

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-095-2362

5. LEASE DESIGNATION AND SERIAL NO.

NM-25449

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hunter Wash

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Bisti Lower Gallup ext

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

Section 22-T25N-R12W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

## 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

Hixon Development Company

## 3. ADDRESS OF OPERATOR

P.O. Box 2810, Farmington, NM 87401

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

860' FNL, 330' FWL, Section 22-T25N-R12W  
At proposed prod. zone

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

26 miles from Farmington

## 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

440

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.

4901'

## 20. ROTARY OR CABLE TOOLS

rotary

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

6268' GL

## 22. APPROX. DATE WORK WILL START\*

1-15-79

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	200'	200 sacks
7-7/8"	4-1/2"	9.5#	4901'	300 sacks

It is proposed to drill a Bisti Lower Gallup pool step-out well. The well will offset the Central Bisti Lower Gallup Unit and the Carson Lower Gallup Unit, and will serve the purpose of delineating the reservoir. It will be evaluated on the basis of open hole logs, perforated, fraced and put on pump into separate oil treating and storage facilities.

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

*Robert L. Ketchum*

TITLE

Petroleum Engineer

DATE

October 31, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*Wolfe (104 for  
30 days)**ok Frank*

\*See Instructions On Reverse Side

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

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

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

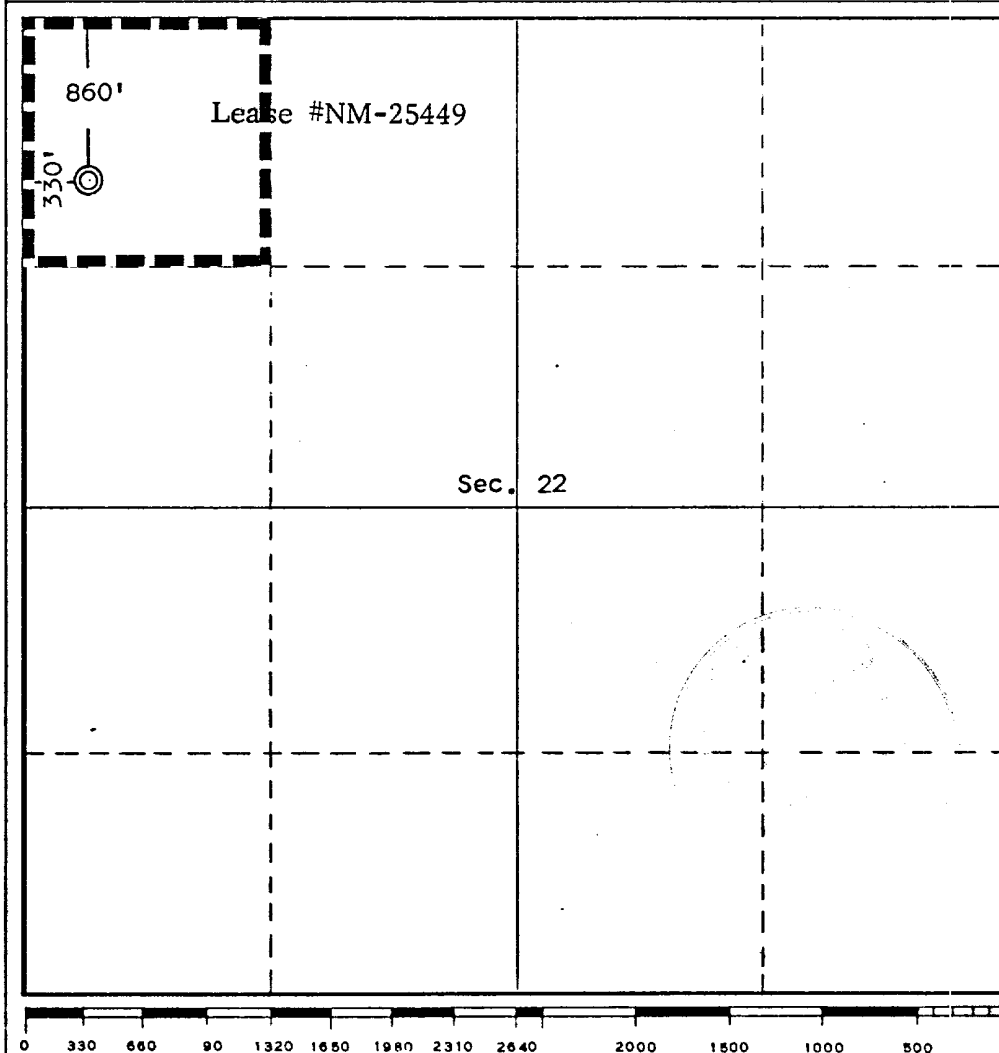
Operator <b>Hixon Development Company</b>			Lease <b>Hunter Wash (NM-25449)</b>		Well No. <b>Hunter Wash #2</b>
Unit Letter <b>D</b>	Section <b>22</b>	Township <b>25 North</b>	Range <b>12 West</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>860</b> feet from the <b>North</b> line and <b>330</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6268</b>	Producing Formation <b>Lower Gallup</b>		Pool <b>Bisti Lower Gallup ext</b>	Dedicated Acreage: <b>40</b> 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 answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) one owner lease

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  
**Aldrich L. Kuchera**

Position  
**Petroleum Engineer**

Company  
**Hixon Development Co.**

Date  
**October 31, 1978**

I hereby certify that the well location shown on this plat was plotted from field notes of actual survey 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  
**October 27, 1978**

Registered Professional Engineer and/or Land Surveyor  
**Edgar L. Risenhoover**

Certificate No. **5979**

**Edgar L. Risenhoover, L.S.**

Application for Permit to Drill  
Hixon Development Company  
Hunter Wash Well No. 2  
Bisti Lower Gallup Field  
NW 1/4 of NW 1/4, Section 22-T25N-R12W  
San Juan County, New Mexico

Recap of NTL-6 13-Point Outline is as follows:

1. Existing Roads - Refer to attached topographic map. The proposed well site is located adjacent to an existing 25 year old oil field. The field has an extensive lease road system that is tied to State Highway 371 south of Farmington.
2. Planned Access Roads - An existing lease road will be extended by 800' to provide access to the subject well per the attached topographic map. The proposed road will run south-southeast and consist of compacted sand with a maximum 1% grade. It will be about 25' wide.
3. Location of Existing Wells - Refer to the attached map.
4. Location of Tank Batteries, Production Facilities, and etc. - The proposed well is located in the vicinity of an extensive oil and gas flowline and water injection system. A 2" flowline for the proposed well would run west to a flowline manifold at CBU Well No. 51 or to a new tank battery located in Section 16-T25N-R12W.
5. Location and Type of Water Supply - Will not be necessary. Any water used for workover purposes will be hauled in from a source well in Section 5 or from Farmington.
6. Source of Construction Materials - Materials necessary for the construction of the access road and drilling pad will be obtained from the wells location.
7. Methods of Handling Waste Disposal - Any waste material incurred while drilling will be buried in the mud pits.
8. Ancillary Facilities - Will use existing Central Bisti Unit facilities.
9. Well Site Layout - Refer to attached plat.
10. Plans for Restoration of the Surface - Area in the vicinity of the well site is primarily sand. Very little of the well site area will be disturbed.
11. Other Information - Refer to Archaeological Report to be submitted to the USGS.
12. See Attached -

Application for Permit to Drill  
Hixon Development Company  
Hunter Wash Well No. 2  
Bisti Lower Gallup Field  
NW of NW 1/4, Section 22-T25N-R12W  
San Juan County, New Mexico  
Page 2

13. Leasee's or Operator's Representative -

Aldrich L. Kuchera		
Telephone	325-6984	Office
	325-3448	Home
	325-1873	Unit #675 Car Telephone

Application for Permit to Drill  
Hixon Development Company  
Hunter Wash Well No. 2  
Bisti Lower Gallup Field  
NW 1/4 of NW 1/4, Section 22-T25N-R12W  
San Juan County, New Mexico

Other NTL-6 pertinent data is as follows:

1. Estimated Log Tops:

Animas	Surface
Ojo Alamo	52'
Pictured Cliffs	1111'
Lewis	1266'
Point Lookout	3516'
Mancos	3726'
Gallup	4626'
Lower Gallup	4701'

2. Estimated depths of water oil and gas:

Fresh water	52'-102'
Gas	1111'-1131'
Oil and Gas	4626'-TD

3. Weight and type of mud to be used - 9.0#-9.3#/gallon mud from below surface with low fluid loss - additives used across permeable zones.

4. Open hole logs to be used :

Induction Electric  
Compensated Neutron - Density

5. Pressure control equipment will be a 10" Shaffer 3000 WP hydraulic BOP stack per the attached inventory sheet. Surface casing will be tested to 750 psi for 30 minutes prior drilling out cement. Production casing will be tested to 1000 psi for 30 minutes prior perforating.
6. On the basis of offset drilling data we do not foresee any drilling hazards such as high pressure gas zones, high temperatures, sour gas or other abnormal deviations.
7. Surface 8-5/8" 24# J-55 ST&C and production 4-1/2" 9.5# J-55 ST&C casing will be new and tested at the factory. Regular Class B cement will be used for the surface casing. Production casing will be cemented with Class B cement with 10# gilsonite per sack and 2% CaCl.
8. Duration of drilling activity from spud date to completion is expected to be about 15 days.
9. In the event that the well is a dry hole it will be plugged with prior USGS approval and the drilling site restored to its natural state.

HIxon DEVELOPMENT COMPANY

P. O. BOX 2810

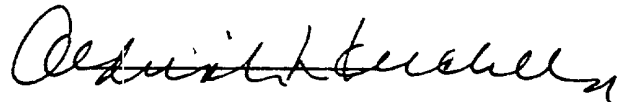
FARMINGTON, NEW MEXICO 87401

October 31, 1978

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Hixon Development Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

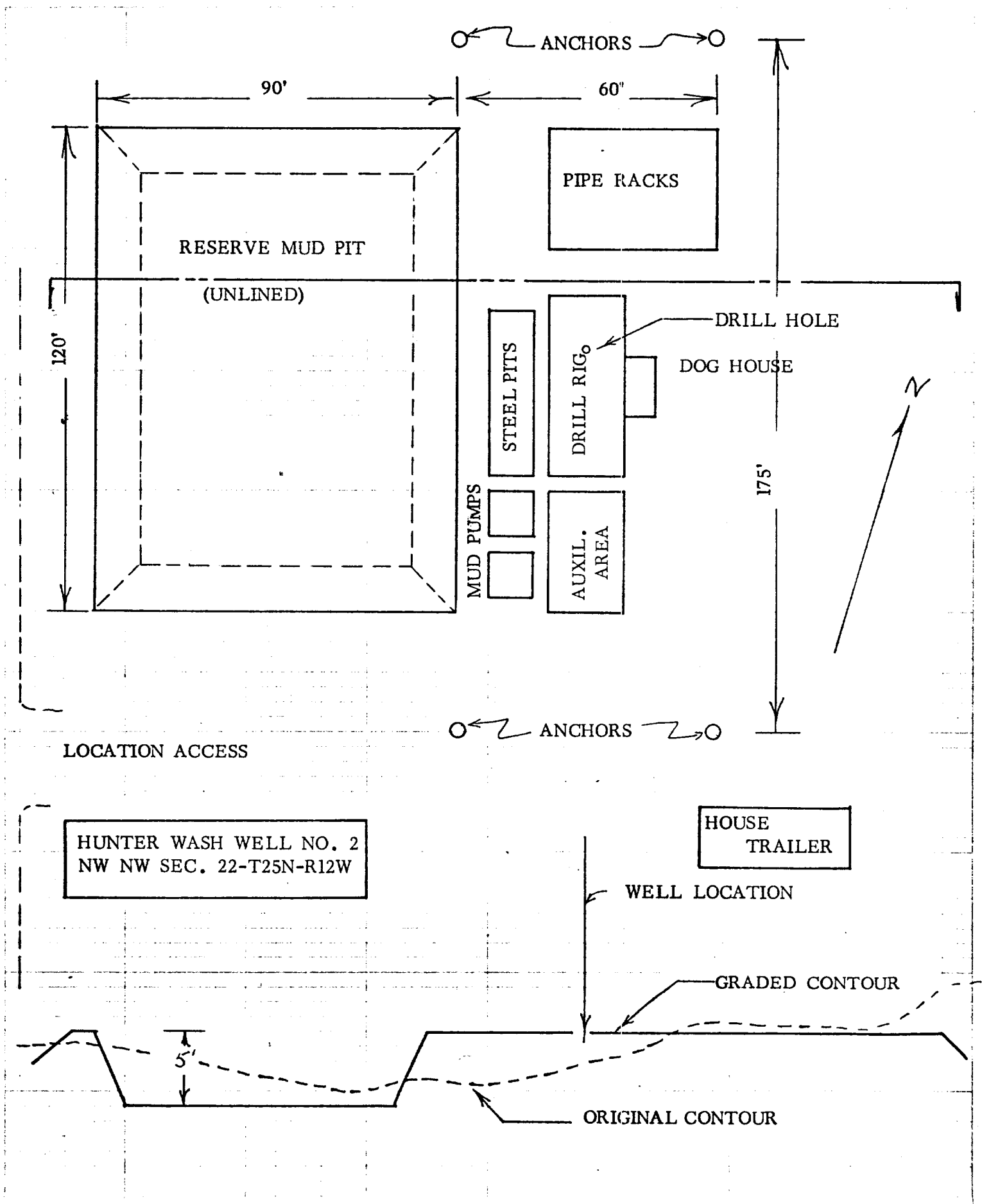
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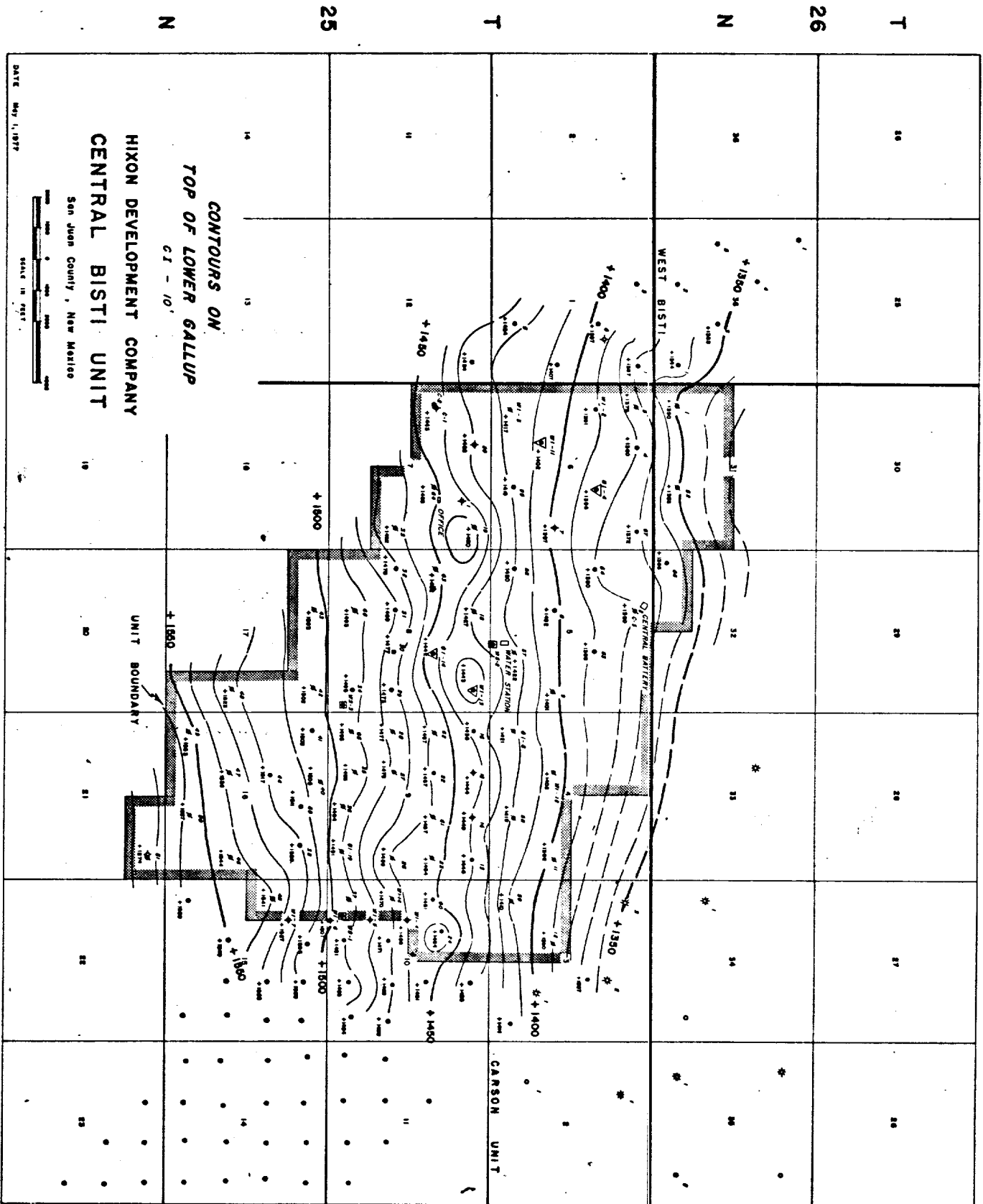
Aldrich L. Kuchera  
Production Manager  
Petroleum Engineer

ALK:dl

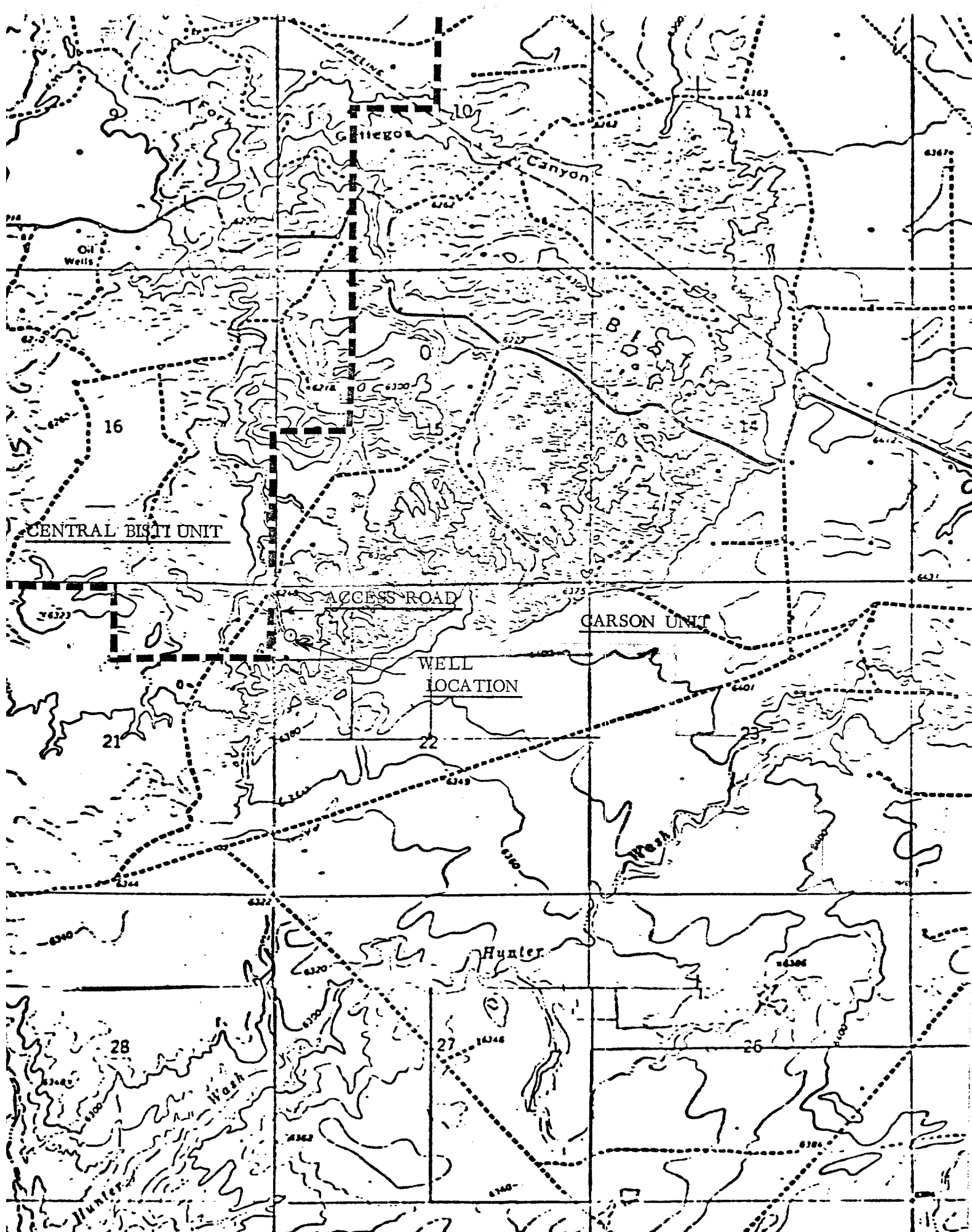
HIXON DEVELOPMENT COMPANY  
DRILLING LOCATION PLAT AND RIG LAYOUT



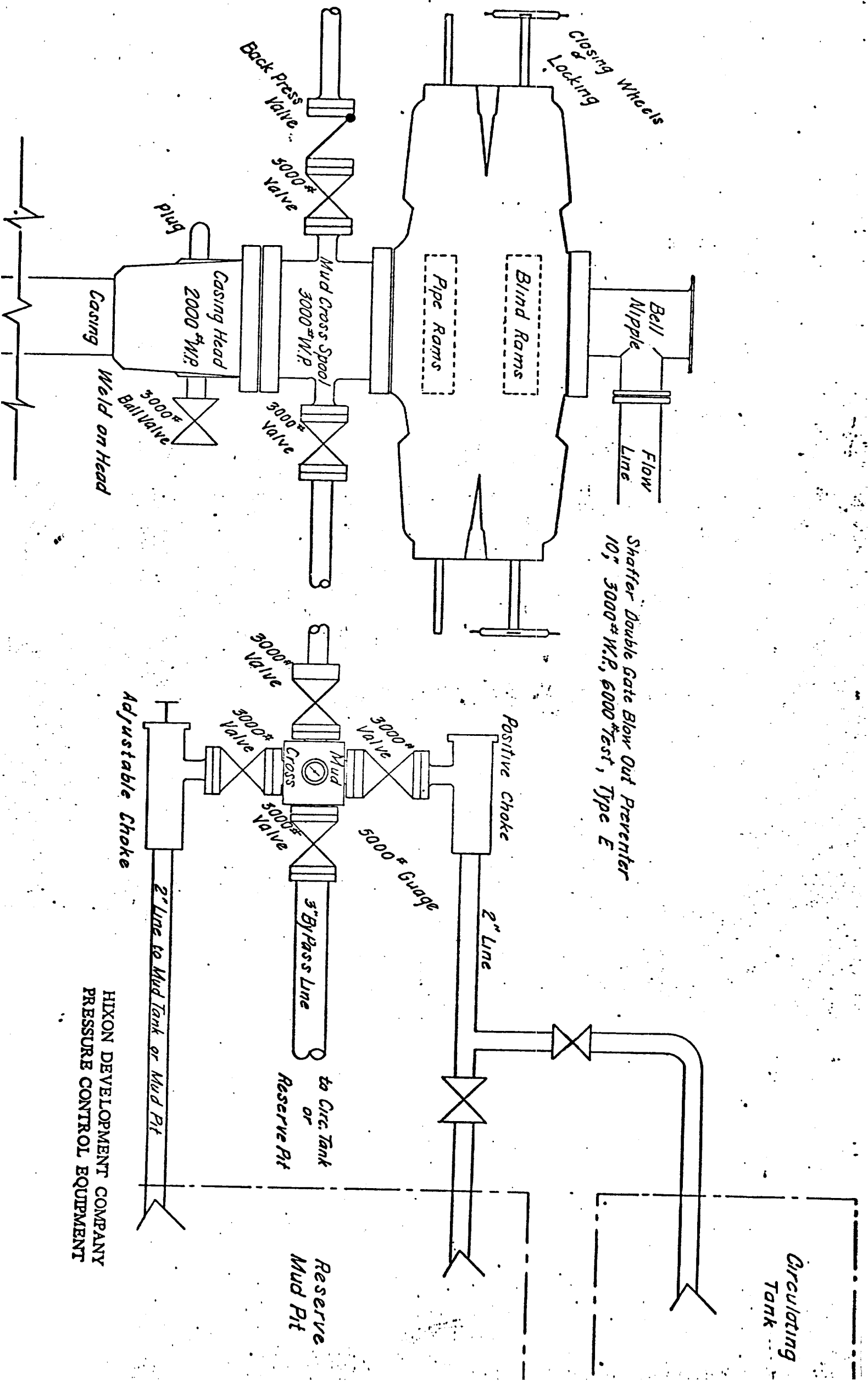
R 13 W R 12 W







HIXON DEVELOPMENT COMPANY  
HUNTER WASH WELL NO. 2  
860' FNL, 330' FWL  
Section 22-T25N-R12W  
SAN JUAN COUNTY, NEW MEXICO



HIXON DEVELOPMENT COMPANY  
PRESSURE CONTROL EQUIPMENT

N MEXICO OIL CONSERVATION COMMISS.  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
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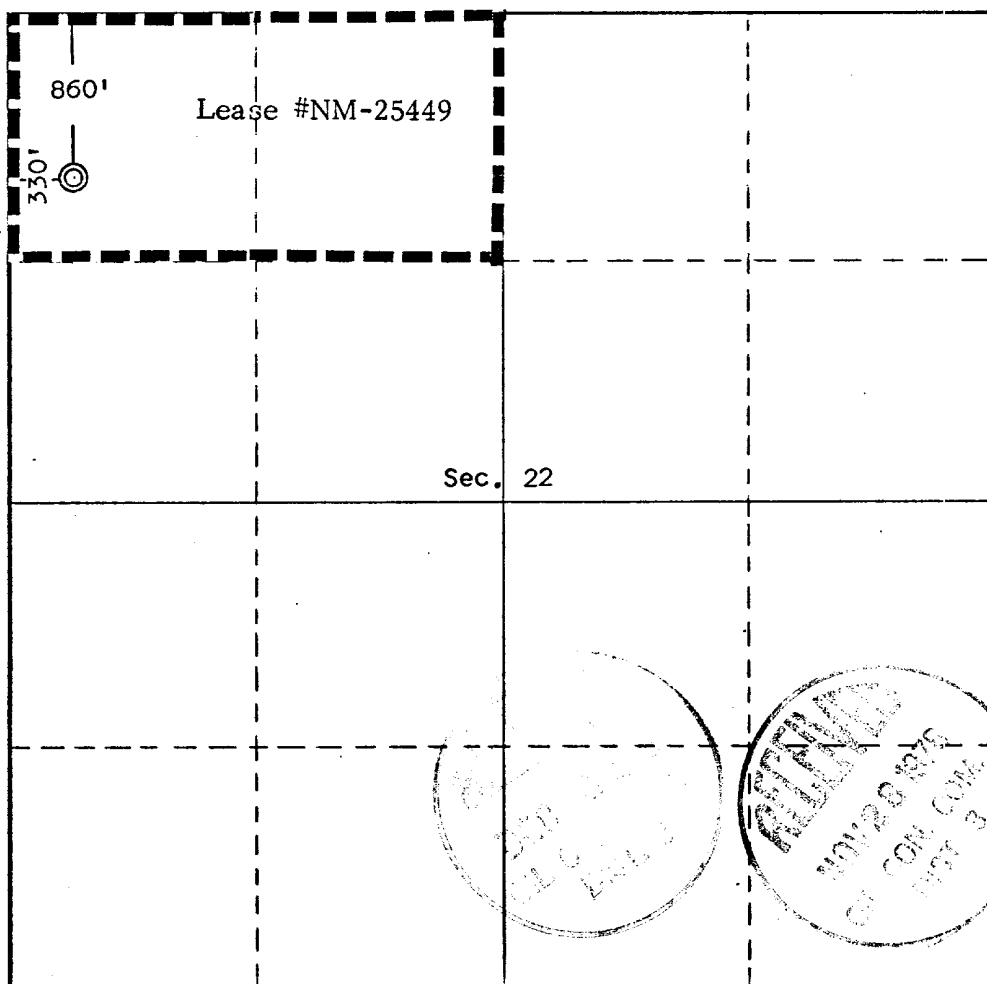
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Ground Level Elev. <b>6268</b>	Producing Formation <b>Lower Gallup</b>		Pool <b>Bisti Lower Gallup</b>	Dedicated Acreage: <b>80</b> Acres	

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*Aldrich L. Kuchera*

Name  
**Aldrich L. Kuchera**  
Position  
**Petroleum Engineer**  
Company  
**Hixon Development Co.**  
Date  
**October 31, 1978**

**EDGAR L. RISEHOOPER**  
REGISTERED LAND SURVEYOR  
NEW MEXICO  
1979

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Date Surveyed  
**October 27, 1978**  
Registered Professional Engineer and/or Land Surveyor  
*Edgar L. Risehooper*  
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