

Drawer DD
Artes. **IM 88210**
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other In copies on
reverse side)Form approved.
Budget Bureau No. 42-R1425.

30-015-24084

5. LEASE DESIGNATION AND SERIAL NO.

nm-02918

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Big Eddy Unit

8. FARM OR LEASE NAME

Big Eddy Unit

9. WELL NO.

94

10. FIELD AND POOL OR WILDCAT

Eddy Undesignated

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 20 T21S, R29E

12. COUNTY OR PARISH 13. STATE

Eddy New Mexico

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

Perry R. Bass

3. ADDRESS OF OPERATOR

P.O. Box 2760 Midland, Texas 79702

FEB 4 1982

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

1980' FNL & 660' FWL Sec. 20, T21S, R29E

O.C.D.

ARTESIA, OFFICE

At proposed prod. zone
Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10 miles NE of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

13,300'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

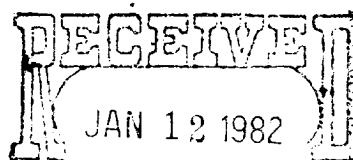
3301.5' GL.

22. APPROX. DATE WORK WILL START*

Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	11 3/4"	42	500'+	400 sxs Circ. to Surface
11"	8 5/8"	32	2950'+	1250 sxs Circ. to Surface
7 7/8"	5 1/2"	17	TD	900 sxs Est. TOC @ 9200'+

Drilling Procedure, BOP Diagrams, formation tops and
surface use plans are attached.Gas is dedicated.OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICOPosted ID-1
API + NL Book
2-5-82

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Stephen D. Smith

TITLE

Engineering Assistant

DATE

January 7, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVED BY

CONDITIONS OF APPROVAL

FEB 12 1982

JAMES A. GILLHAM
DISTRICT SUPERVISORAPPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

PERRY R. BASS		BIG EDDY UNIT		94
E	20	21 SOUTH	22 EAST	EDDY
NORTH		660	WEST	
3301.5	Morrow	Eddy Undesignated		320

Outline the acreage dedicated to the subject well by colored pencil or barbed marks on the plat below.

If more than one lease is dedicated to the well, outline each and indicate the ownership thereof (both as to working interest and royalty).

If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force pooling, etc.?

Unit

X Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which must actually be dedicated to the reverse side of this form if necessary.

Now due will be assigned to the well until all interests have been consolidated by communitization, unitization, force pooling, or otherwise or until a non-standard unit eliminating such interests has been approved by the Commission.

CERTIFICATION

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

Stephen Smith

Stephen Smith

Engineering Assistant

Perry R. Bass

January 5, 1982

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

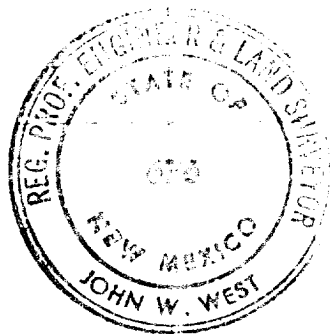
Date approved

12-31-81

Signature of Registered Professional Engineer or Registered Surveyor

John W. West

Certificate No.	JOHN W. WEST	676
	PATRICK A. ROMERO	6868
	Ronald J. Eidson	3239



DRILLING PROCEDURE

BIG EDDY UNIT # 94

Location: 1980' FNL & 660' FWL, Sec. 20, T21S, R29E.

Conductor Casing: 40' + of 16" conductor casing will be set with a rat-hole machine and cemented to the surface with readi-mix.

Surface Hole: A 15" OH will be drilled to 500' + (Rustler Anhydrite) and 11-3/4" 42#/ft H-40 casing run to total depth. The surface casing will be cemented with 400 sx Class "C" plus 2% CaCl_2 . Cement must be circulated to the surface.

Total WOC time is 8 hours.

Nippling up 11-3/4" Casing: After waiting 4 hours "nipping up" procedures may begin. An 11-3/4" SW 3000# WP x 12" 3000# RJT casing head will be welded in place. A set of hydraulic operated pipe and blind rams will then be installed. (See BEPCO Drawing III attached) and tested to 1000 psi with the rig pump.

The results of this test must be reported in the daily drillers' log.

Intermediate Hole: An 11" OH will then be drilled to 2950' + (B/Lamar Lime). 8-5/8" casing will be run to total depth and cemented with 1000 sx of Halliburton "Light" cement tailed in with 250 sx Class "C" plus 2% CaCl_2 . Cement must be circulated to the surface.

Total WOC time for this casing string will be 12 hours.

Nippling up 8-5/8" Casing: After waiting 4 hours "Nipping Up" procedures may begin. The 11-3/4" casinghead will be removed and a 8-5/8" SW 5000# WP x 12" 5000# WP RJT casinghead installed.

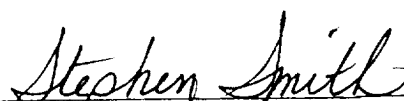
A BOP stack consisting of hydrill, pipe rams, and blind rams will be installed as per BEPCO Drawing IV (attached). This BOP stack will be hydro-statically tested to 5000 psi (hydril 1500#) by Yellow Jacket. The USGS will be notified in sufficient time to witness the testing of the 8-5/8" BOP stack. A copy of the test results will also be furnished to the USGS.

The results of this test will be recorded in the daily drillers' log.

Production Hole: A 7-7/8" OH will then be drilled to TD (13,100' +). A PVT recorder, flow-show sensor and rotating head will be installed before drilling the Wolfcamp.

5 1/2" casing will then be run to TD. This casing string will be cemented with 900 sx Class "H" plus 5# KCl per sack. The cement volume should be sufficient to bring the cement top 1000' above the Wolfcamp.

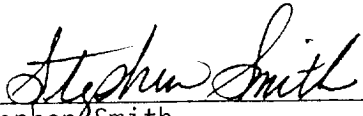
Time: This well is estimated to take 52 days from spud to TD.


Stephen Smith

BIG EDDY UNIT #94

Anticipated Formation Tops (GL 3300' est)

T/Salt	500'±	(+2800'±)
B/Salt	2,200'±	(+1100'±)
T/Delaware Group	2,900'±	(+ 400'±)
T/Bone Spring	6,750'±	(-3450'±)
T/Wolfcamp	10,170'±	(-6870'±)
T/Strawn	11,350'±	(-8050'±)
T/Atoka	11,580'±	(-8280'±)
T/Middle Morrow	12,500'±	(-9200'±)
T/Lower Morrow	12,850'±	(-9550'±)
T/Barnett	13,000'±	(-9700'±)


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CASING DESIGN

BIG EDDY UNIT NO. 94

SURFACE CASING

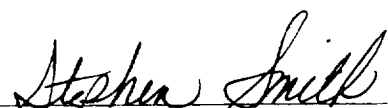
<u>Segment</u>	<u>Size</u>	<u>Grade</u>	<u>Thread</u>	<u>Weight</u>	<u>Top</u>	<u>Bottom</u>	<u>Length</u>
1	11-3/4"	H-40	ST&C	42#	0'±	500'±	500'±

INTERMEDIATE CASING

<u>Segment</u>	<u>Size</u>	<u>Grade</u>	<u>Thread</u>	<u>Weight</u>	<u>Top</u>	<u>Bottom</u>	<u>Length</u>
1	8-5/8"	K-55	ST&C	32#	0'±	2950'±	2950'±

PRODUCTION CASING

<u>Segment</u>	<u>Size</u>	<u>Grade</u>	<u>Thread</u>	<u>Weight</u>	<u>Top</u>	<u>Bottom</u>	<u>Length</u>
1	5-1/2"	S-95	LT&C	17#	9640'±	13100'±	3460'±
2	5-1/2"	N-80	LT&C	17#	330'±	9640'±	9310'±
3	5-1/2"	N-80	Buttress	17#	0'±	330'±	330'±

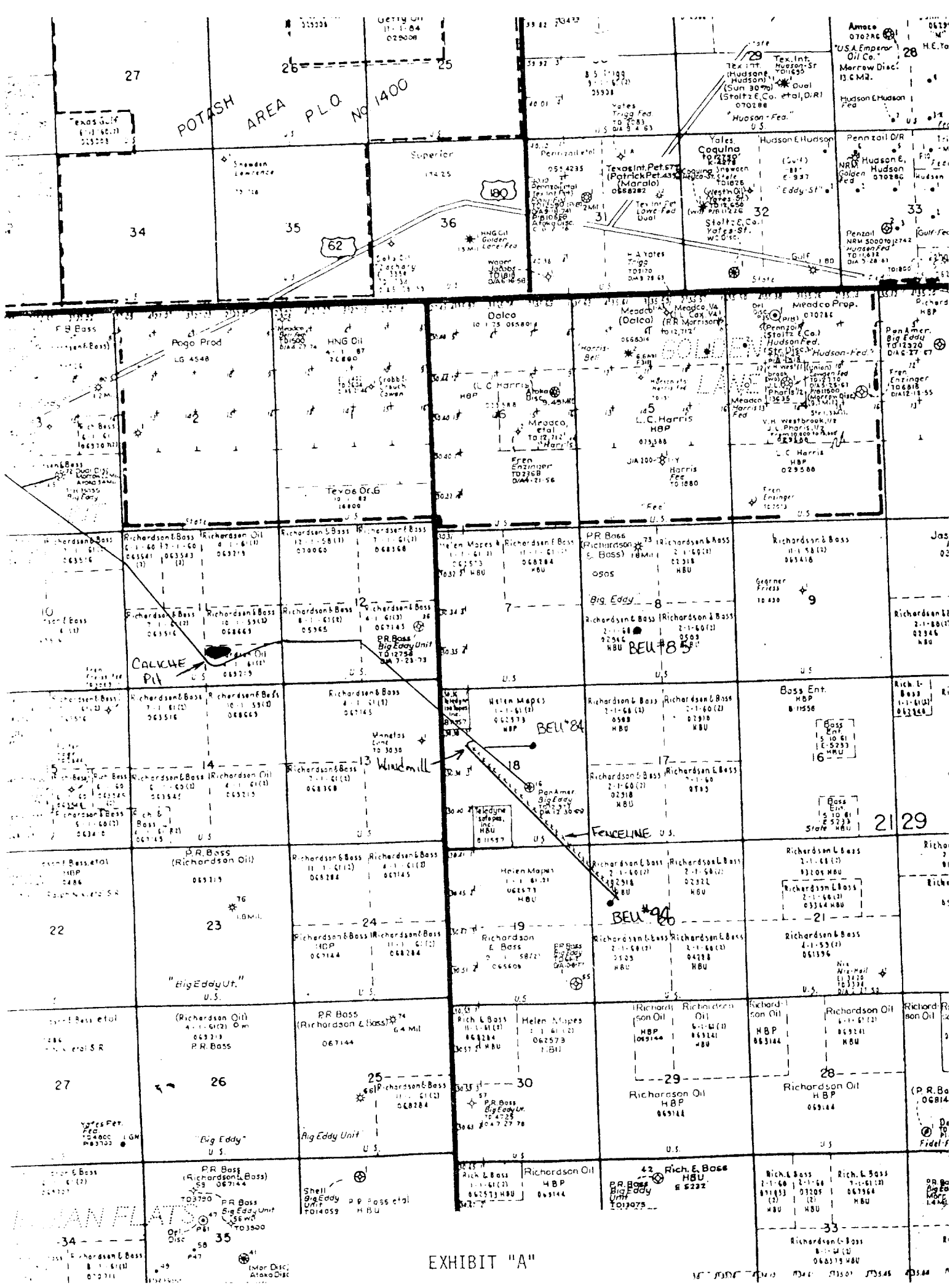

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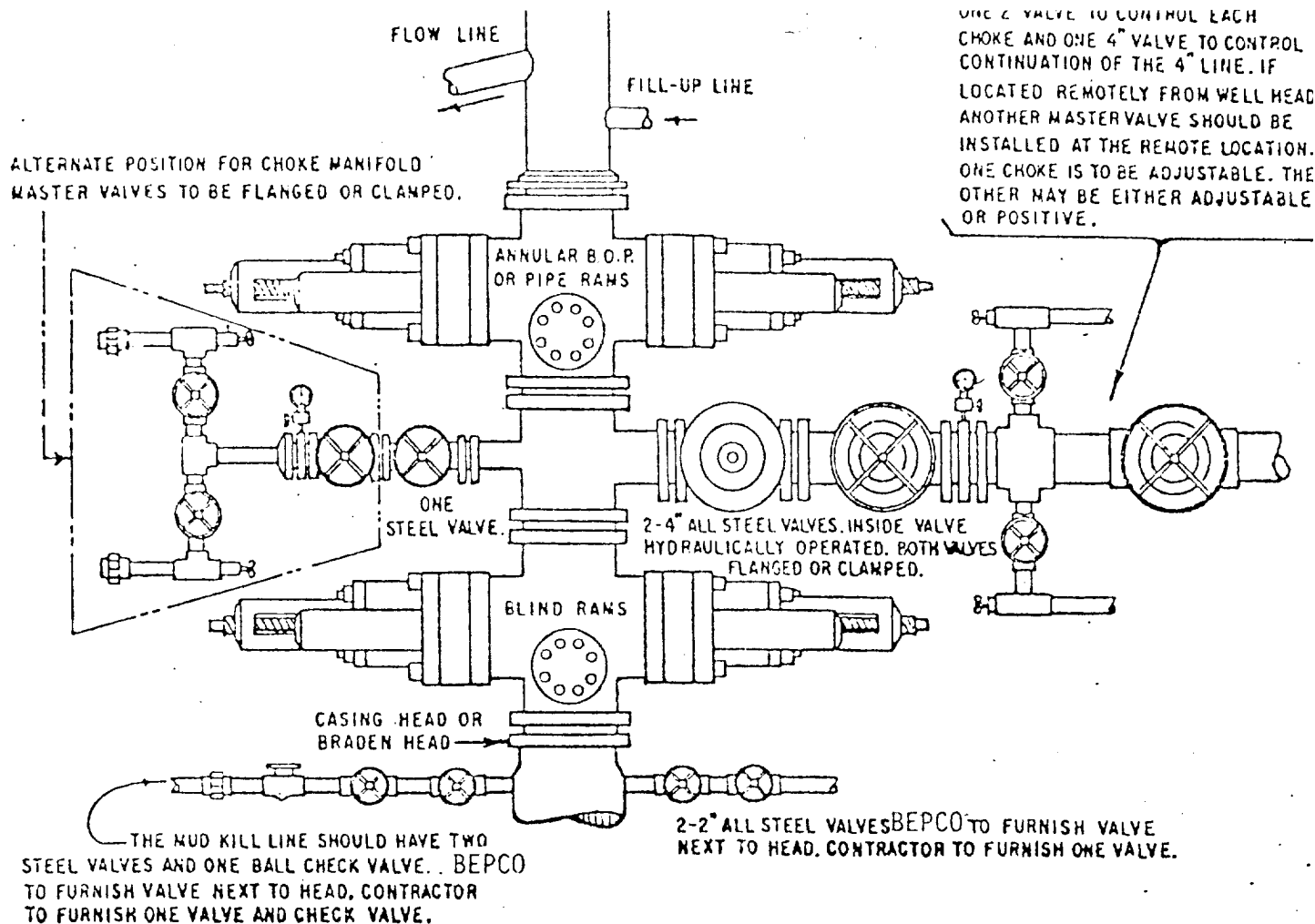
BIG EDDY UNIT NO. 94

MUD PROGRAM

FROM	TO	TYPE FLUID	WEIGHT	VISCOSITY	% OIL	WATER LOSS
0' ±	500' ±	FW Gel	8.4 - 8.6	34 - 40	0	NC
500' ±	2950' ±	BW	10.0	28 - 34	0	NC
2950' ±	9900' ±	FW	8.4 - 8.6	28 - 34	0	NC
9900' ±	11200' ±	BW	10.0	28 - 34	0	NC
11200' ±	11600' ±	BW	10.3	28 - 34	0	NC
11600' ±	TD	BW Polymer	11.5	34 - 40	0	15cc

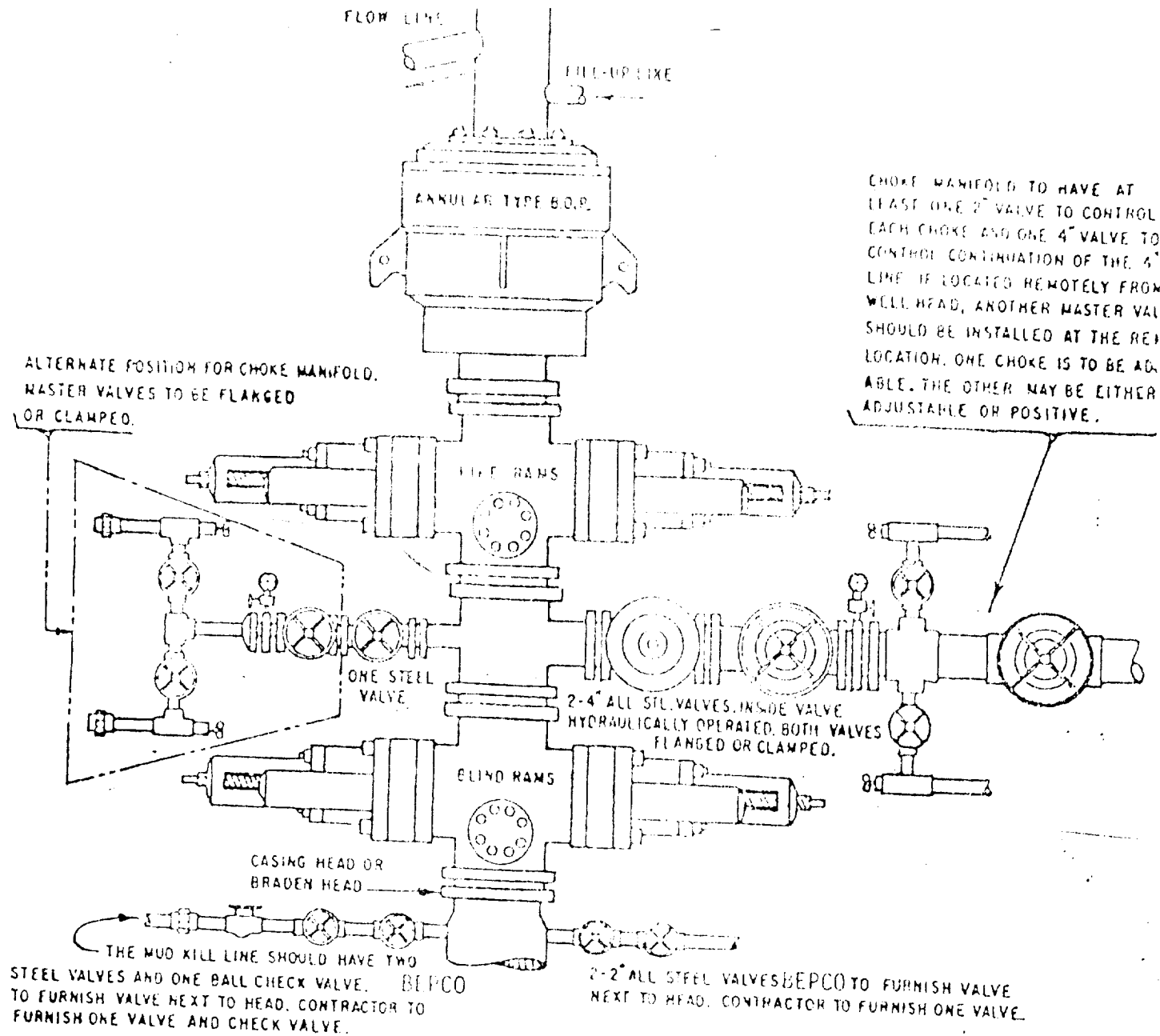

Stephen Smith





THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. CONDITIONS MAY BE MET BY EITHER
 - (1) AN ANNULAR BLOWOUT PREVENTER ON TOP AND BLIND RAMS BELOW WITH A CHOKE SPOOL BETWEEN THEM.
 - (2) PIPE RAMS ON TOP AND BLIND RAMS BELOW WITH A CHOKE SPOOL BETWEEN THEM.
 - (3) A DUAL BLOWOUT PREVENTER WITH PIPE RAMS ON TOP AND BLIND RAMS BELOW WITH A SIDE OUTLET BETWEEN THE RAMS AT LEAST FOUR INCHES DIAMETER.
- B. OPENINGS BETWEEN RAMS TO BE FLANGED, STUDDED OR CLAMPED.
- 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 B.O.P.'s.
- E. ALL CONNECTIONS TO AND FROM PREVENTERS TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE B.O.P.'s.
- F. MANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CEMENT PLUG.
- G. KELLY COCK TO BE INSTALLED ON KELLY.
- H. INSIDE BLOWOUT PREVENTER TO BE AVAILABLE ON RIG FLOOR.



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. CONDITIONS MAY BE MET BY AN ANNULAR TYPE BLOWOUT PREVENTER ON TOP AND A CHOKE SPOOL BELOW AND EITHER
 - (1) TWO RAM TYPE BLOWOUT PREVENTERS BELOW THE SPOOL, THE LOWER UNIT CONTAINING BLIND RAMS AND THE UPPER UNIT CONTAINING PIPE RAMS, OR
 - (2) A DUAL BLOWOUT PREVENTER BELOW THE SPOOL WITH BLIND RAMS ON BOTTOM AND PIPE RAMS ON TOP.
- B. OPENING ON CHOKE SPOOL TO BE FLANGED, STUDDED OR CLAMPED.
- C. ALL CONNECTIONS FROM OPERATING MANIFOLDS 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 B.O.P.'S.
- E. ALL CONNECTIONS TO AND FROM PREVENTER TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE B.O.P.'S.
- F. MANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CEMENT PLUG.
- G. KELLY COCK TO BE INSTALLED ON KELLY.
- H. INSIDE BLOWOUT PREVENTER TO BE AVAILABLE ON RIG FLOOR.
- I. DUAL OPERATING CONTROLS ONE LOCATED BY DRILLERS POSITION AND THE OTHER LOCATED A SAFE DISTANCE FROM THE RIG FLOOR.

BEPCO IV

THREE CLOSURE HYDRAULIC BLOWOUT PREVENTERS