

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Hicks Enco, Inc.

3. ADDRESS OF OPERATOR

2313 Santiago, Farmington, New Mexico 87401

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

At surface

2455' from West line and 1230' from south line

At proposed prod. zone

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

10 miles north and 4 miles east of Shiprock

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

2640'

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20 40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

1300'

20. ROTARY OR CABLE TOOLS

Rotary

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

Ground 5290

22. APPROX. DATE WORK WILL START*

11-1-79

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9"	7"	23#	60'	15 SKS
6 1/4"	4 1/2"	10.5 #	1300'	200 SKS

Drill to top of Gallup with air. Mud up. Drill Gallup to approximately 1300'. Run logs. Run 4 1/2" casing and cement to the surface. Perforate and frac producing zone. Run rods and tubing, set pumping unit. Put on production. If well is dry will plug and abandon as per USGS instructions. Blow out preventor will be installed and checked daily.

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

J. D. Hicks

TITLE

PRESIDENT

DATE 10-31-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

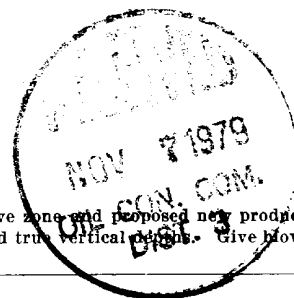
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ok

RECEIVED



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.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-107
Revised 10-1-78

All distances must be from the outer boundaries of the Section

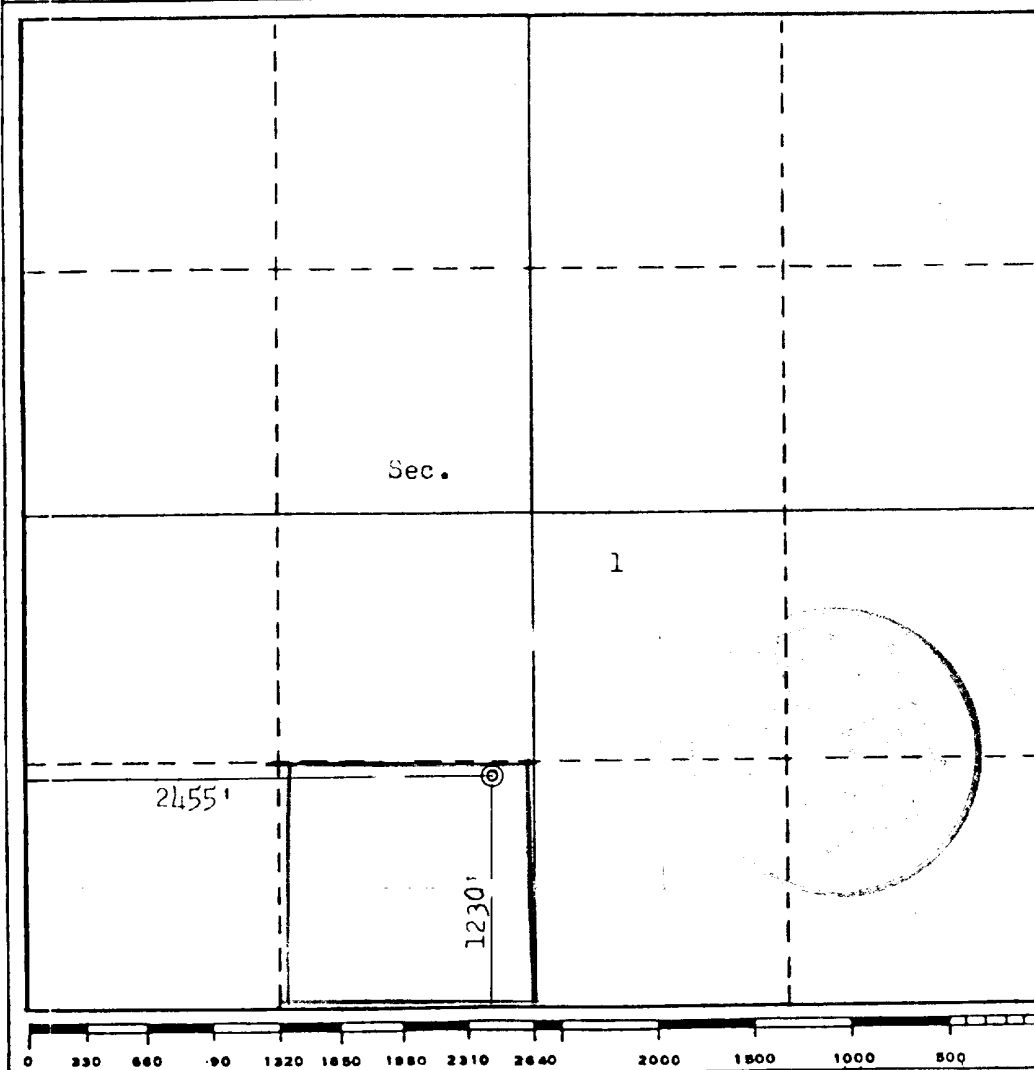
Operator PICKS ENCO, INCORPORATED			Lease Tribe of Indians NAVAJO "G"		Well No. 225
Unit Letter N	Section 1	Township 31N	Range 17W	County San Juan	
Actual Footage Location of Well: 1230 feet from the South line and 2455 feet from the West line					
Ground Level Elev. 5285	Producing Formation Gallup		Pool Horseshoe	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 _____

Position _____

Company _____

Date _____

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 _____

October 18, 1979

Registered Professional Engineer

and Licensed Surveyor

Fred B. Kern, Jr.

Certificate No. MEX.

20560 FRED B. KERN, JR.

HICKS ENCO, INC.

2313 SANTIAGO PHONE: (505) 325-3950
FARMINGTON, NEW MEXICO 87401

PLAN OF OPERATION FOR DRILLING AND COMPLETION OF NAVAJO "G" 225

1. Existing Roads - See enclosed map (exhibit A)
2. Planned access roads - No access roads are necessary.
3. Location of existing wells - See enclosed map (exhibit A)
4. Tank and production facilities are shown on enclosed map as small squares. (exhibit A)
5. The nearest water source is the San Juan River approximately 15 miles south of proposed location. We will use water from our water supply well located in the NW $\frac{1}{4}$ of Section 10 for drilling purposes.
6. No construction material will be required.
7. A burn pit for disposal of waste will be provided. It will be covered later.
8. No ancillary facilities will be needed.
9. Well layout - See attached plat (exhibit B)
10. When pits are in suitable condition for filling they will be filled. All disturbed surfaces will be seeded as instructed by the B.I.A.
11. Other information - See Archaeological Survey (exhibit C)
12. Operators Representative:
J. D. Hicks
2313 Santiago, Farmington, New Mexico 87401
505-327-3788 (business) 505-325-3950 (home)
13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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 a Drilling Company of our choice and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

11/1/79
DATE


J.D. Hicks

, PRESIDENT

NMOCG

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M
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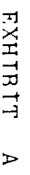
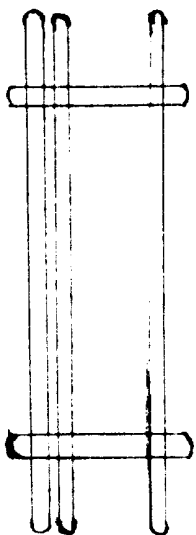


EXHIBIT B

o beachman

Rig - 35 ft long

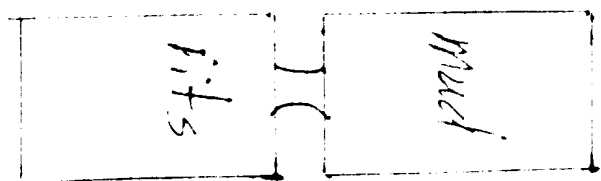
o



Pipe racks 35 ft long

o beachman

o beachman



air compressor

mud pump

Reserve pit

o beachman



in scale

Report 79-SJC-295
Permit 79-NM-123 and Navajo Tribal
Consent to Issuance #52
79-NM-141

An Archaeological Clearance Survey of
Two Proposed Well Locations
And One Proposed Access Road
Conducted for Hicks Enco, Incorporated

L. Jean Hooton
Cultural Resource Management
San Juan Campus
New Mexico State University

26 October 1979

EXHIBIT C

An Archaeological Clearance Survey of
Two Proposed Well Locations
And One Proposed Access Road
Conducted for Hicks Enco, Incorporated

On October 25, 1979, L. Jean Hooton from the Cultural Resource Management Program, New Mexico State University, San Juan Campus, conducted an archaeological clearance survey at the request of Mr. J. D. Hicks, Hicks Enco, Inc.

Present during the survey were Messrs. J. D. Hicks; Jim Hill, Allen Construction Co.; Andy Stump, U.S. Geological Survey - Farmington office; Bob Marler, Bureau of Land Management - Farmington office; Randy Cornett and Larry Nez, Bureau of Indian Affairs - Shiprock office.

The proposed well locations are on lands administered by the Bureau of Land Management, Federal Antiquities permit 79-NM-141; and the Navajo Tribe, Federal Antiquities permit 79-NM-123 and Navajo Tribal Consent to Issuance #52.

METHODOLOGY

The well locations were surveyed by walking parallel transects, 75 feet apart, over a 300 x 300 foot easement. The access road was inspected by walking to and from the well location along the flagged route.

GENERAL RECOMMENDATIONS

There were no cultural resources found and archaeological clearance is recommended.

Proposed Well:

NAVAJO "G" #225

(Figure 2)

Land Status:

Navajo Tribe.

Location:

The proposed well will be in the NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 1, Township 31 North, Range 17 West, N.M.P.M., San Juan County, New Mexico. The location is 1230 feet from the South line and 2455 feet from the West line of Section 1.

Access:

Existing.

Terrain:

Gently rolling alluvial slope with southwesterly drainage.

Soil:

Sandy, clayey loam.

Vegetation:

Russian thistle, wild mustard, shadscale, saltbush, brome.

Cultural Resources:

None found.

Recommendations:

Clearance is recommended.

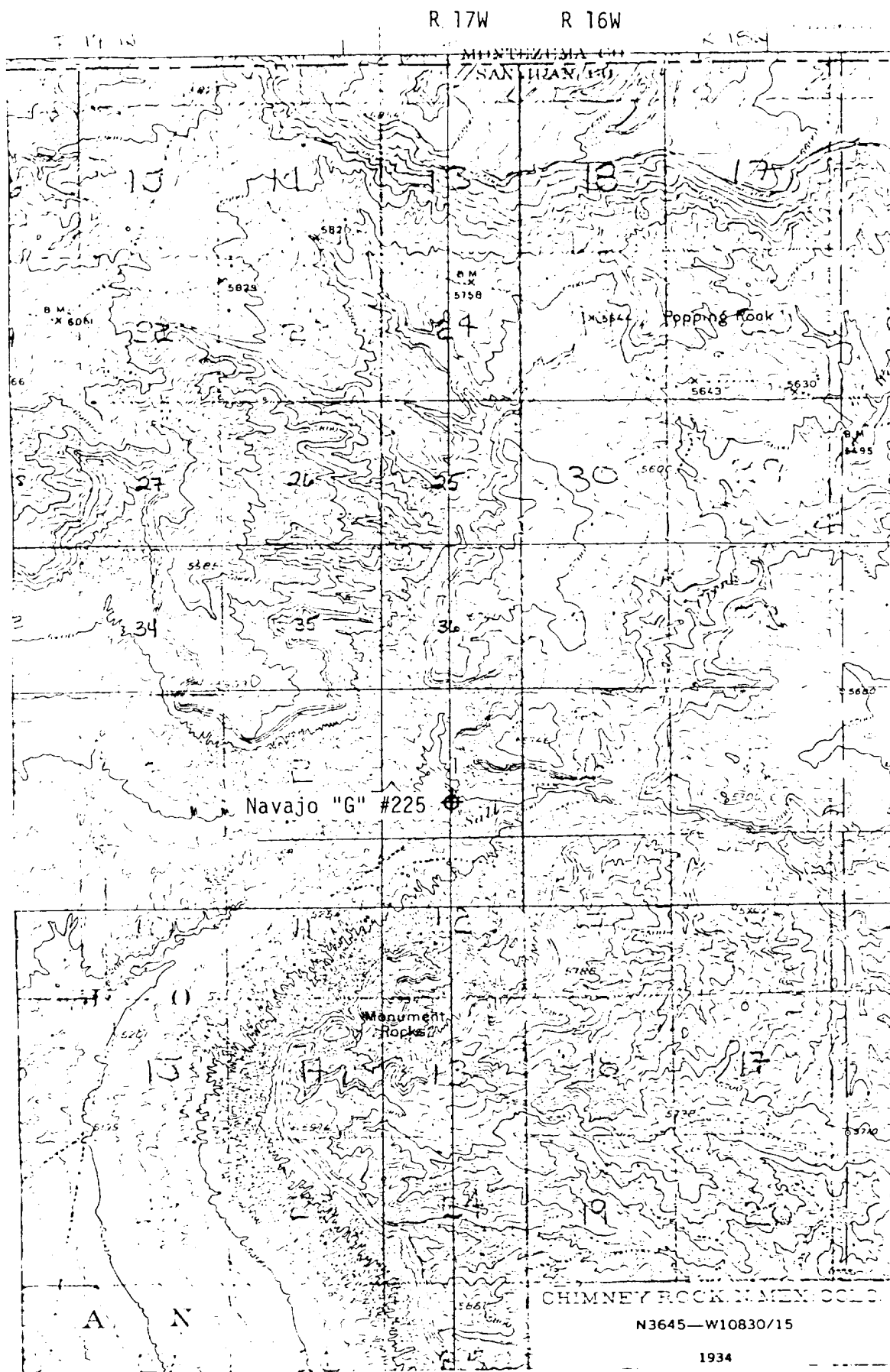
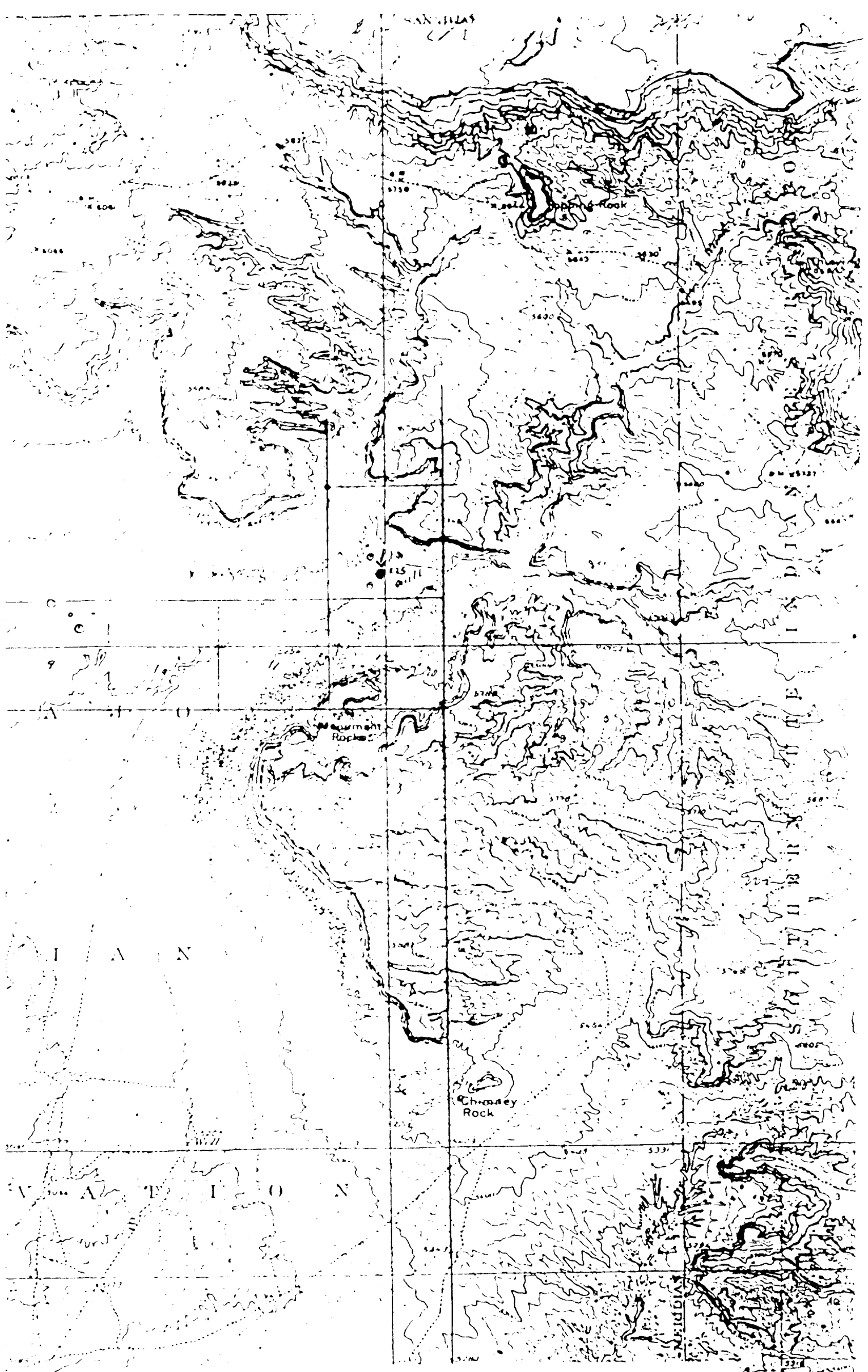


Figure 2



Vicinity Map for
HICKS ENCO, INCORPORATED #225 NAVAJO "G"
1230' FSL 2455' FWL Sec 1-T31N-R17W
SAN JUAN COUNTY, NEW MEXICO