



United States Department of the Interior **RECEIVED**

GEOLOGICAL SURVEY

JAN 8 1974

P. O. Drawer 1857
Roswell, New Mexico 88201

O. C. C.
ARTESIA, OFFICE

January 7, 1974

Phillips Petroleum Company
Room 711, Phillips Building
Odessa, Texas 79761

Gentlemen:

Your amended Application for Permit to Drill well No. 1 James "D" in the SE1/4 sec. 26, T. 21 S., R. 30 E., N.M.P.M., Eddy County, New Mexico, lease New Mexico 0417023, to change the total depth from 6,000 to 13,800 feet to test the Morrow formation in the Potash Area, is hereby approved, subject to the Deep Well Control Requirements attached.

Copies of the Application are returned herewith. Please notify the District Engineer of the Artesia District in sufficient time for a representative to witness all cementing operations. The office phone number is Area Code 505-746-4841 and the mailing address is: U. S. Geological Survey, Post Office Box U, Artesia, New Mexico, 88210.

Sincerely yours,

CARL C. TRAYWICK
Acting Area Oil & Gas Supervisor

Attachment

cc:

Washington

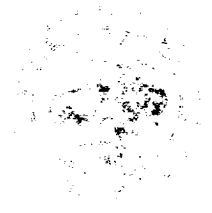
Mining Branch (2)

✓ MDOC-Artesia (2) (w/2 cys Notice)

Artesia (w/cy Notice)

Roswell (2) (w/cy Notice)

Roswell (Chrono.)



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UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY N. M. O. C. C. CORP.

30-015-20934
5. LEASE DESIGNATION AND SERIAL NO.
NM 0417023

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
Phillips Petroleum Company ✓

3. ADDRESS OF OPERATOR
Room 711, Phillips Bldg., Odessa, Texas 79761

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.)
At surface 660' FS & 1980' FW lines (Unit N)
At proposed prod. zone

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. 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. 13,800'
19. PROPOSED DEPTH 13,800'
20. ROTARY OR CABLE TOOLS rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3227' GR
22. APPROX. DATE WORK WILL START*
in progress

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	65#	400'	Sufficient to circ at surface
15"	10 3/4"	61.68#	3700'	Sufficient to circ at surface
9 1/2"	7 5/8"	26.4, 29.7#	11,300'	Sufficient to cover productive intervals
6 3/4"	5 1/2" liner	20#	Total depth	Sufficient to circ around liner

Mud program - see attached

Blowout Preventors: Series 900 to 3700'; Series 1500 to TD (sketches attached)

(Land use proposals, road sketches, area plats submitted with original filing.
(Drilling now in progress on original proposal of 6000' test; this amendment is to
(record change in projected total depth, formation, and in casing program below 3700'.
Drill site is located in Federally defined potash mining area, not in Rule 111-A area.)
Potash lease ownership is:

Teledyne Potash
Box 101, Attn: Mr. James Walls
Carlsbad, New Mexico 88220

Kerr-McGee Corporation
Kerr McGee Center, McGee Tower
Oklahoma City, Okla. 73102

Copy this filing mailed to potash lease owners this date.

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JAN 8 1974

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 1-2-74

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE JAN 7 1974 DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
BOSWELL, NEW MEXICO
SUBJECT TO ATTACHED DEEP WELL CONTROL
REQUIREMENTS DATED JUN 22 1973

WELL LOCATION AND ACREAGE DEDICATION AT
 AMENDED to change projected total depth to 13,800' and to change acreage dedication.
 Original permit approved. Distances must be from the outer boundaries of the Section. 8-20-73 on TD 6000'

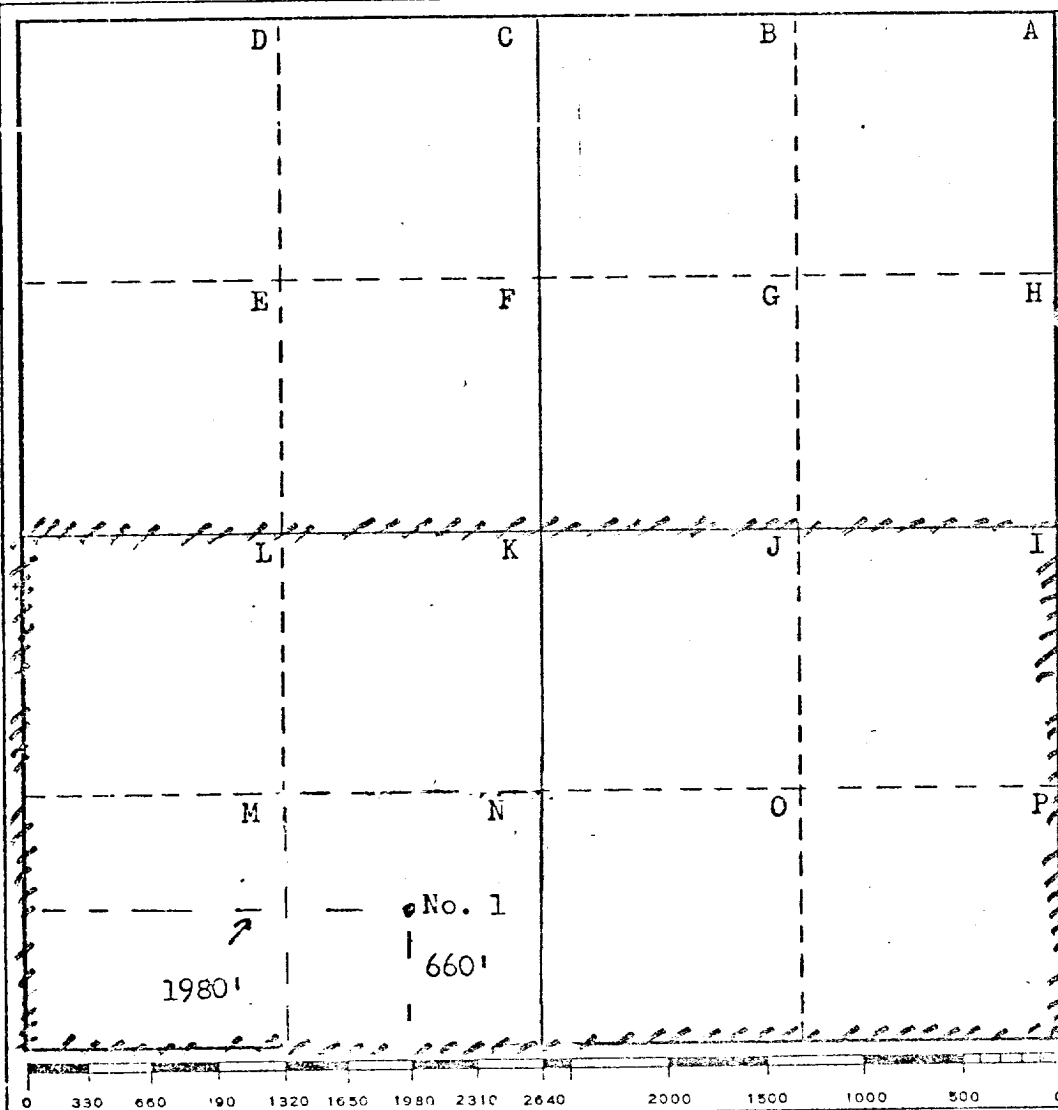
Operator Phillips Petroleum Company		Lease James-D		Well No. 1	
Unit Letter N	Section 26	Township 21-S	Range 30-E	County Eddy	
Actual Footage Location of Well: 660 feet from the south line and 1980 feet from the west line					
Ground Level Elev. 3227' GR	Producing Formation Morrow - gas		Pool Cabin Lake Morrow		Dedicated Acreage: 320 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
January 2, 1974

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
7-31-73
 Registered Professional Engineer and/or Land Surveyor

John W. West
 Certificate No.
676

PHILLIPS PETROLEUM COMPANY

Proposed Mud Program - James D No. 1, Cabin Lake (Morrow) test.
Section 26, T-21-S, R-30-E, Eddy County, New Mexico.

0 - 400':

Drill out with Flosal* bentonite and lime mixed to a high viscosity. Maintain sufficient viscosity to assure running of casing.

400' - 3700':

Stay in steel pits and saturate system with potash salt. Keep system super saturated. Prior to reaching casing point mix Flosal* as needed to assure a clean hole for running of casing.

3700' - 11,300'

Drill this interval with fresh water. Maintain viscosity with Flosal* to keep hole clean and to obtain adequate samples. Control weight with fresh or brine water additions. Should water loss control be necessary, reduce WL to 20 cc or less with Drispac*.

11,300' to Total Depth

Drill with brine water, Drispac* and Flosal* mud. Use Barite if weight over 10.3#/gal. is desired. Should loss occur, use LCM as needed.

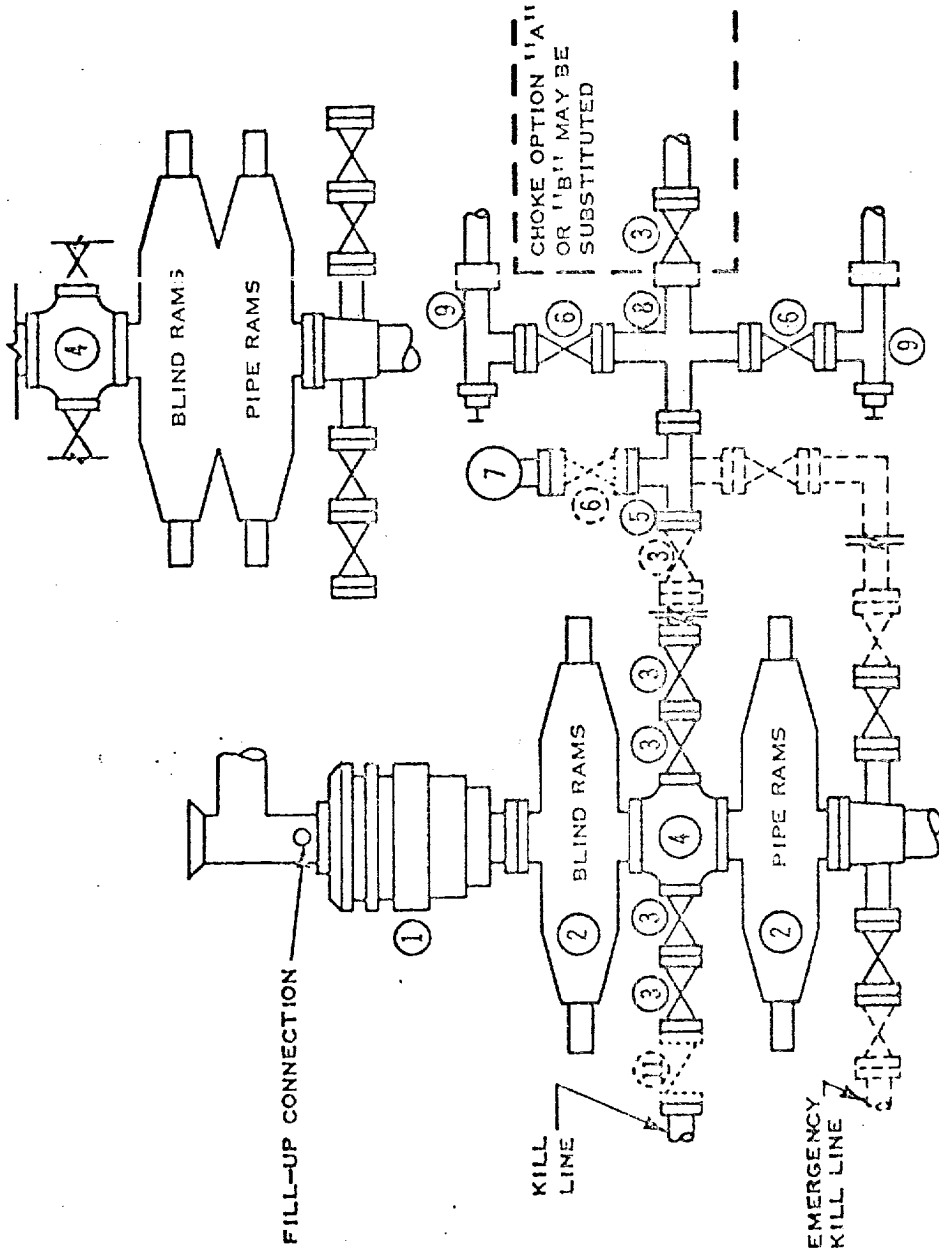
Special Production Practices:

Good samples surface to T.D. Possible DST's in Strawn - 1, Atoka - 1.

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

DOUBLE PREVENTER OPTION



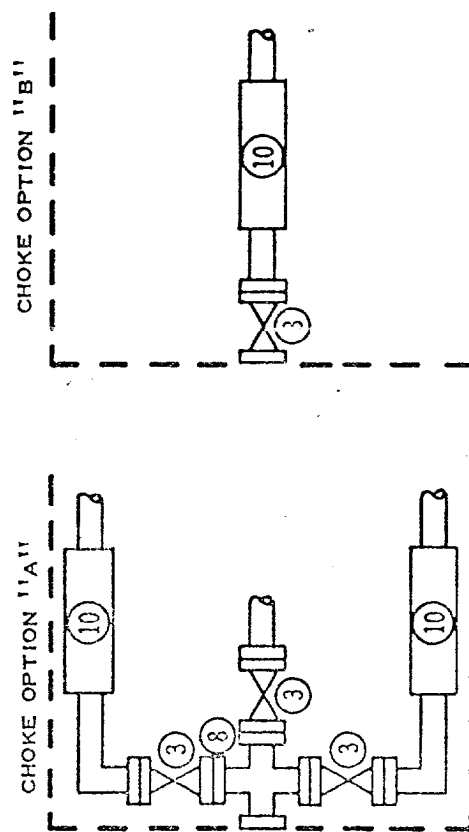
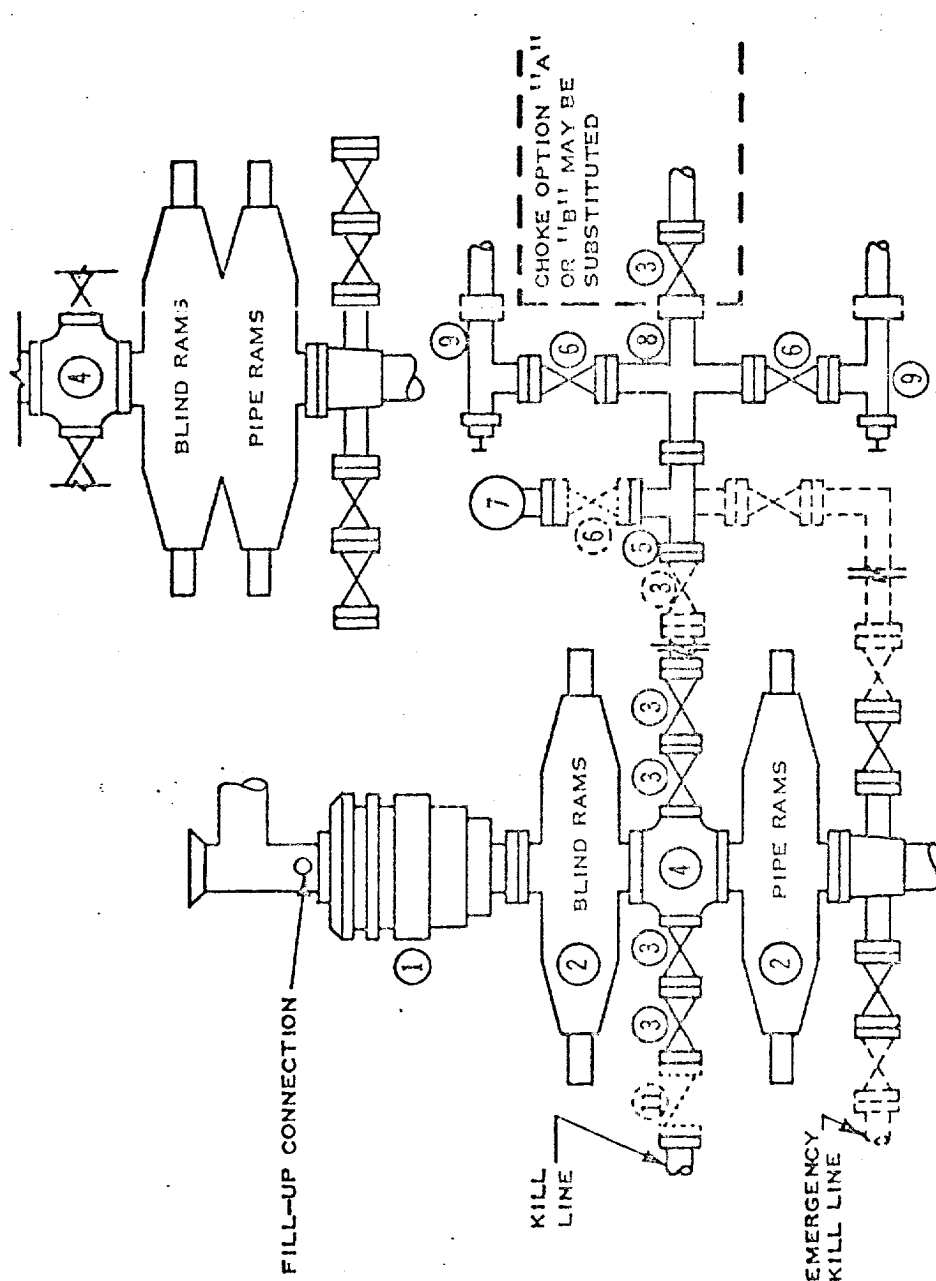
NOTES:

1. 3000 PSI WP OR BETTER CLAMP HUBS MAY BE SUBSTITUTED FOR FLANGES
2. ONE ADJUSTABLE CHOKE MAY BE REPLACED WITH A POSITIVE CHOKE
3. VALVES MAY BE EITHER HAND OR POWER OPERATED BUT, IF POWER OPERATED, THE VALVES FLANGED TO THE BOP RUN MUST BE CAPABLE OF BEING OPENED AND CLOSED MANUALLY OR CLOSE ON POWER FAILURE AND BE CAPABLE OF BEING OPENED MANUALLY

..... OPTIONAL EQUIPMENT

PHILLIPS PETROLEUM COMPANY
3000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP
(SERIES 900 FLANGES OR BETTER)

DOUBLE PREVENTER OPTION



- 1 SER. 900 HYDRIL "GK"
- 2 SER. 900 RAM-TYPE BOP
- 3 3" SER. 900 VALVE
- 4 SER. 900 DRILLING SPOOL
- 5 3" SER. 900 X 2" SER. 900 STEEL TEE
- 6 2" SER. 900 VALVE
- 7 2" MUD PRESSURE GAUGE
- 8 3" SER. 900 X 2" SER. 900 STEEL CROSS
- 9 2" SER. 900 ADJ. CHOKE
- 10 HYDRAULIC CHOKE, 2500 PSI WP OR BETTER
- 11 3" SER. 900 CHECK VALVE

NOTES:

1. 3000 PSI WP OR BETTER CLAMP HUBS MAY BE SUBSTITUTED FOR FLANGES
2. ONE ADJUSTABLE CHOKE MAY BE REPLACED WITH A POSITIVE CHOKE
3. VALVES MAY BE EITHER HAND OR POWER OPERATED BUT, IF POWER OPERATED, THE VALVES FLANGED TO THE BOP RUN MUST BE CAPABLE OF BEING OPENED AND CLOSED MANUALLY OR CLOSE ON POWER FAILURE AND BE CAPABLE OF BEING OPENED MANUALLY

..... OPTIONAL EQUIPMENT

PHILLIPS PETROLEUM COMPANY

3000 PSI WORKING PRESSURE

BLOWOUT PREVENTER HOOK-UP

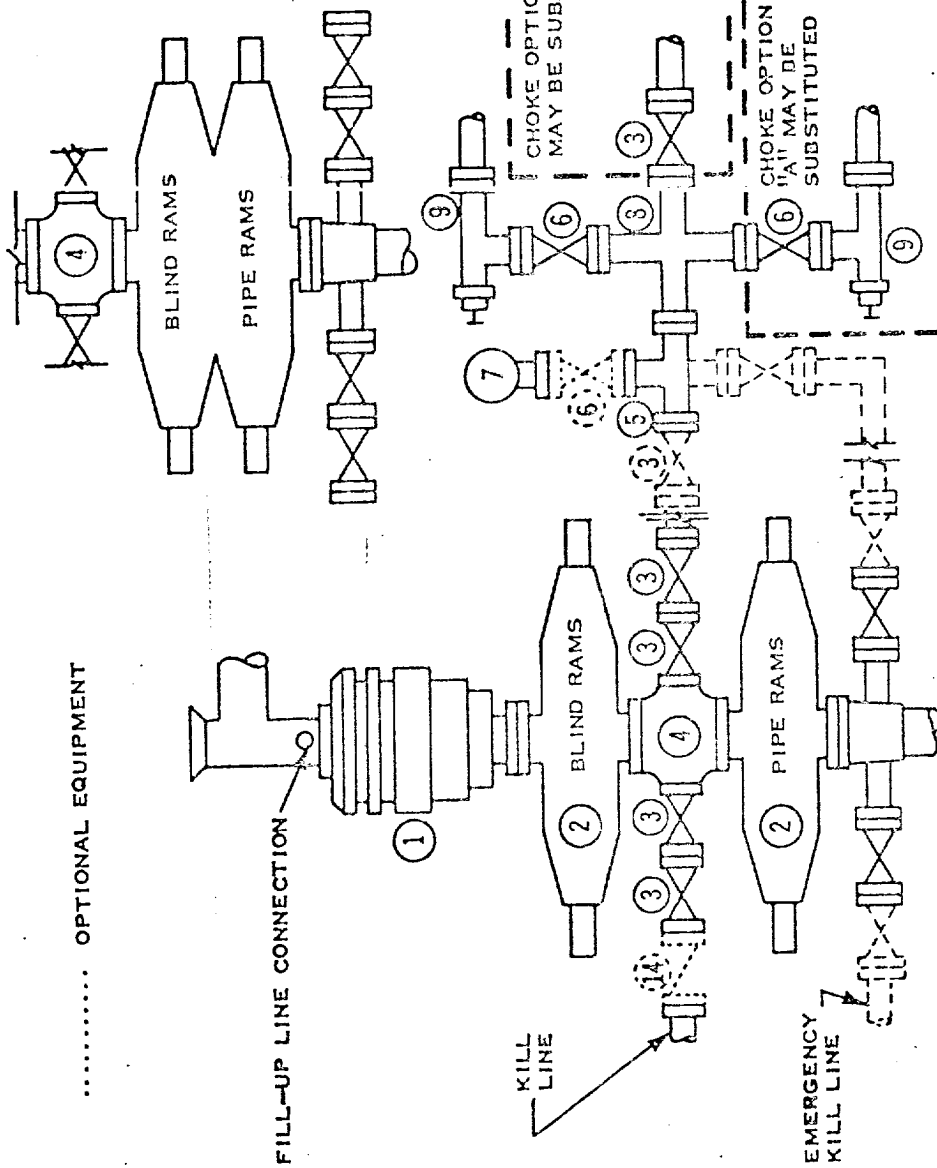
(SERIES 900 FLANGES OR BETTER

REV 6/73

FIGURE NO. 6

DOUBLE PREVENTER OPTION

..... OPTIONAL EQUIPMENT



NOTES:

1.

CHOKE OPTION "A" MAY BE SUBSTITUTED

2. ONE ADJUSTABLE CHOKE MAY BE REPLACED WITH A POSITIVE CHOKE

3. VALVES MAY BE EITHER HAND OR POWER OPERATED BUT, IF POWER OPERATED, THE VALVES FLANGED TO THE BOP RUN MUST BE CAPABLE OF BEING OPENED AND CLOSED MANUALLY OR CLOSE ON-POWER FAILURE AND BE CAPABLE OF BEING OPENED MANUALLY

- 1 SER. 1500 HYDRIL GK
- 2 SER. 1500 RAM-TYPE BOP
- 3 3" SER. 1500 VALVE
- 4 SER. 1500 DRILLING SPOOL
- 5 3" SER. 1500 X 2" SER. 1500 STEEL TEE
- 6 2" SER. 1500 VALVE
- 7 2" MUD PRESSURE GAUGE
- 8 3" SER. 1500 X 2" SER. 1500 STEEL CROSS
- 9 2" SER. 1500 ADJ. CHOKE
- 10 2" SER. 1500 ADJ. CHOKE ON 2" SER. 1500 RISER VALVE ON SIDE OUTLET OF 2" SER. 1500 STEEL TEE
- 11 ADAPTER, 2" SER. 1500 X 3 1/2" 10,000 LB WP OR OTHER FLANGE MATING INLET
- 12 10,000 LB WP REMOTE CHOKE
- 13 HYDRAULIC CHOKE, 2500 LB WP OR BETTER
- 14 3" SER. 1500 CHECK VALVE

5000 PSI WP OR BETTER CLAMP HUBS MAY BE SUBSTITUTED FOR FLANGES

PHILLIPS PETROLEUM COMPAN

5000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP
(SERIES 1500 FLANGES OR BETTE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

NM 0417023

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐		RECEIVED		5. LEASE DESIGNATION AND SERIAL NO. NM-041703
2. NAME OF OPERATOR Phillips Petroleum Company		SEP 13 1973		6. IF INDIAN, ALLOTTEE OR TRIBE NAME --
3. ADDRESS OF OPERATOR Room 711, Phillips Bldg., Odessa, Texas 79761				7. UNIT AGREEMENT NAME --
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface (Unit N) 660' FS and 1980' FW Lines		ARTESIA, OFFICE		8. FARM OR LEASE NAME James-D
14. PERMIT NO. --		15. ELEVATIONS (Show whether DF, RT, GR, etc.) later		9. WELL NO. 1
				10. FIELD AND POOL, OR WILDCAT Undesignated - Brushy Canyon
				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 26, 21S, 30E
				12. COUNTY OR PARISH Eddy
				13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐WATER SHUT-OFF ☒FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) commence drilling ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Abbott Brothers moved in and spudded 36" hole on 8-28-73. Drld to 38' w/rat hole rig.
Set 38' of 24" conductor pipe at 38', cmt'd w/7 yards ready-mix concrete to bottom of cellar.
Rigged up spudder, drilled 12-1/2" hole f/38' to 50' on 8-29-73, drilling ahead in 12-1/2" hole on 8-31-73.

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SEP 12 1973

U. S. GEOLOGICAL SURVEY
ARTESIA, N. M.

18. I hereby certify that the foregoing is true and correct

SIGNED

W.J. Mueller

TITLE Senior Reservoir Engineer

DATE 9-11-73

(This space for Federal or State office use)

TITLE

DATE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

H. L. BEEKMANN

ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side