

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-23962
5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-2034

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
Navajo F

8. FARM OR LEASE NAME
Tribe of Indians

9. WELL NO. A
147

10. FIELD AND POOL, OR WILDCAT
Horseshoe Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 9 - T31N - R7W

12. COUNTY OR PARISH 13. STATE
San Juan New Mexico

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 Injection 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 proposed prod. zone
At proposed prod. zone
5' south of north line and 2540' east of west line

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10 miles north and 4 miles east of Shiprock, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
2640'
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
2560

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.
920'

19. PROPOSED DEPTH
1070'

20. ROTARY OR CABLE TOOLS
Rotary

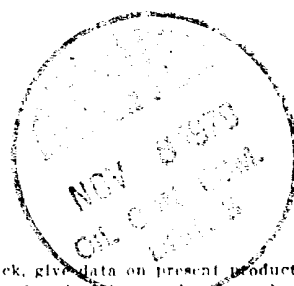
21. ELEVATION (Show whether DF, RT, GR, etc.)
Ground 5242

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 1/2"	4 1/2"	10.5#	1070'	185 SKS

Drill to top of Gallup with air. Mud up. Drill Gallup to approximately 1070'. Run logs. Run and cement casing to T.D. Perforate producing zone. Treat if required. Temporarily place on production. AT end of testing period run tubing with water flood packer and put on injection. If well is dry will plug and abandon as per USGS instructions. Blow out preventor will be installed and checked daily.



18. 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 preventor program, if any.

24. SIGNED J. D. Hicks TITLE PRESIDENT DATE 10-1-79
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

ok Frank

NMOCC

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

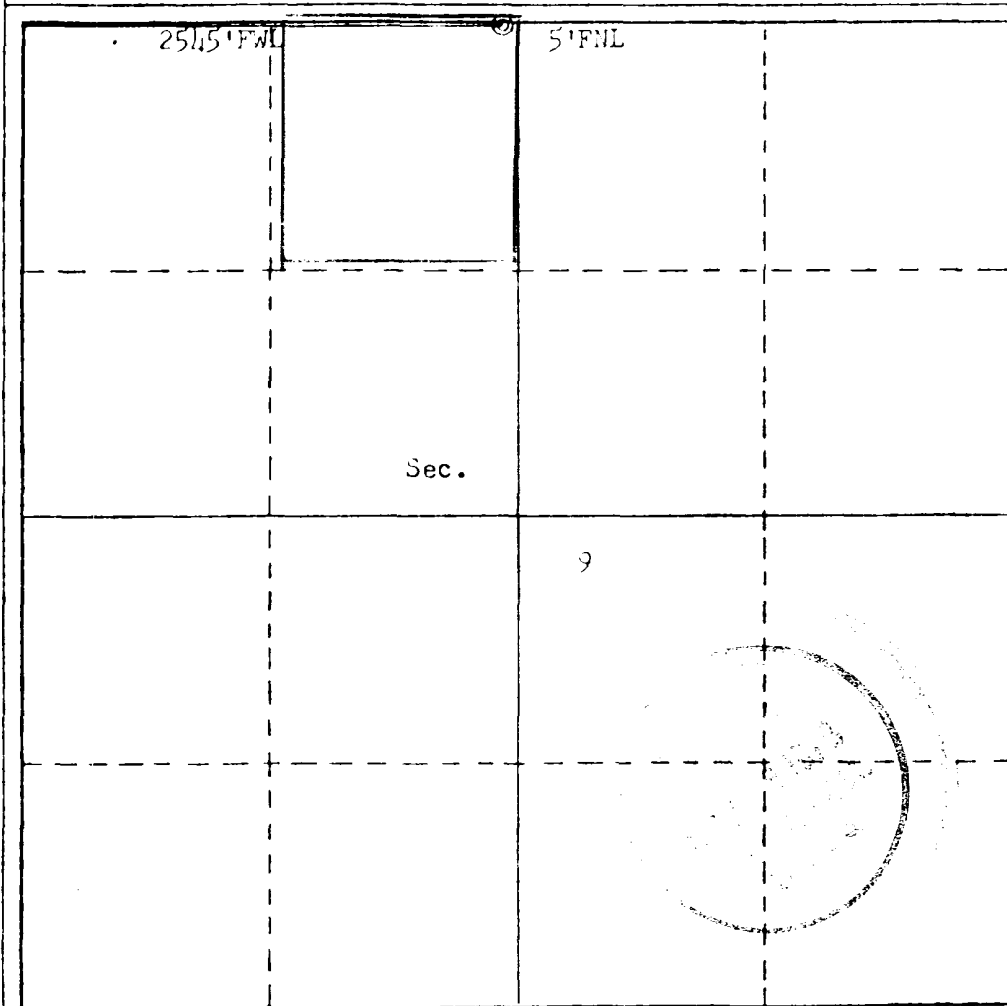
Operator HICKS ENCO INCORPORATED		Lease Tribe of Indians		Well No. 147
Unit Letter C	Section 9	Township 31N	Range 17W	County San Juan
Actual Footage Location of Well: 5 feet from the North line and 2545 feet from the West line				
Ground Level Elev. 5242	Producing Formation Gallup	Pool Horse shoe	Dedicated 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 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.



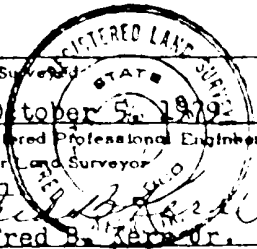
CERTIFICATION

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 5, 1972**
Registered Professional Engineer and/or Land Surveyor
Fred B. ...
Certificate No. **3950**



November 20, 1974

M E M O R A N D U M

TO : Bruce Anderson, Division of Archaeology, National Park Service,
P.O. Box 728, Santa Fe, New Mexico 87501

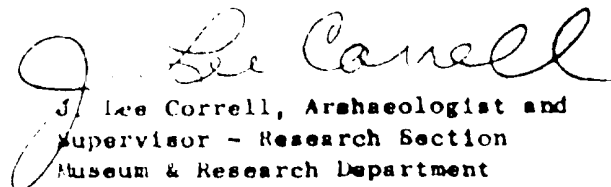
FROM : J. Lee Correll, Archaeologist and Supervisor of Research Section,
Museum and Research Dept., The Navajo Tribe

SUBJECT: Archaeological Clearance - Associated Royalties Lease, 10 Miles
North of Shiprock, New Mexico. Handled by Engineering & Production
Service, Farmington, New Mexico

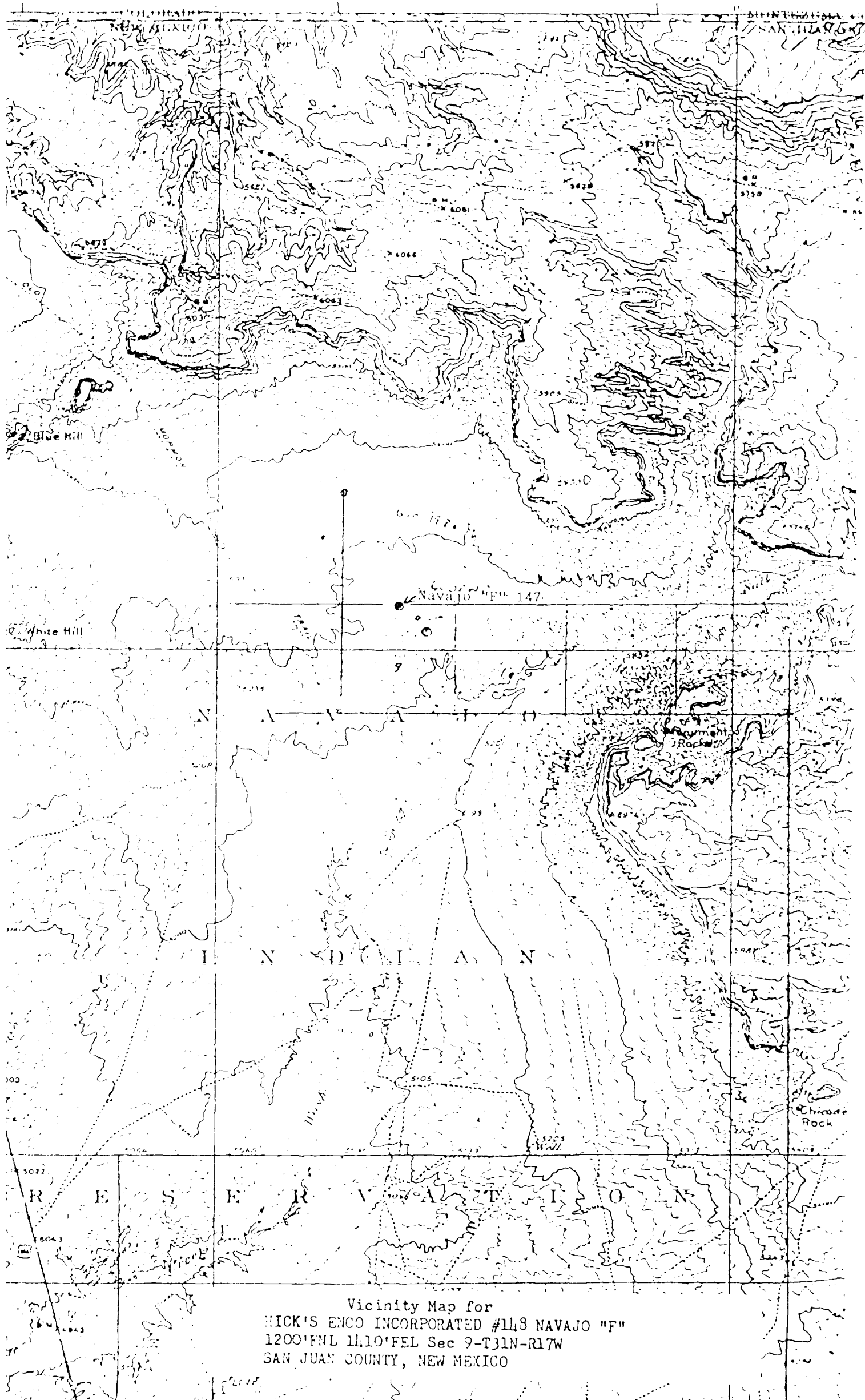
Pursuant to the request of Mr. J. D. Hicks of the Engineering & Production Service Company of Farmington, New Mexico, accompanied by him, I examined the area held under lease by Associated Royalties. The region is something of a big sink, relatively flat with gravel mounds about the periphery. The area is criss-crossed by existing access roads, and there are a number of operating oil wells. Those areas examined, all in Township 10 N, Range 17 W, were:

Section 3 - W ½ only
" 4 - All of Section
" 5 - E ½ only
" 9 - All except the SW ¼
" 10 - All of Section
" 11 - W ½ only

Other than one Navajo family who maintains a dwelling within the area, no evidence of either prehistoric or historic occupancy was noted, and archaeological clearance is hereby recommended.

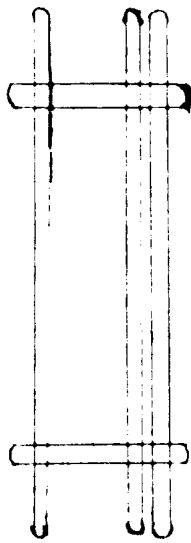

J. Lee Correll, Archaeologist and
Supervisor - Research Section
Museum & Research Department
The Navajo Tribe

CC: ✓ J. D. Hicks
Martin A. Link
File
Chrono

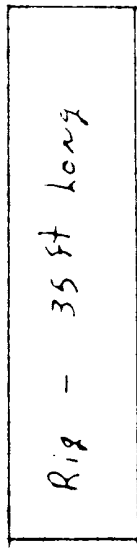


Vicinity Map for
HICK'S ENCO INCORPORATED #148 NAVAJO "F"
1200'FNL 1110'FEL Sec 9-T31N-R17W
SAN JUAN COUNTY, NEW MEXICO

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Pipe racks 30ft long

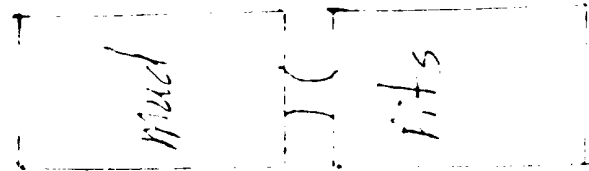


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Reserve
Fit



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