

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. - Madex

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  
 1818 FNL ~~218~~ FEL Section 1, T20S, R23E, B. & M.  
 At proposed prod. zone 310



14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 9 miles North of Cisco, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 600

16. NO. OF ACRES IN LEASE  
 600

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.

19. PROPOSED DEPTH  
 2900' *Entrada*

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 Ungraded ground 4753' elevation.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11'	8-5/8"	24.16	200'	To surface
7-7/8"	4-1/2"	10.60	2750'	Across pay

1. Drill 11' hole to 200', set 8-5/8" casing, cement to surface
2. Drill 7-7/8" hole to approximately 2750'.
3. Run 4-1/2" casing if productive
4. P&A per USGS instructions if dry hole

Bond coverage provided under Nationwide Oil & Gas Bond No. 4414852

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 [Signature] TITLE \_\_\_\_\_ DATE 10 10 1979

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

BURTON/HAWKS, INC.  
10 POINT PROGRAM

Attachment to Form 9-331-C "Application to Drill, Deepen, or Plug Back".

1. GEOLOGIC NAME OF SURFACE FORMATION.

Cretacious Mancos

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Cretacious Dakota 1950

Javasic Morrison 2060

Salt Wash 2390

Entrada 2710

TD 2790

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS, OR OTHER MINERAL BEARING FM

Water 100' Oil 2390

4. CASING PROGRAM:

200' 8 5/8 Production 4 1/2 10.60

5. BOP PROGRAM: (See attached Figure 3)

6. DRILLING FLUID:

Air

7. AUXILIARY EQUIPMENT:

1. Kelly Cock

2. Drill pipe float

3. Stabbing valve on floor

8. TESTING, LOGGING, OR CORING:

BURTON - HAWKS  
DRILLING COMPANY  
EAST CISCO SPRINGS UNIT #1-3

PROPOSED LOCATION



SCALE - 1" = 4 MI.



U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-17049

OPERATOR: Burton/Hawks, Inc.

WELL NO. #1-3

LOCATION: 1/4 SW 1/4 NE 1/4 sec. 1, T. 20 S., R. 23 E., SIM

Grand County, Utah

1. **Stratigraphy:** Operator projected tops appear reasonable, but oil and gas may be encountered at other intervals. Well no. 1-6 Bowers Federal (sw se sec. 6, T.20 S., R. 24 E., SIM gr 4695) reports initial production of 215 MCF/GPD from the base of the Cedar Mt. Formation 1780-1786.

2. **Fresh Water:**

In the general area of the proposed test, fresh to slightly saline water has been produced from the Morrison Formation. The rocks above the Morrison are not expected to yield potable water.

3. **Leasable Minerals:**

None expected of any significance.

4. **Additional Logs Needed:**

APD proposed logging program should be adequate.

5. **Potential Geologic Hazards:**

None anticipated.

6. **References and Remarks:**

Within 1 1/2 miles of the Cisco Springs and Agate KGS.

Ref: USGS Map I-736, Utah State Engineer Tech. Pub. 15, USGS Files, Salt Lake City, Utah.

Signature: James F. Hall

Date: 07 - 11 - 79

United States Department of the Interior  
Geological Survey  
8440 Federal Building  
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-17049

Operator Burton Hawks

Well No. 1-3

Location 210' FEL 1818' FNL Sec. 1 T. 20S R. 23E

County Grand State Utah Field Wildcat

Status: Surface Ownership Public Minerals Federal

Joint Field Inspection Date September 4, 1979

Participants and Organizations:

<u>Elmer Duncan</u>	<u>Bureau of Land Management</u>
<u>John Evans</u>	<u>U. S. Geological Survey</u>
<u>Dallas Galley</u>	<u>Casada, Dirt Contractor</u>
<u>Craig Denton</u>	<u>Operator's Representative</u>
<u>Jay Denton</u>	<u>Observer</u>
<u>Ollie Knutson</u>	<u>Dirt Contractor</u>
<u>Stan Stance</u>	<u>Drilling Contractor</u>

Related Environmental Analyses and References:

- (1) Book Mountain Unit Resource Analysis, Bureau of Land Management, Utah
- (2)

Analysis Prepared by: John T. Evans, Environmental Scientist, Grand Junction

Date September 10, 1979

*200' news access - 18' wide*  
*200' news access - 18' wide*  
*200' news access - 18' wide*  
*200' news access - 18' wide*

JOHN T. EVANS JR.  
 9-12-79  
 1-5

Proposed Action:

On August 7, 1979, Burton Hawks filed an Application for Permit to Drill the No. 1-3 exploratory well, a 2900' oil and gas test of the Salt Wash Formation; located at an elevation of 4753' in the SE/4 NE/4, Sec. 1, T20S, R23E, on Federal mineral lands and public surface; lease No. U-17049. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Freshwater sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan is on file in the U.S.G.S. District Office in Salt Lake City, Utah, and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City, Utah.

A working agreement has been reached with the Bureau of Land Management, the controlling surface Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 150' wide x 350' long and a reserve pit 50' x 80'. A new access road would be constructed 18' wide x 200' long from an existing and improved road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, plans for a gas flowline would be submitted to the appropriate agencies for approval. The anticipated starting date is September 1979 and duration of drilling activities would be about ten days.

Location and Natural Setting:

The proposed drillsite is approximately 9 miles NNE of Cisco, Utah, the nearest town. A fair dirt road runs to within 200' of the location. This well is a wildcat well in the Danish Wash gas and oil field.

Topography:

The proposed location is basically a low terrace or bench that trends east and west known as the Grassies. The ground slopes to the SE.

Geology:

The surface geology is Mancos. The soil is silty shales and gravels derived from Mancos parent material. No geologic hazards are known near the drill site. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U. S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

#### Soils:

No detailed soil survey has been made of the project area. The topsoils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinyon-juniper association is also present.

Topsoil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately two acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

#### Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated. Operator would control dust from air drilling operations by misting or other acceptable means.

#### Precipitation:

Annual rainfall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rainstorms. This type of storm is rather uncommon as the annual precipitation is around 8".

Winds are medium and gusty, occurring predominantly from Air mass inversions are rare. The climate is semiarid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

#### Surface Water Hydrology:

There are no live streams in the general area. All drainages in immediate area are nonperennial streams and flow to the south and eventually into the Colorado River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean up all spills or leaks.

#### Groundwater Hydrology:

Some minor pollution of groundwater systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination, and commingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of freshwater formations are listed in the 10-Point Subsurface Protection Plan. The pits would be If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Plants in the area are of the salt-desert shrub types grading to the pinyon-juniper association several miles to the north.

Proposed action would remove about acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area. The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and are judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. The overall effect of oil and gas drilling and production activity is significant in Grand County but it is difficult to assess the environmental impact of a single well on state and/or national levels. However, if said well was to produce in sufficient quantity, additional development wells might be anticipated. This additional development, in turn, would lead to greater environmental and socioeconomic consequences.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Book Mountain Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

#### Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

#### Alternatives to the Proposed Action:

- 1) Not Approving the Proposed Permit--The Oil and Gas Lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies' supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration.
- 2) Minor relocation of the wellsite and access road would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

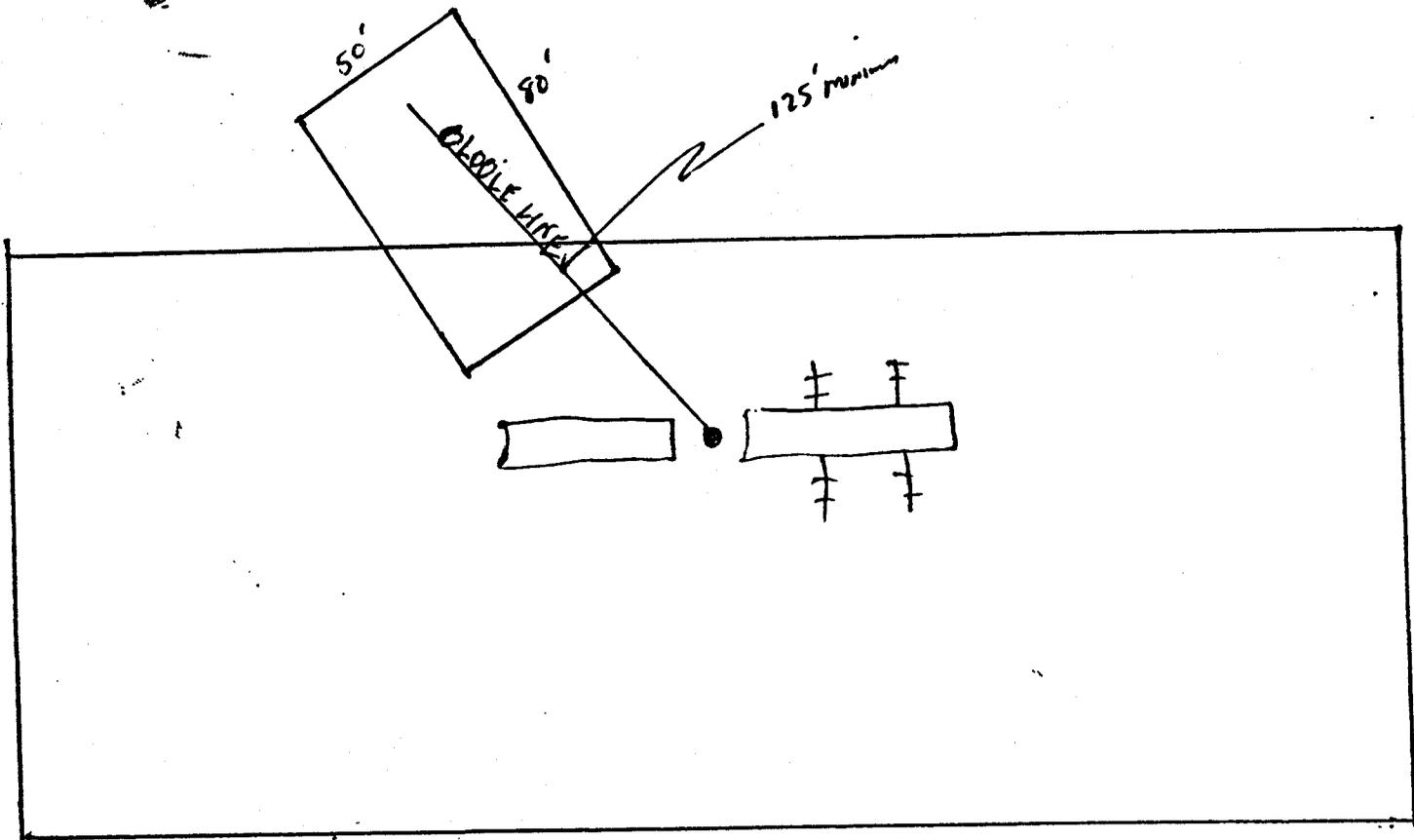
Proposed Supplemental Conditions of Approval:

- 1) Dust from air drilling operation be controlled by acceptable methods.
- 2) Operator has option to use trash burn pit rather than portable trash cage. Trash pits should be fenced with fine mesh wire prior to drilling.
- 3) Reserve pit change by operator request to 50' x 80'.
- 4) Sundry Notice would be required for approval of production facilities. Notice should include plat of proposed locations of facilities; size, grade of pipe and whether buried or surface laid, etc.
- 5) Subject to BLM stipulations.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately two acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for subsurface damage to freshwater aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the . The potential for pollution to the would exist through leaks and spills.

If well is a producer, other development wells would be anticipated with substantially greater environmental and economic impacts.



1" = 50'

Buetow Hawks  
General PAD AREA -

Determination:

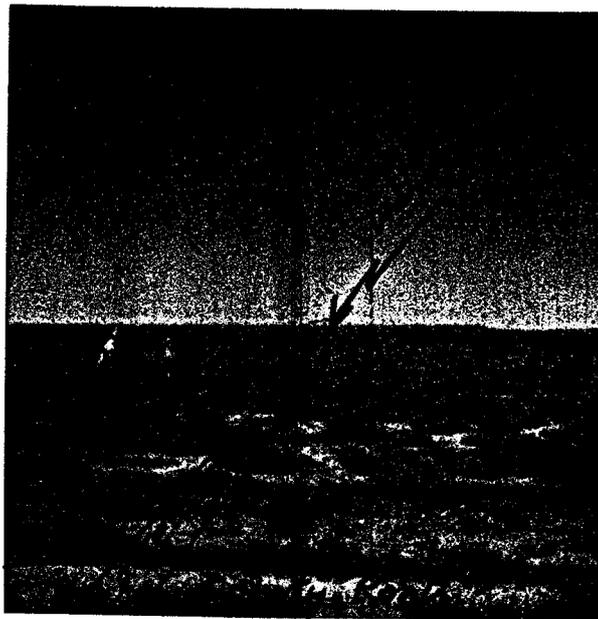
This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

Date

9/19/79

E. S. [Signature]

District Engineer  
U. S. Geological Survey  
Conservation Division  
Oil and Gas Operations  
Salt Lake City District



1-3  
Purton Hawks  
210' FEL 1818' FNL 1001 205 23E  
9-4-79 JZ

Oil and Gas Drilling

EA #429-79-B

United States Department of the Interior  
Geological Survey  
1745 West 1700 South  
Salt Lake City, Utah 84104

Usual Environmental Analysis

Lease No.: U-17049

Operator: Burton/Hawks Inc.-Madex

Well No.: 1-3

Location: 1818' FNL & 310' FEL

Sec.: 1

T.: 20S R.: 23E

County: Grand

State: Utah

Field: Wildcat

Status: Surface Ownership: Public

Minerals: Federal

Field Inspection Date: October 15, 1979

Participants and Organizations:

George Diwachak

USGS - Salt Lake City, Utah

Glenn Doyle

USGS - Grand Junction, Colorado

Elmer Duncan

BLM - Moab, Utah

Related Environmental Analyses and References:

(1) EA #429-79-A

(2) Book Mountain Unit Resource Analysis, BLM, Moab, Utah

Analysis Prepared by: George Diwachak  
Environmental Scientist  
Salt Lake City, Utah

*See Mitigative Measures  
Pg 1-1 & 2*

Date: October 22, 1979

Proposed Action:

On October 1, 1979, Burton/Hawk Inc.- Madex submitted a Sundry Notice, proposing to move the No. 1-3 exploratory well 100 feet west to comply with State spacing regulations. The proposed location move would place the pad near a deep wash running north-south.

Environmental Effects:

A description of the existing environment of the area is provided in EA #429-79-A.

No major additional environmental effects would be expected if the proposed move is approved. However, the operator should take adequate precautions to avoid damage to the nearby drainage.

Alternative to the Proposed Action:

1). Deny the proposed permit. Denial of the proposal would require the operator to obtain an exception to State spacing regulations. This action could cause delays in the drilling of this well. Mitigative measures could be incorporated into the drilling program to insure that no additional environmental consequences would occur by drilling. Therefore, the alternative of denying the location move is rejected.

2). Approve the proposed permit: Approval of the location move, incorporating mitigative measures into the drilling program would not increase the expected environmental effects. Therefore, the alternative of approving the location move is recommended.

Mitigative Measures:

1. At least a 25 foot buffer zone of undisturbed ground should remain between the west edge of the pad and the wash. The northwest corner of the pad would be rounded to provide an adequate buffer zone.
2. Adequate archaeological clearances should be received for the new location.

Adverse Environmental Effects Which Cannot Be Avoided:

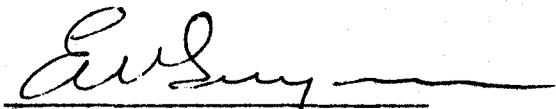
Other than the potential for increased sedimentation and pollution to the wash near the west edge of the pad, no additional adverse environmental consequences as reported in EA #429-79-A.

Determination:

This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

Date

10/26/79



District Engineer  
U.S. Geological Survey  
Conservation Division  
Oil and Gas Operations  
Salt Lake City, Utah

BURTON HAWKS DRILLING CO.

13 Point Surface Use Plan

For

Well Location

East Cisco Springs Unit #1-3

Located In

Section 1 , T20S, R23E, S.L.B.& M.

Grand County, Utah

BURTON HAWKS DRILLING CO.  
East Cisco Springs Unit #1- 3  
Section 1, T20S, R23E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach Burton Hawks Drilling Company, well location site East Cisco Springs Unit #1- 3, located in the SE $\frac{1}{4}$  NE $\frac{1}{4}$  Section 1, T20S, R23E, S.L.B. & M., Grand County, Utah; proceed Northerly out of Cisco, Utah, on the old U.S. Highway 6, 5.4 miles to its junction with a road to the Northwest; proceed Northwesterly along this road 5 miles to its junction with the proposed access road. (to be discussed in Item #2)

The Highway mentioned above is a bituminous surfaced road, all other roads in the area mentioned above are dirt roads constructed from the native materials that are prevalent to the areas they are located in.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and the production phase of this well at such time that production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing road in the SW $\frac{1}{4}$  NW $\frac{1}{4}$  Section 6, T20S, R24S, S.L.B. & M. and proceeds in a Southwesterly direction 200' to the proposed location site in said Section 1.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any runoff from normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 $\frac{1}{2}$  to 1 slopes and terraced.

The road will be centerline flagged prior to the commencement of construction.

BURTON HAWKS DRILLING CO.  
East Cisco Springs Unit #1-3  
Section 1, T20S, R23E, S.L.B. & M.

2. PLANNED ACCESS ROAD - Continued

See Topographic Map "B".

There will be no culverts required along this access road.

The grade of this road will vary from flat to 8%, but will not exceed this amount. This road will be constructed from native borrow accumulated during construction.

If deemed necessary by the local governmental agencies or their representatives turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges or at intervals and locations that will provide the greatest sight distance. These turnouts will be 200' in length and 10' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and outlet ends.

Any fences that are encountered along this road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements and with a new gate installed at one end of the cattleguard.

The access from the road to the gate will be of such a nature that there will be no impedance of traffic flow along the main access road and no difficulties encountered by traffic utilizing the gate, either leaving or entering the proposed access road.

The terrain that this access road traverses is relatively flat.

The vegetation of this route consists of sparse amounts of sagebrush, rabbitbrush, some grasses, and cacti with large areas that are devoid of vegetation.

3. EXISTING WELLS

See attached Topographic Map "B".

There is one well within a one mile radius of this location site. (See attached Topographic Map "B" for location of this well relative to the proposed location site.)

BURTON HAWKS DRILLING CO.  
East Cisco Springs Unit #1- 3  
Section 1 , T20S, R23E, S.L.B.& M.

3. EXISTING WELLS - Continued

There are no water wells, abandoned wells, temporarily abandoned wells, disposal wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources located within a one mile radius of this location site.

4. LOCATION OF EXISTING & PROPOSED FACILITIES

At the present time there are no known Burton Hawks Drilling Company tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one mile radius of this location site.

In the event that production of this well is established the existing area of the location will be utilized for the establishment of the necessary production facilities.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources.

These areas will be built using bulldozers, graders, and workman crews to construct and place facilities.

It is not known at this time where production lines will be run. In the event production is established plans will be submitted to the appropriate agencies for approval before construction is begun.

If there is any deviation from the above, all appropriate agencies will be notified.

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

BURTON HAWKS DRILLING CO.  
East Cisco Springs Unit #1-3  
Section 1, T20S, R23E, S.L.B. & M.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "A".

Water to be used in the drilling of this well will be hauled from the Cisco, Utah, municipal water supply, this water will be hauled by truck over the roads described in Item #1 approximately 11 miles South of the location site.

In the event this is not a suitable source another source will be decided upon and all agencies involved will be notified.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native material that will be used in the construction of this location site and access road will consist of sandy-clay soil and sandstone and shale material gathered in actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve and burn pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. All trash and flammable materials will be burned in the burn pit. Non-flammable material such as cuttings, salts, chemicals etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the burn pit will be fenced on three sides. Upon completion of drilling the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation are attempted.

A portable chemical toilet will be supplied for human waste.

All produced oil from this well will be contained in the storage tank and will be sold. Water, if any, which is produced will be run into a reserve pit as required in the NTL-2B Regulations.

BURTON HAWKS DRILLING CO.  
East Cisco Springs Unit #1-3  
Section 1, T20S, R23E, S.L.B. & M.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached location layout sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 4' of cover. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area is a large valley known as the Grand Valley, which is formed by the Book Cliff Mountains to the North and numerous mesa's to the South with the Colorado River running through the valley floor. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstone, conglomerates, and shale deposits.

BURTON HAWKS DRILLING CO.  
East Cisco Springs Unit #1-3  
Section 1, T20S, R23E, S.L.B.& M.

11. OTHER INFORMATION - Continued

The majority of the surrounding drainages are of a non-perennial nature with normal flow limited to the early spring and extremely rare heavy thunderstorms, or rain storms of high intensity that lasts over an extended period of time and are extremely rare in nature as the normal annual precipitation is only 8".

All drainages in the immediate area are non-perennial streams and flow to the South and are tributaries to the Colorado River.

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fluvial Sandstone and Mudstone) from the Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poor gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates, and shales).

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as primary flora, areas of sagebrush, rabbitbrush, some grasses, and cacti, and large areas of bare soils devoid of any growth in the areas away from and in the vicinity of non-perennial streams and along the areas that are formed along the edges of perennial streams, cottonwood, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to this area.

The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

The area is used by man for the primary purpose of grazing domestic livestock.

The Topography of the Immediate Area - (See Topographic Map "B")

East Cisco Springs #1-3 , sits on a relatively flat area below an area known as the Grassies.

BURTON HAWKS DRILLING CO.  
East Cisco Springs Unit #1-3  
Section 1 , T20S, R23E, S.L.B.& M.

11. OTHER INFORMATION - Continued

The geologic structure of the location is of Uinta Formation and consists of light brownish-gray clay (SP-CL) with some sandstone outcrops.

The ground slopes from the North through the location to the South at approximately a 2% grade.

The location is covered with some sagebrush and grasses.

The total surface ownership effected by this location is owned by the B.L.M.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Rance Denton  
Burton Hawks Drilling Co.  
P.O. Box 359  
Casper, Wyoming 82601

Telephone: 307-234-1593

13. CERTIFICATION

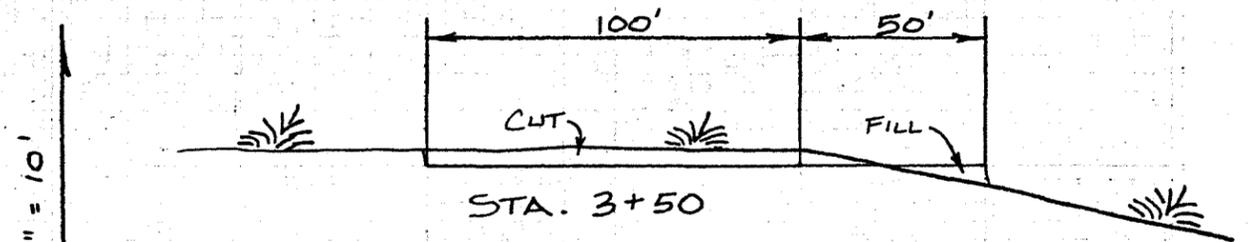
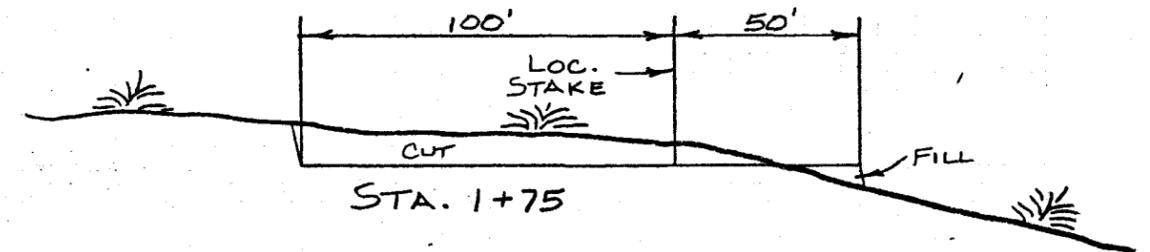
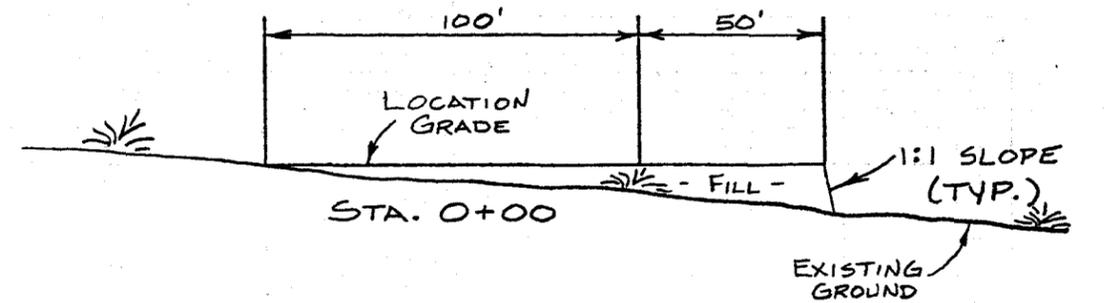
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with the operation proposed herein will be performed by Burton Hawks Drilling Co. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Rance Denton  
Drilling Superintendent

BURTON HAWKS DRILLING COMPANY

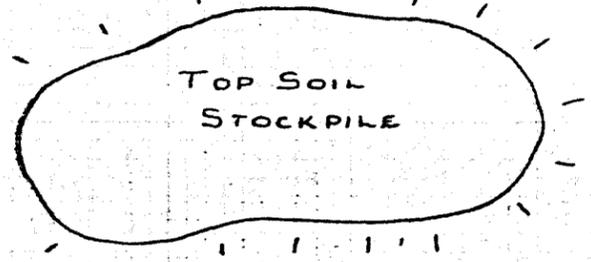
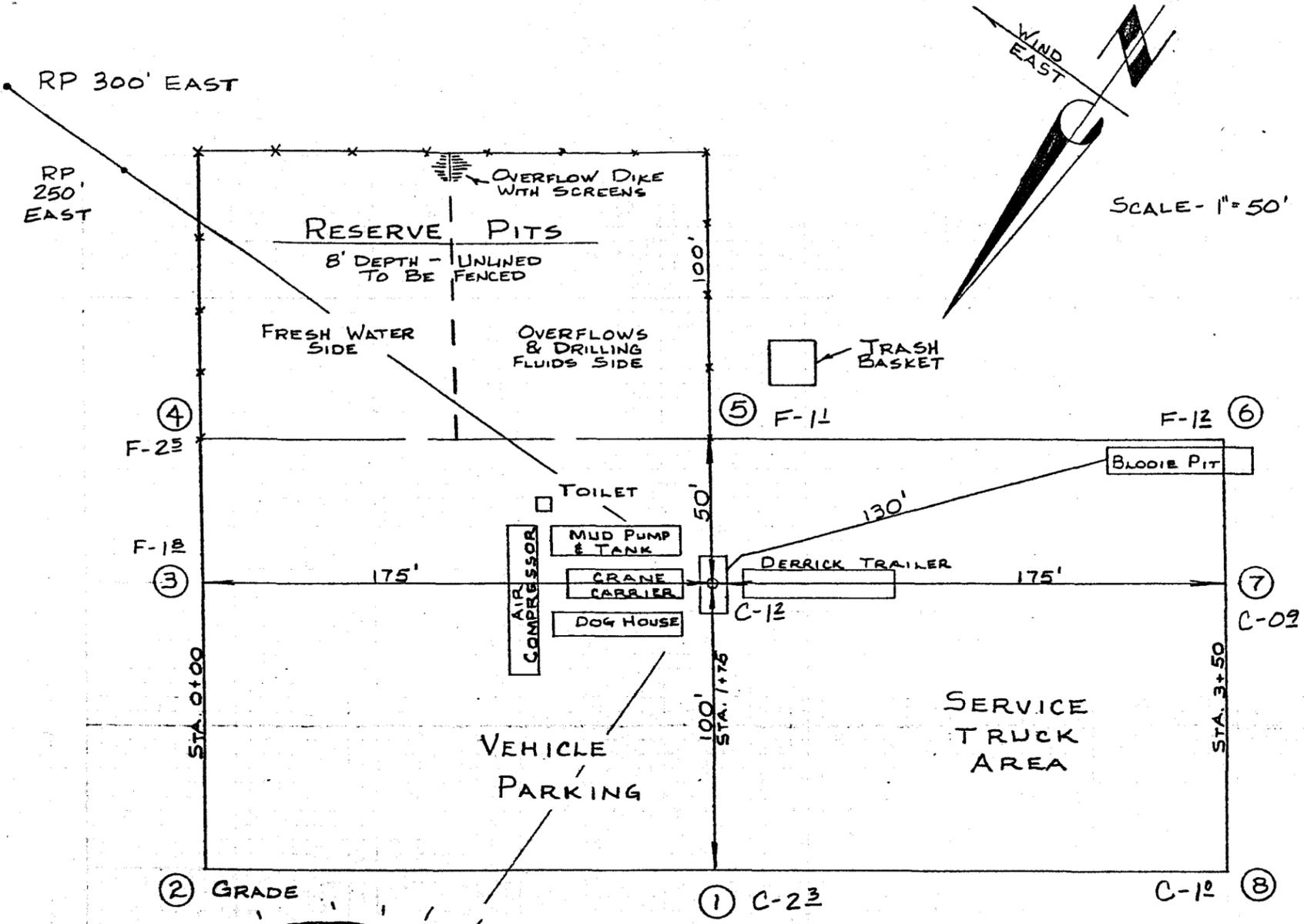
EAST CISCO SPRINGS UNIT #1-3  
LOCATION LAYOUT & CUT SHEET



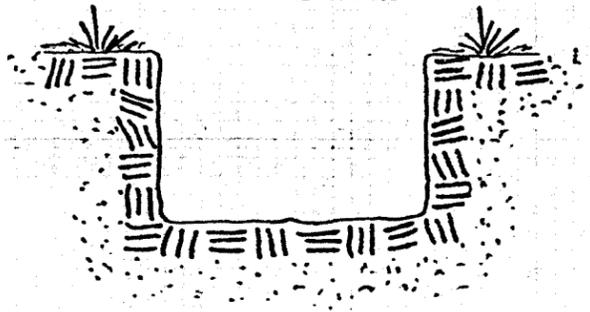
C  
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S

1" = 10'  
SCALES  
1" = 50'

APPROX. YARDAGES  
CUT - 1,594 CU. YDS.  
FILL - 798 CU. YDS.



SOILS LITHOLOGY  
- NO SCALE -



LIGHT BROWN SANDY CLAY

RP 300' EAST

RP 250' EAST

SCALE - 1" = 50'

WIND EAST

RESERVE PITS

8' DEPTH - UNLINED TO BE FENCED

FRESH WATER SIDE

OVERFLOWS & DRILLING FLUIDS SIDE

TRASH BASKET

F-11

F-12

BLOOD PIT

TOILET

MUD PUMP & TANK

CRANE CARRIER

DOG HOUSE

AIR COMPRESSOR

DERRICK TRAILER

C-12

SERVICE TRUCK AREA

VEHICLE PARKING

② GRADE

① C-23

C-12

TOP SOIL STOCKPILE

RP 250' NORTH

RP 300' NORTH

④

F-25

F-12

③

STA. 0+00

50'

100'

①

STA. 3+50

⑧

UNLINED TO BE FENCED

175'

130'

175'

100'

50'

LOCATION GRADE

STA. 0+00

EXISTING GROUND

1:1 SLOPE (TYP.)

100'

50'

LOC. STAKE

STA. 1+75

100'

50'

STA. 3+50

SCALES

1" = 50'

APPROX. YARDAGES

CUT - 1,594 CU. YDS.

FILL - 798 CU. YDS.

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: August 7, 1979

Operator: Burton/Hawks, Inc.

Well No: East Cisco Fed. #1-3

Location: Sec. 1 T. 20S R. 23E County: Grand

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

✓ API Number: 43-019-30557

CHECKED BY:

Administrative Assistant: ~~and to the letter with stipulation for pressure control equipment. Bonnie~~  
Remarks:

Petroleum Engineer:  
Remarks: To close to East LN. Under Field Rule 2.2  
300' from lease (E) 200' 1/4 (N)

Director: approve 1-3 w/draw approval 1-2 & 1-4  
Remarks: 102-16 OK

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:   
Order No. 102-16 8/22/79  
102-6 4/10/68

Survey Plat Required:   
Surface Casing Change to

Rule C-3(c), Topographic exception/company owns or controls acreage within a 660' radius of proposed site

O.K. Rule C-3

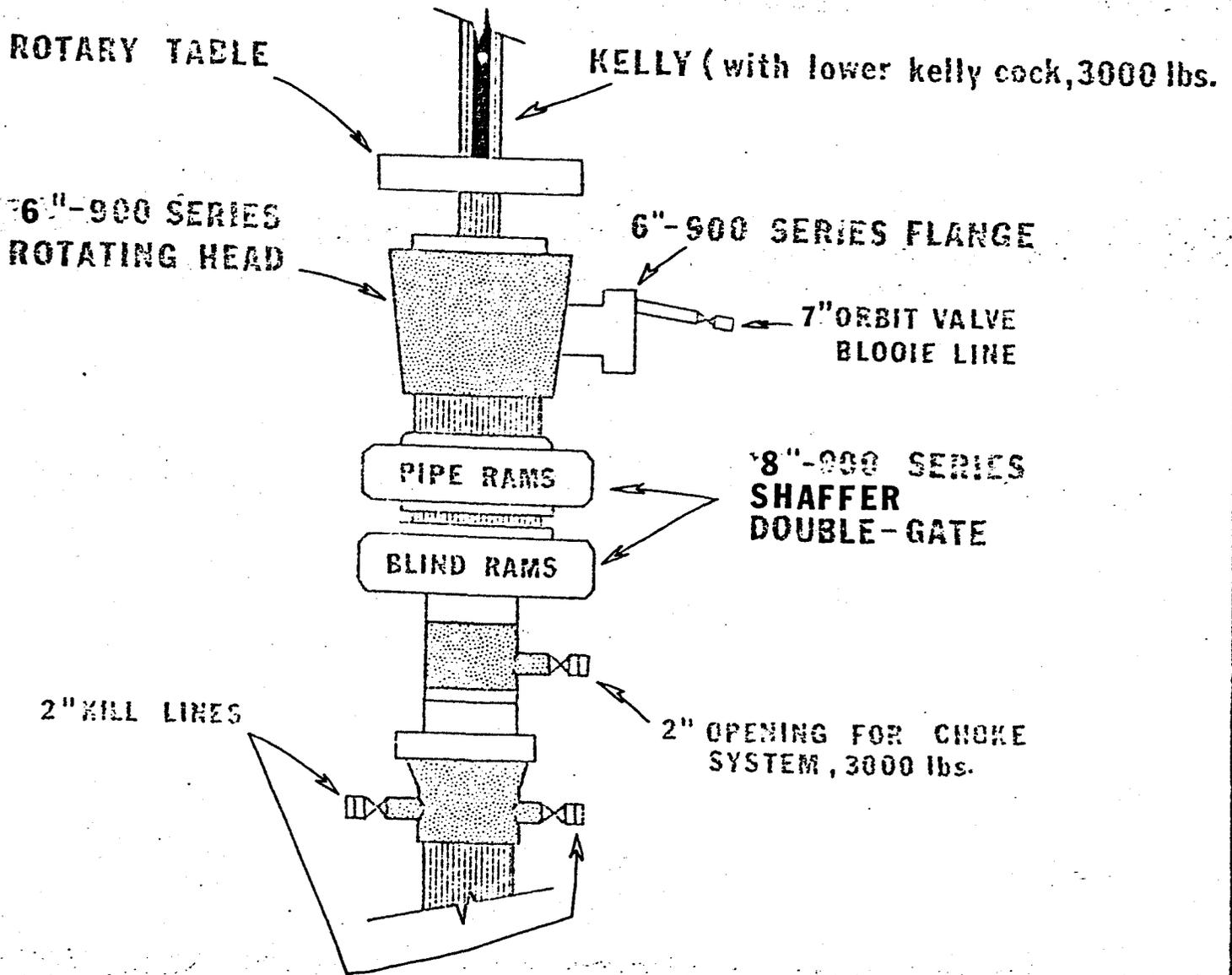
O.K. In \_\_\_\_\_ Unit

Other:

#3  
Fed  
PI hl  
plotted

Letter Written/Approved  
btm

BOP STACK



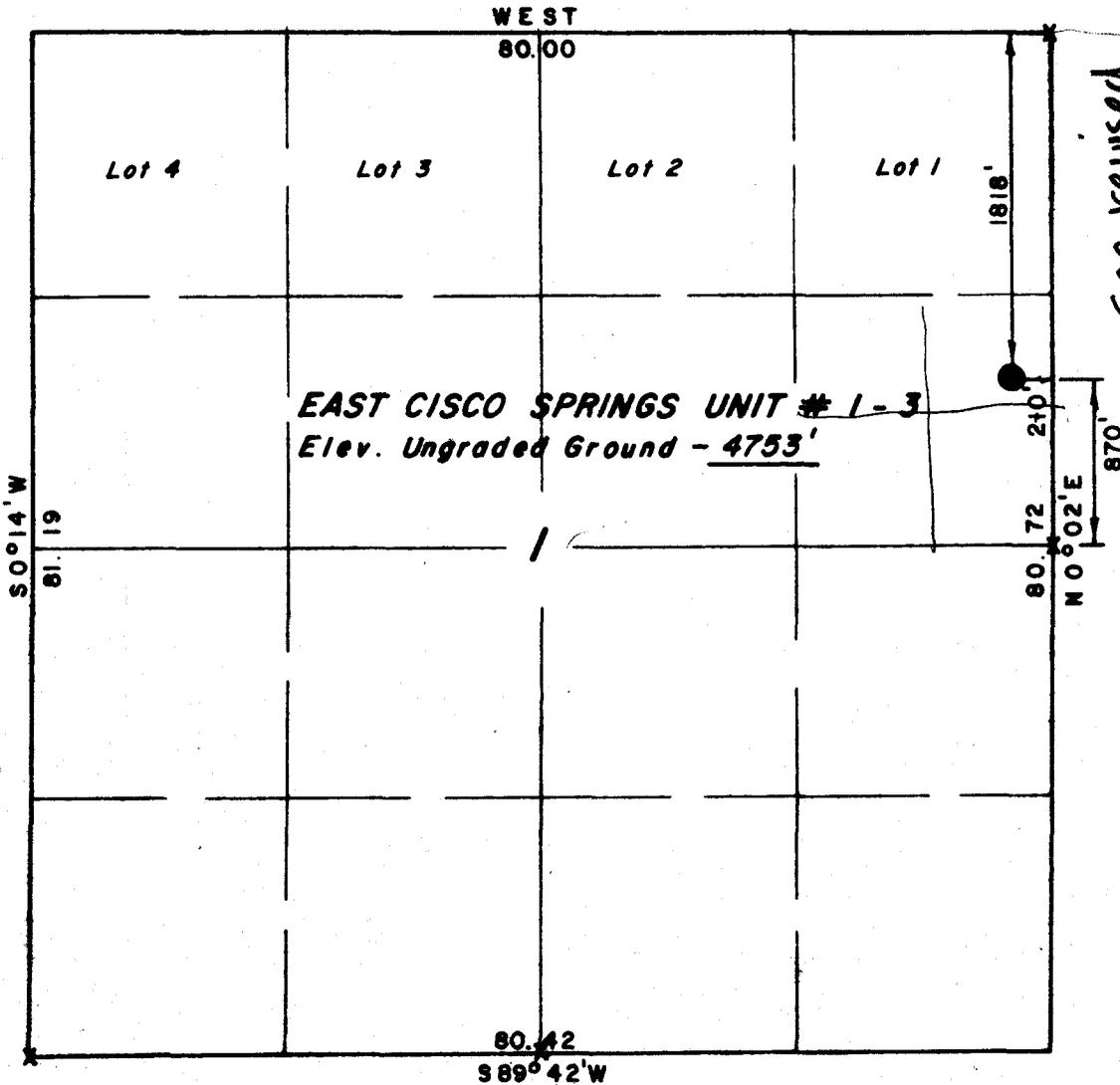
rig no. 3

NOT TO SCALE

T 20 S , R 23 E , S.L.B. & M.

PROJECT  
**BURTON-HAWKS DRILLING CO.**

Well location, **EAST CISCO SPRINGS UNIT # 1-3**, located as shown in the SE 1/4 NE 1/4 Section 1, T 20S, R 23E, S.L.B. & M. Grand County, Utah.



see revised plat



**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.

*Gene 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

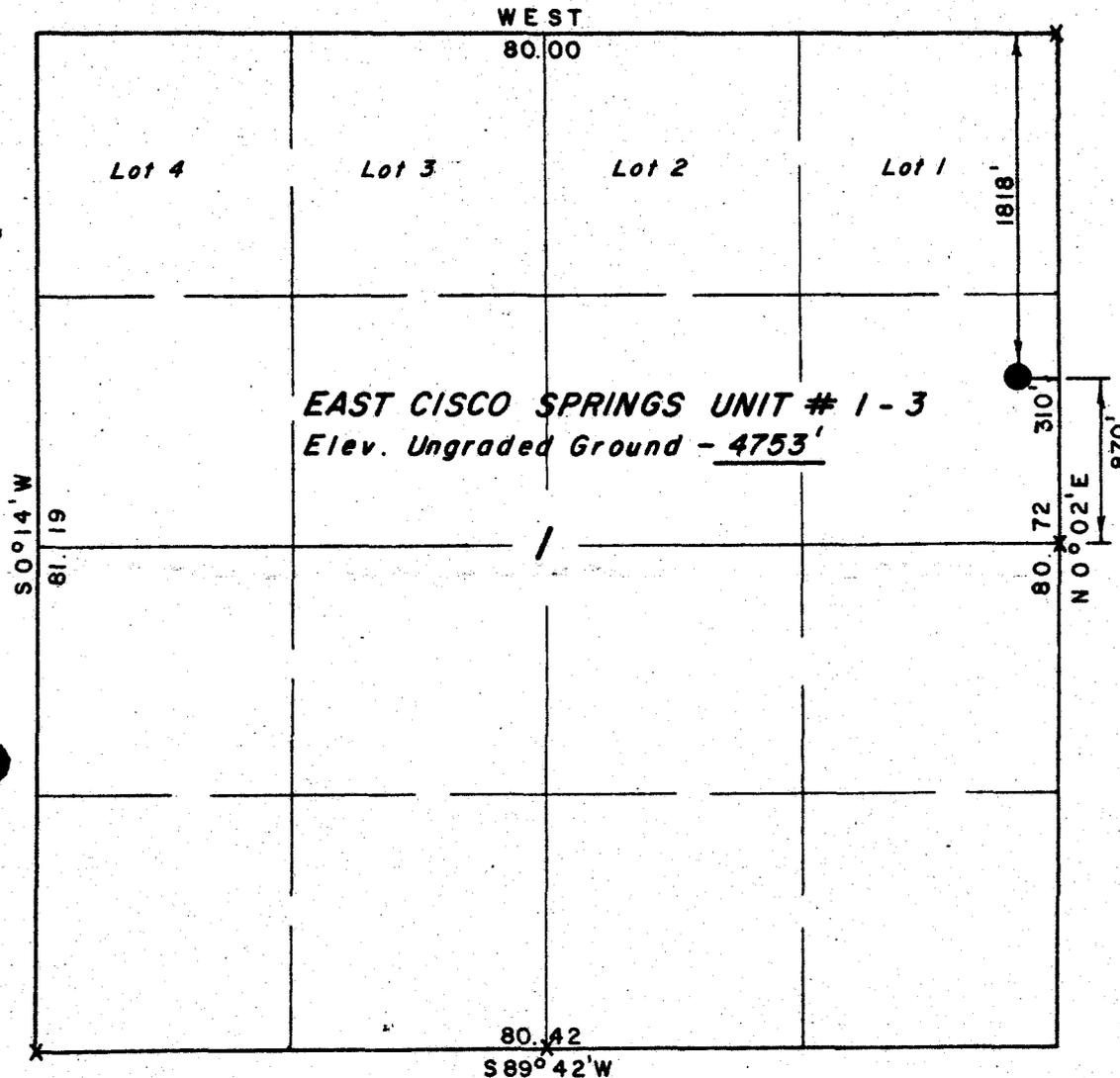
X = Section Corners Located

SCALE	1" = 1000'	DATE	8 / 6 / 79
PARTY	GS DS DW RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	BURTON - HAWKS

T 20 S , R 23 E , S.L.B. & M.

PROJECT  
BURTON-HAWKS DRILLING CO.

Well location, *EAST CISCO SPRINGS UNIT # 1-3*, located as shown in the SE 1/4 NE 1/4 Section 1, T 20S, R 23E, S.L.B. & M. Grand County, Utah.



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.

*[Signature]*

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	8 / 6 / 79
PARTY	GS DS DW RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	BURTON-HAWKS

X = Section Corners Located

September 24, 1979

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

Re: Well No. East Cisco Federal 1-3  
Sec. 1, T. 20S, R. 23E.,  
Grand County, Utah

Dear Sir:

The above referenced well cannot be approved for the following reasons:

1. East Cisco Federal 1-3 cannot be approved until it is determined whether or not East Cisco Federal 122 is an oil well or a gas well.
2. East Cisco Federal 1-3 also appears to be too close to the lease line unless Burton/Hawks, Inc. owns or controls Section 6, Township 20 South, Range 24 East. Also, this proposed well is only 166' from the quarter-quarter-quarter line which doesn't fit the spacing pattern under order No. 102-16.

If you have any questions, please contact me.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight  
Director

CBF/bdm

cc: USGS

August 24, 1979

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

Re: Well No. East Cisco Federal #1-2, Sec. 1, T. 20S, R. 23E., Grand County, Utah  
Well No. East Cisco Federal #1-3, Sec. 1, T. 20 S, R. 23E., Grand County, Utah

Gentlemen:

We would request that you examine your APD's on the above referenced wells to see if they meet the requirements of Cause No. 102-16 which amends Field Rules 1-2 and 2-2. A copy of the memorandum on the order issued by the Board of Oil, Gas and Mining has been included for your information. Should you wish to pursue these applications, please furnish additional information required under Cause No. 102-16 and if necessary, make application to appear before the Board.

If in view of the rule changes you choose to re-submit or withdraw your application, please inform this office so that we may know your decision and act upon it.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Geological Engineer

MTM:btm

Enc.

cc



BURTON/HAWKS, INC.

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

September 28, 1979

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

Re: East Cisco Federal #1-3  
SE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 1, T20S-R23E  
Grand County, Utah

Dear Mr. Gynn:

Enclosed please find our Sundry notice for change of plans to move the above proposed well 100' west of its present location to satisfy the Oil & Gas Conservation Commission of Utah, Cause #102-16 requiring 300' tolerance between well locations and lease boundary.

If further information is required, please advise.

Yours very truly,

BURTON/HAWKS, INC.

*Bruce A. Studer*  
Bruce A. Studer,  
Landman

BAS/jo

cc: Mr. John Evans  
U.S.G.S.  
131 North 6th, Ste. 300  
Grand Junction, Colorado, 81501

Mr. Rocky Curnutt  
BLM, Grand Resource Area  
P.O. Box M  
Moab, Utah, 84532

State of Utah  
1588 West North Temple  
Salt Lake City, Utah, 84116





**BURTON/HAWKS, INC.**

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

September 28, 1979

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

Attn: Mr. Cleon Feight, Director

Re: Well No. East Cisco Federal  
#1-3, Sec. 1, T20S, R23E  
Grand County, Utah

Gentlemen:

Enclosed please find our revised survey plat for the above referenced well. Please note the location has been moved 100 feet west to a point 1818' FNL, 310' FEL.

Burton/Hawks, Inc. proposes to drill the #1-1 and the #1-3 in the immediate future. Our present plans do not include drilling the #1-2 or #1-4 until the results of the first two tests are in.

Pursuant to our discussion of September 26, 1979, Burton/Hawks will obtain your approval prior to commencing any work on the #1-2.

If I can be of further assistance in this matter, please advise me at your earliest convenience.

Yours very truly,

*Bruce A. Steider*  
BRUCE A. STEIDER

BAS/df

EC Fed 1-2 20S 23E Sec 1  
EC Fed 1-4 20S 23E Sec 1



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-17049

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

EAST CISCO FEDERAL

9. WELL NO.

#1-3

10. FIELD AND POOL, OR WILDCAT

WILDCAT

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

Sec. 1, T20S-R23E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

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. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
BURTON/HAWKS, INC. - MADEX

3. ADDRESS OF OPERATOR  
P. O. BOX 359, CASPER, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
1818 FNL ~~310~~ FEL SECTION 1, T20S, R23E, S.L.M.  
310

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
Ungraded Ground 4753' Elevation

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"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(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.)\*

Propose to move present location 100' due West because of conflict with State Oil and Gas Commission Cause #102-16 requiring 300' Tolerance between well locations and lease boundary.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: Oct. 9, 1979

BY: Frank M. Hamner



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

SIGNED Robert E. Wellborn  
Robert E. Wellborn

TITLE Exploration Manager

DATE September 27, 1979

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

October 11, 1979

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

Well No. East Cisco Federal #1-3  
Sec. 1, T. 20S, R. 23E.,  
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause 102-16 dated August 22, 1979. However, at this time, the approval granted for well No. East Cisco Federal 1-2 and East Cisco Federal 1-4 is rescinded until further notice.

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

MICHAEL T. MINDER  
Geological Engineer  
Office: 533-5771  
Home: 876-3001

FRANK M. HAMNER  
Chief Petroleum Engineer  
Office: 533-5771  
Home: 531-7827

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30557.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael Tm Minder  
Geological Engineer

/utm

cc: USGS

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Burton/Hawks, Inc.

WELL NAME: East Cisco Federal #1-3

SECTION 1 SE SE TOWNSHIP 20S RANGE 23E COUNTY Grand

DRILLING CONTRACTOR Starner Drilling

RIG # \_\_\_\_\_

SPUDDED: DATE 11/3/79

TIME 10:00 a.m.

HOW rotary

DRILLING WILL COMMENCE ASAP

REPORTED BY \_\_\_\_\_

TELEPHONE # \_\_\_\_\_

DATE November 5, 1979

SIGNED M. J. Minder

cc: USGS

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

8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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  
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 1818 FNL, 230 FEL  
At top prod. interval reported below 310' **SE NE**  
At total depth Same

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED 6-19-79

5. LEASE DESIGNATION AND SERIAL NO.  
U-17049

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
East Cisco Federal

9. WELL NO.  
#1-3

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec.1, T20S,R23E,SLM

12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUDDED 11-3-79 16. DATE T.D. REACHED 11-7-79 17. DATE COMPL. (Ready to prod.) 11-28-79 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 4753 GR; 4760 KB 19. ELEV. CASINGHEAD 4754

20. TOTAL DEPTH, MD & TVD 2746 21. PLUG, BACK T.D., MD & TVD 2350 22. IF MULTIPLE COMPL., HOW MANY\* --- 23. INTERVALS DRILLED BY --- ROTARY TOOLS All CABLE TOOLS None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 2240 to 2248 KB, Brushy Basin Zone of Morrison 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, FDC-CNL-GR 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
8 5/8	24	160	12 1/2	Circulated	none
4 1/2	10 1/2	2490	6 3/4	120 sx RFC	none

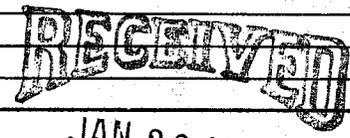
29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
none					1 1/2"	2270	---

31. PERFORATION RECORD (Interval, size and number)  
1-3/8" hole each 2373, 2375, 2376, 2377, 2378, 2379, 2382, 2383, 2384 - unproductive, Set CIBP at 2350.  
1-3/8" hole each 2242, 2243, 2244, 2245, 2246

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) Shut In

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-27-79	22	7/32" Orifice		---	215	---	---
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL VISCOSITY-API (CORR.)	
200 psig	225 psig		---	235	---	---	---

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Will be sold to pipeline TEST WITNESSED BY J. N. Burkhalter-PE

35. LIST OF ATTACHMENTS  
None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED J. N. Burkhalter TITLE Consulting Engineer DATE 11-14-80

\*(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		38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Brushy Basin Zone of Morrison	2240	2248	Shaly Sandstone, Contains Gas	Dakota Morrison	1886 2063	
Salt Wash Zone of Morrison	2370	2385	Shaly Sandstone, Contains small amount Brackish Water	Entrada	2677	

# HYDROCARBON SYSTEMS ENGINEERING, INC.

P.O. BOX 4840

CASPER, WYOMING 82604

(307) 234-4841

January 5, 1982

**RECEIVED**  
JAN 12 1982

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

**DIVISION OF  
OIL, GAS & MINING**

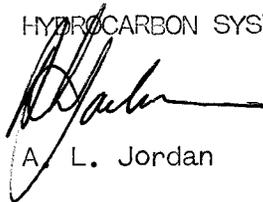
Re: Gas Production Reporting

Dear Sir:

Hydrocarbon Systems Engineering, Inc. is overseeing the operations of the East Cisco 1-3 gas well for Burton/Hawks-Madex located in Section 1, T20S-R23E, Grand County, Utah. Please advise us of your reporting requirements so that we may remain in compliance. If you know of any other reporting requirements, would you please give the agency involved so that we may contact them? Thank you.

Sincerely yours,

HYDROCARBON SYSTEMS ENGINEERING, INC.



A. L. Jordan

cc Burton/Hawks, Inc.

AJ/mj

THE FOLLOWING METERS WILL HAVE CALIBRATION / SETTLEMENT TESTS RUN ON THE DATES INDICATED. STARTING TIME WILL BE 0800 OR AS SPECIFIED BELOW AND AT THE OFFICE OF THE NORTHWEST PIPELINE GRAND JUNCTION DISTRICT YOU WILL BE NOTIFIED SHOULD ANY CHANGES OCCUR IN THIS SCHEDULE. IF YOU HAVE ANY QUESTIONS ABOUT THE SCHEDULE, CONTACT OR WRITE THE DISTRICT OFFICE.

METER CODE	WELL NAME	LOC	RUN	DAY	MO/YR	STARTING TIME
92159019	EAST CISCO FEDERAL #1-3	20823E/	06	05	<u>5</u> 11/85	<u>0930</u>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
JAN 14 1987

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease <sup>DIVISION OF</sup> OIL, GAS & MINING

STATE OFFICE: Salt Lake City, Utah  
SERIAL NO.: U-17049

and hereby designates

NAME: BOG, Inc.  
ADDRESS: 200 Grand Avenue, Suite 318, P. O. Box 636,  
Grand Junction, Colorado 81502

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 authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

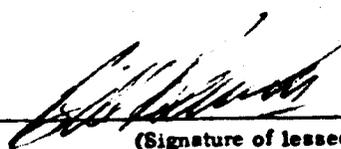
Township 20 South, Range 23 East, SLM  
Section 1: SE $\frac{1}{4}$ NE $\frac{1}{4}$  from the surface down to the stratigraphic equivalent of the total depth drilled in the #1-3 East Cisco Federal Well (2,746 feet) located in the the SE $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 1, Township 20 South, Range 23 East, SLM, Grand County, Utah

~~43-019-30557~~ 43-019-30557

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 authorized officer of any change in the designated operator.  
BURTON/HAWKS, INC.

  
\_\_\_\_\_  
(Signature of lessee)  
Bill Hawks, President 

October 14, 1986  
(Date)

P. O. Box 359, Casper, WY 82602  
(Address)



# STATE OF COLORADO

DEPARTMENT OF  
STATE

## CERTIFICATE

RECEIVED  
JAN 09 1988

DIVISION OF  
OIL, GAS & MINING

I, NATALIE MEYER, Secretary of State of the State of Colorado hereby certify that the prerequisites for the issuance of this certificate have been fulfilled in compliance with law and are found to conform to law.

Accordingly, the undersigned, by virtue of the authority vested in me by law, hereby issues A CERTIFICATE OF

AMENDMENT TO BOWERS OIL AND GAS, INC., FORMERLY KNOWN AS BOG, INC.

Dated: SEPTEMBER 19, 1988

SECRETARY OF STATE



355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. (801-538-5340)

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• BOG INC (BOWERS)  
P O BOX 636  
GRAND JUNCTION CO 81502  
ATTN: DENISE D. JOHNSON

Utah Account No. NO150  
Report Period (Month/Year) 1 / 89  
Amended Report

Well Name API Number Entity Location	Producing Zone	Days Oper	Production Volume		
			Oil (BBL)	Gas (MSCF)	Water (BBL)
X ADAMS # 22-2 FEDERAL 4301930664 00245 20S 21E 22	MRSN				
X ADAMS #22-1 FEDERAL 4301930684 00245 20S 21E 22	MRSN				
X BOWERS FED #1-6 4301930411 00420 20S 24E 6	BUKHN				
X BO-TX #2-36 4301930747 00430 20S 21E 36	DKTA				
X TUMBLEWEED #1 4301930513 02235 20S 21E 27	MNCS				
X FEDERAL TUMBLEWEED #27-5 4301930715 02235 20S 21E 27	MNCS				
X TUMBLEWEED 27-8 4301931165 02235 20S 21E 27	MNCS				
X FEDERAL 22-3 4301930665 02236 20S 21E 22	MNCS				
X TUMBLEWEED 27-3 4301930643 02260 20S 21E 27	MRSN				
X AKAH #1 4303715870 06240 42S 22E 33	PRDX				
X ADAMS #1 STATE 4301915106 06275 20S 21E 36	DKTA				
X E CISCO FEDERAL 1-3 4301930557 08235 20S 23E 1	MRSN				
X BN #4-33 4303730919 09170 42S 22E 33	AKAH				
TOTAL					

Comments (attach separate sheet if necessary) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_

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

SUBMIT IN DUPLICATE\*  
 (Other instructions on reverse side)

**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    N/A		5. LEASE DESIGNATION AND SERIAL NO. N/A
2. NAME OF OPERATOR Bowers Oil & Gas, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 636, Grand Junction, CO 81502		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  N/A		8. FARM OR LEASE NAME N/A
14. PERMIT NO. N/A		9. WELL NO. N/A
15. ELEVATIONS (Show whether DF, RT, GR, etc.) N/A		10. FIELD AND POOL, OR WILDCAT N/A
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA N/A
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.)*		12. COUNTY OR PARISH N/A
18. STATE Utah		18. STATE Utah

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input type="checkbox"/>

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Report of Shut-in Wells	<input checked="" type="checkbox"/>

(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.)\*

Shown below are the following wells, operated by Bowers Oil & Gas, Inc., which were shut-in as of February 10, 1992:

WELL	MINERAL OWNERSHIP	COUNTY
1. Federal #1-6 43-019-30411	Federal Sec 6, T20S, R24E	Grand
2. BO-TX #2-36 43-019-30747	State Sec 36, T20S, R21E	Grand
3. Mancos Wells	Federal	Grand
Tumbleweed 27-8 43-019-31165	Sec 27, T20S, R21E	
Tumbleweed 27-5 43-019-30715	Sec 27 T20S R21E	
Tumbleweed 1 43-019-30513	Sec 27 T20S R21E	
4. Tumbleweed #27-3 43-019-30643	Federal Sec 27 T20S R21E	Grand
5. Adams 22-1 & 2 43-019-30684	Federal Sec 22 T20S R21E	Grand
6. East Cisco Federal #1-3	Federal 43-019-30557	Grand
7. Adak #26-3 43-019-30582	Federal Sec 26 T20S R21E	Grand
Adams 22-2 43-019-30664	Sec. 22, T20S R21E	

These wells are gas wells shut-in because of low gas prices, except for the Adams #22-1 which is shut-in because of mechanical problems.

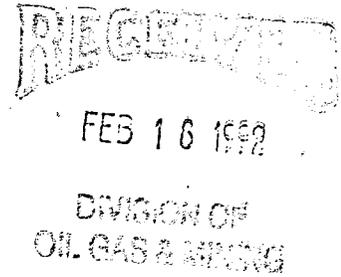
18. I hereby certify that the foregoing is true and correct

SIGNED James E. Bowers TITLE President DATE 2/13/92

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



DIVISION OF OIL, GAS AND MINING  
OF THE STATE OF UTAH

RECEIVED

NOV 12 1992

DIVISION OF  
OIL GAS & MINING

DESIGNATION OF OPERATOR  
\*\*\*\*\*

The undersigned producer, operator, transporter, refiner, gasoline of initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations and Rules of Practice and Procedure of the Division of Oil, Gas and Mining of the State of Utah, hereby appoint Linn Bros. Oil & Gas, Inc., whose address is P.O. Box 416, Fruita, CO 81521, (~~his, her or its~~) designated operator to accept and to be served with notices from said Board, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah. This designation applies to the wells shown on exhibit A, attached.

The undersigned further agrees to immediately report in writing, all changes of address of the operator, and any termination of the operator's authority, and in the latter case, the designation of a new operator shall be immediately made. This designation of operator, however, shall remain in full force and effect until and unless a new designation of operator is filed in accordance with said statute and said regulations.

Effective date of designation 10/29/92

Company Bowers Oil & Gas, Inc. Address P.O. Box 636, Grand Junction, CO  
81502

By *James S. Bowers* Title President  
(signature)

RECEIVED

NOV 12 1992

DIVISION OF  
OIL GAS & MINING

EXHIBIT A

October 29, 1992 conveyance from Bowers Oil and Gas, Inc. to Linn Bros. Oil and Gas, Inc.

<u>PROPERTY</u>	<u>LOCATION</u>	<u>OTHER</u>
Adak #26-3 Well (11110) 43-019-30582	Sec. 26, T20S, R21E	N/A
BH-Fed. #1-3 Well (08235) 43-019-30557	NE 1/4 Sec. 1, T20S, R21E 23E	NWP Meter #92159
Federal #1-6 Well (00420) 43-019-30411	SE 1/4 Sec. 6, T20S, R21E 24E	NWP Meter #92315
(Adams #22-1 & (Adams 22-2 Wells (00245) 43-019-30684) 43-019-30664	Sec. 22, T20S, R21E	NWP Meter #94101
(Tumbleweed #s 1) (27-8 & 27-5 Wells 43-019-30513) (43-019-31165) (02235) (Tumbleweed 27-5 43-019-30715)	Sec. 27, T20S, R21E	N/A
Tumbleweed #27-3 Well (02260) 43-019-30643	Sec. 27, T20S, R21E	N/A

All Wells are located in Grand County, Utah.



355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. (801-538-5340)

# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• LYN CORDOVA  
BOWERS OIL AND GAS INC  
PO BOX 636  
GRAND JUNCTION CO 81502

Utah Account No. N1065

Report Period (Month/Year) 10 / 92

Amended Report

Well Name	Producing Zone	Days Oper	Production Volume	Gas (MSCF)	Water (BBL)
API Number Entity Location			Oil (BBL)		
ADAMS # 22-2 FEDERAL					
4301930664 00245 20S 21E 22	MRSN				
ADAMS #22-1 FEDERAL					
4301930684 00245 20S 21E 22	MRSN				
BOWERS FED #1-6					
4301930411 00420 20S 24E 6	BUKHN				
BO-TX #2-36					
4301930747 00430 20S 21E 36	DKTA				
TUMBLEWEED #1					
4301930513 02235 20S 21E 27	MNCS				
FEDERAL TUMBLEWEED #27-5					
4301930715 02235 20S 21E 27	MNCS				
TUMBLEWEED 27-8					
4301931165 02235 20S 21E 27	MNCS				
TUMBLEWEED 27-3					
4301930643 02260 20S 21E 27	DKTA E. MRSN				
NORTH BOUNDARY BUTTE # 1 (AKAH #1)					
4303715870 06240 42S 22E 33	PRDX				
ADAMS #1 STATE					
4301915106 06275 20S 21E 36	DKTA				
E CISCO FEDERAL 1-3					
4301930557 08235 20S 23E 1	MRSN				
FEDERAL 26-3					
4301930582 11110 20S 21E 26	MNCS				
TOTAL					

*DK-Cm "Petro-X Corporation"*  
*DK-MR "Ambra O&B"*  
*DK-MR "Wesley Pettingill"*  
*DKTA "Petro-X Corporation" NFM-1641*

Comments (attach separate sheet if necessary)

*\* 921221 Btm/maab Changes reflect mnCS Pz Only (Bowers to Lina Bros.), other PZ's are to remain "Petro-X, Ambra, and Wesley Pettingill." Jp*

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.)

Exp. or Augment 31, 1984  
FORM NO. 100-107-101

71-017049

IF OTHER, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

FEDERAL

9. WELL NO.

#1-3

10. FIELD AND POOL, OR WILDCAT  
GREATER CISCO AREA  
MORRISON POOL

11. SEC., T., R., M., OR B.L.K. AND  
SURVEY OR AREA  
Sec. 1, T20S, R23E,  
SLB & m

12. COUNTY OR PARISH

GRAND

13. STATE

UT

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
LINN BROS. OIL AND GAS, INC.

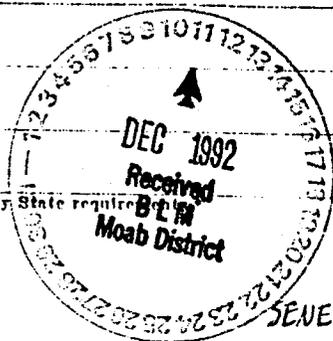
3. ADDRESS OF OPERATOR  
P.O. BOX 416, FRUITA, CO 81521

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

1818' FNL, 210' FEL

14. PERMIT NO.  
43-019-30557

15. ELEVATIONS (Show whether DE, RT, OR, etc.)  
4760' 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"/>	FULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input checked="" type="checkbox"/>	CHANGE OF OPERATOR	<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<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.)\*

CHANGE OF OPERATOR

Linn Bros. Oil and Gas, Inc. is taking over operations of the above captioned well. Linn Bros. Oil and Gas, Inc. is responsible under the terms and conditions of the lease for operations conducted on the leased lands or portions thereof.

Bond coverage for this well will be provided by BLM Bond No. UT0927.

Bowers Oil and Gas, Inc. is the company Linn Bros. Oil and Gas, Inc. is replacing as operator.

RECEIVED

DEC 10 1992

DIVISION OF  
OIL, GAS & MINING

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

SIGNED *Gene A. Linn*

TITLE *See*  
Assistant District Manager  
for Minerals

DATE *12/10/92*

(This space for Federal or State office use)

APPROVED BY *William C. Thomas*  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_ DATE *12/16/92*

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions on Reverse Side

1 LCR	7-LCR
2 DTS	
3 VLC	
4 RJF	
5 RWN	
6 ADA	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator             Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-29-92)

TO (new operator)	<u>LINN BROS OIL &amp; GAS INC</u>	FROM (former operator)	<u>BOWERS OIL AND GAS INC</u>
(address)	<u>PO BOX 416</u>	(address)	<u>PO BOX 636</u>
	<u>FRUITA, CO 81521</u>		<u>GRAND JUNCTION, CO 81502</u>
			<u>LYN CORDOVA</u>
phone	<u>(303) 858-7386</u>	phone	<u>(303) 245-1342</u>
account no.	<u>N 6800</u>	account no.	<u>N1065</u>

Well(s) (attach additional page if needed):

Name: <u>E CISCO FED 1-3/MRSN</u>	API: <u>43-019-30557</u>	Entity: <u>8235</u>	Sec <u>1</u> Twp <u>20S</u> Rng <u>23E</u>	Lease Type: <u>U-17049</u>
Name: <u>FEDERAL 26-3/MNCS</u>	API: <u>43-019-30582</u>	Entity: <u>11110</u>	Sec <u>26</u> Twp <u>20S</u> Rng <u>21E</u>	Lease Type: <u>U-16759</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- 1 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 11-12-92)*
- 2 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Reg. 11-16-92) (Rec'd 11-20-92)*
- 3 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: #164140.
- 4 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 5 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(12-21-92)*
- 6 6. Cardex file has been updated for each well listed above. *(12-21-92)*
- 7 7. Well file labels have been updated for each well listed above. *(12-21-92)*
- 8 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(12-21-92)*
- 9 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- 1 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 2 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

**BOND VERIFICATION (Fee wells only)**

- 1 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2 2. A copy of this form has been placed in the new and former operators' bond files.
- 3 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

- 1 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2 2. Copies of documents have been sent to State Lands for changes involving State leases.

**MICROFILMING**

- 1 1. All attachments to this form have been microfilmed. Date: \_\_\_\_\_ 19\_\_\_\_.

**FILED**

- 1 1. Copies of all attachments to this form have been filed in each well file.
- 2 2. The original of this form and the original attachments have been filed in the Operator Change file.

**REMARKS**

921215 Btm/mcab Not approved as of yet.  
NRM-11641 / UTU60805 "Fed. 216-3" (C.A. Operator Petro-X Corp.)  
921221 Btm/mcab Approved 12-16-92.

3. LEASE DESIGNATION & SERIAL NO.

Utah - 17049

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.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

1. OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME

NA

2. NAME OF OPERATOR  
Linn Bros. Oil & Gas, Inc.

8. FARM OR LEASE NAME

Federal

3. ADDRESS OF OPERATOR  
P.O. Box 416 Fruita, CO 81521

9. WELL NO.

Fed 1-3

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

10. FIELD AND POOL, OR WILDCAT

Greater Cisco

At surface 1818 FNL 310 FEL  
At proposed prod. zone

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

Sec 1, T20S, R23E SLM

14. API NO. 43019 30557  
15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
1818 FNL 310 FEL  
4753' 62  
Bakshy Basin Zone of Morrison

12. COUNTY

Grand

13. STATE

Ut

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other) \_\_\_\_\_

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON   
CHANGE PLANS

Producing status

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other) \_\_\_\_\_

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START \_\_\_\_\_

DATE OF COMPLETION \_\_\_\_\_

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.)

\* Must be accompanied by a cement verification report.

We would like to change the status of this well from shut-in to producing gas well

MAR 2

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

SIGNED Gene A. Linn TITLE Sec

DATE 2/28/94

(This space for Federal or State office use)

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