL CONNECTIONS TO AND FROM PREVENTER TO HAVE A WORKING RATING EQUIVALENT TO THAT OF THE BOP'S.
- MANUAL CONTROLS TO BE INSTALLED BEFORE CEMENTING WELL.
- KELLY COCK TO BE INSTALLED ON KELLY.
- INSIDE BLOWOUT PREVENTER TO BE AVAILABLE ON RIG FLOOR.
- DUAL OPERATING CONTROLS ONE LOCATED BY OPERATING POSITION AND THE OTHER LOCATED A SAFE DISTANCE FROM THE RIG FLOOR.

API CO. IV

THREE CLOSURE HYDRAULIC BLOWOUT PREVENTERS