

FILE NOTATIONS

Entered in NID File
Location Map Pinned
and Indexed

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed *1/18/77*
..... WW..... TA.....
..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
BNC Sonic GR..... Lat..... MI-L..... Sonic.....
CBLog..... CCLog..... Others.....

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

MAY 3, 1976

MR. ED GUYNN
U. S. GEOLOGICAL SURVEY
8426 FEDERAL BUILDING
SALT LAKE CITY, UTAH, 84111

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH, 84111

RE: BURTON/HAWKS, INC.
GRASSY HOLLOW FEDERAL #28-1
SW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 28, T6S-R7W

BURTON/HAWKS, INC.
NUTTERS RIDGE FEDERAL #5-1
SW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 5, T6W-R4W

BURTON/HAWKS, INC.
LEFT FORK ANTELOPE CANYON
FEDERAL #23-1
NE $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 23, T6S-R4W

BURTON/HAWKS, INC.
RIGHT FORK ANTELOPE CANYON
FEDERAL #25-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ SEC. 25, T6S-R5W

BURTON/HAWKS, INC.
WIRE FENCE CANYON FEDERAL #15-1
NE $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 15, T6S-R5W

ALL IN DUCHESNE COUNTY, UTAH

GENTLEMEN:

ENCLOSED PLEASE FIND THE FOLLOWING FORMS AND INFORMATION PERTAINING TO THE DRILLING OF THE ABOVE CAPTIONED WELLS:

- | | |
|---------------------|------------------------------|
| 1. 12-POINT PROGRAM | 4. NOTICE OF INTENT TO DRILL |
| 2. 7-POINT PROGRAM | 5. LOCATION PLATS |
| 3. OPERATING PLAN | 6. TOPO MAPS |

THE DRILLING BOND FOR THESE WELLS IS BEING OBTAINED BY THE LESSEE, NATURAL RESOURCES CORPORATION, AND WILL BE FORWARDED TO YOU AS SOON AS IT IS OBTAINED, ALONG WITH A DESIGNATION OF OPERATOR FOR BURTON/HAWKS, INC.

IF FURTHER INFORMATION IS REQUIRED, PLEASE LET US KNOW.

YOURS VERY TRULY.

BURTON/HAWKS, INC.

Robert E. Wellborn
ROBERT E. WELLBORN,
EXPLORATION MANAGER

ATTACHMENTS



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

May 4, 1976

Mr. Robert E. Wellborn
Burton/Hawks, Inc.
P. O. Box 359
Casper, Wyoming 82602

Re: Applications for Permit to Drill
Your transmittal May 3, 1976

Dear Mr. Wellborn:

Receipt is acknowledged of the Applications for Permit to Drill (5) transmitted under your letter of May 3, 1976. A preliminary review of each Application discloses the following:

(1) Part 4 of the APD -- locations are shown as $\frac{1}{4}$ $\frac{1}{4}$ sections. The attached survey plats are not properly identified as to well number. The location must be shown in feet and direction from the nearest lines of established public survey (section lines).

(2) Part 23 of the APD -- This section does not state what you intend to do. Any production casing that may be run and cemented is not shown.

(3) No scale is shown on the sketches of "Production Facilities."

(4) Only one copy each of the topographic maps were received. The submitted maps or the 12-Point Plan do not reflect any road improvements to existing roads that may be necessary. Part 2 of the 12-Point Plans does not give width of newly constructed roads, ditching, crowning, drainage crossings (culverts), etc., are not prescribed. (See copy of attached Surface Use Plan.)

We are returning the five Applications for Permit to Drill (APD's) for the above corrections. Please refer to 30 CFR Part 221.58(a), Page 15, for

correction of the APD's -- Parts 4 and 23. Processing will commence on receipt of the corrected APD's.

Sincerely yours,



E. W. Guynn
District Engineer

Attachments:
12-Point Plan
Code of Fed. Reg./
Oil and Gas Operating Reg.
5 APD's



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

May 5, 1976

Mr. Robert E. Wellborn
Burton/Hawks, Inc.
P. O. Box 359
Casper, Wyoming 82602

Re: Applications for Permit to Drill
Your transmittal May 3, 1976
Our letter May 4, 1976

Dear Mr. Wellborn:

In reference to our letter to you dated May 4, 1976, we neglected to also include the following:

(5) Please refer to Rule 30 CFR 221.20 regarding well location restrictions.

Sincerely yours,

E. W. Guynn
District Engineer

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
 BURTON/HAWKS, INC.

3. ADDRESS OF OPERATOR
 P. O. BOX 359, CASPER, WYOMING, 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface SW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 28, T6S-R7W
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 22 $\frac{1}{2}$ MILES FROM DUCHESNE

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 239' FWL

16. NO. OF ACRES IN LEASE 2,478.76

17. NO. OF ACRES ASSIGNED TO THIS WELL 160 ACRES

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A

19. PROPOSED DEPTH 3800' WASATCH

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7795 UNGRADED GROUND

22. APPROX. DATE WORK WILL START*
 JUNE 20, 1976

5. LEASE DESIGNATION AND SERIAL NO.
 U-9000

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 -

7. UNIT AGREEMENT NAME
 -

8. FARM OR LEASE NAME
 -

9. WELL NO.
 GRASSY HOLLOW FED. 28-

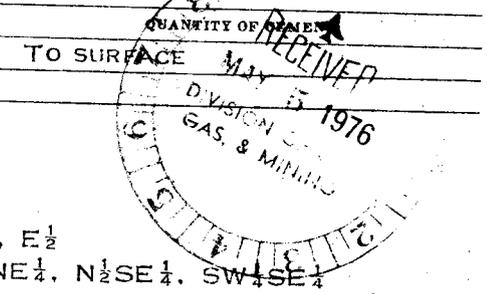
10. FIELD AND POOL, OR WILDCAT
 WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC. 28, T6S-R7W

12. COUNTY OR PARISH 13. STATE
 DUCHESNE UTAH

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 $\frac{1}{4}$	8-5/8"	24#	200'



T6S-R7W
 SEC. 28: ALL
 SEC. 30: LOTS 1, (35.05), 2(34.99), 3(34.93), 4(34.87), E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$
 SEC. 31: LOTS 1 (34.81), 2(34.76), 3(34.70), 4(34.65) E $\frac{1}{2}$ W $\frac{1}{2}$, NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
 SEC. 33: ALL

BLOWOUT PREVENTOR: SHAFFER 8", 3 $\frac{1}{2}$ " DRILL PIPE RAMS. ONE 2" FILL LINE. ONE 2" KILL LINE. NO CHOKE LINE.

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 E. Wellborn TITLE EXPLORATION MANAGER DATE 5-3-76
 ROBERT E. WELLBORN

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

7-POINT PROGRAM

APRIL 7, 1976

**MR. ED GYNN
U. S. GEOLOGICAL SURVEY
8416 FEDERAL BUILDING
125 SOUTH STATE STREET
SALT LAKE CITY, UTAH, 84111**

**RE: ✓ BURTON/HAWKS, INC.
GRASSY HOLLOW FEDERAL #28-1
SW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 28, T6S-R7W**

**BURTON/HAWKS, INC.
NUTTERS RIDGE FEDERAL #5-1
SW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 5, T6W-R4W**

**BURTON/HAWKS, INC.
LEFT FORK ANTELOPE CANYON
FEDERAL #23-1
NE $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 23, T6S-R4W**

**BURTON/HAWKS, INC.
RIGHT FORK ANTELOPE CANYON
FEDERAL #25-1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ SEC. 25, T6S-R5W**

**BURTON/HAWKS, INC.
WIRE FENCE CANYON FEDERAL #15-1
NE $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 15, T6S-R5W**

ALL IN DUCHESNE COUNTY, UTAH

7-POINT WELL CONTROL PLAN
MC GEE DRILLING COMPANY

1. SURFACE CASINGS:
 - ~~#28-1 - 200' OF 8-5/8" USED~~
 - ~~#5-1 - 200' OF 8-5/8" USED~~
 - #23-1 - 200' OF 8-5/8" USED
 - #25-1 - 200' OF 8-5/8" USED
 - #15-1 - 200' OF 8-5/8" USED
2. 8", 900 SERIES CASINGHEADS, FLANGES, AND SPOOLS; 3000# WORKING PRESSURE; 6000# TEST.
3. INTERMEDIATE CASING: NONE
4. BLOWOUT PREVENTOR: SHAFFER 8", 3 $\frac{1}{2}$ " DRILL PIPE RAMS. ONE 2" FILL LINE. ONE 2" KILL LINE, NO CHOKE LINE.

7-POINT WELL CONTROL PLAN
PAGE 2

5. AUXILIARY EQUIPMENT:

- (A) ONE KELLY COCK
- (B) 4½" REGULAR FLOAT AT BIT.
- (C) MONITORING SYSTEM; VISUAL
- (D) 3½" IF SUB ON FLOOR WITH FULL OPENING VALVE TO BE STABBED INTO DRILL PIPE WHEN THE KELLY IS NOT IN THE STRING.

6. ANTICIPATED BHP AT TOTAL DEPTH :

#28-1	TD 3800'	BHP 1267#
#5-1	TD 7000'	BHP 2333#
#23-1	TD 5600'	BHP 1867#
#25-1	TD 5600'	BHP 1867#
#15-1	TD 5900'	BHP 1967#

7. DRILLING FLUID: WATER BASE MUD, GEL-CHEMICAL.

YOURS VERY TRULY.

BURTON/HAWKS, INC.

R. E. Wellborn
R. E. WELLBORN
EXPLORATION MANAGER



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

12-POINT PROGRAM

April 7, 1976

Mr. Ed Guynn
U.S. Geological Survey
8416 Federal Building
125 South State Street
Salt Lake City, Utah, 84111

Re: Burton/Hawks, Inc.
Grassy Hollow Federal #28-1
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 28, T6S-R7W
Duchesne County, Utah

Dear Ed:

The following is Burton/Hawks, Inc.'s 12-Point Program for the above captioned well.

1. Access will be via State Highway 33 to the access road, then via the dirt access road four-tenths (4/10) of a mile to the drill site. Road reconstruction will be necessary.
2. The dotted road is new construction necessary to get to the drill site.
3. The location of the well is shown on the accompanying survey plat.
4. Lateral roads to new locations would be submitted at a later date in the event of a discovery.
5. Tank batteries and flow lines for a discovery well are shown on the accompanying rig layout plans
6. Water for the drilling operations will be hauled by truck from local area ranchers.
7. Storage and removal of trash, garbage, and pollutants. All trash, garbage, etc. will be kept in containers and hauled out to a sanitary landfill. No trash or environmentally hazardous materials will be disposed of in the reserve pit. All wastes and by-products of this operation that might be detrimental to plant or animal life will be disposed of in a sanitary landfill.

8. & 9. No camps or airstrips will be necessary.
10. A plat of the drilling rig is included.
11. Restoration: Upon completion of activities, the site and road will be immediately restored to its original condition.

The reserve pit will be pumped out immediately at the close of drilling operations. The sludge pumped out must be disposed of at a sanitary landfill. A small amount of drill waste can be left in the reserve pit providing it can be covered with four feet of soil.

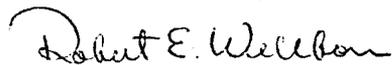
The drill pad will be ripped and restored to its original grade. The stored topsoil will be spread over it. If necessary, additional top soil will be hauled in to assure a good medium for plant growth.

The newly constructed road will be obliterated and reseeded to grass at the close of operations. All portions of the road to be restored will be ripped and the soil moved back in place to its near original condition.

All disturbed areas will be reseeded according to the directions of the Duchesne District Ranger or his designated Forest Service representative.

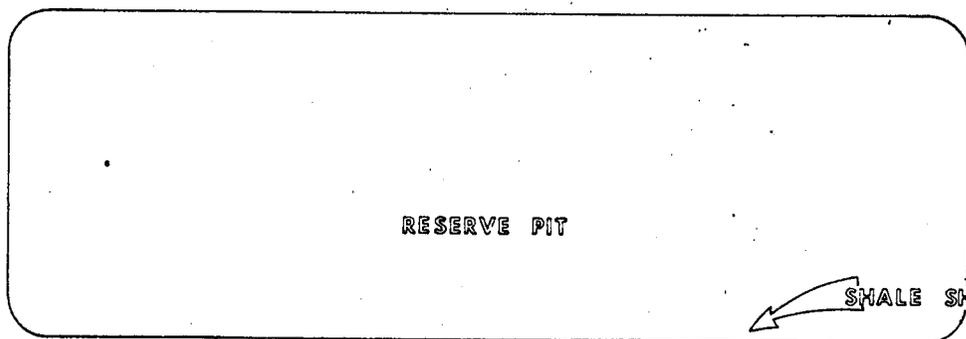
12. The access road and location lie in sagebrush and creosote brush covered terrain reasonably flat in nature.

Yours very truly,


Robert E. Wellborn
Exploration Manager

Attachments

112'



RESERVE PIT

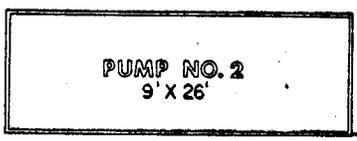
SHALE SHAKER (Above)



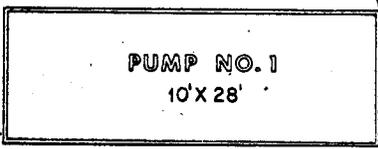
MUD TANK

4'X8'X40'

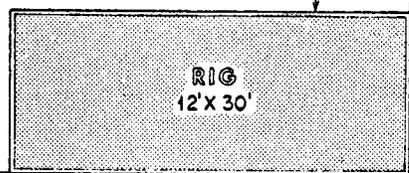
NOTE: TANK SET DOWN 3' BELOW GROUND LEVEL



PUMP NO. 2
9' X 26'



PUMP NO. 1
10' X 28'



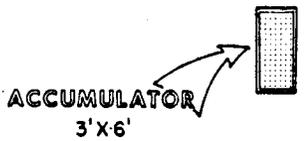
RIG
12' X 30'



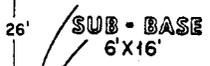
DOG HOUSE (Top)
WATER TANK (Bottom)



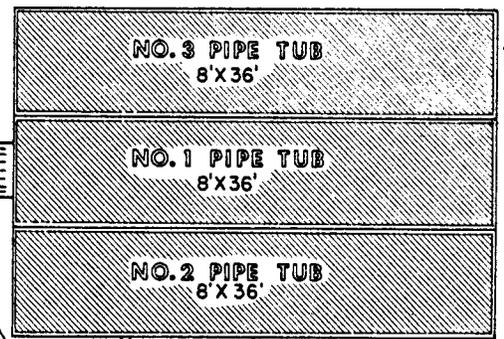
LIGHT PLANT &
COMPRESSOR
8' X 10'



ACCUMULATOR
3' X 6'



SUB-BASE
6' X 16'



NO. 3 PIPE TUB
8' X 36'

NO. 1 PIPE TUB
8' X 36'

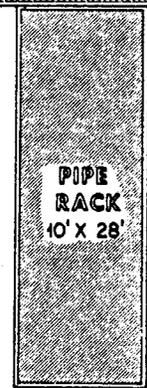
NO. 2 PIPE TUB
8' X 36'



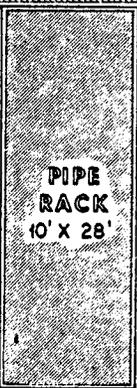
JUNK
BASKET
7'-6" X 22'



BEAVER
SLIDE
4' X 6'

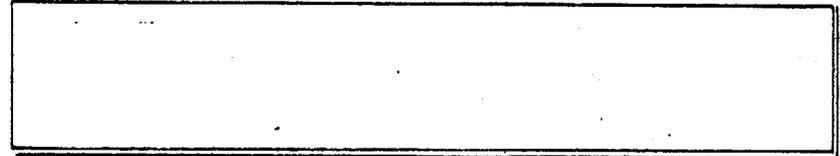


PIPE
RACK
10' X 28'

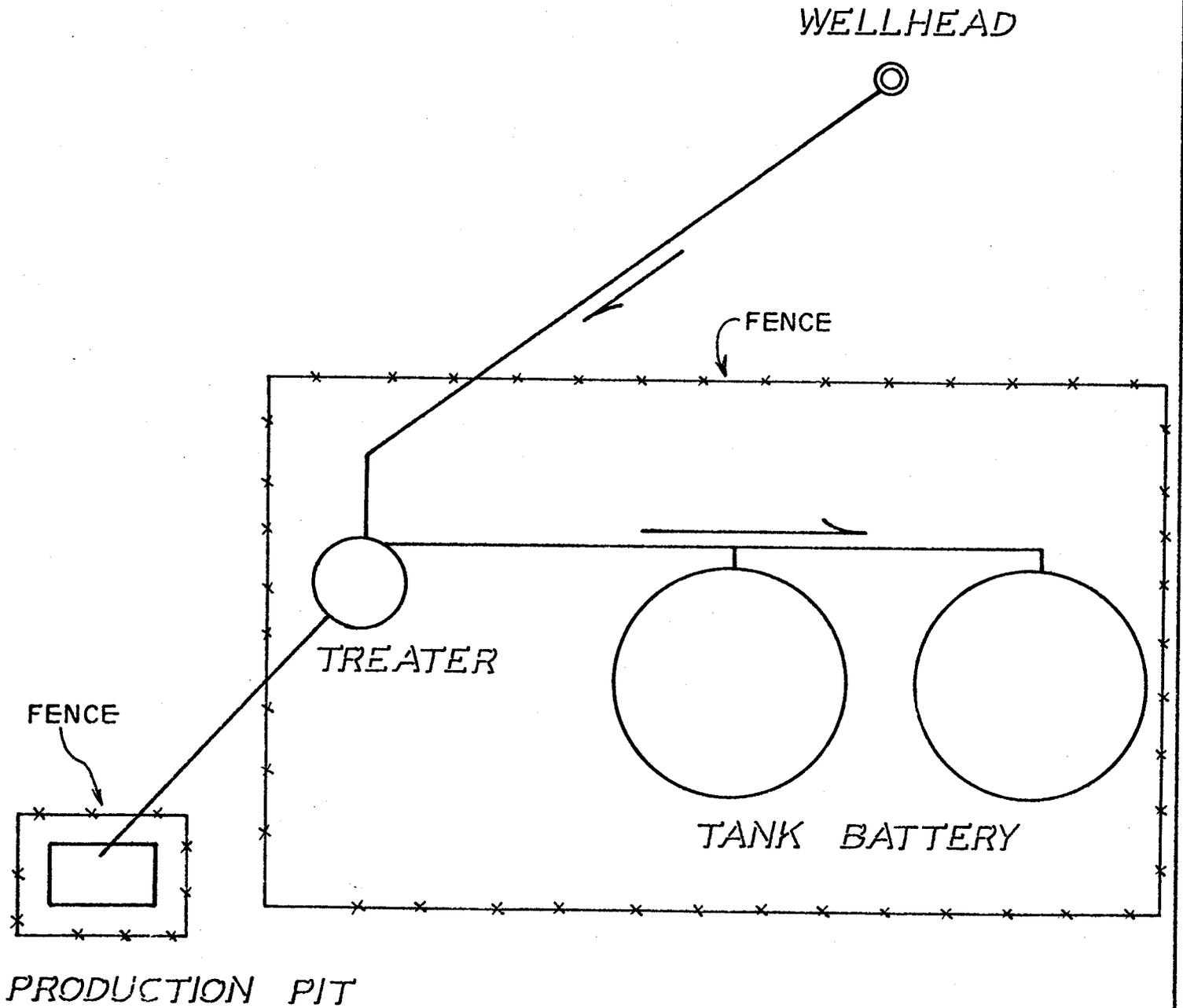


PIPE
RACK
10' X 28'

75'



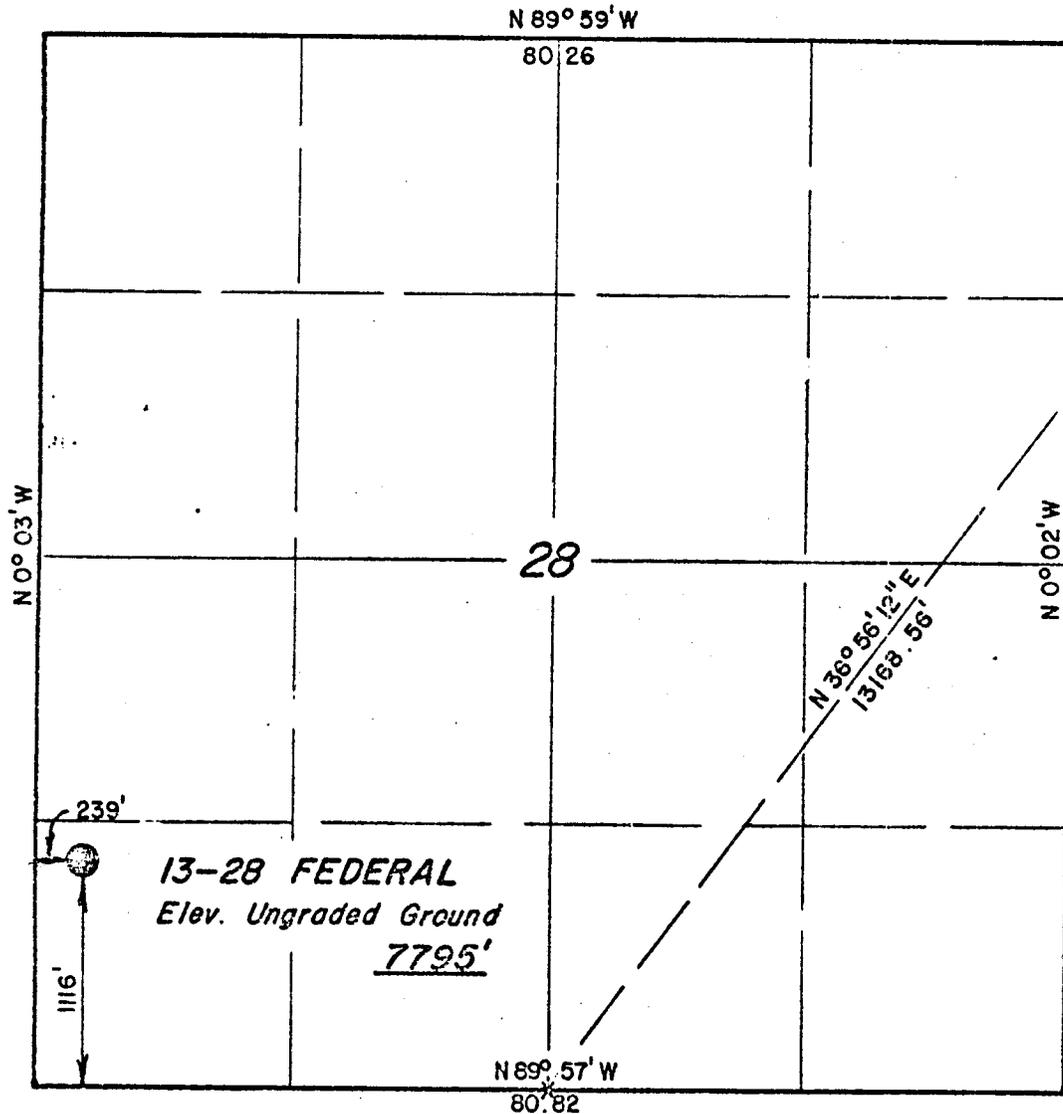
PRODUCTION FACILITIES



T6S, R7W, U.S.B.&M.

PROJECT
HUSKY OIL CORPORATION

Well location, 13-28 FEDERAL, located as shown in the SW 1/4 SW 1/4, Section 28, T6S, R7W, U.S.B.&M. Duchesne County, Utah.



TO NE COR.
SEC. 22, T6S,
R7W, U.S.B.&M.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Lucas Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE Sept. 17, 1974
PARTY M.S. R.R.	REFERENCES GLO Plat
WEATHER	FILE

X = Section Corners Located

**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
 BURTON/HAWKS, INC.

3. ADDRESS OF OPERATOR
 P. O. Box 359, CASPER, WYOMING. 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface SW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 28, T6S-R7W
 1116' FSL/ 239' FWL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 22 $\frac{1}{2}$ MILES FROM DUCHESNE

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

16. NO. OF ACRES IN LEASE
 2.478.76

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160 ACRES

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 N/A

19. PROPOSED DEPTH
 3800' WASATCH

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7795 UNGRADED GROUND

22. APPROX. DATE WORK WILL START*
 JUNE 20, 1976

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{4}$ "	9 -5/8"	24#	200'	TO SURFACE
8 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	14#	3800'	200 BAGS

T6S-R7W

SEC. 28: ALL

SEC. 30: LOTS 1, (35.05), 2(34.99), 3(34.93), 4(34.87), E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$

SEC. 31: LOTS 1 (34.81), 2(34.76), 3(34.70), 4(34.65) E $\frac{1}{2}$ W $\frac{1}{2}$, NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$

SEC. 33: ALL

BLOWOUT PREVENTOR: SHAFFER 8", 3 $\frac{1}{2}$ " DRILL PIPE RAMS. ONE 2" FILL LINE. ONE 2" KILL LINE, NO CHOKE LINE.

PROPOSE TO DRILL A 3800' TEST, 1000' INTO THE WASATCH.

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 E. Wellborn TITLE EXPLORATION MANAGER DATE 5-3-76
 ROBERT E. WELLBORN

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

12-POINT PROGRAM

April 7, 1976

Mr. Ed Gynn
U.S. Geological Survey
8416 Federal Building
125 South State Street
Salt Lake City, Utah, 84111

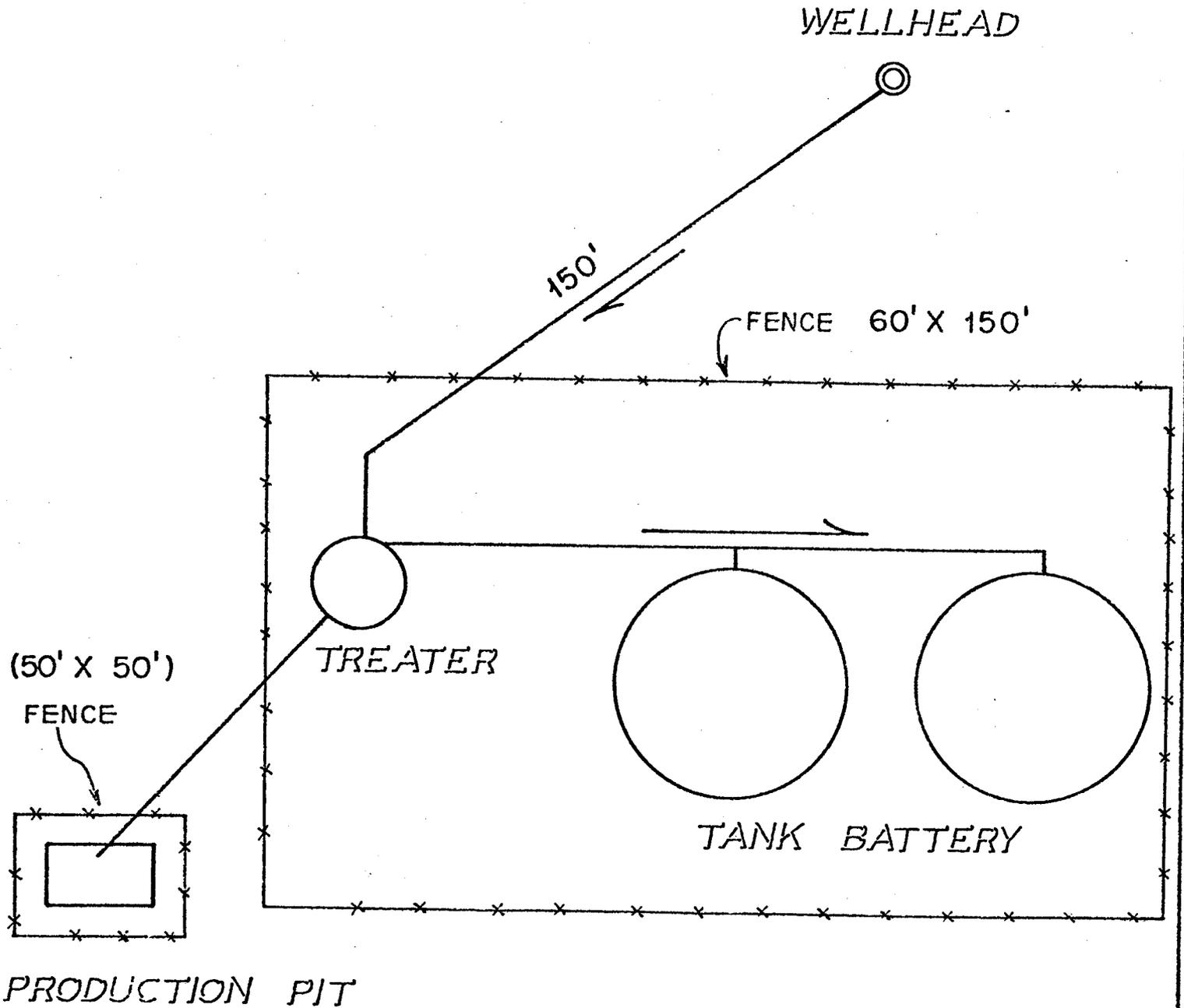
Re: Burton/Hawks, Inc.
Grassy Hollow Federal #28-1
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 28, T6S-R7W
Duchesne County, Utah

Dear Ed:

The following is Burton/Hawks, Inc.'s 12-Point Program for the above captioned well.

1. Access will be via State Highway 33 to the access road, then via the dirt access road four-tenths (4/10) of a mile to the drill site. Road reconstruction will be necessary.
2. The dotted road is new construction necessary to get to the drill site. SEE TOPO MAP FOR CULVERTS, ETC. SEE COPY OF SPECIFICATIONS FOR ROADS ON SOUTH UNIT OF ASHLEY NATIONAL FOREST.
3. The location of the well is shown on the accompanying survey plat.
4. Lateral roads to new locations would be submitted at a later date in the event of a discovery.
5. Tank batteries and flow lines for a discovery well are shown on the accompanying rig layout plans
6. Water for the drilling operations will be hauled by truck from local area ranchers.
7. Storage and removal of trash, garbage, and pollutants. All trash, garbage, etc. will be kept in containers and hauled out to a sanitary landfill. No trash or environmentally hazardous materials will be disposed of in the reserve pit. All wastes and by-products of this operation that might be detrimental to plant or animal life will be disposed of in a sanitary landfill.

PRODUCTION FACILITIES



DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: May 5
 Operator: Burton/Hawks Inc.
 Well No: Grassy Hollow Fed. 28-1
 Location: Sec. 28 T. 6S R. 7W County: Duchesne

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

Checked By:

Administrative Assistant: *AW*

Remarks: Pushy - 13-28
1116 FSL 239' FUL

Petroleum Engineer/Mined Land Coordinator: *[Signature]*

Remarks:

Director: _____

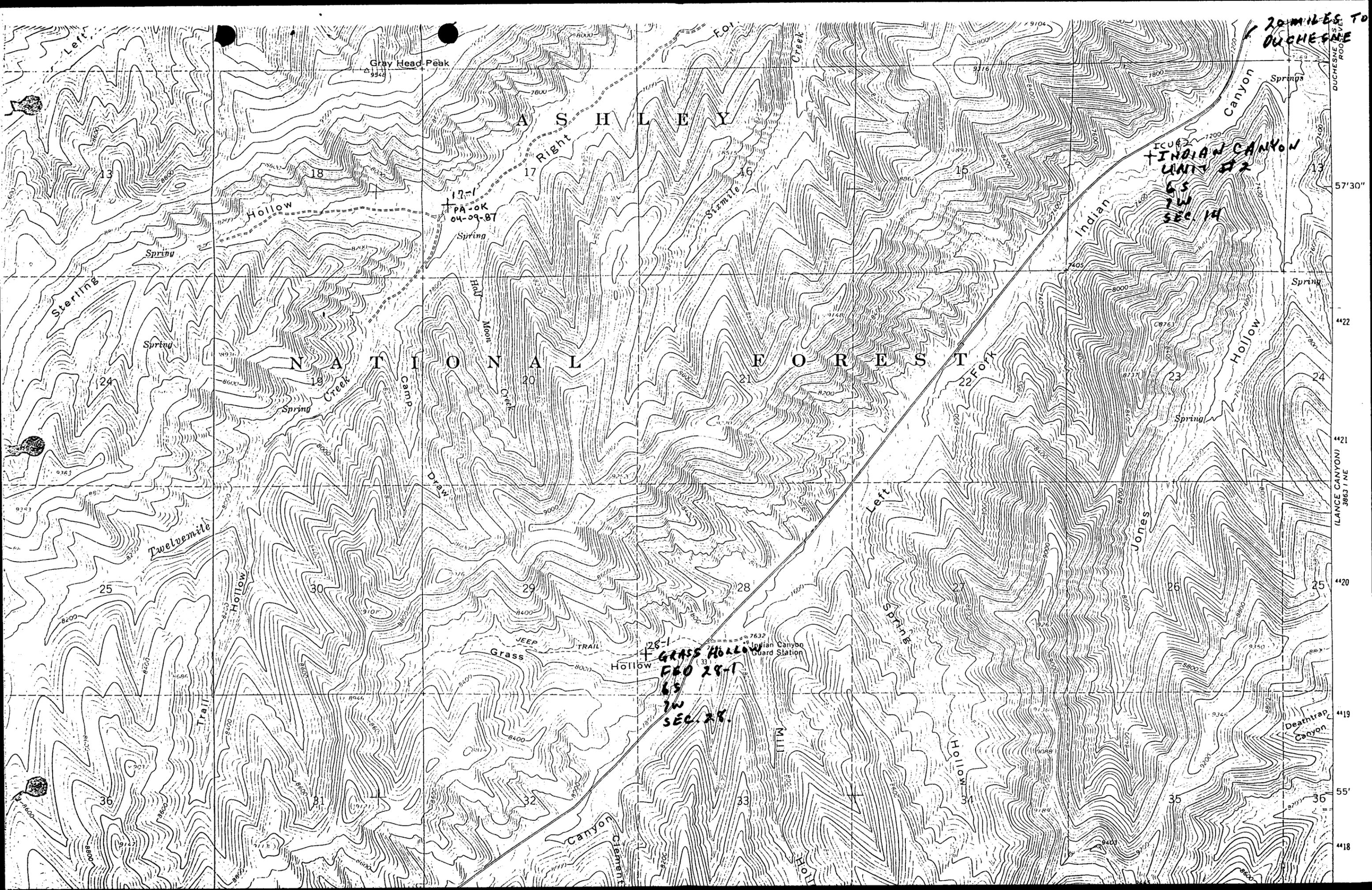
Remarks:

*Disapproved!
 Location too
 close to house
 lines*

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



20 MILES TO
DUCHESNE

Gray Head Peak
9944

A S H L E Y

INDIAN CANYON
UNIT #2
S.S. 14
SEC. 14

Hollow

17-1
PA-OK
04-09-87
Spring

N A T I O N A L F O R E S T

26-1
GRASS HOLLOW
FEB 28-1
69
S.S. 28
SEC. 28

Indian Canyon
Guard Station

57'30"

44'22"

44'21"

44'20"

44'19"

55'

44'18"

(LANCASHIRE CANYON)
3863' NE



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593



May 10, 1976

Mr. E. W. Guyhn
U. S. Geological Survey
8440 Federal Building
Salt Lake City, Utah, 84138

RECEIVED
Schur

Re: Applications for Permit to Drill
5-Well drilling program
Duchesne County, Utah

Dear Mr. Guyhn:

With this letter we are asking for exception to Rule 30 CFR 221.20 for the above referenced wells. The following locations are all located in extremely rugged terrain and application of Rule 30 CFR 221.20 would make it very difficult to build proper locations.

1. Grassy Hollow Federal #28-1, Sec. 28, T6S-R7W
2. Left Fork Antelope Canyon Fed. 23-1, Sec. 23, T6S-R4W
3. Right Fork Antelope Canyon Fed. 25-1, Sec. 25, T6S-R5W
4. Nutters Ridge Federal 5-1, Sec. 5, T6S-R4W
5. Wire Fence Canyon Federal 15-1, T6S-R5W

We would appreciate your earliest consideration of these wells as we are under obligation to commence drilling by May 30, 1976.

Yours very truly,
BURTON/HAWKS, INC.

R. E. Wellborn
R. E. Wellborn
Exploration Manager

P.S. Also enclosed please find corrected N.I.D. for Left Fork Antelope Canyon Federal #23-1, changing Lease Number and number of acres in lease.



First National Bank Building
 P. O. Box 359
 Casper, Wyoming 82602
 307/234/1593



CIRCULATE TO:

- DIRECTOR -----
- PETROLEUM ENGINEER -----
- MINE CO. ASST. -----
- ADMINISTRATIVE ASSISTANT -----
- ALL -----

RETURN TO Kathleen
 FOR FILING

(Copy for each file)

May 12, 1976

Mr. E. W. Guynn
 U. S. Geological Survey
 8440 Federal Building
 Salt Lake City, Utah, 84138

Re: Burton/Hawks, Inc.
 5-Well Drilling Program
 Duchesne County, Utah

Dear Mr. Guynn:

In reference to your letter of May 4, 1976, please note the following:

1. Part 4 (Form 9-331C) - Footages have been added. All survey plats have footages marked in addition to identification of plat.
2. Part 23 (Form 9-331C) - Drilling plans have been noted with the intended formation and penetration depth. Casing and cementing program completed.
3. Scale has been added to production facilities.
4. Have enclosed a copy of the topographic maps with each well location. The submitted maps show each location and the necessary road work that is anticipated. Part 2 of the 12-Point Program will be in accordance with the rules and regulations of the U.S.F.S. (A copy of specifications for roads on the South Unit of Ashley National Forest is included in the Operating Plans).

Yours very truly,

BURTON/HAWKS, INC.

Robert E. Wellborn
 Robert E. Wellborn,
 Exploration Manager

Attachments

✓ cc: State of Utah

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
 BURTON/HAWKS, INC.

3. ADDRESS OF OPERATOR
 P. O. Box 359, CASPER, WYOMING, 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: SW 1/4 SW 1/4 SEC. 28, T6S-R7W
 At proposed prod. zone: 1116' FSL / 239' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 22 1/2 MILES FROM DUCHESNE

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 239' FWL

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7795 UNGRADED GROUND

RECEIVED
MAY 17 1976

5. LEASE DESIGNATION AND SERIAL NO.
 U-9000

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 -

7. UNIT AGREEMENT NAME
 -

8. FARM OR LEASE NAME
 -

9. WELL NO.
 GRASSY HOLLOW FED. 28-1

10. FIELD AND POOL, OR WILDCAT
 WILDCAT

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 SEC. 28, T6S-R7W

12. COUNTY OR PARISH 13. STATE
 DUCHESNE UTAH

16. NO. OF ACRES IN LEASE 2.478.76

17. NO. OF ACRES ASSIGNED TO THIS WELL 160 ACRES

19. PROPOSED DEPTH 3800' WASATCH

20. ROTARY OR CABLE TOOLS ROTARY

22. APPROX. DATE WORK WILL START*
 JUNE 20, 1976

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"	24#	200'	TO SURFACE
8 1/2"	5 1/2"	14#	3800'	200 SACKS

T6S-R7W
 SEC. 28: ALL
 SEC. 30: LOTS 1, (35.05), 2(34.99), 3(34.93), 4(34.87), E 1/2 W 1/2, E 1/2
 SEC. 31: LOTS 1 (34.81), 2(34.76), 3(34.70), 4(34.65) E 1/2 W 1/2, NE 1/4, N 1/2 SE 1/4, SW 1/4 SE 1/4
 SEC. 33: ALL

BLOWOUT PREVENTOR: SHAFFER 8", 3 1/2" DRILL PIPE RAMS. ONE 2" FILL LINE. ONE 2" KILL LINE, NO CHOKE LINE.

PROPOSE TO DRILL A 3800' TEST, 1000' INTO THE WASATCH.

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 E. Wellborn TITLE EXPLORATION MANAGER DATE 5-3-76
 ROBERT E. WELLBORN

(This space for Federal or State office use)

PERMIT NO. 43-013-30407 APPROVAL DATE _____

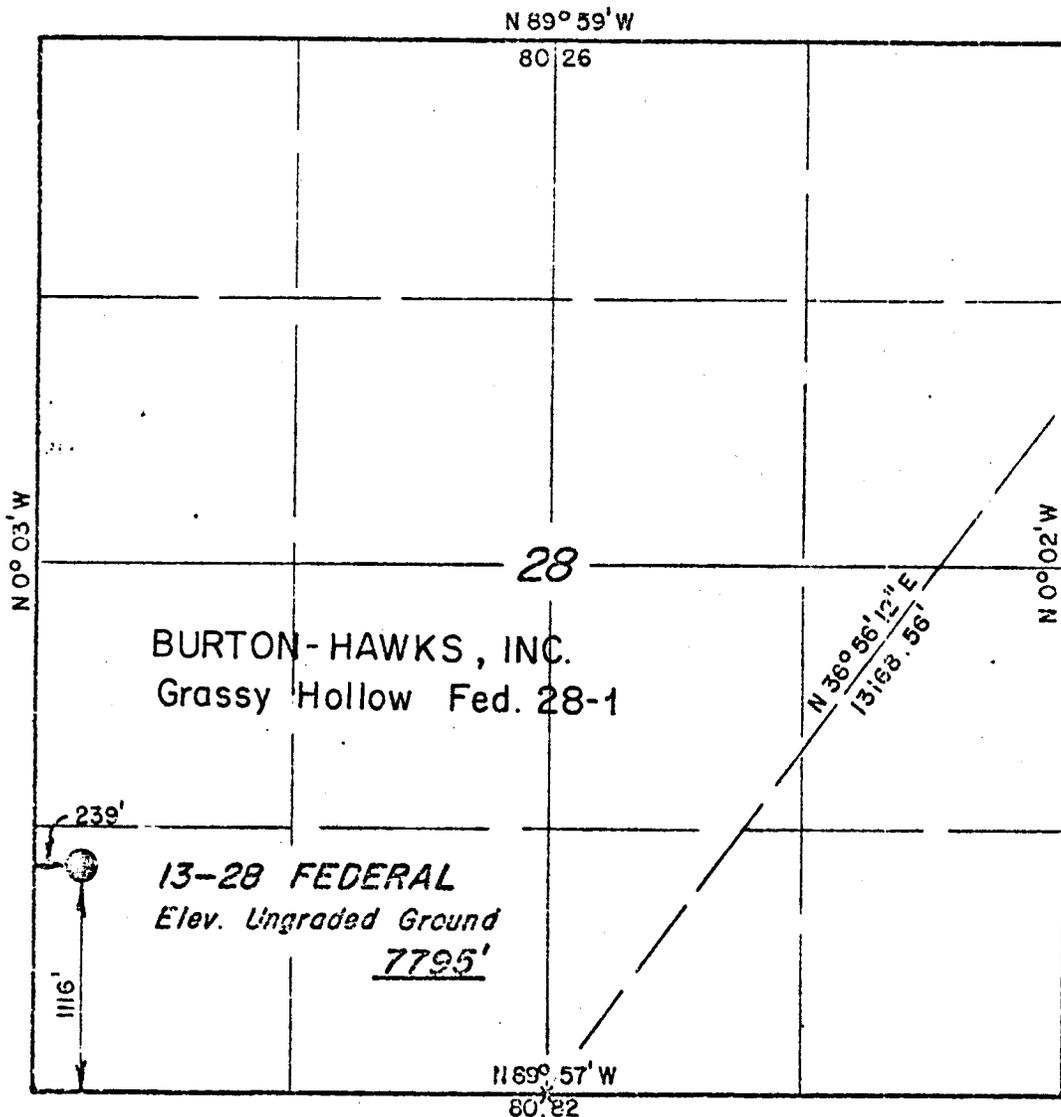
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

T6S, R7W, U.S.B.&M.

PROJECT
HUSKY OIL CORPORATION

Well location, 13-28 FEDERAL, located as shown in the SW 1/4 SW 1/4, Section 28, T6S, R7W, U.S.B.&M. Duchesne County, Utah.



TO NE COR.
 SEC. 22, T6S,
 R7W, U.S.B.&M.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

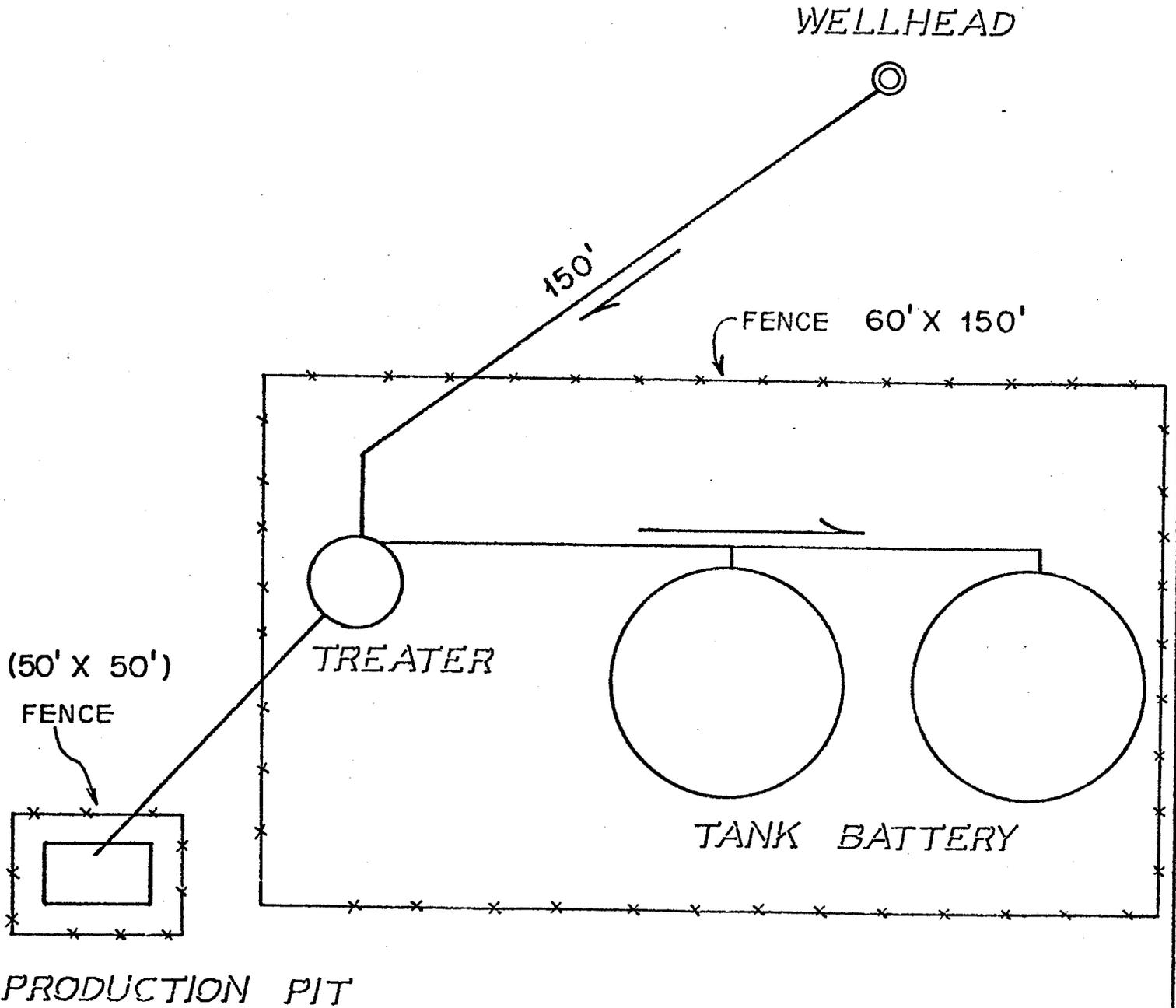
Lois Stewart
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 3154
 STATE OF UTAH

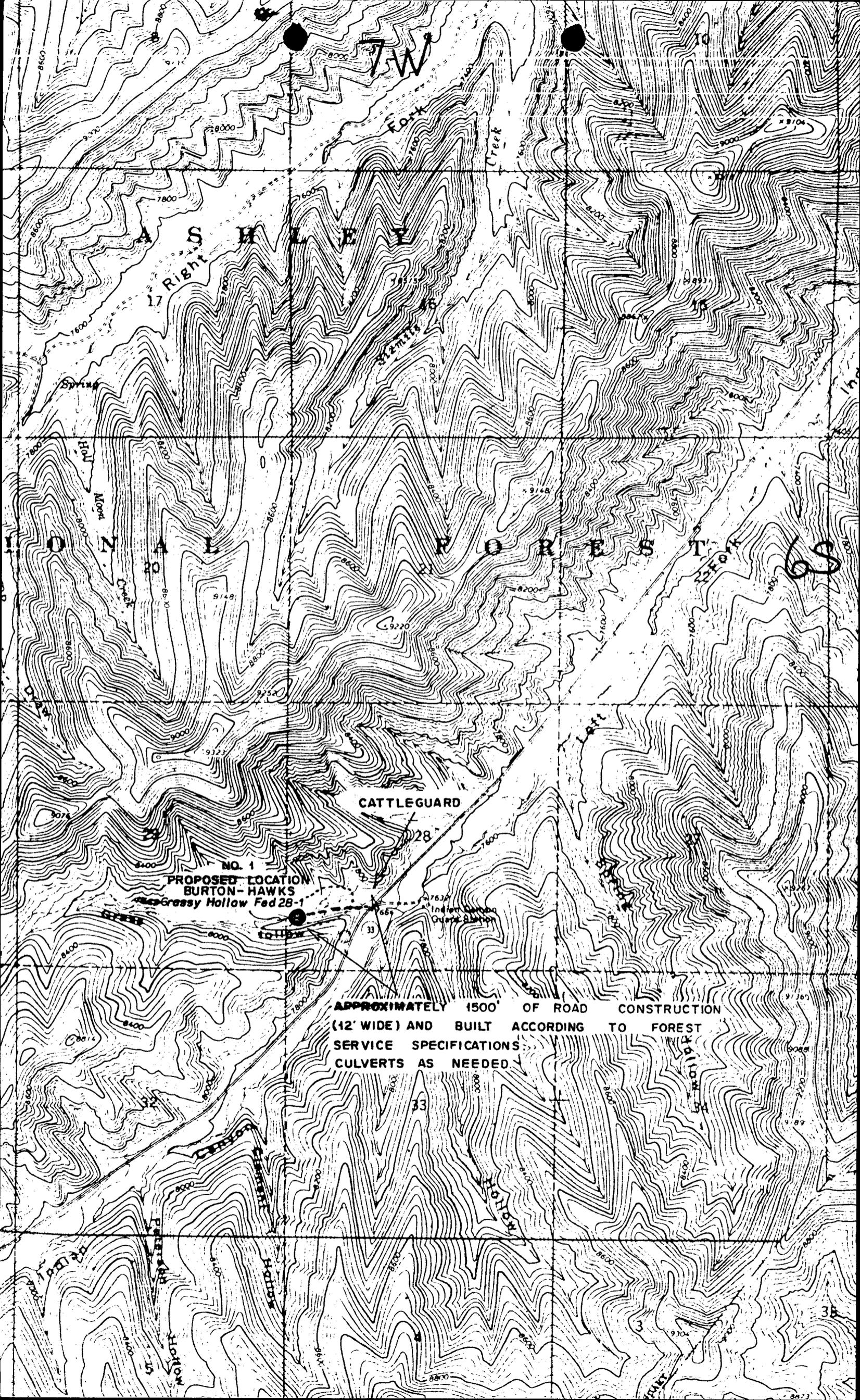
UINTAH ENGINEERING & LAND SURVEYING
 P. O. BOX Q - 110 EAST - FIRST SOUTH
 VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE Sept. 17, 1974
PARTY M.S. R.R.	REFERENCES GLO Plat
WEATHER	FILE

X = Section Corners Located

PRODUCTION FACILITIES





Right S H L E T

H O N A L F O R E S T

CATTLEGUARD

NO. 1
PROPOSED LOCATION
BURTON-HAWKS
Grassy Hollow Fed 28-1

APPROXIMATELY 1500' OF ROAD CONSTRUCTION
(12' WIDE) AND BUILT ACCORDING TO FOREST
SERVICE SPECIFICATIONS
CULVERTS AS NEEDED

7W

6S

33

35

May 24, 1976

Burton/Hawks, Inc.
P.O. Box 359
Casper, Wyoming 82602

Re: Well No's:

✓ Nutters Ridge Federal 5-1
Sec. 5, T. 6 S, R. 4 W,
✓ Wire Fence Canyon Federal 15-1
Sec. 15, T. 6 S, R. 6 W,
✓ Left Fork Antelope Canyon 23-1
Sec. 23, T. 6 S, R. 4 W,
✓ Right Fork Antelope Canyon 25-1
Sec. 25, T. 6 S, R. 5 W,
✓ Grassy Hollow Federal 28-1
Sec. 28, T. 6 S, R. 7 W,
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells 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 these wells, 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 numbers assigned to these wells are:

Nutters Ridge Fed/5-1: 43-013-30403
Wire Fence Canyon Fed/15-1: 43-013-30404
Left Fork Antelope Canyon Fed/23-1: 43-013-30405

Burton/Hawks Inc.
May 24, 1976
Page Two

Right Fork Antelope Canyon Fed/25-1: 43-013-30406
Grassy Hollow Fed/28-1: 43-013-30407

Very truly yours,
DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

CBF:sw

cc: U.S. Geological Survey



BURTON/HAWKS, INC.

RECEIVED
MAY 21 1976

CIRCUIT 107-10

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

Sherrill

Tom

May 18, 1976

Mr. Pat Driscoll
State of Utah
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah, 84111

Re: Applications for Permit to Drill
5-Well Drilling Program
Duchesne County, Utah

Dear Mr. Driscoll:

With this letter we are asking for exception to Rule C-3 of the State of Utah, for the above referenced wells. The following locations are all located in extremely rugged terrain and application of Rule C-3 would make it very difficult to build proper locations.

1. Grassy Hollow Federal #28-1, Sec. 28, T6S-R7W
2. Left Fork Antelope Canyon Fed. #23-1, Sec. 23, T6S-R4W
3. Right Fork Antelope Canyon Fed. #25-1, Sec. 15, T6S-R5W
4. Nutters Ridge Federal #5-1, Sec. 5, T6S-R4W
5. Wire Fence Canyon Federal #15-1, Sec. 15, T6S-R5W

Your consideration of this request will be appreciated.

Yours very truly,

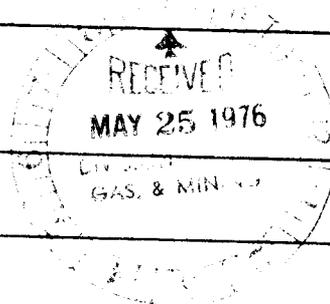
BURTON/HAWKS, INC.

Robert E. Wellborn
Robert E. Wellborn
Exploration Manager

P.S. These locations have the approval of the U.S. Forest Service.



First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593



May 21, 1976

Mr. E. W. Guynn
U. S. Geological Survey
8440 Federal Building
Salt Lake City, Utah, 84138

Re: Burton/Hawks, Inc.
5-Well Drilling Program
Duchesne County, Utah

Dear Mr. Guynn:

With reference to the above Applications for Permits to Drill, please find enclosed three (3) copies each of Designation of Operator from Natural Resources Corporation to Burton/Hawks, Inc. for Lease Nos. U-9000, U-8895, U-8894, U-8897, and U-8939. Also enclosed are three (3) copies each of Designation of Operator from King Resources Company to Burton/Hawks, Inc. for the above same leases.

King Resources Company and Natural Resources Corporation have advised that they both have blanket bonds with the Bureau of Land Management which should suffice for the drilling of the wells. If this is not the case, please let us know.

Yours very truly,

BURTON/HAWKS, INC.

Robert E. Wellborn
Robert E. Wellborn,
Exploration Manager

Enclosures

✓ cc: Mr. Pat Driscoll
State of Utah
Division of Oil, Gas, and Mining

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Utah
SERIAL No.: U-9000

and hereby designates

NAME: Burton/Hawks, Inc.
ADDRESS: P.O. Box 359, Casper, Wyoming 82602

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 6 South, Range 7 West
Section 28: All

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

NATURAL RESOURCES CORPORATION

BY: Harvey L. Baker

(Signature of lessee)

Harvey L. Baker, Vice President

May 13, 1976

(Date)

500 Denver Club Building, Denver, CO 80202

(Address)

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: U - 9000

and hereby designates

NAME: Burton-Hawks, Inc.
ADDRESS: P. O. Box 359, Casper, Wyoming 82602

as his operator and agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

SW/4 Sec 28, T6S - R7W
Duchesne County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

KING RESOURCES COMPANY

by *P.R. Stewart*
(Signature of lessee)



P. R. Stewart, President

..... May 6, 1976
(Date)

..... King Resources Company P. O. Box 9698
(Address)
South Denyer Station 80209

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
 BURTON/HAWKS, INC.

3. ADDRESS OF OPERATOR
 P. O. Box 359, CASPER, WYOMING, 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface SW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 28, T6S-R7W
 1116' FSL/ 239' FWL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 22 $\frac{1}{2}$ MILES FROM DUCHESNE

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

16. NO. OF ACRES IN LEASE
 2,478.76

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160 ACRES

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 N/A

19. PROPOSED DEPTH
 3800' WASATCH

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7795 UNGRADED GROUND

22. APPROX. DATE WORK WILL START*
 JUNE 20, 1976

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{4}$ "	9 -5/8"	24#	200'	TO SURFACE
8 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	14#	3800'	200 SACKS

T6S-R7W

SEC. 28: ALL
 SEC. 30: LOTS 1, (35.05), 2(34.99), 3(34.93), 4(34.87), E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$
 SEC. 31: LOTS 1 (34.81), 2(34.76), 3(34.70), 4(34.65) E $\frac{1}{2}$ W $\frac{1}{2}$, NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
 SEC. 33: ALL

BLOWOUT PREVENTOR: SHAFFER 8", 3 $\frac{1}{2}$ " DRILL PIPE RAMS. ONE 2" FILL LINE, ONE 2" KILL LINE, NO CHOKE LINE.

PROPOSE TO DRILL A 3800' TEST, 1000' INTO THE WASATCH.

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 E. Wellborn TITLE EXPLORATION MANAGER DATE 5-3-76
 ROBERT E. WELLBORN

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY E. L. ... TITLE DISTRICT ENGINEER DATE JUL 28 1976
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL NOTICE - UTAH STATE OIL, GAS & MINING

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
Burton/Hawks, Inc. #28-1	1116' FSL, 239' FWL, sec. 28, T.6S, R.7W, USM, Duchesne Co, Utah, Gr. El. 7795' est.	U-9000

1. **Stratigraphy and Potential** The well will spud in the middle unit of the Oil and Gas Horizons. Parachute Creek, which is a chief oil shale unit. Gulf Oil Corp. #1 in sec. 12 (same township) reported the top of the Wasatch at 4395'. The surface elevation of this well was 7,084'.
2. **Fresh Water Sands.** There are no water wells in the near vicinity of the proposed test. Based on a WRD report from T. 6 S., R. 6 W. fresh or usable water may occur as deep as 3,300 ft in the Green River Formation.
3. **Other Mineral Bearing Formations.** Prospectively valuable for solid and semi-solid (Coal, Oil Shale, Potash, Etc.) hydrocarbons. Prospectively valuable for oil shale which is found in the Green River Formation (Withdrawal order 5327). The undivided Evacuation Creek and Parachute Creek Members contain the richest beds of oil shale and may exceed 1300 ft. in thickness in this area. The Green River may also contain pods and beds of saline minerals.
4. **Possible Lost Circulation Zones.** See item 5.
5. **Other Horizons Which May Need Special Mud, Casing, or Cementing Programs.** Noted by Gulf Oil #1 in sec. 12:
1700-1800 water flow,
3300-3400 tar sands,
3955-4005 sand porosity.
6. **Possible Abnormal Pressure Zones and Temperature Gradients.** Unknown
7. **Competency of Beds at Proposed Casing Setting Points.** Probably competent
8. **Additional Logs or Samples Needed.** Sonic, density, gamma ray, electric and neutron.
9. **References and Remarks** Outside of KGS.

Date: JUL 30 1976

Signed: *State Oil & Gas*
William M. Rice

6-16-76

SUMMARY OF ENVIRONMENTAL IMPACT EVALUATION

#154

Burton Hawks
28-1

Sec 28 - 6s - 7w

U-9000

Duchesne Co. Utah

USFS - Vastin

USGS - ALEXANDER

B.H. - Bochman

Enhance

No Effect

Minor Impact

Major Impact

	Construction			Pollution			Drilling Production			Transport Operations			Accidents		Others			
	Roads, bridges, airports	Transmission lines, pipelines	Dams & impoundments	Others (pump stations, compressor stations, etc.)	Burning, noise, junk disposal	Liquid effluent discharge	Subsurface disposal	Others (toxic gases, noxious gas, etc.)	Well drilling	Fluid removal (Prod. wells, facilities)	Secondary Recovery	Noise or obstruction of scenic views	Mineral processing (ext. facilities)	Others	Trucks	Pipelines	Others	Spills and leaks

Land Use	Forestry	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Grazing	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Wilderness	NA																	
	Agriculture	NA																	
	Residential-Commercial	NA																	
	Mineral Extraction	NA																	
	Recreation	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Scenic Views	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Parks, Reserves, Monuments	NA																	
	Historical Sites	NA																	
	Unique Physical Features	NA																	
	Flora & Fauna	Birds	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Land Animals		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
Fish		NA																	
Endangered Species		NONE KNOWN																	
Trees, Grass, Etc.		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
Phy. Charact.	Surface Water	NA																	
	Underground Water	?																	
	Air Quality	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Erosion	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Other																		
Effect On Local Economy	0	0						0						0					
Safety & Health	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	

Others

orig. file
cc - Forest Service w/o Matrix
Reg MGR - DIR.
NEAD STATE O-G-M

Lease

U-9000

Well No. & Location

#28-1 Sec 28 6S 7W

Duchesne County Utah

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

- 1.) Burton Hawks Inc. proposes to drill a wildcat oil & gas test well w/ rotary tools to a depth of about 3800'.
- 2.) Proposes to construct ~~and~~ a drill site approx 112' x 75' and construct a reserve pit approx 75' x 25' x 6' deep.
- 3.) Construct approx 1300' of new access road 12' wide that etc's w/ main Hiway.

2. Location and Natural Setting (existing environmental situation)

The location falls on a relatively flat area in grass hollow about 1500' from Utah Hiway U-33. The location is bordered on the north by steep hillsides and on the south by grass hollow creek.

The vegetation is piñon-juniper, sage brush, and assorted native grasses.

The wildlife is elk, deer, small game, predators and birds. There are no known endangered species.

The land is used primarily for cattle grazing and is considered good grazing land.

There are no known historical sites that would be effected and no evidence of archeological sites were noted.

~~There are no known historical sites that would be effected and no evidence of archeological sites were noted.~~

3. Effects on Environment by Proposed Action (potential impact)

The drilling and completion of a dry hole or failure would have little long term effect on the environment. Discovery of an oil or gas field would have moderate effect in that the character of the area would be changed. If a discovery is made, careful planning would be required to avoid serious degradation.

The improvement of the roads would benefit the grazing and recreation use of the land in that it would be more accessible.

There would be moderate scarring of the land which would require 2 to 5 years to rehab.

The drilling and associated traffic would add a minor amount of pollution to the air as well as temporarily disturbing livestock and wildlife.

There would be potential for minor accelerated erosion due to surface disturbance & support traffic use.

4. Alternatives to the Proposed Action

NOT Approving the proposed permit

Denying the proposed permit and suggesting a alternative location where environmental damage would be lessened. No nearby locations could be found that would justify this action.

5. Adverse Environmental Effects Which Cannot Be Avoided

temporarily disturbing livestock & wildlife.

Temporary mess due to drilling activity and requiring about 2 to 5 years to rehab.

Detraction from aesthetics.

Minor air pollution due to exhaust ~~emissions~~ emissions from rig engines and support traffic.

no potential for minor induced and accelerated erosion due to surface disturbance and support traffic use.

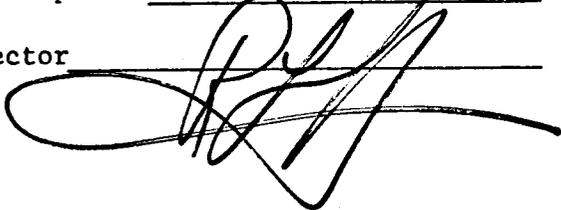
6. Determination

(This requested action ~~is~~ (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c).

Date Inspected

6-16-76

Inspector



U.S. Geological Survey,
Conservation Division
Salt Lake City District
Salt Lake City, Utah



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

APRIL 6, 1976

OPERATING PLAN

DUCHESNE COUNTY, UTAH

A. LEASE NO., NAME AND LOCATION OF WELLS

- ✓ 1. LEASE NO. U-9000, GRASSY HOLLOW FEDERAL #28-1, SW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 28, T6S-R7W
2. LEASE NO. U-8894, NUTTERS RIDGE FEDERAL #5-1, SW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 5, T6S-R4W
3. LEASE NO. U-11015, LEFT FORK ANTELOPE CANYON FEDERAL #23-1, NE $\frac{1}{4}$ SW $\frac{1}{4}$ SECTION 23, T6S-R4W
4. LEASE NO. U-8897, RIGHT FORK ANTELOPE CANYON FEDERAL #25-1, NW $\frac{1}{4}$ NE $\frac{1}{4}$ SECTION 25, T6S-R5W
5. LEASE NO. U-8895, WIRE FENCE CANYON FEDERAL #15-1, NE $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 15, T6S-R5W

PRIOR TO BEGINNING ANY CLEARING, CONSTRUCTION OR OPERATIONS, INCLUDING ROAD AND DRILL SITE LOCATION AND CONSTRUCTION, BURTON/HAWKS, INC. WILL CONTACT THE DUCHESNE DISTRICT RANGER OR DESIGNATED FOREST SERVICE REPRESENTATIVE.

B. ROAD CONSTRUCTION

- ✓ 1. GRASSY HOLLOW - ACCESS WILL BE VIA STATE HIGHWAY 33 TO THE ACCESS ROAD; THEN VIA THE DIRT ACCESS ROAD FOUR-TENTHS (4/10) OF A MILE TO THE DRILL SITE. ROAD RE-CONSTRUCTION WILL BE NECESSARY.
2. NUTTERS RIDGE - ACCESS WILL BE VIA SOWERS CANYON ROAD TO FOREST DEVELOPMENT ROAD 333; THEN VIA FDR 333 TO DRILL SITE. FDR 333 IS AN IMPROVED DIRT ROAD, SO NO ADDITIONAL ROAD CONSTRUCTION WILL BE REQUIRED.
3. LEFT FORK ANTELOPE CANYON - ACCESS TO THE DRILL SITE WILL BE 10 $\frac{1}{2}$ MILES EAST FROM DUCHESNE VIA HIGHWAY 40 TO THE ANTELOPE CANYON ROAD, TURNING SOUTH OFF SAID HIGHWAY AND DRIVING APPROXIMATELY 4 $\frac{1}{4}$ MILES SOUTHWEST TO LOCATION.
4. RIGHT FORK ANTELOPE CANYON - ACCESS WILL BE 10 $\frac{1}{2}$ MILES EAST FROM DUCHESNE VIA HIGHWAY 40 TO THE ANTELOPE CANYON ROAD, TURNING SOUTH OFF SAID HIGHWAY AND DRIVING APPROXIMATELY 7 $\frac{1}{4}$ MILES TO THE DRILL SITE.
5. WIRE FENCE CANYON - ACCESS WILL BE 10 $\frac{1}{2}$ MILES EAST FROM DUCHESNE VIA HIGHWAY 40 TO THE ANTELOPE CANYON ROAD, TURNING SOUTH OFF SAID HIGHWAY AND DRIVING APPROXIMATELY 22 $\frac{1}{2}$ MILES TO THE DRILL SITE.
 - (A) ACCESS ROADS WILL BE CONSTRUCTED IN SUCH A MANNER THAT A MINIMUM AMOUNT OF SOIL AND GROUND COVER WILL BE DISTURBED. ANY ROAD LOCATION MUST BE APPROVED BY THE DUCHESNE DISTRICT RANGER PRIOR TO CONSTRUCTION. ANY DEVIATION FROM THE APPROVED LOCATION AND SL-12 STANDARDS WITH INTERCEPTING DIPS MUST BE APPROVED BY THE DUCHESNE DISTRICT RANGER PRIOR TO MAKING THE CHANGE.

- (B) THE MAXIMUM GRADE ALLOWED ON RELOCATED SECTIONS WILL BE 6%; EXCEPT ON SHORT PITCHES UP TO 200 FEET, 8% WILL BE PERMITTED.
- (C) ROAD CUTS AND FILLS WILL BE FINISHED TO A 1-1/2:1 RATIO OR FLATTER.
- (D) ROAD WILL BE SLOPED TO INSURE FULL AND COMPLETE DRAINAGE. INTERCEPTING DIPS AND FLARE DITCHES WILL BE STAKED BY THE FOREST SERVICE.
- (E) REMOVE ONLY TREES AND BRUSH NECESSARY TO OBTAIN GOOD ROAD ALIGNMENT.
- (F) VEGETATION REMOVED IN ROAD CONSTRUCTION WILL BE DISPOSED OF AS DIRECTED BY THE DUCHESNE DISTRICT RANGER OR DESIGNATED FOREST SERVICE REPRESENTATIVE.

C. ROAD MAINTENANCE

DURING DRILLING OPERATIONS, SUFFICIENT ROAD MAINTENANCE WILL BE DONE TO INSURE THAT NO ROAD OR RESOURCE DAMAGE OR DETERIORATION WILL OCCUR. MAINTENANCE WILL INCLUDE:

- (1) MAINTAIN ALREADY CONSTRUCTED INTERCEPTING DIPS TO THE ACCESS ROADS TO THEIR ORIGINAL SIZE, SHAPE AND CONDITION.
- (2) MAINTAIN ROAD SURFACES LEAVING THE PRESENT FLARE DITCHES INTACT AND FUNCTIONABLE. ROCKS CAN BE WORKED OFF THE ROAD, BUT FINE MATERIALS WILL BE CONSERVED FOR FILL ON THE ROAD.
- (3) DEEP DUST OR MUD THAT ACCUMULATES DURING DRY OR WET PERIODS WILL NOT BE BLADED OFF THE ROAD.
- (4) ANY BRUSH, TIMBER SLASH, OR DEBRIS CREATED BY ROAD MAINTENANCE WILL BE DISPOSED OF AS DIRECTED BY THE DISTRICT RANGER OR FOREST SERVICE REPRESENTATIVE.
- (5) UPON COMPLETION OF THE DRILLING OPERATION, THE ACCESS ROAD, INCLUDING DRAINAGE AND CUT AND FILL SLOPES WILL BE RESTORED AND MAINTAINED TO THE STANDARD ACCEPTABLE TO THE DISTRICT FOREST RANGER.

D. DRILLING SITES

EACH DRILL SITE WILL REQUIRE APPROXIMATELY ONE AND ONE-HALF ACRES TO ACCOMODATE DRILLING RIG, MUD TANKS, RESERVE PITS, EQUIPMENT, AND VEHICLES. WELL LOCATIONS ARE SHOWN IN PARAGRAPH A. IT WILL BE NECESSARY TO MAKE A 6-8 FOOT CUT TO BUILD THE GRASSY HOLLOW LOCATION AND THE RESERVE PIT WILL BE ON THE DOWNSLOPE SIDE NEXT TO GRASSY HOLLOW CREEK. THE OTHER LOCATIONS LISTED IN PARAGRAPH A ARE ON RELATIVELY FLAT LANDS. THE ONLY OTHER WELL WITH A DRAINAGE PROBLEM WOULD BE THE WIRE FENCE CANYON DRILL SITE.

REQUIREMENTS:

- (1) DRILLSITES WILL BE LEVELED AS REQUIRED, BUT NOT TO EXCEED 150 FEET X 300 FEET. ALSO A RESERVE PIT OF 75 FEET X 100 FEET X 6 FEET WILL BE EXCAVATED.
- (2) ALL BRUSH AND TREES REMOVED FROM THE SITE WILL BE DISPOSED OF AS DIRECTED BY THE DUCHESNE DISTRICT RANGER OR FOREST SERVICE REPRESENTATIVE.
- (3) RESERVE PITS WILL BE SO CONSTRUCTED TO INSURE THAT NO LEAKAGE, OVERLAND FLOW OR PIT FAILURE WILL OCCUR.

- (4) SHOULD THE INITIAL RESERVE PIT BECOME FULL PRIOR TO COMPLETION OF DRILLING, EXCESS WASTE WILL BE DISPOSED OF AS APPROVED BY THE DUCHESNE DISTRICT RANGER OR FOREST SERVICE REPRESENTATIVE.
- (5) UPON COMPLETION OF DRILLING OPERATIONS, RESERVE PITS WILL BE PUMPED AND MATERIAL DISPOSED OF AS DIRECTED BY THE DUCHESNE DISTRICT RANGER OR FOREST SERVICE REPRESENTATIVE. PITS WILL BE RESTORED TO NATURAL CONDITION AND MADE SOLID.
- (6) DURING THE DRILLING PERIOD, PITS WILL BE FULLY FENCED TO A HEIGHT OF AT LEAST 54" WITH WOVEN AND/OR BARBED WIRE.
- (7) ALL TOP SOIL REMOVED IN LEVELING AND RESERVE PIT CONSTRUCTION WILL BE STOCKPILED TO BE REPLACED OVER THE OPERATION AND PIT AREAS DURING SITE RESTORATION.
- (8) ON COMPLETION OF THE DRILLING OPERATION, THE DRILL SITE AND RESERVE PITS WILL BE RESTORED TO NATURAL CONTOUR OF THE SURROUNDING TOPOGRAPHY, AND THE STOCKPILED TOP SOIL WILL BE SPREAD OVER THE RESTORED AREA.
- (9) RESERVE PITS WILL HAVE SUFFICIENT CAPACITY TO PREVENT DRILLING WASTE FROM POLLUTING THE LIVE STREAMS. IF A WELL IS DRY, THE WASTE MATERIAL WILL BE PUMPED BACK INTO THE DRILL HOLE. IF DEVELOPED INTO A PRODUCING WELL, WILL BE HAULED AWAY.
- (10) THE RESTORED AREA WILL BE FERTILIZED AND RESEEDED AS PRESCRIBED BY THE FOREST SERVICE REPRESENTATIVE.
- (11) ALL PRECAUTIONS WILL BE TAKEN TO ASSURE PUBLIC SAFETY IN DRILLING AND ASSOCIATED OPERATIONS.

E. WATER SUPPLY

WATER IS NOT PRESENT ON ANY OF THE DRILLING SITES. THERE ARE SMALL STREAMS IN INDIAN, SOWERS, AND LEFT AND RIGHT ANTELOPE CANYONS, BUT MOST DRAINAGES CONTAIN WATER ONLY DURING PERIODS OF RUNOFF.

- (1) IF WATER IS HAULED TO DRILLING SITES, BURTON/HAWKS WILL OBTAIN PERMISSION FROM APPROPRIATE LAND OWNER AND/OR WATER RIGHT OWNER.
- (2) NO TRACTORS OR HEAVY EQUIPMENT WILL BE PLACED IN DRAINAGE CHANNELS WITHOUT CONSENT OF FOREST SERVICE.
- (3) RESTORATION

F. SANITARY FACILITIES

- (1) NO CAMPSITE OR HOUSING FACILITIES WILL BE LOCATED ON THE FOREST LAND WITHOUT THE CONSENT OF THE DUCHESNE DISTRICT RANGER.
- (2) A TOILET WILL BE SUPPLIED BY BURTON/HAWKS FOR USE OF THE DRILLING CREW. DISPOSITION AND SERVICING OF TOILET WILL BE THE RESPONSIBILITY OF THE COMPANY REPRESENTATIVE.

G. FIELD COORDINATION

- (1) JOHN VASTEN WILL BE THE FOREST SERVICE REPRESENTATIVE.
- (2) THE COMPANY WILL DESIGNATE A FIELD REPRESENTATIVE WHO WILL BE RESPONSIBLE FOR OPERATIONS UNDER THIS PLAN, GIVING NAME, ADDRESS, AND TELEPHONE NUMBERS.

H. SAFETY

- (1) BURTON/HAWKS WILL INSTALL A STOP SIGN AT THE GRASSY HOLLOW ROAD JUNCTION WITH THE INDIAN CANYON HIGHWAY (33).
- (2) BURTON/HAWKS WILL INSTALL SIGNS WARNING THE PUBLIC OF HEAVY TRUCK TRAFFIC ON SINGLE LANE ROADS AND HAZARDOUS LOCATIONS.

I. FIRE PLANS

- (1) ALL INTERNAL COMBUSTION ENGINES WILL BE EQUIPPED WITH APPROVED MUFFLERS OR WITH SPARK ARRESTORS DURING PERIODS OF FIRE DANGER.
- (2) DURING DRILLING OPERATIONS, A FIRE TOOL CACHE WILL BE LOCATED ON EACH DRILL SITE. THIS CACHE WILL CONSIST OF A MINIMUM OF TWO PULASKIS AND THREE SHOVELS IN A SEALED BOX PLAINLY MARKED FOR "FIRE USE ONLY".

K. GENERAL

- (1) ALL PRECAUTIONS WILL BE TAKEN TO PROTECT THE ENVIRONMENT AND RESOURCES ON AND ADJACENT TO THE OPERATIONS.
- (2) SANITATION AND THE DISPOSAL OF ALL WASTE AND REFUSE WILL BE ACCOMPLISHED IN A MANNER THAT IS WITHIN THE FRAMEWORK OF THE POLLUTION STATEMENT ACT (E.O. 11507).
- (3) ALL CONDITIONS OF THE DEPARTMENT OF AGRICULTURE STIPULATIONS AND THE LEASE SPECIAL STIPULATIONS NOT HEREIN MENTIONED WILL BE OBSERVED AND FOLLOWED.
- (4) CATTLEGUARDS MEETING FOREST SERVICE SPECIFICATIONS WILL BE INSTALLED AT ALL DESIGNATED FENCE LOCATIONS.
- (5) SHOULD THESE BECOME PRODUCING WELLS, AN OPERATION PLAN FOR THE PRODUCTION PHASE WILL BE NEGOTIATED.
- (6) ALL INGRESS AND EGRESS TO THE DRILL SITES WILL BE ESTABLISHED ACCESS ROADS. NO OFF-ROAD VEHICLE USE WILL BE PERMITTED WITHOUT THE CONSENT OF THE FOREST SERVICE.

THE UNDERSIGNED HAVE READ THE FOREGOING OPERATING PLAN AND AGREE TO ACCEPT AND ABIDE BY ALL TERMS AND CONDITIONS SET FORTH.

U. S. FOREST SERVICE

BURTON/HAWKS, INC.

DFR, DUCHESNE RANGER DISTRICT

Robert E. Wellborn
EXPLORATION MANAGER

FOREST SUPERVISOR, ASHLEY NAT'L FOREST

May 2, 1976
DATE

DATE

SPECIFICATIONS FOR ROADS ON SOUTH UNIT
OF ASHLEY NATIONAL FORESTS

NUTTERS RIDGE ROAD 10332 (EXISTING)

SIDE HILL CUTS - OUTSLOPE ROAD CONSTRUCTED TO INTERCEPT DIPS NOT TO EXCEED 300 FEET BETWEEN DIPS. NUMBER AND DISPLACEMENT OF DIPS WILL BE DETERMINED BY PERCENT OF GRADE OF ROAD. THE STEEPER THE GRADE, THE CLOSER THE DIPS SHALL BE PLACED. PLUS 8% GRADE DIPS SHALL NOT EXCEED 150 FOOT INTERVALS.

RIDGE TOP SECTIONS - (RELATIVELY LITTLE CUT OR FILL). ROADSIDE DITCHES SHALL BE CONSTRUCTED AND FLARE DITCHES CUT EVERY 300-500 FEET. FLARE DITCHES NOT TO EXCEED 500 FEET. SLOPE ROAD TOWARD FLARE DITCH 50-100 FEET PRIOR TO FLARE DITCH SO THAT WATER IS FORCED TO EXIT. ROAD SHALL BE CROWNED BETWEEN FLARE DITCH SECTIONS SO THAT WATER DRAINS TO DITCH.

FILL SECTIONS - CROWN ROAD OR SUPER
FOREST SERVICE ENGINEERS WILL STAKE INTERCEPTING DIPS AND FLARE DITCHES PRIOR TO ANY ROAD WORK UPON PRIOR NOTIFICATION.



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

12-POINT PROGRAM

April 7, 1976

Mr. Ed Gynn
U.S. Geological Survey
8416 Federal Building
125 South State Street
Salt Lake City, Utah, 84111

Re: Burton/Hawks, Inc.
Grassy Hollow Federal #28-1
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 28, T6S-R7W
Duchesne County, Utah

Dear Ed:

The following is Burton/Hawks, Inc.'s 12-Point Program for the above captioned well.

1. Access will be via State Highway 33 to the access road, then via the dirt access road four-tenths (4/10) of a mile to the drill site. Road reconstruction will be necessary.
2. The dotted road is new construction necessary to get to the drill site. SEE TOPO MAP FOR CULVERTS, ETC. SEE COPY OF SPECIFICATIONS FOR ROADS ON SOUTH UNIT OF ASHLEY NATIONAL FOREST.
3. The location of the well is shown on the accompanying survey plat.
4. Lateral roads to new locations would be submitted at a later date in the event of a discovery.
5. Tank batteries and flow lines for a discovery well are shown on the accompanying rig layout plans
6. Water for the drilling operations will be hauled by truck from local area ranchers.
7. Storage and removal of trash, garbage, and pollutants. All trash, garbage, etc. will be kept in containers and hauled out to a sanitary landfill. No trash or environmentally hazardous materials will be disposed of in the reserve pit. All wastes and by-products of this operation that might be detrimental to plant or animal life will be disposed of in a sanitary landfill.

K

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED
APR 4 1977
DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING
* * * * *

Well Name and Number Grassy Hollow Federal No. 28-1

Operator Burton/Hawks, Inc.

Address P. O. Box 359, Casper, Wyoming 82602

Contractor Burton/Hawks Drilling Company

Address P. O. Box 359, Casper, Wyoming 82602

Location SW 1/4, SW 1/4, Sec. 28 ; T. 6 _S ; R. 7 _W ; Duchesne County

Water Sands:

	<u>Depth:</u>		<u>Volume:</u> Flow Rate or Head -	<u>Quality:</u> Fresh or Salty -
	From-	To-		
1.	<u>555'</u>		<u>?</u>	<u>?</u> *
2.	<u>1163'</u>		<u>?</u>	<u>?</u> *
3.				
4.				
5.				

(Continue on Reverse Side if Necessary)

Formation Tops:

Surface to 3600 Green River Formation
3600' wasatch

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
 (b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.
 (c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

* Drilling with air. As soon as water zone reached immediately started injecting soap to control water flow.



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

CLEON B. FEIGHT
Director

1588 West North Temple
Salt Lake City, Utah 84116

April 19, 1977

Burton/Hawks Inc.
P. O. Box 359
Casper, Wyoming 82601

RE: WELL NO. GRASSY Hollow Federal 28-1
Sec. 28, T. 6S, R. 7W
Duchesne County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK

BURTON/HAWKS, INC.
Grassy Hollow Federal #28-1
Duchesne County, Utah
T6S-R7W, Sec. 28, SW $\frac{1}{4}$ SW $\frac{1}{4}$

- 1-5-77 Rigged up. Preparing to spud.
- 1-6-77 Spudded 1:00 p.m. Drilling rat hole. Waiting on compressors.
- 1-7-77 Drilling @ 211'. 7-7/8" hole.
- 1-8-77 Cemented with 300 sx. Washed out around mouse hole. WOC 12 hrs.
- 1-9-77 Drilled out with 12 $\frac{1}{4}$ " hole. Drilled to 400'.
- 1-10-77 @ 645'. Getting ready to run 9-5/8" surface casing @ 645', 12 $\frac{1}{4}$ " hole.
- 1-11-77 Attempted to run casing. Would not go. Cemented up fracture in the rat hole with 150 sx. cement. Waited 10 hrs. and washed the bottom @ 650'. Getting ready to rerun casing.
- 1-12-77 Set 647' 9-5/8" casing. Cemented with 400 sx. Class G. Got good returns. Nippling up.
- 1-13-77 Drilling @ 720'. Dusting 7-7/8" hole.
- 1-14-77 Drilling @ 1552'.
- 1-15-77 Drilling @ 1930', small amount oil to pits, small amount of gas at connection from there on down.
- 1-16-77 Drilling @ 2850', slight increase in gas at connection. Hole started torquing up, started misting hole and continued on down with 5 to 10 barrels per hour. Took gauge at 3280'. Tested 15 minutes at 14 MCFPD. Still making gas at connection. Top of Wasatch at about 3600'.
- 1-17-77 Drilling @ 4020'. Probably go down to 4500'. Averaging 1 $\frac{1}{2}$ minutes per foot.
- 1-18-77 @ 4482', trying to get out of hole to log.
- 1-19-77 Stuck in hole, 3 jts off TD. Ran McCulloch free-point survey. Indicated tight at collar above bit. Attempted 6 times to shoot off pipe above bottom collar. Possibly came free. Pulled 1 $\frac{1}{2}$ jts. then drill pipe backed off threads 1500' above collar (the shock broke weight indicator). Went back in hole and screwed into drill pipe. Pulled up very tight. Waiting on new weight indicators.
- 1-20-77 Ran Induction Electric Gamma Ray Log at 2847'. Backed off @ 3993'. Left 14 collars, one bumper sub and one jt. of drill pipe in hole. Plugged with 45 sx @ 3600', 45 sx. @ 2000', 25 sx. @ base of surface pipe and 10 sx. @ top of surface.



BURTON/HAWKS, INC. *K*

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

April 21, 1977

U. S. Geological Survey
8440 Federal Building
125 South State Street
Salt Lake City, Utah, 84111

✓ State of Utah
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah, 84111

Re: Grassy Hollow Federal #28-1
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 28, T6S-R7W
Duchesne County, Utah

Gentlemen:

Enclosed please find the Well Completion Report, with attachment, and the Notice of Intent to Temporarily Abandon, with cementing record attached, on the above captioned well.

If further information is needed, please let us know.

Yours very truly,

BURTON/HAWKS, INC.

Robert E. Wellborn,
Exploration Manager

Attachments





STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 22, 1983

Burton/Hawks, Inc.
First National Bank Building
P. O. Box 359
Casper, Wyoming 82602

2nd NOTICE

Re: Well No. Grassy Hollow Fed. # 28-1
Sec. 28, T. 6S, R. 7W.
Duchesne County, Utah

Gentlemen:

The above referred to well has been currently under a temporarily abandoned status for six months or longer. Would you be kind enough to inform this office of a change in status, or let us know if it is still temporarily abandoned, submitted on a Sundry Notice (Form OGC-1B, enclosed).

**You are in violation with the above rule. If you wish to continue developing business in the State of Utah, compliance with pertinent rules and regulations is essential. Further delay in your attention to this matter may result in punitive action. Please submit the required information as stated above within fifteen (15) days.

Thank you for your prompt attention to the above submittal.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf
Enclosure



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 23, 1982

Burton/Hawks, Inc.
First National Bank Building
P. O. Box 359
Casper, Wyoming 82602

Re: Well No. Grassy Hollow Federal #28-1
Sec. 28, T. 6S, R. 7W.
Duchesne County, Utah

Gentlemen:

The above referred to well has been currently under a temporarily abandoned status for six months or longer. Please inform this office of the current status of this well location and send in the necessary required papers.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.

13

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other Temp. Aband.

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other RECEIVED

2. NAME OF OPERATOR
Burton/Hawks, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 359, Casper, Wyoming, 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1116' FSL/ 239' FWL SW $\frac{1}{4}$ SW $\frac{1}{4}$
At top prod. interval reported below
At total depth

14. PERMIT NO. - DATE ISSUED 7-28-76

5. LEASE DESIGNATION AND SERIAL NO.

U-9000

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OF LEASE NAME

9. WELL NO.

Grassy Hollow Fed. #28-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 28, T6S-R7W

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUDED 1-16-77 16. DATE T.D. REACHED 1-18-77 17. DATE COMPL. (Ready to prod.) - 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 1795' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4482' 21. PLUG, BACK T.D., MD & TVD - 22. IF MULTIPLE COMPL., HOW MANY* - 23. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None 25. WAS DIRECTIONAL SURVEY MADE... No

26. TYPE ELECTRIC AND OTHER LOGS RUN Induction-GR 2847' to surface 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
<u>9-5/8"</u>	<u>24#</u>	<u>647'</u>	<u>12$\frac{1}{2}$"</u>	<u>400 sx. to surface</u>	<u>none</u>

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE 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

Daily drilling report. Ind.-Gr Log and Drill Time-Summary Log have already been furnished.

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

SIGNED Robert E. Wellborn TITLE Exploration Manager DATE 4-21-77

*(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 19: 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		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Green River	555'	?	Water flow while air drilling; volume and quality not known
Green River	1163	?	" " " "
Green River	1930	1943	14 MCRCPD gaged
Wasatch	4000'	?	3-6 bbls. black oil to pit in 6 hrs. 1100F pour point.

NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Green River Wasatch	Surface 3600'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

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 "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.
U-9000

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
Grassy Hollow Fed. #28-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T6S-R7W

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

RECEIVED
APR 25 1977
OIL & GAS DIVISION

1. OIL WELL GAS WELL OTHER Dry Hole

2. NAME OF OPERATOR
Burton/Hawks, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 359, Casper, Wyoming, 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
1116' FSL/ 239' FWL SW $\frac{1}{4}$ SW $\frac{1}{4}$

14. PERMIT NO.
None given

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7788 GL, 7799 KB

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* Temp. <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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.)*

Spudded 1-6-77. Reached TD of 4482' on 1-17-77. Spudded in Green River formation, Top Wasatch 3600'. Drilled with air; stuck in hole at TD. Backed off drill pipe just above drill collars, leaving 1 jt. of drill pipe, 14 collars, one bumper sub, bit sub, and bit in the hole. Logged hole to 2847' with Schlumberger Ind-GR log.

Set cement plugs as follows:

- 3600-3450' 45 SX. Top of Wasatch
- 2000-1850' 45 SX. Across the only gas zone encountered in the well 1930; 14 MCFGD
- 650-550' 25 SX. Base of surface casing (set to 647')
- Surface 10 SX.

Note: A flow of high pour-point oil (110°F) was encountered at 4000' in the Wasatch, which caused us to get stuck in the hole. The well is temporarily abandoned while we gather data on the advisability of reentering the hole to recover fish and attempt a completion. The location has been left intact for the present.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: April 25, 1977
BY: P. U. [Signature]

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

SIGNED Robert E. Wellborn TITLE Exploration Manager DATE 4-21-77

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Dry & Abandoned</u>		5. LEASE DESIGNATION AND SERIAL NO. U-9000
2. NAME OF OPERATOR Burton/Hawks, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 359 - Casper, WY 82602		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1116' FSL/239' FWL SWSW		8. FARM OR LEASE NAME
14. PERMIT NO.	15. ELEVATIONS (Show whether OF, RT, OR, etc.) 7788' GL, 7799' KB	9. WELL NO. Grassy Hollow Fed. #28-1
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 28 T6S R7W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(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.)*

The Grassy Hollow Fed. #28-1 was plugged & abandoned on 1/21/77. Set cement plugs as follows:

- 1st plug: 45 sx @ 3450-3600'
- 2nd plug: 45 sx @ 1850-2000'
- 3rd plug: 25 sx @ 550-650'
- 4th plug: 10 sx to surface

Rehabilitation in accord with Part 7 & 11 of Surface Use Plan (USFS 2/3/77) is estimated to start on June 1, 1983.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
 DATE: _____
 BY: _____

RECEIVED
MAY 05 1983

DIVISION OF
OIL, GAS & MINING

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

SIGNED William M. O'Keefe TITLE Field Representative DATE 5/3/83
William M. O'Keefe

(This space for Federal or State office use)

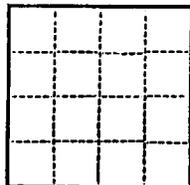
APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

43-013-30407

Form 9-596
(April 1959)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. 28
T. 6S
R. 7W
USB&M Mer.



INDIVIDUAL WELL RECORD

PUBLIC LAND:

Date May 24, 1976

Ref. No. #3

Land office Utah State Utah

Serial No. U-9000 County Duchesne

Leasee King Resources Co.
Natural Resources Corp. Field - -

Operator Burton/Hawks, Inc. District Salt Lake City

Well No. Grassy Hollow #28-1 Subdivision SW₄ SW₄

Location 1116' FSL and 239' FWL

Drilling approved JUL 28 1976, 19__ Well elevation 7795 Ungraded Ground feet

Drilling commenced 1-16, 1977 Total depth 4482 feet

Drilling ceased _____, 19__ Initial production _____

Completed for production 1-18, 1977 Gravity A. P. I. _____

Abandonment approved 10-19, 1992 Initial R. P. _____

Geologic Formations		Productive Horizons		
Surface	Lowest tested	Name	Depths	Contents

WELL STATUS

OIL GAS & MINING

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1977	Spud ABd											
1992										PHA		

REMARKS 9 5/8" CSG @ 647' w/ 400 SKS

1 W R