

Form 9-331  
(May 1963)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 0454018

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Wersell Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Morrow Gas

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

Sec. 4, T-22S, R-27E

14. PERMIT NO.

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

3218' GR

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

16.

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Supplement to Form 9-331-C

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

X

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

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.)\*

The following supplementary data are submitted to accompany Form 9-331-C previously  
filed on subject well:Drilling Program  
Casing Design  
B.O.P. Sketches  
Choke Manifold Sketch

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

SIGNED

TITLE District Drilling Supt.

DATE July 26, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

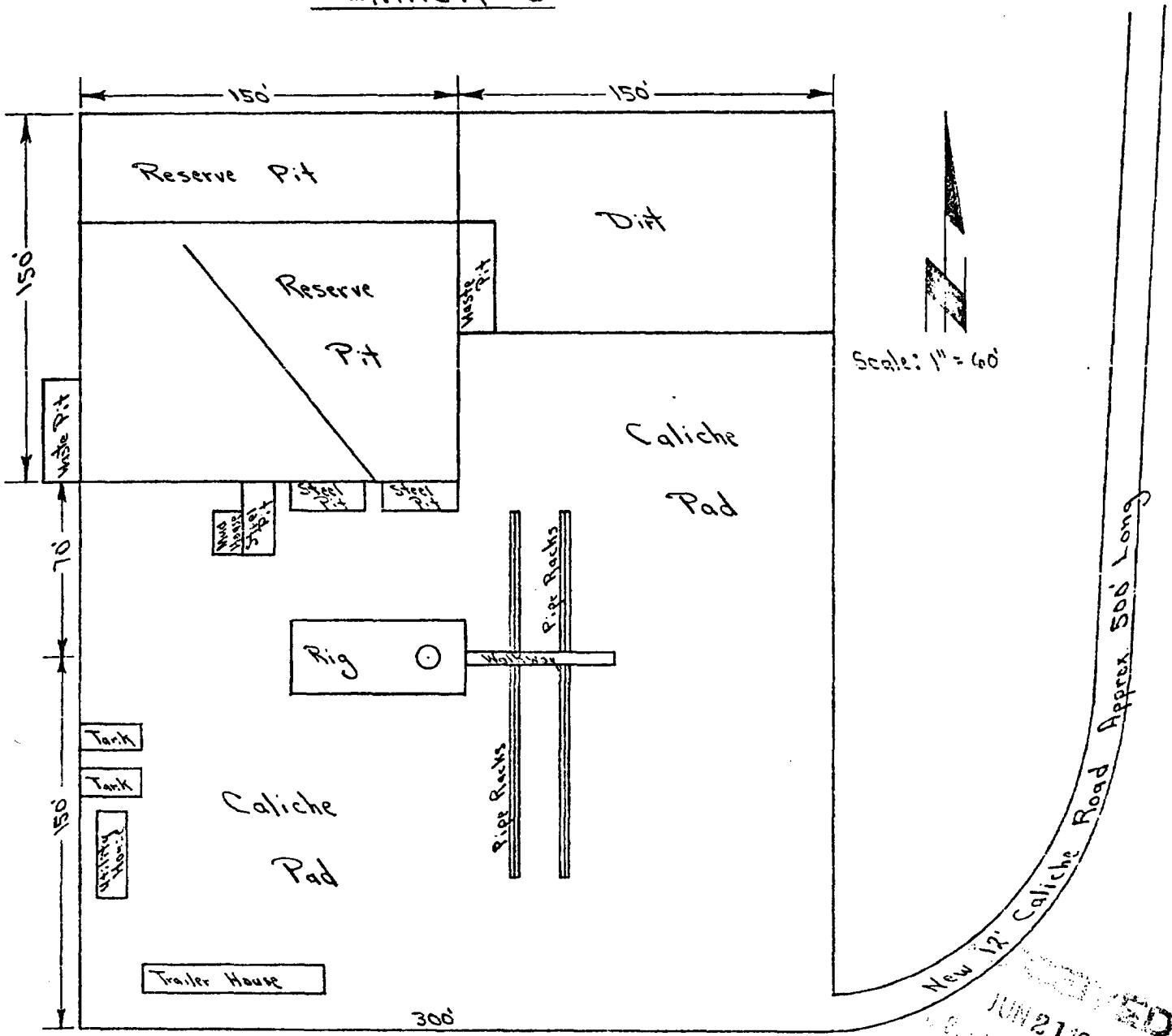
\*See Instructions on Reverse Side

6-13-73

Union Oil Company of California  
WERSELL FEDERAL WELL NO. 1

Location: 810' FNL & 1980' FNL of Section 4, T-22-S, R-27-E,  
Eddy County, New Mexico

EXHIBIT C



Rolling caliche hills with scrub mesquite

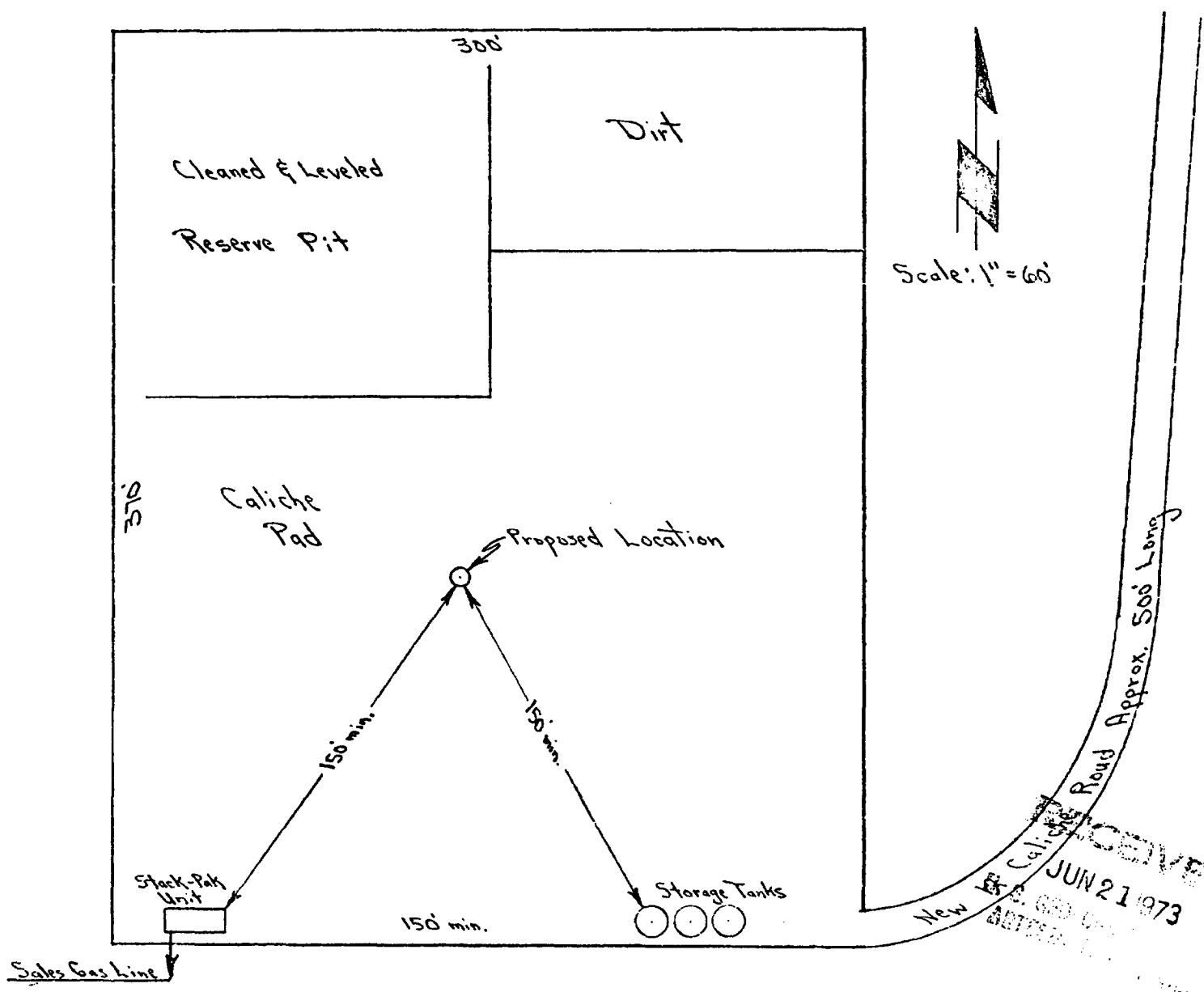
RECEIVED  
JUN 21 1973  
U.S. GEOLOGICAL SURVEY  
DALLAS, TEXAS

Wing  
6-18-73

Union Oil Company of California  
WERSELL FEDERAL WELL NO. 1

Location: 810' FNL & 1980' FWL of Section 4, T-22-S, R-27-E,  
Eddy County, New Mexico

EXHIBIT B



Page 2-

U. S. Geological Survey

Re: Wersell Federal Well No. 1

Twelve-point Surface Use Plan

June 20, 1973

- Item 8 Location of camps - Trailer house will be located on drill site for supervisory personnel. No other camps are anticipated
- 9 Location of airstrips - None
- 10 Location of layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe racks, etc. - EXHIBIT C
- 11 Plans for restoration of the surface - Upon completion or P&A of well, location pits will be filled and leveled and location cleaned up
- 12 Any other information - Location is on rolling caliche hills sparsely covered with scrub mesquite. There are no steep hillsides or gullies. The location and approximately 500' of 12' caliche road will be brought to grade by blasting and ripping caliche hillside

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA



L. F. Thompson  
District Operations Manager

LFT:DMJ:sd  
Attachments

RECEIVED  
JUN 21 1973  
U. S. GEOLOGICAL SURVEY  
DISTRIBUTION MEXICO

Union Oil and Gas Division: Central Region

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
Telephone (915) 682-9731

Mailing Address: P. O. Box 671  
Midland, Texas 79701



Midland District

June 20, 1973

U. S. Geological Survey  
P. O. Drawer U  
Artesia, New Mexico 88210

Gentlemen:

Wersell Federal Well No. 1  
Eddy County, New Mexico  
Twelve-point Surface Use Plan

Attached herewith the "Application for Permit to Drill" on Federal lands is Union's Twelve-point Surface Use Plan.

- Item 1 Existing roads including location of the exit from main highway - EXHIBIT A
- 2 Planned access roads - EXHIBITS A, B, & C. A maximum of 500' of 12' caliche road will need to be constructed from U. S. Highway 62 and 180 to the location
- 3 Location of existing wells - EXHIBIT A
- 4 Lateral roads to well locations - EXHIBIT A
- 5 Location of tank batteries and flow lines - There are no flow lines nor tank batteries within a 1/2 mile radius of the proposed location. See EXHIBIT B for proposed location of tank battery and sales gas line
- 6 Location and type of water supply - Water needed for drilling will be trucked from supply wells near Carlsbad
- 7 Method for handling waste disposal - All incendiary material will be burned on location. Other items will be hauled away

RECEIVED  
JUN 21 1973  
U. S. GEOLOGICAL SURVEY  
ARRESTED BY JUNE 21 1973

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-102  
Supersedes O-128  
Effective 1-1-55

All distances must be from the outer boundaries of the Section

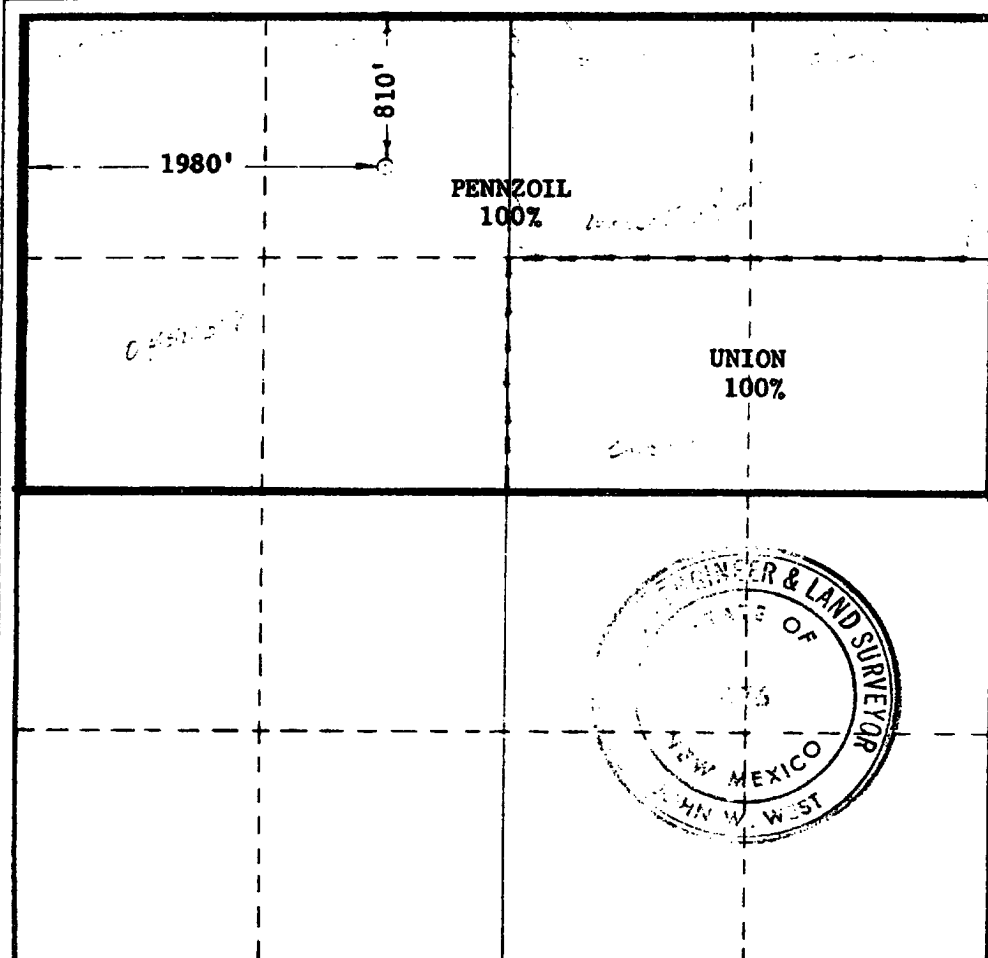
|   |                                      |                             |  |                       |                                 |
|---|--------------------------------------|-----------------------------|--|-----------------------|---------------------------------|
| Operator<br><b>UNION OIL COMPANY OF CALIFORNIA</b>  |                                      |                             | Lease<br><b>WERSSELL FEDERAL</b>       |                       | Well No.<br><b>1</b>            |
| Unit Letter<br><b>C</b>   | Section<br><b>4</b>                  | Township<br><b>22 SOUTH</b> | Range<br><b>27 EAST</b>                | County<br><b>EDDY</b> |                                 |
| Actual Footage Location of Well:<br><b>810</b> feet from the <b>NORTH</b> line and <b>1980</b> feet from the <b>WEST</b> line |                                      |                             |  |                       |                                 |
| Ground Level Elev.<br><b>3218'</b>  | Producing Formation<br><b>Morrow</b> |                             | Pool<br><b>Undesignated Morrow Gas</b> |                       | Estimated Acreage<br><b>320</b> |

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 answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) To be communitized upon completion

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 DD Byrum  
 Position District Drilling Supt.  
 Company Union Oil Co. of California  
 Date June 20, 1973

**RECEIVED**  
**JUN 21 1973**  
 U.S. GEOLOGICAL SURVEY  
 ALBUQUERQUE, NEW MEXICO

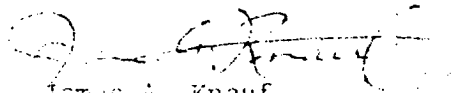
I hereby certify that the information shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**JUNE 7, 1973**  
 Registered Professional Engineer  
 and/or Land Surveyor

John W West  
 Certificate No. **676**

drilling into the Wolfcamp formation  
and used until production casing is run and cemented. Monitoring  
equipment shall consist of the following:

- (1) A recording pit level indicator to determine pit volume gains and losses.
  - (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
  - (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
6. When coming out of the hole with drill pipe, the annulus shall be filled with mud before the mud level drops below 150 feet. The volume of mud required to fill the hole shall be watched, and any time there is an indication of swabbing, or influx of formation fluids, proper blowout prevention precautions must be taken. The mud shall not be circulated and conditioned except on or near bottom, unless well conditions prevent running the pipe to bottom.
7. A copy of these requirements shall be posted on the rig floor or in the dog house during the drilling of the well.

  
James A. Knauf  
Chief Engineer

|          |          |
|----------|----------|
| Revised  | 01/10/00 |
| Approved | 01/10/00 |
| Checked  | 01/10/00 |
| Drawn    | 01/10/00 |
| Approved | 01/10/00 |



# United States Department of the Interior

## GEOLOGICAL SURVEY

P. O. Drawer U  
Artesia, New Mexico 88210

June 22, 1973

### NOTICE

#### DRILLING WELL CONTROL REQUIREMENTS FOR DEEP WELLS DRILLED ON FEDERAL OIL AND GAS LEASES IN THE ARTESIA DISTRICT

The following requirements are established in accordance with 30 CFR 221.24, 221.36, and 221.37. Blowout preventer equipment, choke equipment, drilling fluid characteristics, drilling fluid monitors, and the conduct of drilling procedures shall be such as are necessary to prevent the blowout of any well. In addition to all other applicable rules, regulations, and accepted good operating practices, drilling shall be in accordance with the following safety requirements:

1. After setting the 9-5/8-inch casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report. In addition, the pipe rams and bag-type preventer shall be actuated at least once each 24 hours and the blind rams each time the drill pipe is out of the hole.
2. Accumulators shall maintain a pressure capacity reserve at all times to provide for repeated operation of hydraulic preventers.
3. A drill string safety valve in the open position shall be maintained on the rig floor at all times while drilling operations are being conducted.
4. Blowout prevention drills shall be conducted as necessary to insure that the drilling crew is properly trained to carry out emergency duties.
5. Drill pipe monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before