30-015-26985

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: NM 2748

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Gissler B

9. WELL NO.: 29

10. FIELD AND POOL, OR WILDCAT: Grayburg Jackson

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 23, T17S, R30E

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

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

RECEIVED
APR - 7 1992
O. C. D.
ARTESIA, OFFICE

2. NAME OF OPERATOR: Burnett Oil Co., Inc.

3. ADDRESS OF OPERATOR: 801 Cherry Street, Suite 1500, Fort Worth, Texas 76102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: Unit Letter H, 2130' FNL, 660' FEL, Sec. 23, T17S, R30E
At proposed prod. zone: Same

12. COUNTY OR PARISH: Eddy — 13. STATE: NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 3.5 miles northeast of Loco Hills, 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: 160 (contiguous)

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1350'

19. PROPOSED DEPTH: 3550'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3698' GR.

22. APPROX. DATE WORK WILL START*: 4/10/92

23. PROPOSED CASING AND CEMENTING PROGRAM — No Water Basin

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24	480'	± 300 sks. Cl. C (will circulate
7 7/8"	5 1/2"	17	3550'	± 500 sks. Cl. C (or equivalent)
				(if waterlows are encountered, cementing program may vary. See Drilling Program)

A 12 1/4" surface hole will be drilled to the Rustler Anhydrite. 8 5/8" casing will be set at this point and cemented back to surface. After waiting on cement 12 hours, casing and blowout preventer will be tested before drilling out the casing shoe. A 7 7/8" hole will then be drilled to the base of the Jackson productive interval at ±3550'. We anticipate evaluating a possible productive interval in the Fren from approximately 1850'-2000' by drill stem testing, coring, and/or logging. No completion will be attempte in this zone at this time.5 1/2" casing will be set at TD and cemented back to the base of the salt at approximately 1210'. Productive zones of the Jackson and Grayburg intervals will then be perforated and treated conventionally.

Part ID-1
4-12-92
New Dr & API

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 John C. McPhaul — TITLE Production Superintendent — DATE March 5, 1992

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 4-6-92

CONDITIONS OF APPROVAL, IF ANY:
SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised 1-1-89

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator: Burnett Oil Co., Inc.			Lease: Gissler B		Well No.: 29
Unit Letter: H	Section: 23	Township: 17 South	Range: 30 East NMPM	County: Eddy	
Actual Footage Location of Well: 2130 feet from the North line and 660 feet from the East line					
Ground level Elev.: 3698.0	Producing Formation: Grayburg Jackson		Pool: Grayburg Jackson		Dedicated Acreage: 40 Acres

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

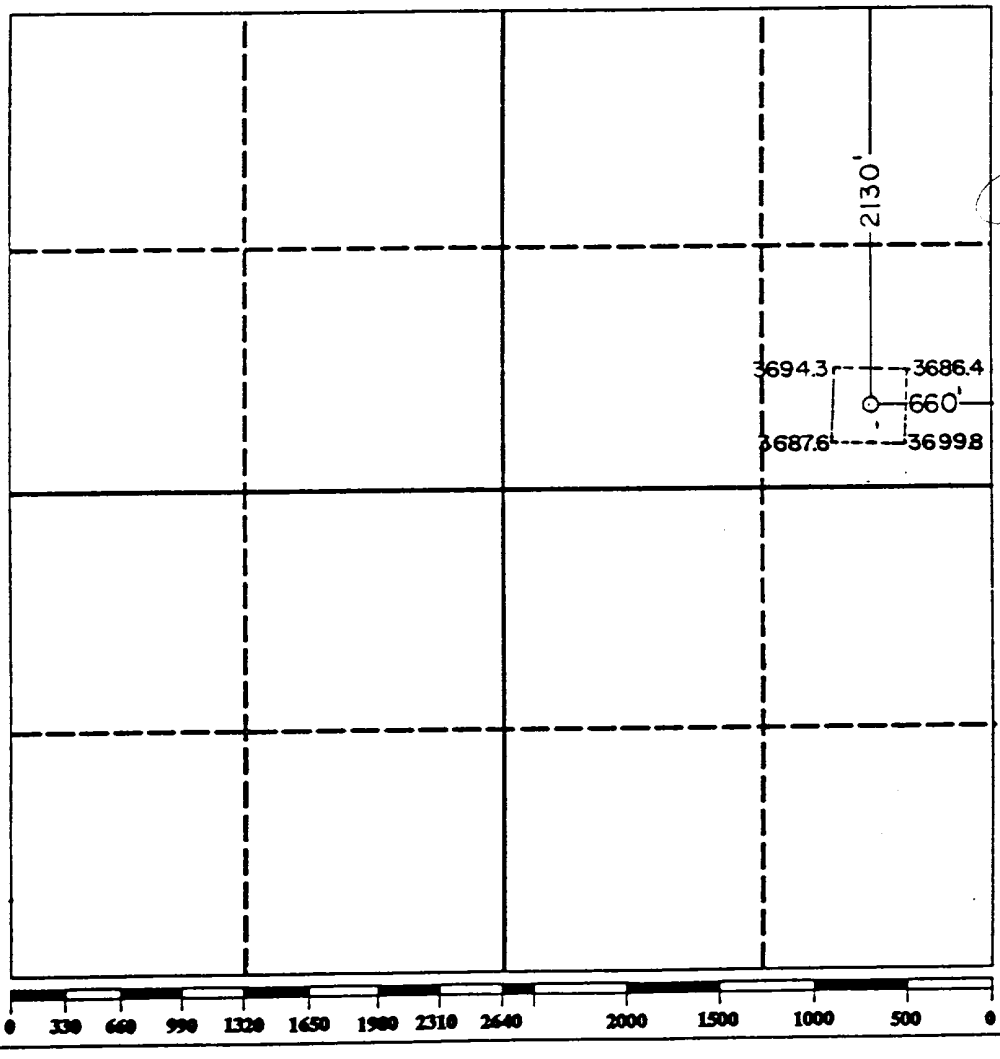
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature: John C. McPhaul

Printed Name: John C. McPhaul

Position: Production Superintendent

Company: Burnett Oil Co., Inc.

Date: March 5, 1992

SURVEYOR CERTIFICATION

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: January 31, 1992

Signature & Seal of Professional Surveyor: Ronald J. Eidson

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

RONALD J. EIDSON

125830

DRILLING PLAN

COVERING
BURNETT OIL CO., INC.
LEASE: NM 2748
WELL: GISSLER B #29
UNIT LETTER H
2130' FNL, 660' FEL
SECTION 23, TOWNSHIP 17 SOUTH, RANGE 30 EAST
EDDY COUNTY, NEW MEXICO

(A) DRILLING PROGRAM

(1) Estimated tops of geologic markers:

Alluvium	Surface
Anhydrite	460'
Salt	480'
Base Salt	1210'
Red Sand	2315'
Grayburg	2697'
San Andres	3102'

(2) Estimated depths of producing formations:

Fresh water	None
Saltwater flows	(?)*
Oil and Gas	2940',3040',3400'**

*As waterflows, if any, are encountered, their depth will be recorded, and drilling will continue to Total Depth. Multiple stage cementers will be placed in the oil string to enable us to confine, by cementing, the waterflows to their respective depths.

**Oil and gas bearing zones, if any, will be determined by log analysis, and will be confined by cementing, perforated, stimulated and produced in a conventional manner.

(3) Blowout Preventer Specifications

3000 psi Double Ram unit with hydraulic closing equipment. (See Exhibit D schematic).The preventer will be tested before drilling out below surface pipe setting depth. The exact description of the preventer and related equipment will depend on the successful contractor, who has not yet been selected. No high pressure hydrocarbon zones are anticipated.

(4) Supplementary drilling equipment information: Not available at this time.

Supplementary casing program information:

a. Surface casing: Surface casing will consist of new 8-5/8" OD 24# K-55 ST&C R3 pipe and will be run into a 12-1/4" hole with notched Texas Pattern shoe on bottom, insert float valve in first collar, 2 centralizers around shoe joint and first collar. Bottom 3 joints will be collar tacked and thread locked. Setting depth will be +/- 470', depending on where suitable casing seat can be found in the Rustler anhydrite. Cement will be circulated back to the Surface. Initial cement volume will be calculated to be 100% excess of the calculated annular volume between the 8-5/8" casing and the hole. If circulation of cement is not achieved due to lost circulation zone(s), annular space will be cemented via 1" from the surface as per BLM specifications. 12 hours WOC will be allowed. Casing will be tested to 800 psi before drilling out.

b. Production casing: Production casing will consist of new 5-1/2" OD 17# K 8rd ST&C R3 inspected pipe being run to Total Depth with float shoe on bottom, float collar in first collar, centralizers throughout pay intervals and above and below any multiple stage cementers, and being cemented with sufficient volume to bring top of cement to base of salt. If water flow is encountered, we will cement from TD back to the stage cementer, open stage cementer, cement from stage center with sufficient volume of Class C or equivalent to bring cement up to the base of the salt, then balancing hydrostatic weight of the cement by adjusting the flow of water to surface through the 5-1/2" casing, enabling the 2nd stage of cement to set up. Casing will be shut in after 12 hours. If there is no flow of water to surface around the 5-1/2" casing, we will cement the water flow proper through the stage cementer with +/- 400 sacks. In case the 2nd stage is not successful in shutting off any annular flow, we will repeat the 2nd stage until successful. After drilling out and testing the casing to 2000 psi, a cement bond log will be run to evaluate the cement job.

(5) Mud program: Native mud (red beds and shale) will be used to Total Depth. After drilling surface hole with fresh water,salinity of water will rise throughout rest of the hole. (if the Fren interval is evaluated by coring, we will mud up and lower our water loss.) If no water flows are encountered, we may mud up lightly to drill the various pay sections. If water flow(s) are encountered, no control will be used until Total Depth is reached, at which time we will sweep the hole with 50 viscosity gelled water.

(6) Logging program: If no water flow(s) are encountered, we will run GR/CN-D-DLL logs. If water flow(s) are encountered, no open hole logging will be attempted, and after casing is set, cased hole GR/CN logs will be run. No testing or coring is anticipated in the Grayburg-Jackson interval. As mentioned above, we may core, test and/or log the Fren interval, depending on the waterflow situation at that point.

(7) Abnormal pressures or hazards: No abnormal pressures or potential hazards are anticipated.

(8) Other facets of the operation to be pointed out: None.

(B) SURFACE USE PROGRAM

(1) Existing roads: Exhibit A shows a map of the general area. From Loco Hills, New Mexico, go east on U.S. Highway 82 approximately 2 miles. Turn north on Eddy County Road 220 (Square Lake Road) approximately .4 miles. Turn east on caliche road 100 yards to location. The proposed access road will be constructed to match the established lease roads. All access roads will be maintained in the same or better condition than before drilling operations began, in accordance with SMA standards.

(2) Access roads to be constructed: Approximately 300' of new access road will be constructed (see Exhibit A). This road will be 12' wide surfaced with compacted caliche. Maximum grade should be +/- 1%. No major cuts or fills, turnouts, culverts, drainage problems, bridges, fences, or cattleguards are anticipated. Existing access roads will be watered and bladed, with only minor repairs indicated. No other existing facilities will be modified.

(3) Location of existing wells: See Exhibit B.

(4) Location of existing or proposed production facilities: See Exhibit B for location of existing facilities. No new facilities are anticipated, with the exception of approximately 1320' of flowline to be connected to an existing battery. See Exhibit B.

(5) Location and type of water supply: All water to be used in drilling the well will be fresh water trucked from Loco Hills, New Mexico or fresh water furnished by our waterflood facilities.

(6) Construction materials: Construction material will be caliche, either from the location itself, or from an existing open quarry just to the northeast of the location, in the NE/NE of Section 23.

(7) Methods of handling waste disposal: Drill cuttings will be disposed of in the lined reserve drilling pit. Auxiliary emergency water containment pits may be necessitated by large volume water flows and these pits, which will hold only water, will not be lined. All drilling fluids will be allowed to evaporate after drilling is completed, at which time pits will be backfilled, leveled and reseeded. Trash, waste paper, garbage and junk will be placed in a portable screened trash container on location. All trash and debris will be transported to an authorized disposal station within 30 days following completion activities. Oil and/or water produced during testing operations will be stored in steel tanks until either sold or disposed of through one of our approved disposal methods.

(8) Ancillary Facilities: There are no planned ancillary facilities.

(9) Well site layout: Exhibit C shows the relative location and dimensions of the drilling pad and related components. Only minor differences, if any, in length and/or width of the drilling pad are anticipated, depending on which drilling contractor is selected to drill the well. Only minor leveling of the drilling site is anticipated.

(10) Plans for restoration of the surface:

(a) After drilling and successful completion operations are finished, all equipment and other materials not required for normal production operations will be removed. Pits will be backfilled, leveled and reseeded. Wellsite will be left in a neat condition.

(b) Any unguarded pits containing fluid will be fenced until backfilled.

(c) After abandonment of the well, surface restoration will be in accordance with regulations of the SMA. Pits will be backfilled and location will be cleaned. The pit area, well pad and all unneeded access roads will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment.

(11) Surface ownership: All lands are Federal.

(12) Other information: The topography of the area is relatively flat, with small hills and sand dunes. The soil is fine, deep sand underlain by caliche. Vegetation cover is generally sparse and consists of mesquite, yucca, oak shinnery and sparse native grasses. Wildlife in the area is typical of that of semi-arid lands and includes coyotes, rabbits, rodents, reptiles, dove and quail. There are no ponds, streams or residences in the area. There is intermittent cattle grazing and hunting in the area; however, the principal land use is for oil and gas production. An archaeological clearance report will be sent to you by New Mexico Archaeological Service recommending archaeological clearance for the road, flowline and drilling pad.

(13) Operator's representative: Our field representative responsible for compliance with the approved surface use and operations plan is: Mr. Rayford Starkey, District Superintendent

P.O. Box 188
Loco Hills, New Mexico 88255
Office phone: 505-677-2313
Home phone: 505-746-4619

I hereby certify that I, or persons under my direct supervision have inspected the drill site and access route; that I am familiar with the conditions that currently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Burnett Oil Co., Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

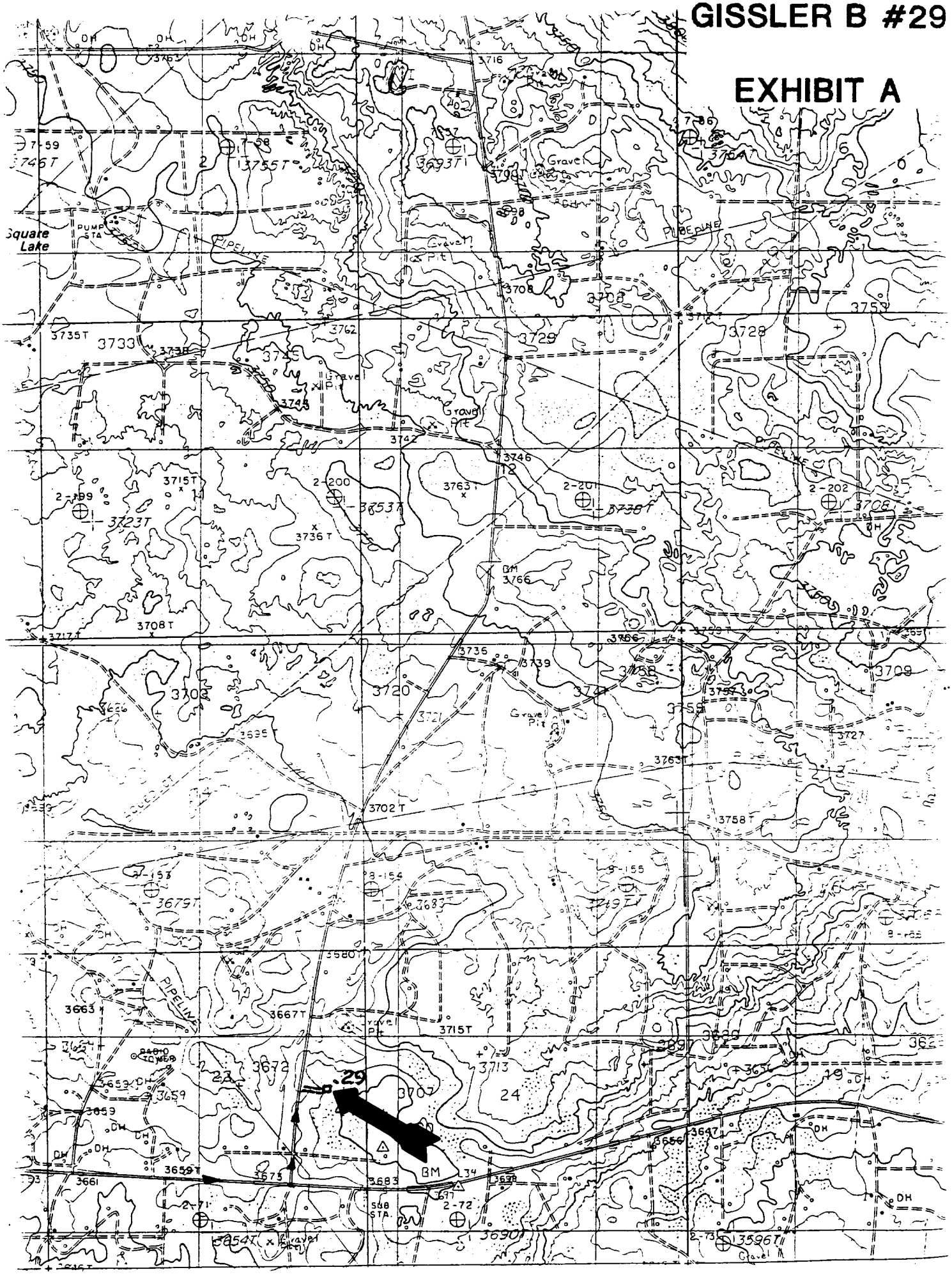
Date: March 5, 1993 By:

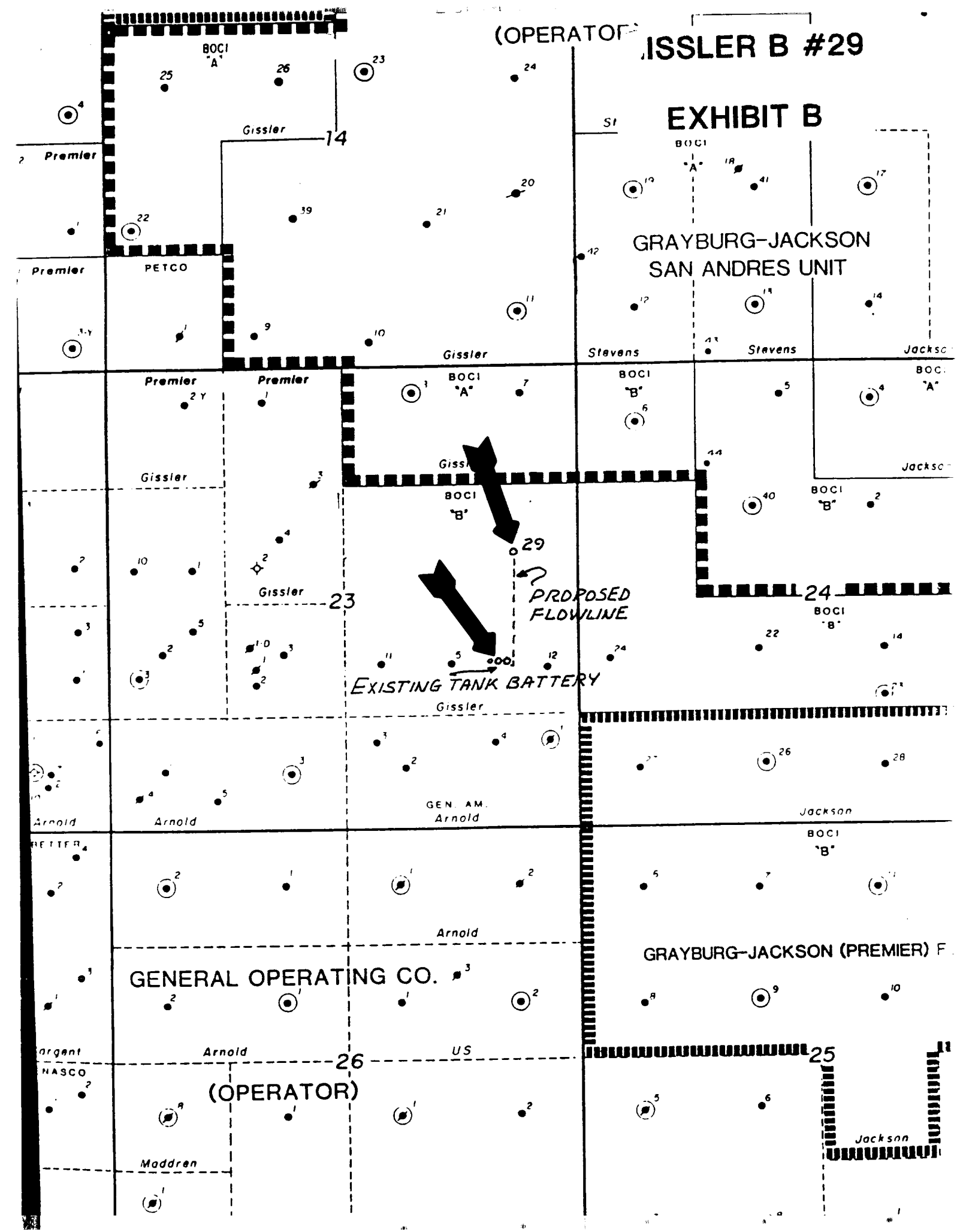
John C. McPhaul

John C. McPhaul, Production Supt.

GISSLER B #29

EXHIBIT A



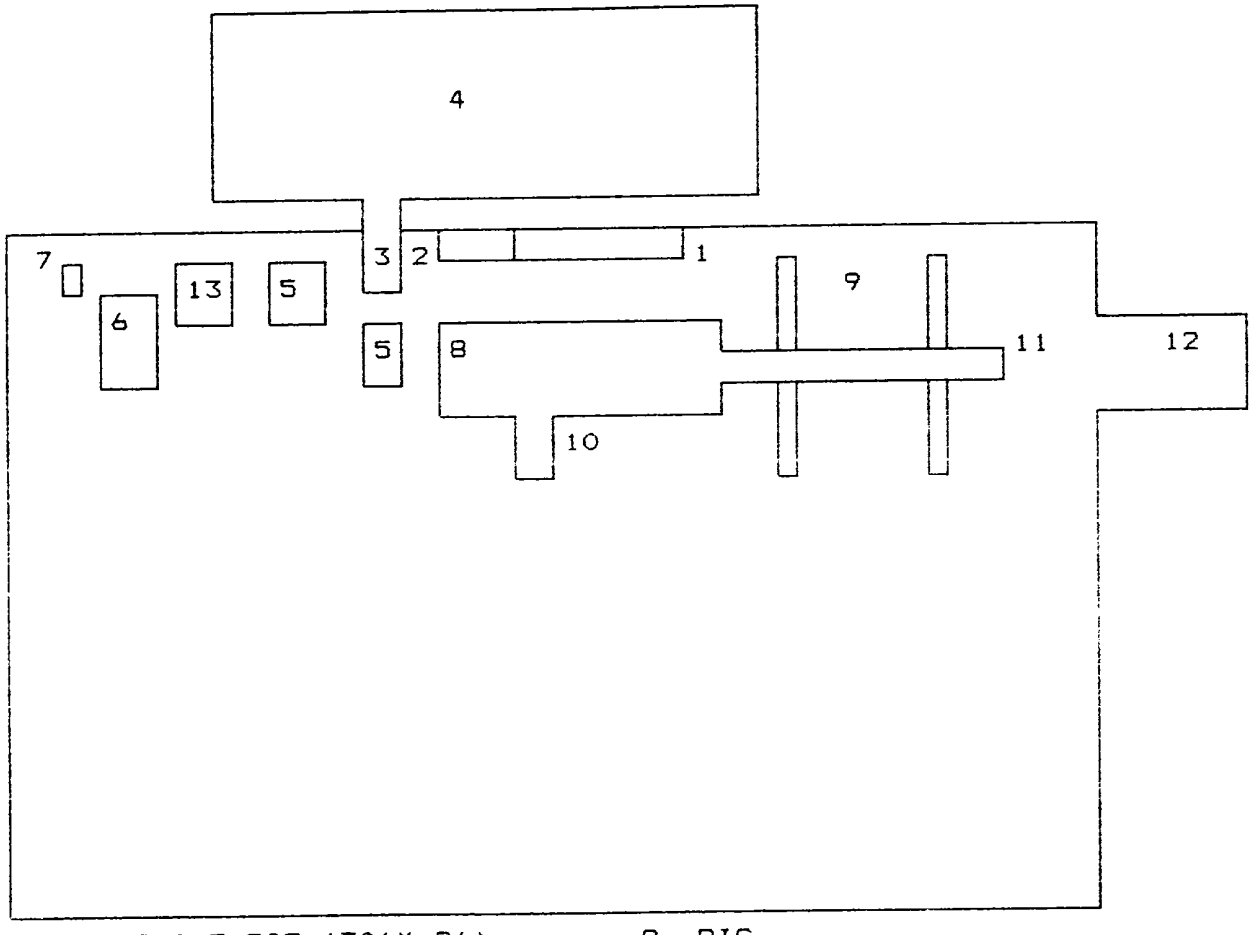

(OPERATOR) ISSLER B #29
EXHIBIT B
GRAYBURG-JACKSON
SAN ANDRES UNIT
PROPOSED
FLOWLINE
EXISTING TANK BATTERY
29
14
23
24
25
26
GENERAL OPERATING CO.
(OPERATOR)
GRAYBURG-JACKSON (PREMIER) F
Gissler
Premier
PETCO
Stevens
Arnold
Jackson
Maddren
US
BOCI
"A"
"B"
GEN. AM.

GISSLER B # 29

EXHIBIT C

BURNETT OIL CO., INC

PROPOSED DRILL SITE LAYOUT



1. SHALE PIT (30'X 8')
2. MUD PIT (20' X 8')
3. SUCTION PIT (30'X 8')
4. RESERVE PIT (100' X 50')
5. PUMPS
6. WATER TANK
7. FUEL TANK
8. RIG
9. PIPERACKS
10. DOG HOUSE
11. CAT WALK
12. STINGER
13. TRASH TRAILER

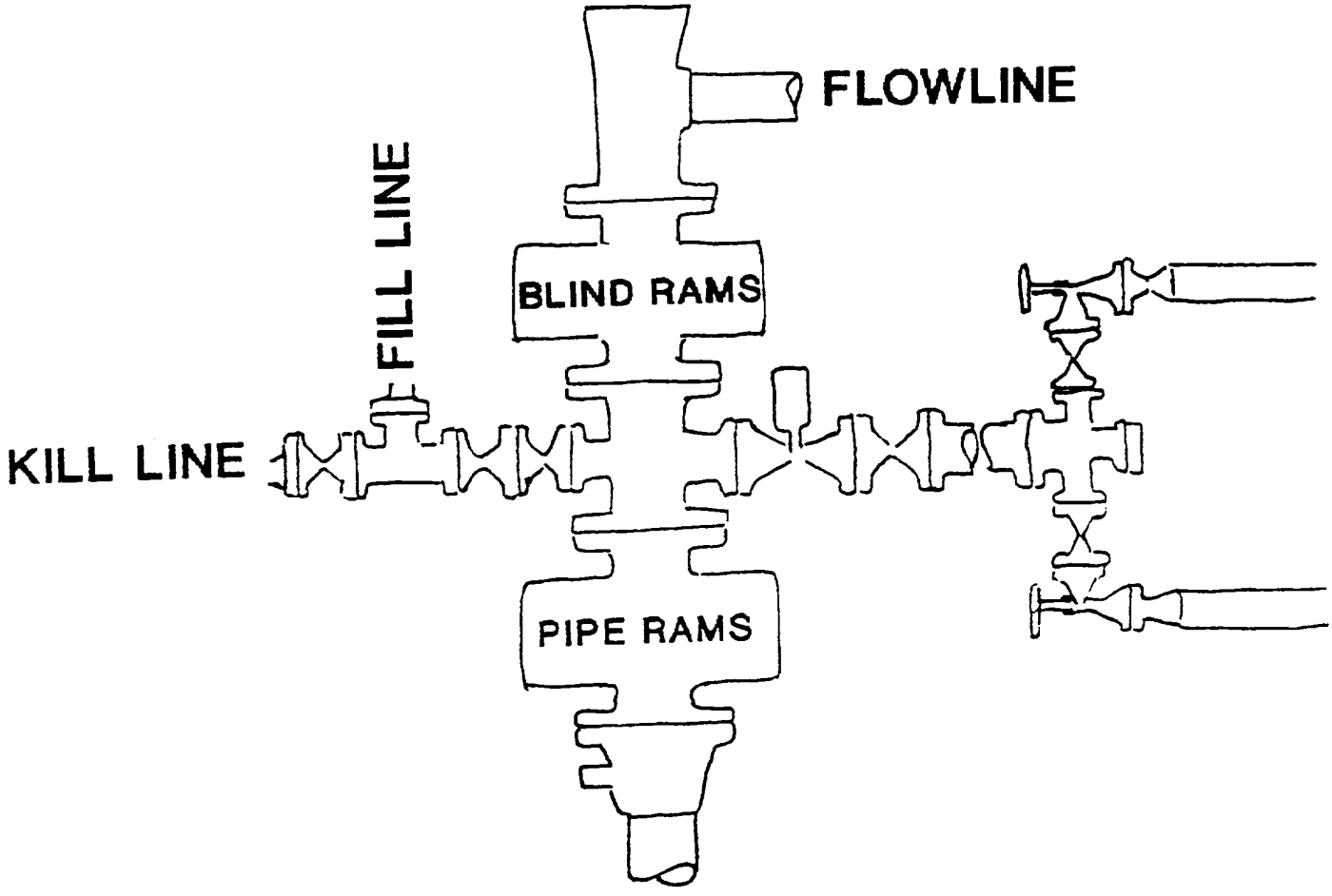
GISSLER B #29

EXHIBIT D

BURNETT OIL CO., INC

BLOWOUT PREVENTER SPECIFICATIONS

3000 PSI DOUBLE RAM



THE BOPE WILL BE TESTED TO 3000 PSI
BEFORE DRILLING OUT BELOW SURFACE PIPE.

30-015-26985

Oxford®

ESSELTE

MADE IN U.S.A. NO. R753 1J3

1-25-93

Natural Gamma Ray Spectromet
[illegible]-2208

Comp. Neutron
[illegible]

Borehole Comp. Sonic
1492' - 2231'

Dual Lat.
1492' - 2231'
2180' - 3549'

Computer Processed Log
1450' - 2231'
2180' - 3549'

Cement Bond
350' - 3496'