

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN **PLICATE***
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. NM 0557732	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Coastal States Gas Producing Company			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 235, Midland, Texas 79701			8. FARM OR LEASE NAME U. S. Arco	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 1650' FN&WL, Sec. 24, T-23-S, R-24-E At proposed prod. zone			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 16 miles SE of Carlsbad			10. FIELD AND POOL, OR WILDCAT Rock Tank (Morrow)	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1650' / 330'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, T-23-S, R-24-E	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. none			12. COUNTY OR PARISH Eddy	
16. NO. OF ACRES IN LEASE 640			13. STATE New Mexico	
19. PROPOSED DEPTH 10,600'			17. NO. OF ACRES ASSIGNED TO THIS WELL 640	
20. ROTARY OR CABLE TOOLS Rotary			21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3792' GR	
22. APPROX. DATE WORK WILL START* On Approval				

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11	8-5/8	24#	2500	600 sxs - circ
7-7/8	5-1/2	17#	10600	400 sxs

OPERATIONS BY

- ☐ RECORD LESSEE
☐ D. OF C. ON FILE
☒ D. OF C. ATTACHED

BOND COVERAGE:

- ☒ \$5,000 ATTACHED
☐ \$5,000 ON FILE
☒ LESSEE'S RATION - WIDE
☒ OPERATIONS RATION - WIDE

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

24.

SIGNED

*J. B. Shepherd*TITLE **Operations Supervisor**DATE **5/18/72**

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS REVOKED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES **AUG 22 1972**
*See Instructions On Reverse Side

DECLARED WATER BASIN

CEMENT BEHIND THE
CASING MUST BE CIRCULATEDNOTIFY BUREAU IN SUFFICIENT TIME TO
WITHDRAW CASING THE 873' CASING.

RECEIVED

MAY 18 1972

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

MAY 24 1972

Form O-10
Revised 1-68
Effective 1-68

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

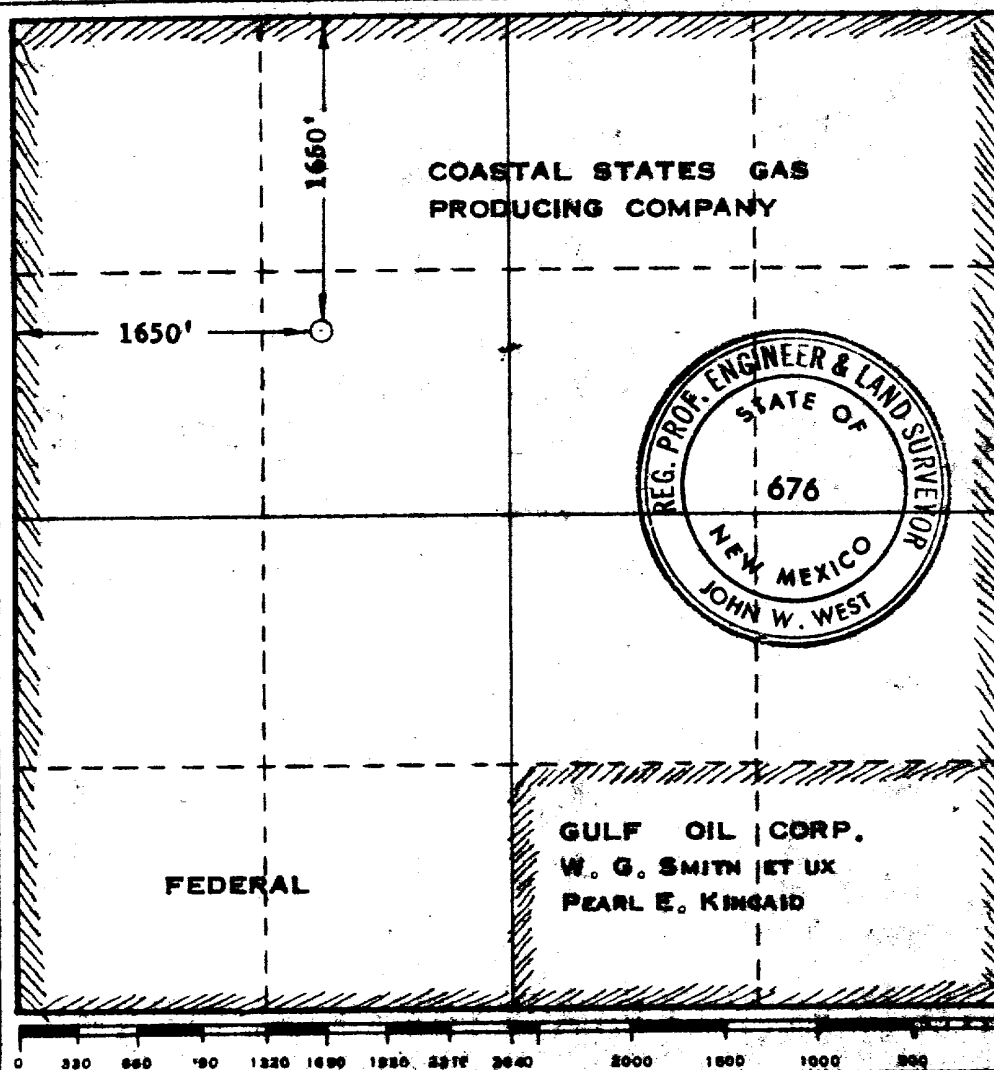
Operator COASTAL STATES GAS PRODUCING CO.			Lease U. S. ARCO GAS CO. M		
Unit Letter F	Section 24	Township 23 SOUTH	Range 24 EAST	County EDDY	
Actual Footage Location of Well: 1650 feet from the NORTH line and 1650 feet from the WEST line					
Ground Level Elev. 3792.0'	Producing Formation MORROW SAND		Pool ROCK TANK (L. MORROW) Lind	Dedicated Acreage: 640 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 PRODUCTIVE WILL COMMUNITIZE

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

Position

AREA FOREMAN

Company

COASTAL STATES GAS PROD. CO.

Date

MAY 18, 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

MAY 17, 1972

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

676



Jackson 4-6381 · Post office box 1675 · Houston 1, Texas

BAROID DIVISION
National Lead Company

RECEIVED
MAY 18 1972
D. C. H.
ARTESIA OFFICE

May 16, 1972
Hobbs, New Mexico 88240

Coastal States Producing Company
Wilco Tower Building
Midland, Texas 79701
Attention: Mr. Jim Sheppard

Dear Sir:

Thank you for the opportunity of preparing a suggested mud program for your proposed 10,600' well, the U. S. Arco #1, Rock Tank Field, located in Section 24, Township 23 South, Range 24 East, Eddy County, New Mexico.

Suggested Mud Program

0' - 30': Conductor set with rat hole machine.

30' - 2,500': Air or air mist. Recommend loading hole with 200 barrels Viscous AQUAGEL^{plus} treated with 6-7 #/barrel Cottonseed Hulls and 6-7 # FIBERTEX prior to cementing casing.

Set 8-5/8" casing at 2,500'.

2,500' - 8,200': Air or air mist. If necessary, to go to water, treat with BENEX and CONDET to help reduce solids. Use HYSEAL as needed for seepage loss of fluid.

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MAY 18 1972
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ARTESIA, NEW MEXICO

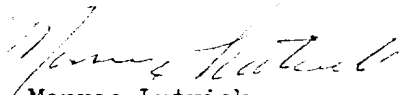
8,200' - 10,600': AQUAGEL, DEXTRID, and Soda Ash, non-dispersed system, viscosity 33-36 Sec/1000 cc, weight 8.8-9.0 #/gallon, filter loss 10 cc or less. If necessary, increase the viscosity for good hole conditions at all times. If higher pressures are encountered than expected, increase the weight to 9.2-9.3 #/gallon with BAROID.

Estimated cost of this program is \$7,500-8,000 unless severe loss of circulation occurs.

Baroid's engineer for this area is Allen Bruton, Hobbs, New Mexico, office telephone 505/393-8622, home telephone 505/392-5952. Our stockpoints for material are Lovington, New Mexico and Jal, New Mexico.

Thank you, and if we can be of further service in the preplanning of this well, please let us know. We would appreciate servicing and engineering this well for you.

Sincerely yours,


Monroe Lutrick

Sales Engineer

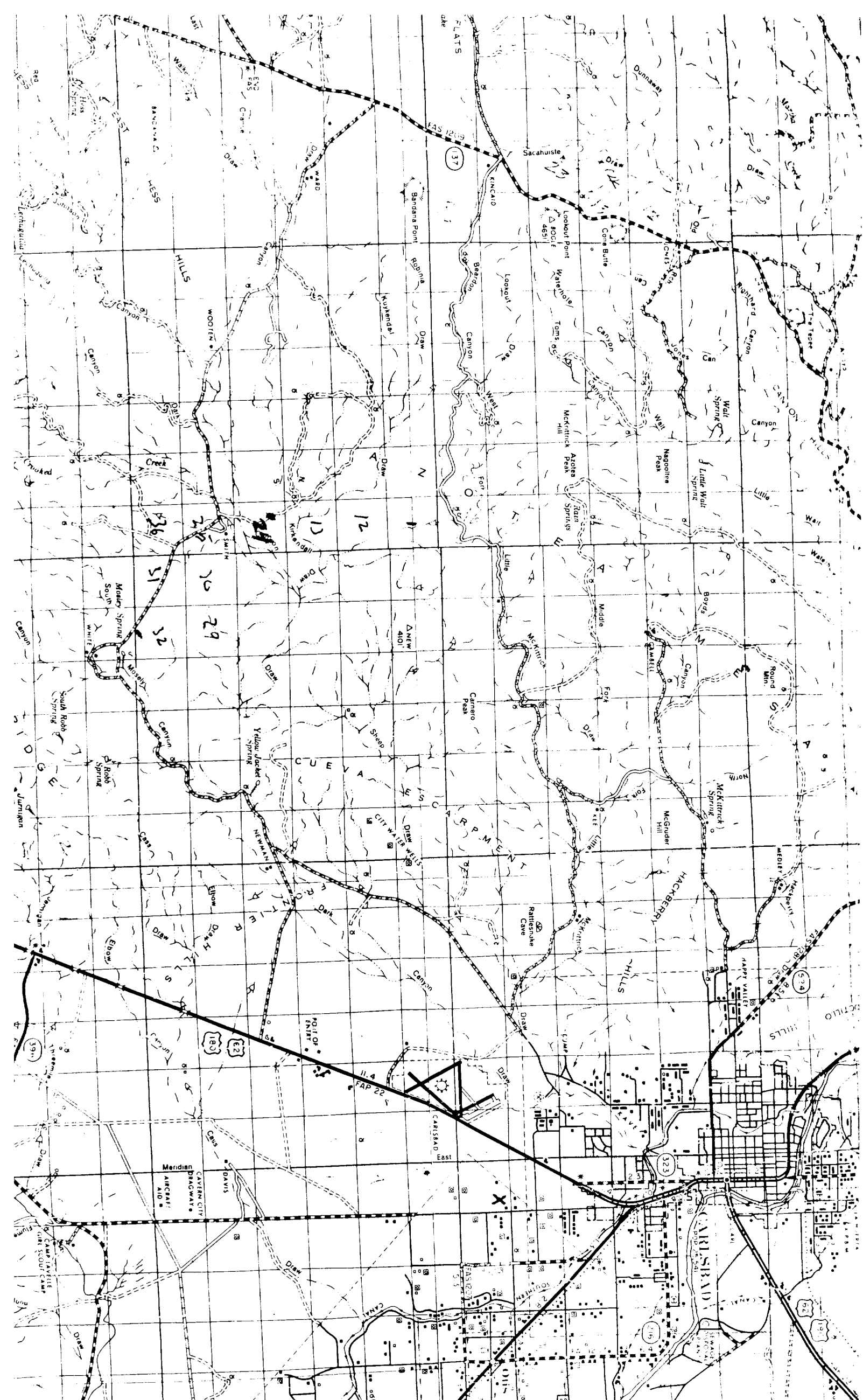
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MAY 18 1972

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO





Q. S. C.

MAY 14 1972

RECEIVED
MAY 14 1972
U. S. DEPT. OF JUSTICE
FBI

3000 # WP DRILLING CONTROL HOOK-UP

DATE	WENT B.E.S	INT 6-7-77
TIME	11:00 P	111
W.P.	W.P.	W.P.

ALL BOP STACK EQUIPMENT TO BE
3000# W.P.

