

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY30-043-20588  
5. LEASE DESIGNATION AND SERIAL NO.  
NM-14729

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL ☒GAS ☐OTHER ☐SINGLE ☐MULTIPLE ☐

2. NAME OF OPERATOR

Husky Cil Company

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Husky Federal 34

9. WELL NO.

84

10. FIELD AND POOL, OR WILDCAT

Caldwell Ranch, Gallup

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

H Sec. 34-21N-4W

12. COUNTY OR PARISH

Sandoval

13. STATE

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

2480

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.

N/A

19. PROPOSED DEPTH

4800'

20. ROTARY OR CABLE TOOLS

Rotary

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

7062' GR

22. APPROX. DATE WORK WILL START\*

10-1-81

23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	250'	Circ. to surface
8 3/4"	7"	23#	4800'	300 sx +
SUBJECT TO REVIEW OF THE DATA ATTACHED GENERAL REQUIREMENTS				This action is subject to a tentative appeal pursuant to 50 CFR 250.

We propose to drill the captioned well to test the Gallup formation. We propose to test all shows of oil and/or gas deemed worthy of test and to set casing, as above, or to plug and abandon in accordance with instructions received from the USGS.



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

TITLE

Drilling Engineer

DATE

August 13, 1981

(This space for Federal or State office use)

PERMIT NO.

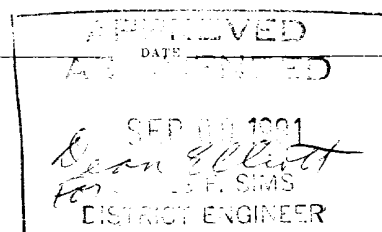
APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ah7



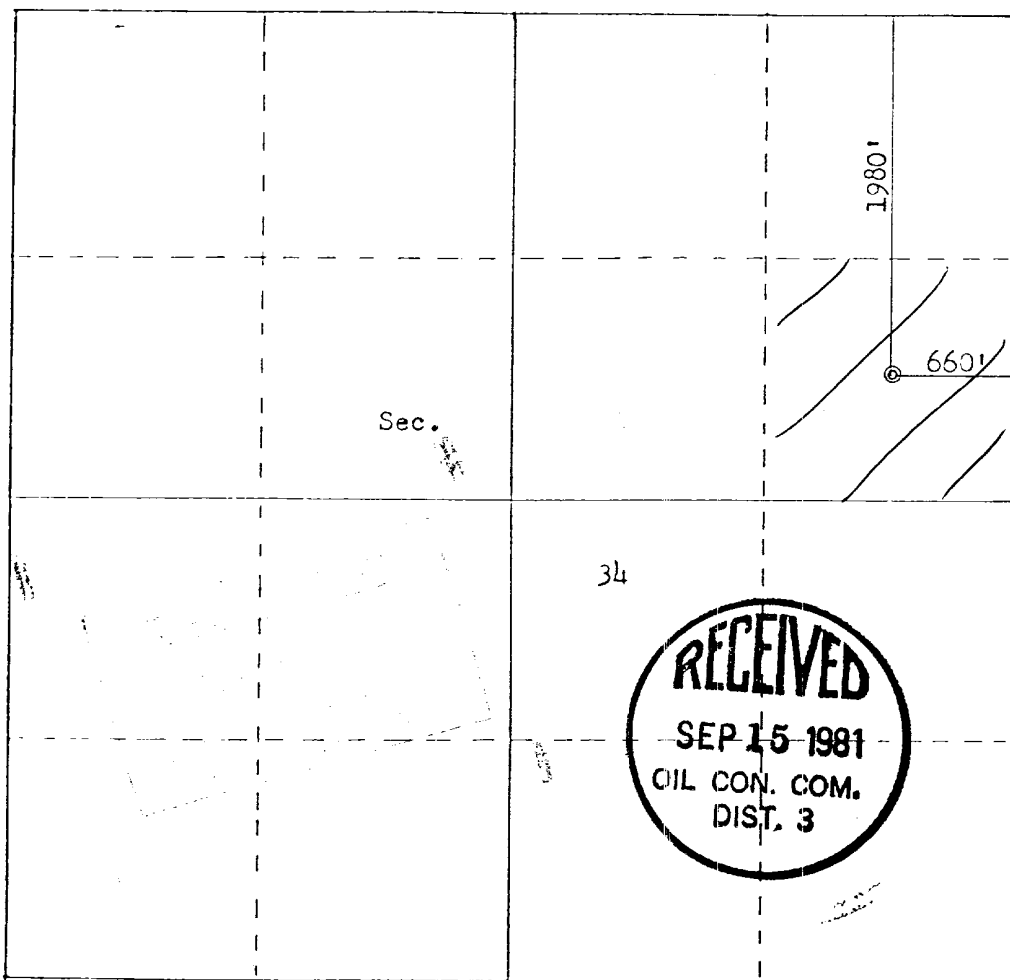
All distances must be from the outer boundaries of the Section.

Operator <b>HUSKY OIL COMPANY</b>			Lease <b>FEDERAL 34</b>		Well No. <b>8</b>
Unit Letter <b>H</b>	Section <b>34</b>	Township <b>21N</b>	Range <b>4W</b>	County <b>Sandoval</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>North</b> line and <b>660</b> feet from the <b>East</b> line					
Ground Level Elev. <b>7052</b>	Producing Formation <b>Gallup</b>	Pool <b>Unnamed</b>		Dedicated Acreage: <b>40</b> 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). *Only 1 lease is dedicated*
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?  
*Only 1 lease is dedicated*  
☐ 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.



Scale: 1"=1000'

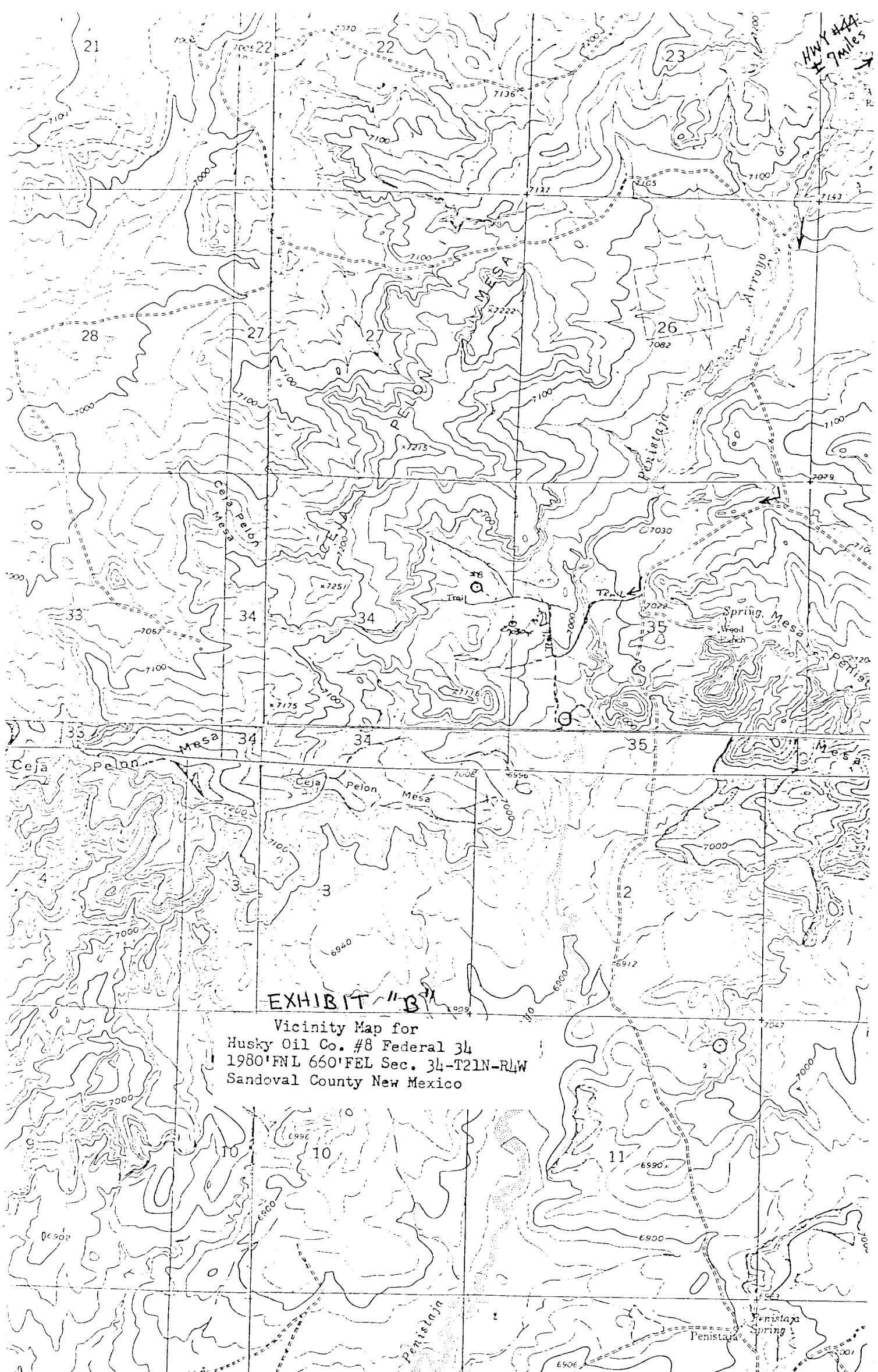
CERTIFICATION

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

Name  
*James E. Gates*  
Position  
*Drilling Engineer*  
Company  
*Husky Oil Company*  
Date  
*8-13-81*

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 Survey  
*August 1, 1981*  
Registered Professional Engineer and Land Surveyor  
*Frederick K. Kere, Jr.*  
Certificate No. *3950*



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

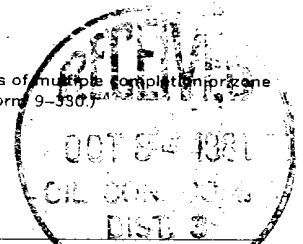
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐  
2. NAME OF OPERATOR  
HUSKY OIL COMPANY  
3. ADDRESS OF OPERATOR  
600 S. Cherry St., Denver, CO 80222  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1980' FNL & 660' FEL SE NE  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH:  
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:  
TEST WATER SHUT-OFF ☐ ☐  
FRACTURE TREAT ☐ ☐  
SHOOT OR ACIDIZE ☐ ☐  
REPAIR WELL ☐ ☐  
PULL OR ALTER CASING ☐ ☐  
MULTIPLE COMPLETE ☐ ☐  
CHANGE ZONES ☐ ☐  
ABANDON\* ☐ ☐  
(other) Request to Change Casing & Cementing Program

5. LEASE  
NM-14729  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Husky Federal  
9. WELL NO.  
8-34  
10. FIELD OR WILDCAT NAME  
Caldwell Ranch, Gallup  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 34-T21N-R4W  
12. COUNTY OR PARISH  
Sandoval  
13. STATE  
New Mexico  
14. API NO.  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
7062' GR

(NOTE: Report results of multiple completion zone change on Form 9-330.)



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.)\*

Husky Oil Company requests permission to change the casing & cementing program submitted in our Application for Permit to Drill the above captioned well. The following changes are requested to meet your Special Stipulation 15.C: cover the Ojo Alamo (estimated @ 860'):

Change the 250', 9-5/8", 36#, K-55, ST&C to: 1000', 8-5/8", 24#, ST&C, K-55. (1000' of surface csg will cover the Ojo Alamo w/cmt. btm of Ojo @ 950'; btm of corrosive zone in Ojo @ 880'.)

Change 8-3/4" hole to 7-7/8" hole.

Change the 4800', 7", 23#, K-55, LT&C to: 4800', 5-1/2", 15.5#, K-55, LT&C. (7" csg not necessary; 5-1/2" adequate.)

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Ken Chandler TITLE Engr. Assistant DATE September 23, 1981

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NMOCC

(Orig. Sgd.) RAYMOND W. VINYARD

Oct 1 1981 DIST. 3