

FILE NOTATIONS

Entered in NID File

Location Map Pinned

Card Indexed

Checked by Chief

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed 11/21/76

Location Inspected

OW..... WW..... TA.....

GW..... OS..... PA.✓

Bond released

State or Fee Land

LOGS FILED

Driller's Log.✓.....

Electric Logs (No.) ✓.....

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

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
 Houston Oil and Minerals Corporation

3. ADDRESS OF OPERATOR
 1700 Broadway Suite 504 Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 2478 FWL 1854 FSL of Sec. 29-T38S-R16E
 At proposed prod. zone same SE NE SW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx 25 mi. NW of Mexican Hat

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1854

18. NO. OF ACRES IN LEASE
 2537

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.
 None nearby

19. PROPOSED DEPTH
 5000

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GLE 5170

22. APPROX. DATE WORK WILL START*
 August 1976

5. LEASE DESIGNATION AND SERIAL NO.
 U-29607

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 23-29

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA
 Sec 29-T38S-R16E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48	150	200
11	8 5/8	24	2000	125
7 7/8	4 1/2	9.5	5000	to cover prod. zones

Set 13 3/8 conductor, circ. cement, install BOP, drill to approx. 2000' with native mud, set 8 5/8 surface casing-nipple up with 10" ser 900 double-hydraulic Ram Type BOP, install necessary fill, kill, and choke lines. Pressure test to 1000 psi. No high pressures anticipated, but minimum safety requirements for the State of Utah and USGS will be followed.

Drill to approx. 5000' TD, using air or foam if possible, or low solids chem-gel drilling mud. Mud logging and sample analysis will be used from surface to total depth, with cores and DSTs taken when necessary to properly evaluate any potential productive zones.

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.

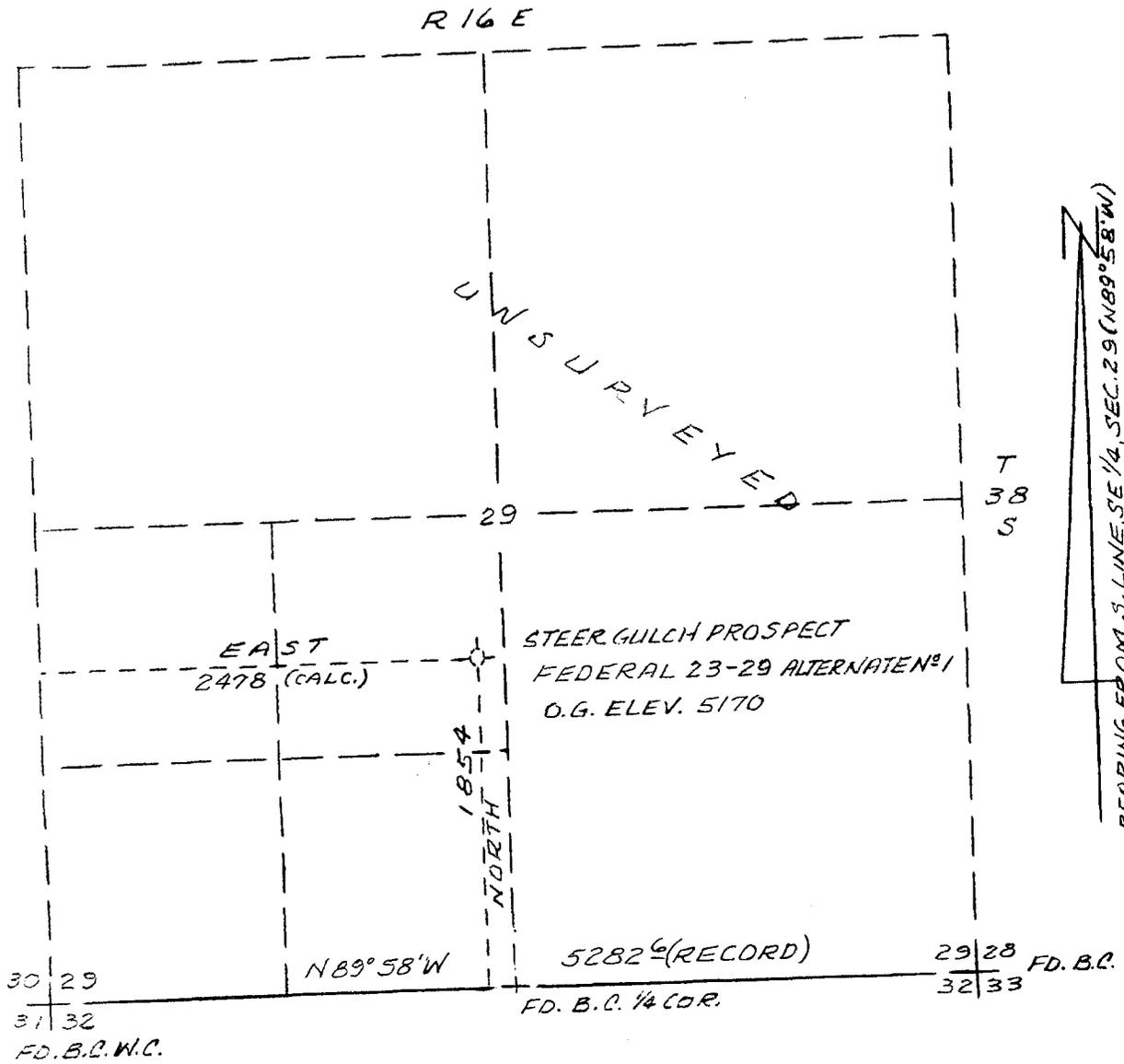
24. SIGNED Bon Scott TITLE Drill Engineer DATE 7-12-76

(This space for Federal or State office use)

PERMIT NO. 13-031-30305 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



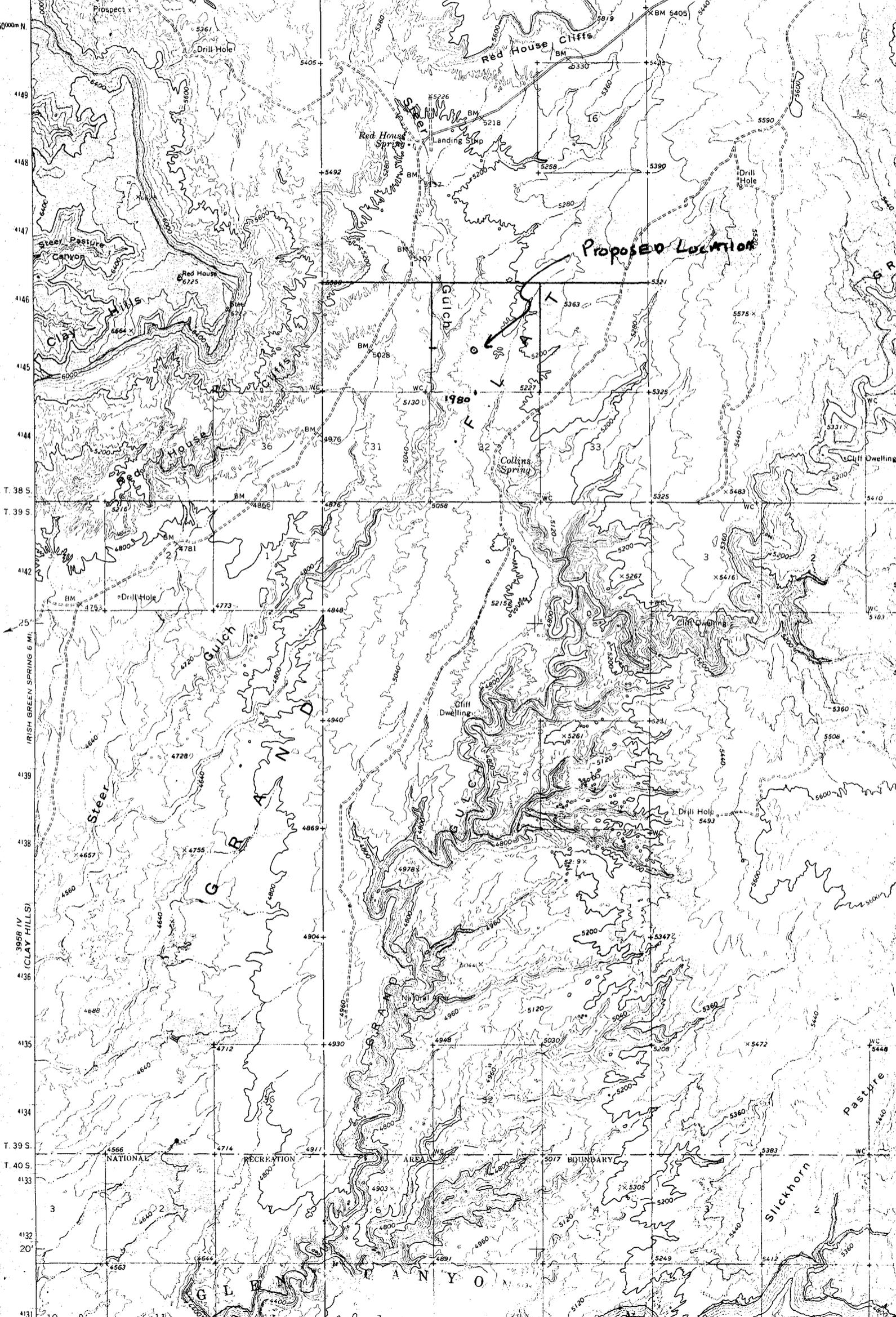
WELL LOCATION PLAT
 STEER GULCH PROSPECT FEDERAL 23-29,
 ALTERNATE #1
 IN NE 1/4 S W 1/4, SECTION 29, T 38 S, R 16 E, S. L. B. & M.
 SAN JUAN COUNTY, UTAH
 FOR HOUSTON OIL & MINERALS CORP.
 TRANSIT & DISTANCE METER SURVEY
 ELEV. FROM SE COR., SEC. 29 (5227),
 U.S.G.S. QUAD. "GRAND GULCH, UTAH" 1963
 BY VERTICAL ANGLES
 1"=1000' MAY 26, 1976

John E. Keogh
 UTAH REG'D. L.S. No 1963

STEER GULCH Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

110° 15' 37" 30" W 37° 30' E 670000 E 68 69 70 R. 15 E. R. 16 E. 72 73 10' 74 8.5 MI. TO UTAH 95 76 (NATURAL BRIDGES) 3959 II





CIRCULATE TO:

- DIRECTOR _____
- PETROLEUM ENGINEER _____
- MINE COORDINATOR _____
- ADMINISTRATIVE ASSISTANT _____
- ALL _____

RETURN TO Lathey
FOR FILING

CHARLES H. MARTIN
Box 1267
Littleton, Colorado 80120
303-794-7292

July 29, 1976

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attention Mr. Cleon Feight, Director

Re: Houston Oil and Minerals Corp
Lease No. U-29607
Steer Gulch Prospect
Well No. Federal 23-29
Location: NE SW Sec. 29-T38S-R16E

Dear Mr. Feight:

Federal 23-29 was moved from the C NE SW Sec. 29 (1980 FWL 1980 FSL) to an alternate (2478 FWL 1854 FSL) which is still in the NE SW of Sec. 29 because of topography. The attached copy of a section of the Grand Gulch Quadrangle Map does not show too clearly, but the original site was on a bare rock area, close to a shallow but rough rock-walled drainage canyon.

The operator does own all the leases within at least 660' of the alternate location.

Very truly yours,

C. H. Martin

CHM:cem
enclosure

DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: August 6, 1976
Operator: Houston Oil & Minerals
Well No: 23-29
Location: Sec. 29 T. 38S R. 16E County: San Juan

File Prepared Entered on N.I.D.
Card Indexed Completion Sheet

Checked By:

Administrative Assistant: [Signature]

Remarks:

Petroleum Engineer/Mined Land Coordinator: O.K. Put

Remarks: Topographical Exception o.k. for
unorthodox location

Director: [Signature]

Remarks:

Pulled copy
[Signature]

Include Within Approval Letter:

Bond Required Survey Plat Required
Order No. _____ Blowout Prevention Equipment
Rule C-3(c) Topographical exception/company owns or controls acreage
within a 660' radius of proposed site
O.K. Rule C-3 O.K. In _____ Unit
Other:

Letter Written

August 6, 1976

Houston Oil & Minerals Corporation
1700 Broadway
Suite 504
Denver, Colorado 80203

Re: Well No. Federal 23-29
Sec. 29, T. 38 S, R. 16 E,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-037-30305.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

CBF:sw
cc: U.S. Geological Survey

11/3/76

Mr Hallingsworth P 7 A

Houston oil & mines

ster glen Fed 23-29

TD 3440

13³/₈ to 175

92⁸/₈ to 1865 will salvage what they can

received plugging program from Phil McGlothlin

miss 3280

molus 3080

Houston 1350

Sebar miss surfers



HOUSTON OIL & MINERALS CORPORATION



December 9, 1976

Division of Oil, Gas and Mining
1588 West, North Temple
Salt Lake City, Utah 84116

Re: Steer Gulch
Federal 23-29
NE/SW Sec. 29-R38S-R16E
San Juan County, Utah

Attention: Mr. Pat Driscoll

Gentlemen:

Enclosed are two copies of a sundry notice reporting the plug and abandoning of the subject well and also a well completion report.

In the event you require additional information, please do not hesitate to call.

Respectfully yours,

Gail A. Souder
Drilling Secretary

gs
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-29607

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

23-29

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 29-T38S-R16E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug a well to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER *Plugged and Abandoned*

2. NAME OF OPERATOR
Houston Oil and Minerals Corporation

3. ADDRESS OF OPERATOR
1700 Broadway-Suite 504, Denver, Colorado 80290

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.
See also space 17 below.)
At surface

2478' FWL and 1854' FSL of Section 29, T38S, R16E

14. PERMIT NO.

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

GLE 5170'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(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.)*

Plugged well as follows: (due to lack of any perspective shows):

#1 3200-3350' (75 sx)

#2 1275-1425' (60 sx)

Shot off and pulled 1284' of 9-5/8" casing

#3 125-225' (60 sx)

#4 0-15' (15 sx)

Displaced plugs with mud laden fluid

Dry hole marker installed.

Well plugged as per instructions from J. L. Long, (USGS) and Pat Driscoll (State of Utah) on 11-4-76. Location is ready for final inspection (will be reseeded in the spring).

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

SIGNED

Ronald D. Scott
Ronald D. Scott

TITLE

District Drilling Engineer

DATE

12-8-76

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U-29607

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

23-29

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 29-T38S-R16E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1a. TYPE OF WELL:

OIL WELL GAS WELL DRY Other

b. TYPE OF COMPLETION:

NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other

2. NAME OF OPERATOR

Houston Oil and Minerals Corporation

3. ADDRESS OF OPERATOR

1700 Broadway-Suite 504, Denver, Colorado 80290

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

At surface

2478' FWL and 1854' FSL of Section 29, T38S, R16E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

9-27-76

15. DATE SPUDDED

10-3-76

16. DATE T.D. REACHED

11-2-76

17. DATE COMPL. (Ready to prod.)

N/A

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

GLE 5170'

19. ELEV. CASINGHEAD

5171'

20. TOTAL DEPTH, MD & TVD

3440'

21. PLUG, BACK T.D., MD & TVD

surface

22. IF MULTIPLE COMPL., HOW MANY*

N/A

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

yes

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

N/A

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL/LL8, BHC/Sonic

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.3	1865	12 1/4"	130 sx cement	1284'

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A		

31. PERFORATION RECORD (Interval, size and number)

N/A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
N/A		P&A					
DATE OF TEST	HOURS TESTED	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Ronald D. Scott

TITLE District Drilling Engineer

DATE 12-8-76

*(See Instructions and Spaces for Additional Data on Reverse Side)



INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency 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. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

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 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
None	-	-	-

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Cedar Mesa	spud	
Hermosa	1340'	
Molas	3062'	
Mississippian	3288'	



CALVIN L. RAMPTON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

GUY N. CARDON
Chairman

DEPARTMENT OF NATURAL RESOURCES

CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
HYRUM L. LEE

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

CLEON B. FEIGHT
Director

January 4, 1976

Houston Oil & Minerals Corp.
1700 Broadway Suite 504
Denver, Colorado 80290

Re: Well No. Federal 23-29
Sec. 29, T. 38S, R. 16E
San Juan County, Utah

Gentleman:

This letter is to advise you that the electric and or radioactivity logs for the above referred to well are due and have not been filed with this office as required by our rules and regulations.

If electric and or radioactivity logs were not run on said well, please make a statement to this effect in order that our records may be kept accurate and complete.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

KATHY OSTLER
RECORDS CLERK