AMENDED: To record completion proposal detail

Form 9-331C
(May 1963)

N. M. O. C. C. COPY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
Room 711 Phillips Bldg., Odessa, Texas 79760

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1980' FS and W Lines (Unit K)
At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
NM 0275360

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
---

7. UNIT AGREEMENT NAME
---

8. FARM OR LEASE NAME
Drag-B

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Carlsbad, South (Morrow)-Gas

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
18, 23-S, 27-E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
6 miles south of Carlsbad, New Mexico

12. COUNTY OR PARISH: Eddy
13. STATE: New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
660	320	320
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
	12,000	rotary

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

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
17-1/2"	13-3/8"	48#	350'	400 sx. Circulate.
11"	8-5/8"	32#	5400'	Cover Delaware zone.
7-7/8"	5-1/2"	17#, 20#	T.D.	Sufficient to cover all productive intervals.

Hydraulically operated BOP equipment. Propose Series 900 (Diagram is Attachment No. 1) from surface to 5400', Series 1500 (diagram is Attachment No. 2) from 5400' to total depth.
Mud Program: Proposal is detailed as Attachment No. 3.
Completion Program: Morrow formation - perforate between 11,500-11,700', acidize and test for completion.

See Plat attached to original Form 9-331-C dated April 3, 1972. This form amended to detail BOP, mud and completion proposals.

RECEIVED
APR 13 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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 W. J. Mueller TITLE Senior Reservoir Engineer DATE 4-12-72

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
APR 13 1972
R. L. BEEKMAN
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES JUL 13 1972

*See Instructions On Reverse Side

DELAWARE BASIN

CEMENT BEHIND THE 13 3/8" CASING MUST BE CIRCULATED

NEW MEXICO OIL CONSERVATION COMMISSION

W' . LOCATION AND ACREAGE DEDICATI PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
Phillips Petroleum Company	Drag-B	1

Unit Letter	Section	Township	Range	County
K	18	T-23-S	R-27-E	~~Lea~~ Eddy, New Mexico

Actual Footage Location of Well:
1980' feet from the south line and 1980 feet from the west line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
later	Morrow - gas	Carlsbad, South (Morrow) Gas Undd	~~320~~ 317.63 Acres

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

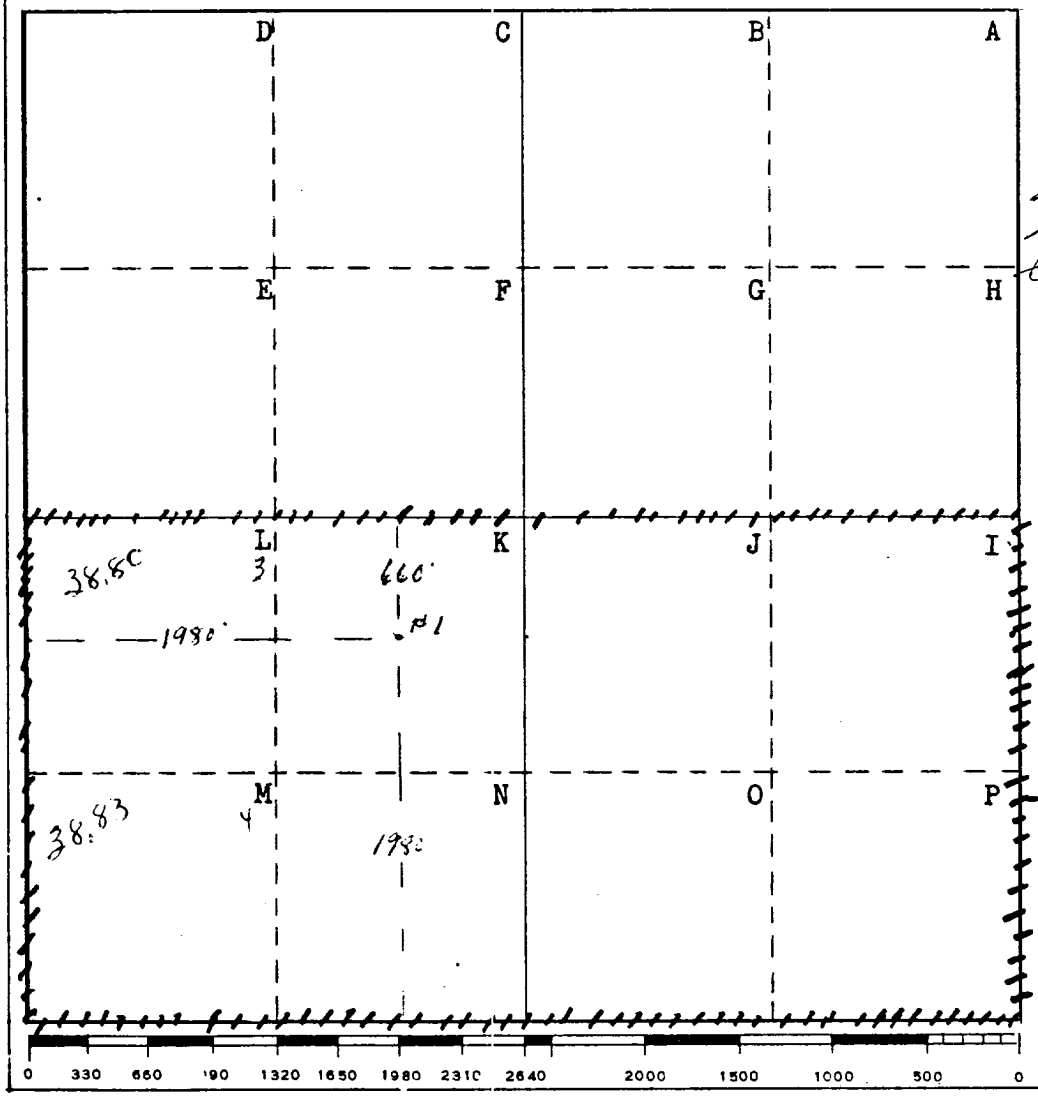
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. 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?

☐ Yes ☐ No If answer is "yes," type of consolidation —

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) —

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-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.

Name
W. J. Mueller

Position
Senior Reservoir Engineer

Company
Phillips Petroleum Company

Date
April 3, 1972

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 Surveyed
3-28-72

Registered Professional Engineer and/or Land Surveyor

LaVern B. Terrell

Certificate No.
1608

N. M. O. C. C. COPY

Form 9-331 C
(May 1963)

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(Other instructions on reverse side)

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b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

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3. ADDRESS OF OPERATOR: Room 711, Phillips Building, Odessa, Texas 79760

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At proposed prod. zone:

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

7. UNIT AGREEMENT NAME: --

8. FARM OR LEASE NAME: Drag-B

9. WELL NO.: 1

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11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 18, T-23-S, R-27-E

12. COUNTY OR PARISH: Eddy

13. STATE: N. Mexico

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11"	8-5/8"	32#	5400'	Cover Delaware zone
7-7/8"	5-1/2"	17#, 20#	T.D.	Sufficient to cover all productive intervals.

BOP Series 900 to 5400'
Series 1500# from 5400' to T.D.
Hydraulically operated.

Use mud additives as required for control.

RECEIVED
APR 7 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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24.
SIGNED W. J. Mueller TITLE Senior Reservoir Engineer DATE April 3, 1972

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

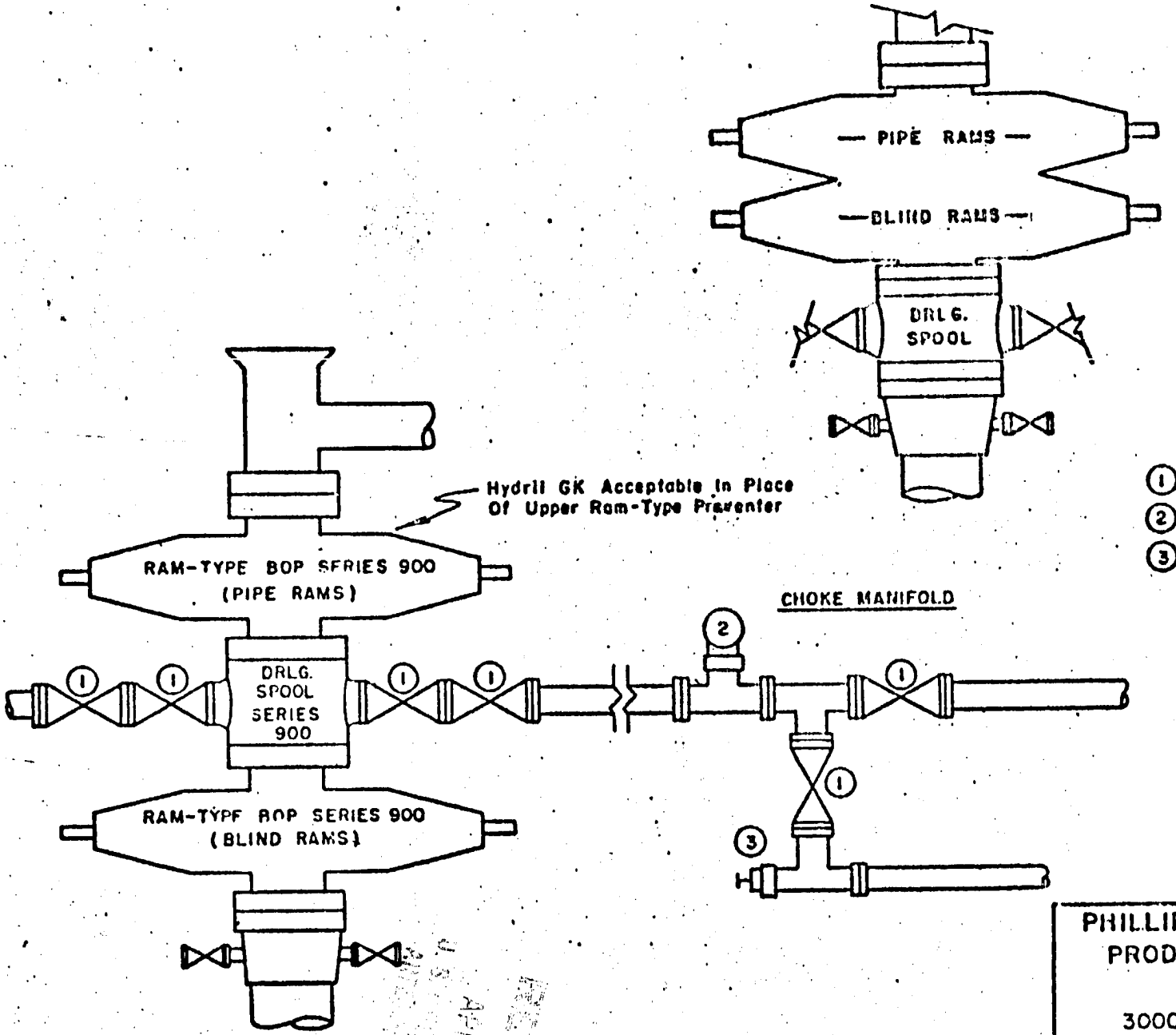
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Orig - BLM. 1 - Attachment No. 1

ALTERNATE HOOKUP FOR DOUBLE PREVENTERS



① 2" SERIES 900 VALVE
② 2" MUD PRESSURE GAUGE
③ 2" SERIES 900 CHOKE

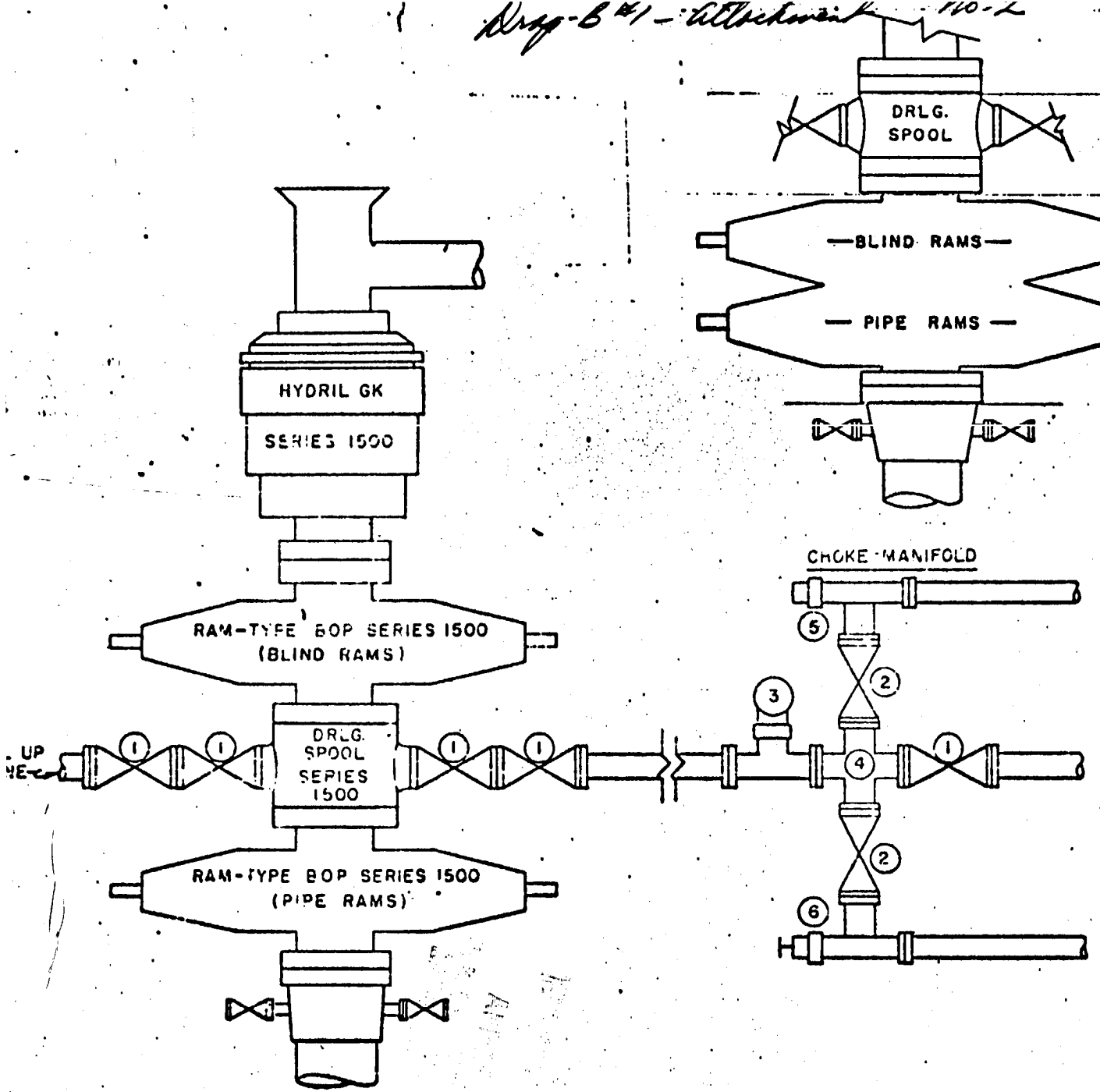
PHILLIPS PETROLEUM COMPANY
PRODUCTION DEPARTMENT

3000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP

(SERIES 900 FLANGES OR BETTER)

Dwg-B #1 - Attachment #10-2

ALTERNATE HOOKUP FOR DOUBLE PREVENTERS



1. 3" SERIES 1500 VALVE
2. 2" SERIES 1500 VALVE
3. 2" MUD PRESSURE GAUGE ON 3"X 3"X 2" SERIES 1500 STEEL TEE
4. 3" SERIES 1500 X 2" SERIES 1500 STEEL CROSS
5. 2" SERIES 1500 POSITIVE CHOKE
6. 2" SERIES 1500 ADJUSTABLE CHOKE

PHILLIPS PETROLEUM COMPANY
PRODUCTION DEPARTMENT

5000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP

(SERIES 1500 FLANGES OR BETTER)

REV. 2/4/59

Reg-B 61 - Attachment #3

Surface 350' of 13-3/8 Casing.

Spud with lime, bentonite and Flosal* mixed to a high viscosity to assure a clean hole for running of casing.

Intermediate Casing 5,400' of 8-5/8". Good Samples Required from 1,800' to TD.

Drill out with fresh water while circulating through controlled section of the reserve pit. Maintain pH control with lime as needed. Prior to making trips, flush hole by mixing 5 or 6 sacks of Flosal rapidly in suction pit. In case of bad seepage or loss of returns, continue to dry drill. Prior to reaching casing point, raise viscosity to 34 to 36 sec. per quart out to assure a clean hole for running of casing. Use Flosal and salt water clay to raise viscosity.

Below Intermediate to 9,500'.

Drill out with fresh water and circulate through the reserve pit. Mix Flosal as needed for samples and to keep hole clean.

From 9,500' to 10,600'.

Displace hole with 10 lb. brine and maintain weight from 10.3 to 10.5 lbs. per gal. Mix Flosal as needed for good samples and to keep hole clean.

From 10,600' to 11,800' TD.

Return to steel pits and treat out total hardness with soda ash. Then mix Flosal, Drispac*, and Soltex* as needed to maintain the following mud properties: Weight, 10.3 to 10.5 lbs. per gal.; viscosity, 34 to 38 sec.; and fluid loss, 20 cc's or less. These mud properties may be adjusted should hole conditions dictate. In case of loss, mix LCM as needed.

Special Production Practices.

Mud logging unit at 9,500'. Drill steam tests--Wolfcamp-1, Strawn-1, Atoka-1, and Morrow-2. Open hole logs at TD.

Any deviations from this program must be approved by Phillips Area Superintendent and Drilling Specialties Company with a note advising the District Manager of any changes.

*A trademark.