



DIVISION OF CONSERVATION ARCHAEOLOGY

San Juan County
Museum Association

December 21, 1981

Mr. Al Heaton
Urado Construction
Box 217
Dove Creek, CO 81324

Dear Mr. Heaton:

Enclosed is our archaeological report for well locations Stateline Federal No. 1-34 and Cedar Point No. 1-25. Two archaeological sites, 42SA10619 (DCA-81-329) and 42SA10620 (DCA-81-330), and eight isolated loci were recorded during the survey. Avoidance of archaeological site 42SA10620 was planned during the survey by shifting the well pad location 255 feet north and 15 feet east. The other site, 42SA10619, lies peripheral to the access route right-of-way. Field documentation of the isolated loci represents maximal data recovery. Archaeological clearance is recommended for both well pad locations and the one access route. Final clearance determination will be made by the Bureau of Land Management upon review of this report.

Enclosed also please find an invoice for our services. - If you have any questions concerning this project, please call. We have enjoyed working with you. Thank you.

Sincerely,

Marilyn Swift
Supervisory Archaeologist

- cc: District Supervisor, U.S.G.S., Durango, CO
- District Manager, BLM, Moab, Utah
- Resource Area Manager, BLM, Monticello, Utah
- Mr. Richard Fike, BLM, Salt Lake City, Utah
- Dr. David Madsen, Salt Lake City, Utah
- Mr. Wilson Martin, Salt Lake City, Utah

Project No. 124-81-C

Federal Antiquities Permit
Number Pending
Verbal Authorization Control
No. 294-UT/81-215

An Archaeological Survey of
Two Well Pads and One Access Road
in San Juan County, Utah

for

Black Hawk Resources

Stateline Federal No. 1-34
Cedar Point No. 1-25

by

Marilyn Swift
Supervisory Archaeologist

Submitted by

Margaret A. Powers
Principal Investigator

DIVISION OF CONSERVATION ARCHAEOLOGY

Contributions to Anthropology Series, No. 441
San Juan County Archaeological Research Center and Library

December 21, 1981

ABSTRACT

On December 16, 1981, the Division of Conservation Archaeology of the San Juan County Museum Association completed an archaeological survey of two well pad locations and one access route for Black Hawk Resources. The area is located in San Juan County, Utah, and is under the jurisdiction of the Bureau of Land Management and Private Ownership (Federal Government - Mineral Lease).

Two archaeological sites, 42SA10619 and 42SA10620, and eight isolated loci were recorded. One site, 42SA10619, lies peripheral to the access route and will, therefore, be avoided. Avoidance of the other site, 42SA10620, was arranged during the survey by shifting the well pad 255 feet north and 20 feet east to avoid the site.

Because resource avoidance has been insured, archaeological clearance is recommended.

INTRODUCTION

On December 16, 1981, the Division of Conservation Archaeology (DCA) of the San Juan County Museum Association conducted an archaeological survey for Black Hawk Resources of Denver, Colorado. Mr. Al Heaton of Urado Construction requested the survey on December 11, 1981. Margaret A. Powers administered the project for DCA; Al Heaton administered the project for Black Hawk Resources.

In recognition of the limited, nonrenewable nature of archaeological remains, federal and state governments have enacted legislation that is designed to conserve and protect these resources. The principal federal legislation includes the Antiquities Act of 1906 (PL 52-209), the Historic Preservation Act of 1966 (PL 89-665), the National Environmental Policy Act of 1969 (PL 91-852), the 1971 Executive Order No. 11593, the Archaeological and Historical Conservation Act of 1974 (PL 93-291), and the Archaeological Resources Protection Act of 1979 (PL 96-95).

In addition, the states of Arizona, New Mexico, Utah, and Colorado have enacted laws to ensure compliance with federal legislation and to protect archaeological resources within their jurisdiction. Work undertaken in the course of this project is governed by the stipulations of Federal Antiquities Permit Number Pending; Verbal Authorization Control No. 294-UT/81-215 and is for purposes of compliance with these statutes.

Marilyn Swift, DCA archaeologist, surveyed the project area for cultural remains. Mr. Bruce Louthan, Bureau of Land Management (BLM) Moab District Archaeologist, was notified of the survey schedule. The following persons were present during the field inspection: Al Heaton & Robert Knuckles, Urado Construction, Dove Creek; Brian Wood, Monticello office BLM; Tom Hare, Moab District BLM; and Tony Hansen & Lori Hopper, Kerr Land Surveying, Farmington.

METHODS

The area was surveyed by walking parallel transects spaced 15 meters apart. The access route was surveyed by a single zig-zag transect. A 50 foot buffer zone around the well pad location and 5 feet on either side of the access road was surveyed. The archaeologist recorded all cultural remains. Those whose information potential exceeded what could be extracted during the survey phase were assigned site status. Other cultural remains were documented as isolated loci (IL). Pertinent environmental data were also recorded.

In addition to field inspection, the archaeologist conducted a search of the records at the Bureau of Land Management, Monticello office, to determine if any sites had been previously recorded in the project area. Site and project records required by the Utah Bureau of Land Management and State Antiquities Section were completed.

PROJECT AREAS

STATELINE FEDERAL NO. 1-34 (Figure 1)

Legal Description: 500' F/NL 1820' F/WL, Section 34, T36S, R26E,
S.L.M., San Juan County, Utah

UTM Coordinates: Zone 12, 4165175N, 671925E (center well pad)
Zone 12, 4165300N, 671925E (north end access road)

Map Source: U.S.G.S. 15' Monument Canyon, Utah-Colorado (1957)

Land Jurisdiction: Bureau of Land Management: Wilderness Study Area

Project area: 300' N-S x 275' E-W - well pad (1.9 acres)
400' N-S x 375' E-W - well pad and buffer zone (3.4 acres)
30' x 350' - access road (0.2 acres)
40' x 350' - access road and buffer zone (0.3 acres)

Description: The well pad is located on a south-facing gentle mesa slope. The access road originates from an existing dirt trail and traverses a slight ridge to connect with the well pad location. The construction area has been previously chained and the northern portion burned by a recent fire. Vegetation common to the well pad area includes: pinyon (Pinus edulis), juniper (Juniperus sp.), sage (Artemesia tridentata), snakeweed (Gutierrezia sarothrae), rabbitbrush (Chrysathamnus sp.), cheat grass (Bromus tectorum), and wheat grass (Agropyron sp.). Small rodent and rabbit are common fauna.

Cultural Resources: Six isolated loci and one archaeological site were recorded during the survey (Figure 1).

- IL #1 An historic trash dump includes an artifact scatter consisting of a 1931 New Mexico license plate, rusted 10 gallon drum lids (5), and a rusted piece of a 30 gallon drum
- IL #2 Black-on-White mineral painted sherd with checkerboard and Dogozshi style design
- IL #3 Black-on-White mineral painted sherd with solid triangular design and tick marks
- IL #4 Approximately five plain sherds with a thin exterior slip and small crushed rock and sherd temper
- IL #5 Historic dump which includes approximately 50 knife opened tin cans, approximately 8 ounce size
- IL #6 Tertiary chalcedony flake

IL's #1-#6 were located during the inspection of the original access route. During the field inspection, an alternate route was chosen. Flagging was removed from the first access route and placed along the alternate route right-of-way. IL's #2, #3, #4, and #6 are undoubtedly derived from site 42SA10619 (DCA-81-329) which lies approximately 150 feet north of the erosionally deposited IL's.

The site, 42SA10619 (DCA-81-329, Figure 2), lies 100 feet north of the access right-of-way and consists of a rubble mound (Feature 1), a cluster of sandstone slabs (Feature 2), apparently

exposed by pothunting, and a midden scatter (Feature 3). Artifacts within the midden scatter are predominated by Mancos Black-on-White sherds; plainware and corrugated indented constitute the remainder of the ceramic assemblage which includes two exhausted chert cores. Large tertiary, dark green, medium-grained, silicified siltstone flakes are also present (5).

Resource Significance: The site appears to be a 2-3 room, Pueblo II, mesa top habitation unit. Prudden (1918) describes a typical 6-room unit type generally found on mesa top locations. This site, 42SA10619, appears to represent a smaller version of a Pueblo II mesa top habitation unit and may represent a temporary, seasonal site. The site holds potential to demonstrate areal resource manipulation, social organization and settlement strategies.

Recommendations: The archaeological site, 42SA10169 (DCA-81-329), lies peripheral to the access route. No cultural manifestations lie on the well pad or present access route. All isolated loci recorded lie on an alternate route which will not be used to provide access to Stateline Federal No. 1-34. Because no cultural manifestations will be impacted by the planned construction, archaeological clearance is recommended.

CEDAR POINT NO. 1-25 (Figure 1)

Legal Description: 1245' F/SL 350' F/EL, Section 25, T35S, R25E, S.L.M., San Juan County, Utah

UTM Coordinates: Zone 12, 4174225N, 665825E (center well pad)

Map Source: U.S.G.S. 1'5 Monument Canyon, Utah-Colorado (1957)

Land Jurisdiction: Private Surface, Federal Minerals

Project Area: 300' N-S x 275' E-W - well pad (1.9 acres)
400' N-S x 375' E-W - well pad and buffer zone (3.4 acres)

Description: The well pad is located on a mesa top which is bordered by a sandstone bedrock canyon edge approximately 300-500 feet west of the location and on the east by plowed fields. The location has been chained and shows evidence of recent burning. Stands of pinyon and juniper border the location to the west. Vegetation common to the area includes sage, rabbitbrush, and cheat grass. Access to the location is provided by an existing dirt road.

The center of the original location for Cedar Point No. 1-25 lies on top of an archaeological site, 42SA10620 (DCA-81-330). To avoid impact to this resource by the well pad construction, the location was shifted 255 feet north and 15 feet east. Two isolated loci, one plainware sherd (IL #7) and a tertiary quartzite flake (IL #8), lie in the southeast quadrant of the new location and were derived from the site.

42SA10620 (DCA-81-330, Figure 3) consists of eight features, three apparently cists (Features #2, #3, and #7), Feature 6 may indicate a disarticulated cist, three other features (Features #1, #4, and #5) may indicate small above-ground masonry structures. Feature #8 is of undetermined function. Three clusters (#1-#3) of artifacts are found in association with Features #5, #7, and #8 respectively. A broken two-handed mano fragment was found in association with Feature #5.

Cluster #1 contains approximately ten sherds which show thin walled vessel construction, are tempered with large crushed rock, and whose surfaces are both unslipped and unsmoothed. Three tertiary flakes of chalcedony and gray quartzite are found in association; one flake exhibits a crushed platform.

Cluster #2 contains approximately 20 sherds and flakes. Sherds are of the Chapin Gray variety and include both bowls and vessels. Lithics are predominately large tertiary flakes of medium-grained silicified siltstone and quartzite.

Cluster #3 contains approximately 20 sherds which are unslipped and unsmoothed including one rim sherd with a big handle (presumably also Chapin Gray).

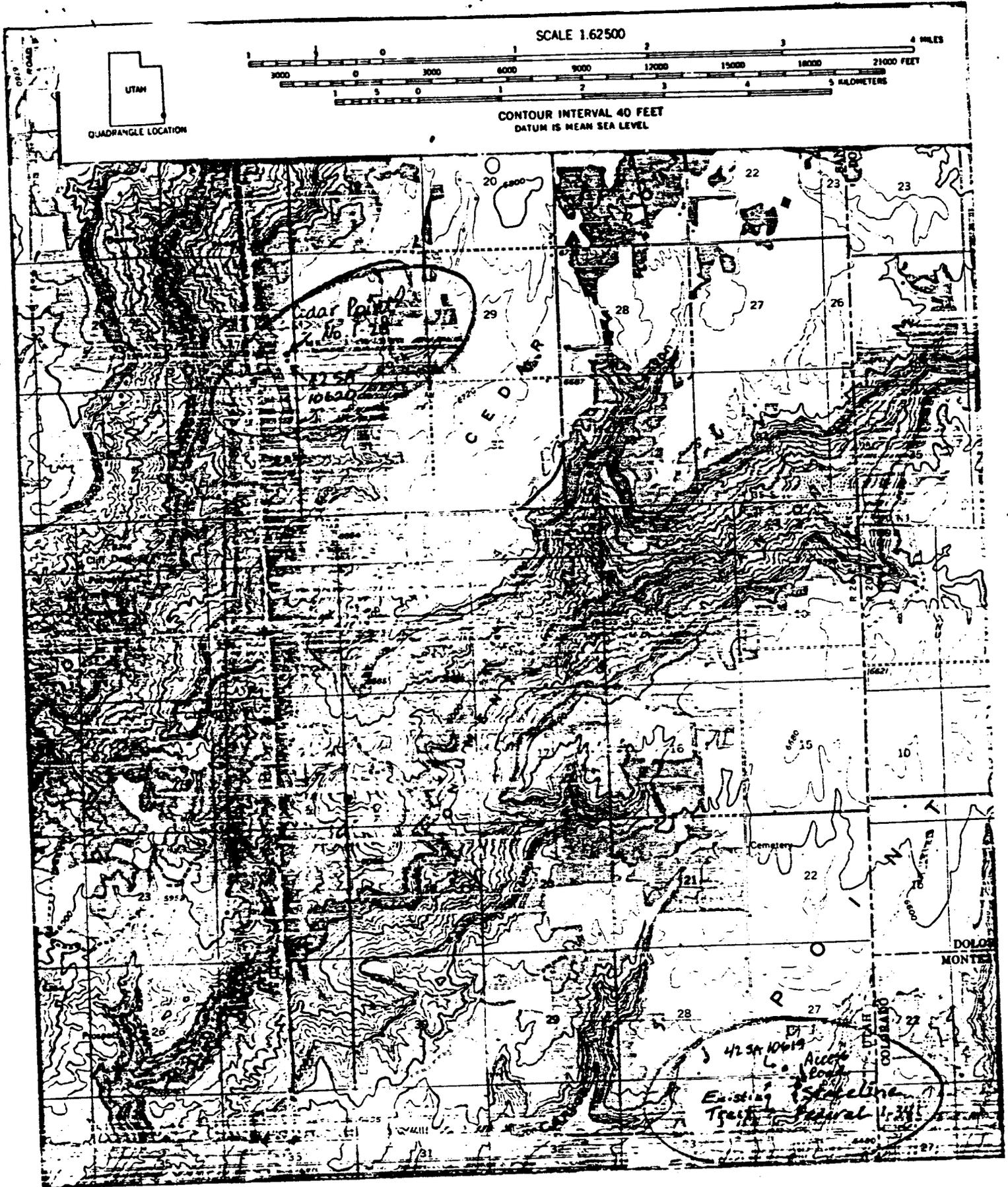
Chapin Gray ceramics date the site to a Basketmaker III period which is typically associated with subterranean house pits and associated storage cists (cf. Brew 1946). However, it is unlikely, due to the close location to the canyon edge (approximately 300-500 feet west), that the soil depth is very great suggesting that subterranean features, if present, were not dug into the soil for a great depth. Furthermore, Features #1, #4, #5, and #8 may indicate small, above-ground masonry structures indicative of the Pueblo I period (cf. Brew 1946). Unfortunately, no painted-ware ceramics were observed to substantiate a solid Pueblo I temporal placement. The occurrence of a two-hand mano is somewhat anachronistic although Cockayne (1976: Figure 16) notes the distribution of these type of manos during the Basketmaker III and Pueblo I periods within the Hovenweep area.

Resource Significance: The site holds potential to demonstrate areal settlement patterns for the transitional Basketmaker III - Pueblo I periods. Although chaining activities have apparently disarticulated Features #1, #5, #6, and #8, possible intact stratigraphic deposits may yield information concerning site and feature function, temporal designation, and architectural plan.

Recommendations: Site avoidance was planned during the survey phase by moving the well location away from the site. Archaeological clearance is recommended for Cedar Point Federal No. 1-25.

REFERENCES CITED

- Brew, John Otis
1946 Archaeology of Alkali Ridge, Southeastern Utah. Papers of
the Peabody Museum of American Archaeology and Ethnology,
Harvard University Vol. XXI: Cambridge.
- Cockayne, Caroline B.
1976 Ground Stone Tools. Hovenweep 1975. San Jose State
University, Anthropology Department, Archaeological Report
No. 2, Joseph Winter, Editor.
- Prudden, Mitchell
1918 A further Study of Prehistoric Small House Ruins in the
San Juan Watershed. Memoirs of the American Anthropological
Association, Vol. V No. 1.



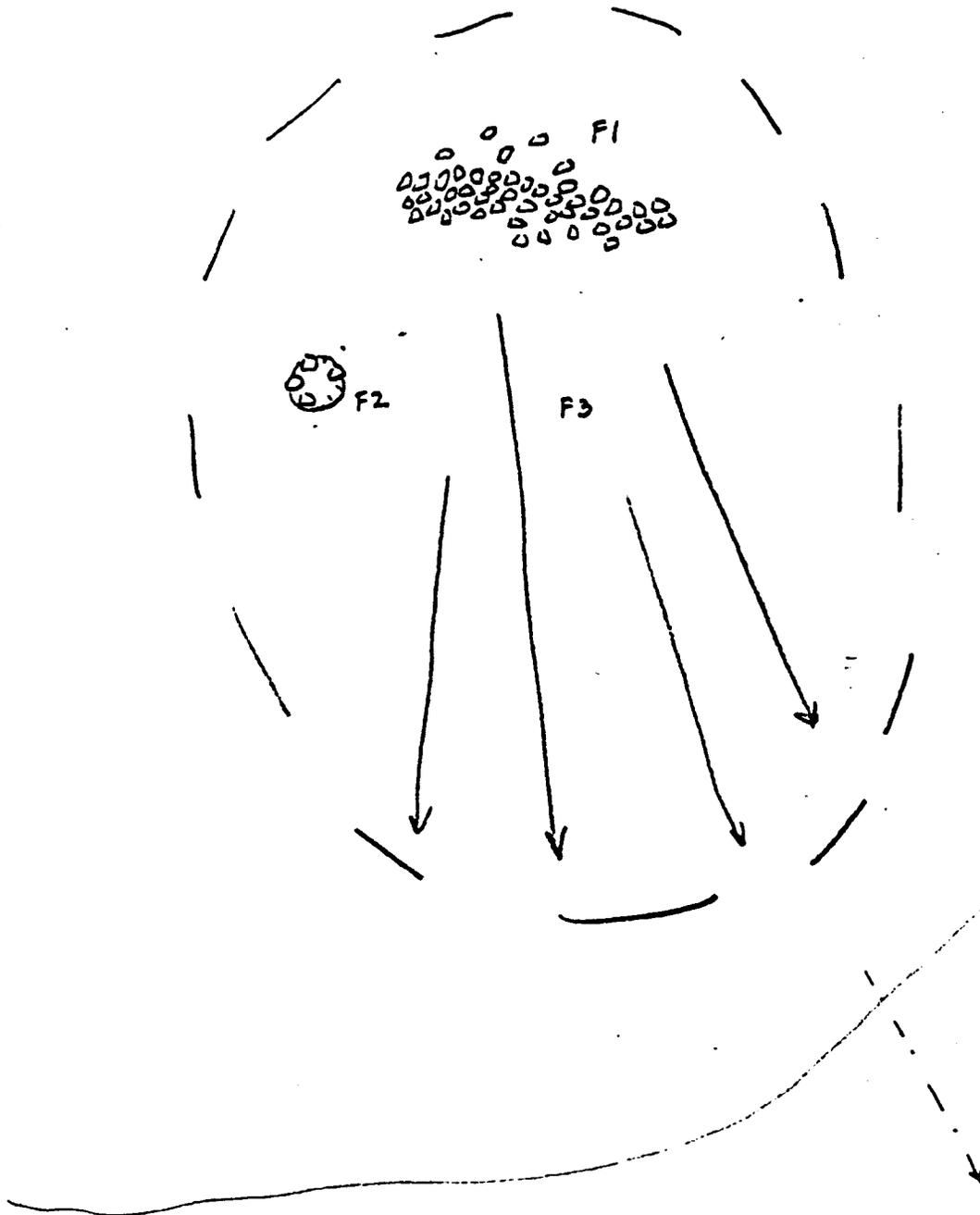
MONUMENT CANYON, UTAH-COLO.
 N3730-W10900/15

1957

AMS 4159 II SERIES V797

42 SA 10619

DCA 81-329



↑
TN

Scale
|-----|
4 m

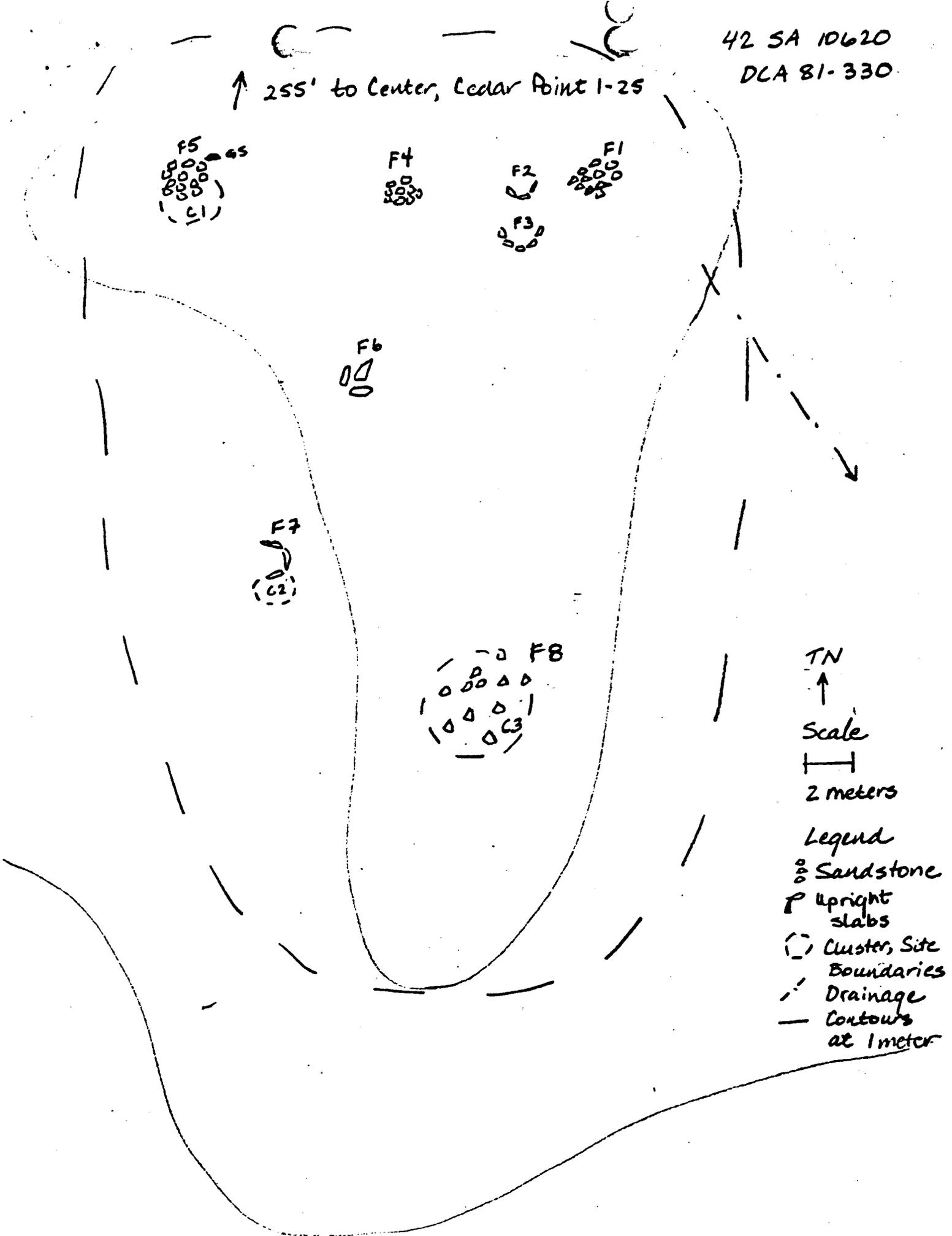
Legend

- Sandstone
- ⊙ Depression
- ↓ Direction of Artifact Scatter
- x- Fence Line
- - Existing dirt trail
- () Site Boundary
- - - Small Drainage
- Contours at .5 meters

Figure 2

42 SA 10620
DLA 81-330

↑ 255' to Center, Cedar Point 1-25



TN
↑
Scale
| |
2 meters

Legend
○ Sandstone
□ Upright slabs
--- Cluster, Site Boundaries
- - - Drainage
— Contours at 1 meter

Figure 3

Rule 30 CFR 221.20 requires well shall not be drilled closer than 200 feet from the lease boundary, or 200 feet from any legal subdivision, without adequate reasons or consent.

RECEIVED
FEB 16 1992
SALT LAKE CITY, UTAH

District Oil and Gas Supervisor
U. S. Geological Survey
Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Stipulation

Dear Sir:

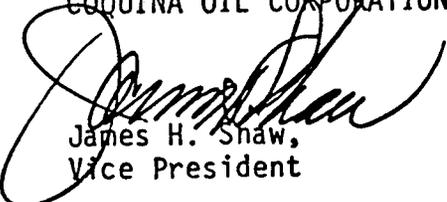
Coquina Oil Corporation is the owner of Federal Oil and Gas lease U-41512, and proposes to drill a well on the leased premises to test for oil and gas at a location in the SE ¼ SE ¼, Section 25, Township 35S, Range 25E, _____ Meridian, San Juan County, State of Utah, 350' from East line, and 1245' from South line of Section 25.

Section 221.20 of the Federal Oil and Gas Regulations requires that no well be drilled less than 200 feet from the boundary of any legal subdivision without the written consent of the Supervisor, United States Geological Survey. The proposed location is approximately 75' from the North boundary line of the SE ¼ SE ¼ of Section 25, but is considered to be necessary because of an archeological site at the original location which was 990' FSL. Also, close proximity to steep cliffs on the west side would not allow any movement to the west to avoid impact on the archeological site.

Therefore, Coquina Oil Corporation Lessee, requests the consent of the Supervisor to the drilling of the proposed well at the above-described location. In consideration of such consent, Coquina Oil Corp., Lessee, hereby expressly covenants and agrees that he will make no separate assignments of the SE ¼ SE ¼, and the NE ¼ SE ¼, Section 25, Township 35S, Range 25E, _____ Meridian, and that he will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

Sincerely,

COQUINA OIL CORPORATION


James H. Shaw,
Vice President

skk

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
 Black Hawk Resources Corporation

3. ADDRESS OF OPERATOR
 999 18th St. STE 1101 One Denver Place Tower II Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 350 FEL & 1245 FSL
 At proposed prod. zone
 Same *SESE*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 15 miles southwest of Dove Creek, CO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 350

16. NO. OF ACRES IN LEASE 980

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

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

19. PROPOSED DEPTH 6400

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR 6679

22. APPROX. DATE WORK WILL START*
 March 1, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	2000	800 sx
7 7/8	5 1/2	15.5	6400	400 sx

A complete NTL-6 including the 10 Point Drilling Prognosis and the 13 Point Surface Use Plan is made part of this application.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
 DATE: 5/10/82
 BY: [Signature]

Received 1-22-82

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 Roger A. Bureau TITLE Operations Manager DATE 1-14-82
 Roger Bureau
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

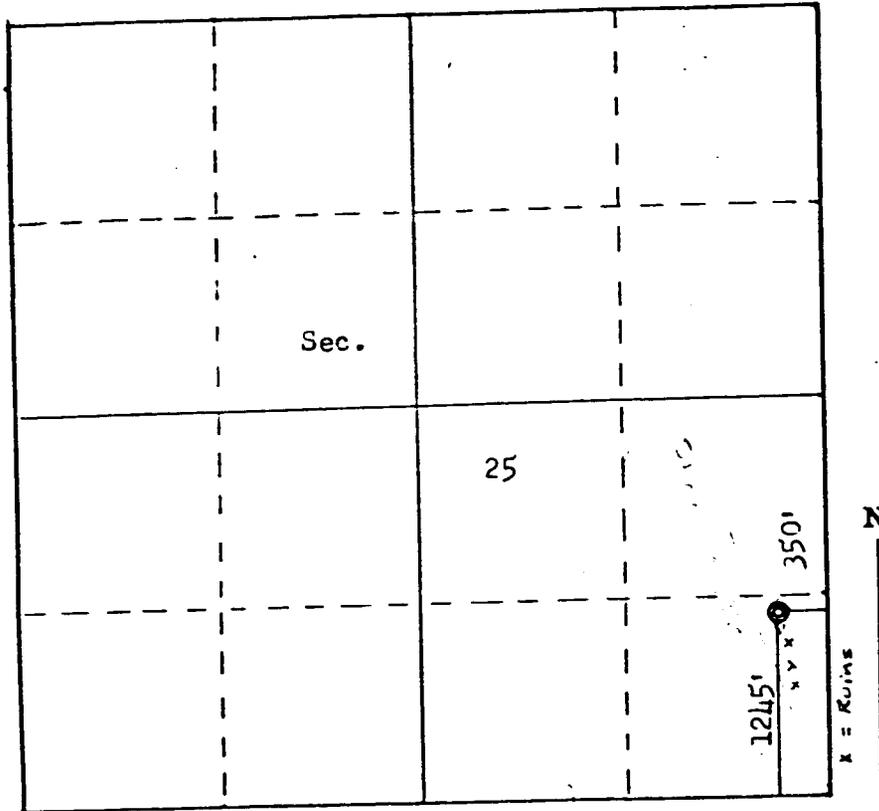
COMPANY BHRC, INCORPORATED

LEASE CEDER-POINT-FEDERAL WELL NO. 1-25

SEC. 25, T. 35S, R. 25E
San Juan County, Utah

LOCATION 1245' FSL 350' FEL

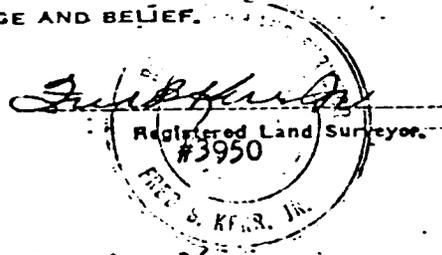
ELEVATION 6679 ungraded ground



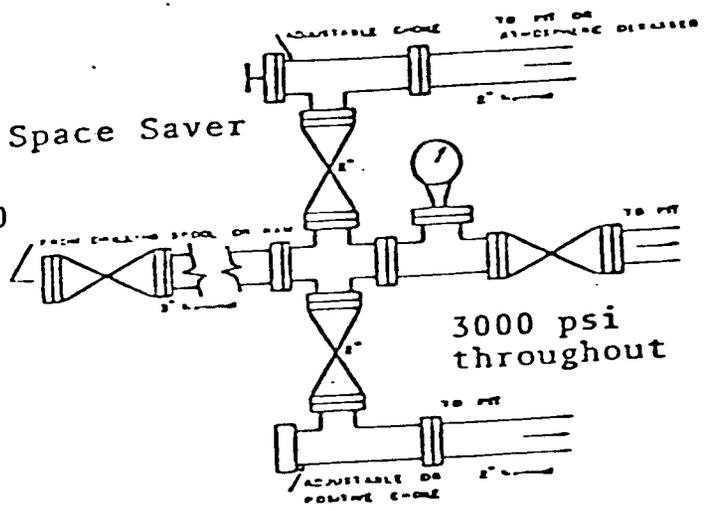
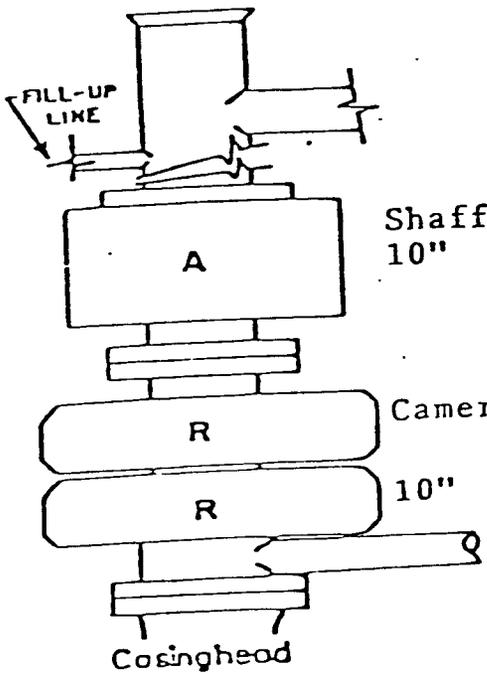
SCALE—4 INCHES EQUALS 1 MILE

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

SEAL:

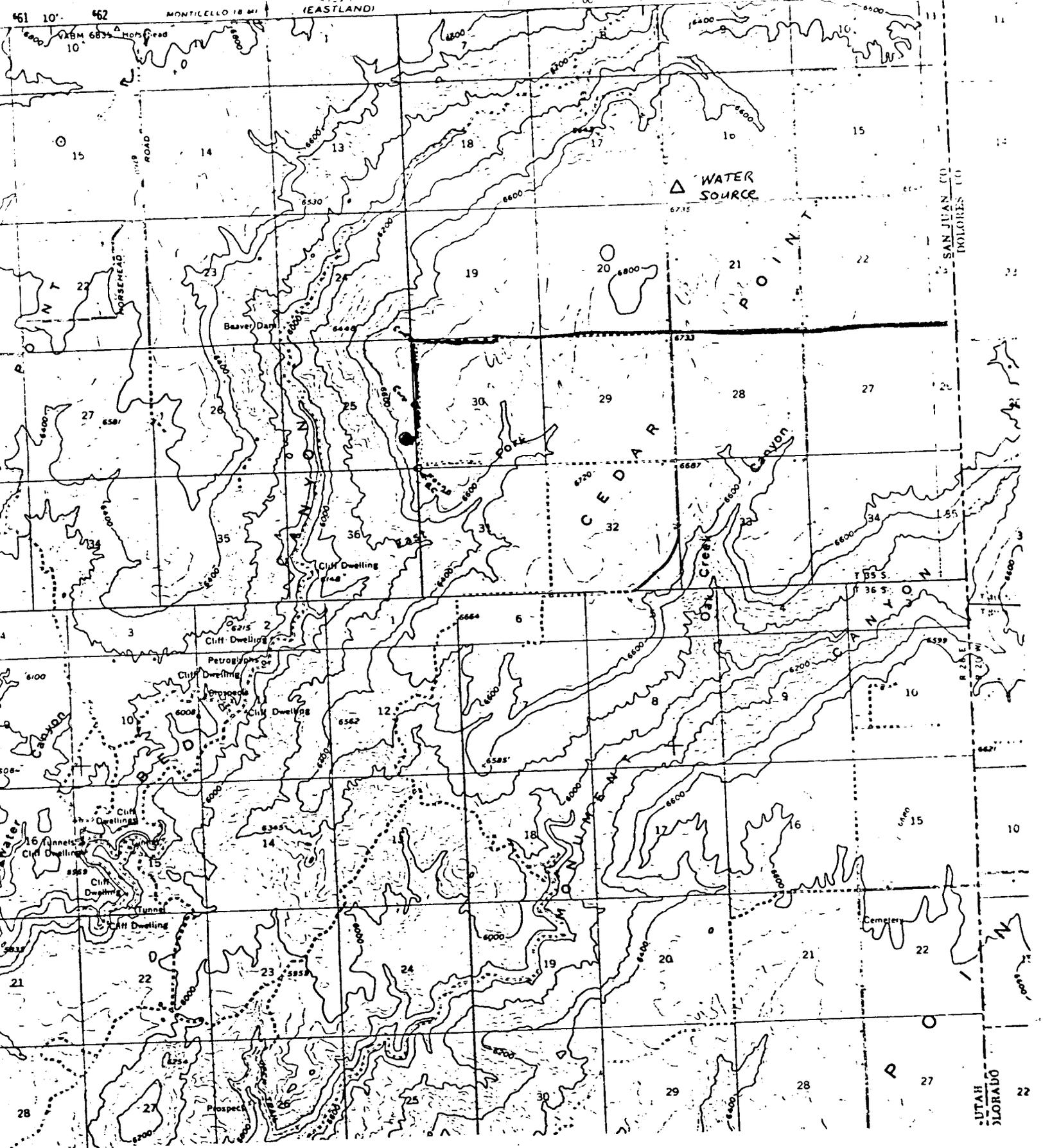


SURVEYED December 16, 1981



Black Hawk Resources Corporation
 Cedar Point Federal #1-25
 NE SE Section 25 T35N-R25E
 San Juan County Utah

Figure No. 1
 BOP Diagram



Black Hawk Resources Corporation
 Cedar Point Federal #1-25
 NE SE Section 25 T35N-R25E
 San Juan County, Utah

Figure No. 3
 County Map-Roads to Location

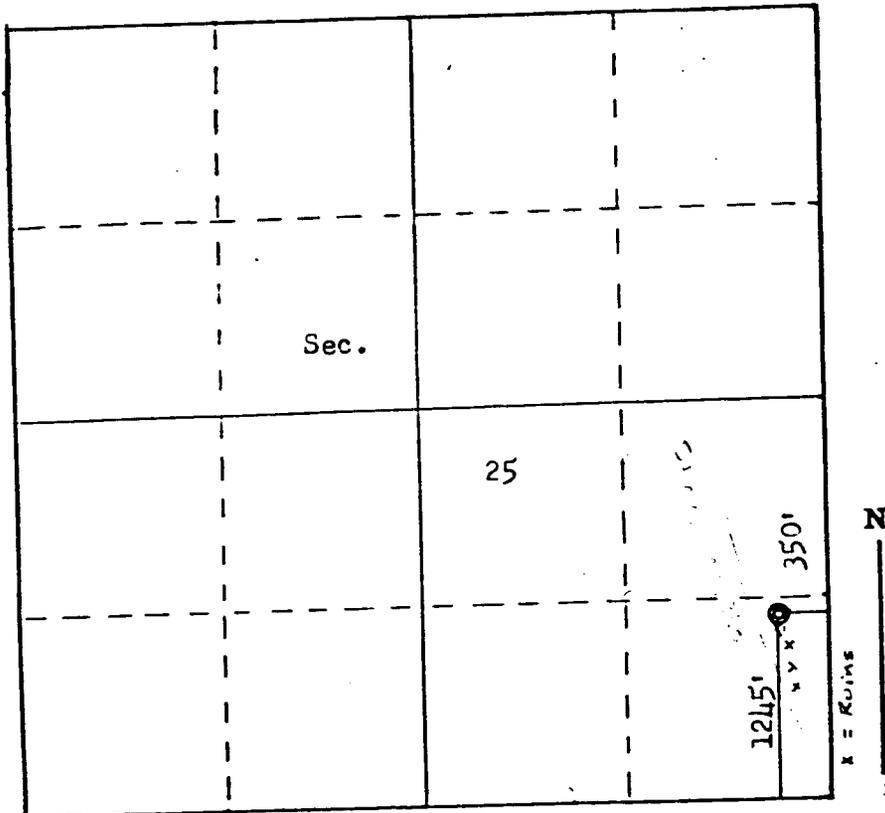
COMPANY BHRC, INCORPORATED

LEASE CEDER-POINT-FEDERAL WELL NO. 1-25

SEC. 25, T. 35S, R. 25E
San Juan County, Utah

LOCATION 1245' FSL 350' FEL

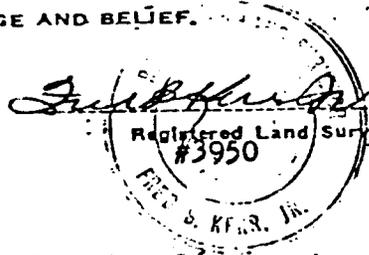
ELEVATION 6679 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

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SEAL:



SURVEYED December 16, 1981

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
 Black Hawk Resources Corporation

3. ADDRESS OF OPERATOR
 999 18th St. STE 1101 One Denver Place Tower II Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 350 FEL & 1245 FSL
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 15 miles southwest of Dove Creek, CO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 350

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19. PROPOSED DEPTH 6400

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR 6679

22. APPROX. DATE WORK WILL START*
 March 1, 1982

5. LEASE DESIGNATION AND SERIAL NO.
 U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Cedar Point Federal

9. WELL NO.
 #1-25

10. FIELD AND POOL, OR WILDCAT
 W/C

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 25 T35S-R25E

12. COUNTY OR PARISH 13. STATE
 San Juan UT

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	600	800 sx
7 7/8	5 1/2	15.5	6400	400 sx

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24. SIGNED Roger J. Bureau TITLE Operations Manager DATE 1-14-82
 Roger Bureau
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 FOR E. W. GUYNN
 APPROVED BY WT Martin TITLE DISTRICT OIL & GAS SUPERVISOR DATE FEB 22 1982
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY
*See Instructions On Reverse Side

NOTICE OF APPROVAL

FLARING OR VENTING OF GAS IS SUBJECT TO NTL-4-A DATED 1/1/80

State Oil Gas & Mining

Identification No. 162-82

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator BHRC, Inc.
Blackhawk Resources, Incorporated
Project Type single zone explorational oil well
Project Location 124^SFSU/350^FFEL, SEC 25, T. 35 S., R. 25 E, San Juan
Well No. 1 Cedar Point Federal Lease No. U-41512 County, Utah
Date Project Submitted _____

FIELD INSPECTION

Date December 16, 1981

Field Inspection
Participants

Robert Huotley - Blackhawk Resources, Inc.
Al Heaton - Uvado Construction Co.
Tom Hare / Brian Wood - Bureau of Land Management
Tony Hansen / Lori Hopper - Fred Keur Surveying
Marilyn Swift - archaeologist, Salmon Ruins
John Fink - landowner
Donald Englishman - U.S. Geological Survey

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

December 16, 1981
Date Prepared

Donald Englishman
Environmental Scientist

I concur

FEB 09 1982
Date

W. J. Mactou
District Supervisor
FOR E. W. GYNN
DISTRICT OIL & GAS SUPERVISOR

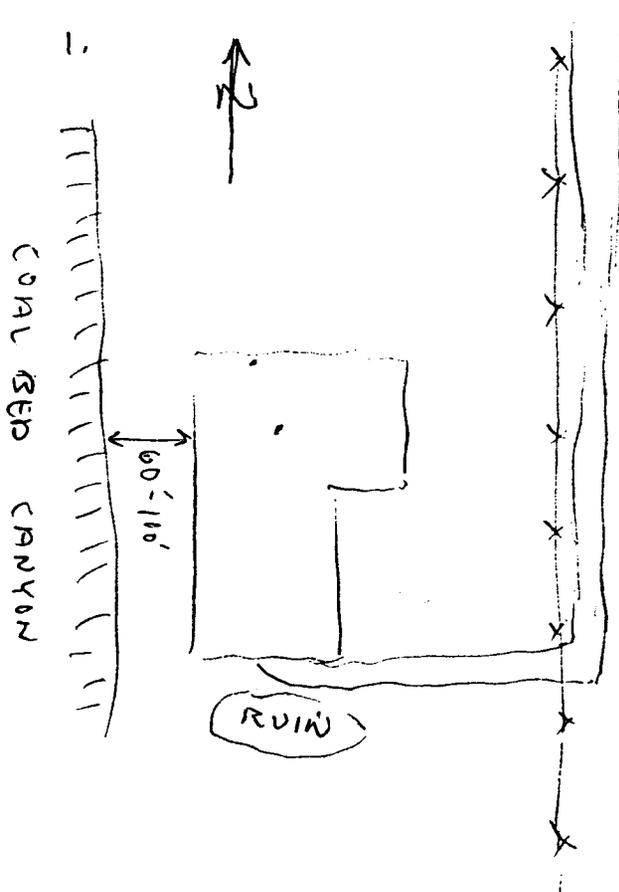
CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety						✓ 4	✓		
2. Unique charac- teristics							✓		
3. Environmentally controversial							✓		
4. Uncertain and unknown risks							✓		
5. Establishes precedents							✓		
6. Cumulatively significant							✓		
7. National Register historic places	✓ 1								
8. Endangered/ threatened species	✓ 1								
9. Violate Federal, State, local, tribal law						✓ 4	✓		

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application for Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement

Remarks:



2. Location is unorthodox due to Coral Bed Canyon on West side of geologic target and Lease border on East side.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 DRILL DEEPEN PLUG BACK

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16. NO. OF ACRES IN LEASE 980

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

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

19. PROPOSED DEPTH 6400

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR 6679

22. APPROX. DATE WORK WILL START*
 March 1, 1982

5. LEASE DESIGNATION AND SERIAL NO.
 U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Cedar Point Federal

9. WELL NO.
 #1-25

10. FIELD AND POOL, OR WILDCAT
 W/C

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
 Sec. 25 T35S-R25E

12. COUNTY OR PARISH 13. STATE
 San Juan UT

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	600	800 SX
7 7/8	5 1/2	15.5	6400	400 SX

A complete NTL-6 including the 10 Point Drilling Prognosis and the 13 Point Surface Use Plan is made part of this application.

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 Roger J. Bureau TITLE Operations Manager DATE 1-14-82
Roger Bureau

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY E. W. Gwynn FOR E. W. GUYNN DATE FEB 22 1982
 TITLE DISTRICT OIL & GAS SUPERVISOR

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

Operator

Note: Items # 12 in the title and approval

DRILLING PROGNOSIS
 BLACK HAWK RESOURCES CORPORATION
 CEDAR POINT FEDERAL #1-25
 NE SE SECTION 25 T35N-R25E
 SAN JUAN COUNTY, UTAH

1. SURFACE FORMATION: Tertiary Intrusives.

2. GEOLOGIC MARKERS. ESTIMATED:

Entrada	1,115	Lower Ismay	6,146
Navajo	1,313	Desert Creek	6,322
Chinle	2,014	T.D.	6,400
Shinarump	2,728		
Upper Ismay	5,894		

3. WATER, OIL, & GAS ZONES: Ismay, Desert Creek.

If any zones produce water, they will be adequately protected and reported.

4. PROPOSED CASING PROGRAM (All New)

<u>Depth</u>	<u>Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Joint</u>	<u>Thread</u>
35	16	Culvert			
600	8 5/8	K-55	24	ST&C	8rd
6400	5 1/2	K-55	15.5	LT&C	8rd

5. PRESSURE CONTROL EQUIPMENT: See Figure 1.

10" x 3000# Double Ram hydraulic preventer.
 10" x 3000# Bay-type hydraulic preventer, 80 gallon accumulator with remote control test Ram preventers to 1000 psi for 15 minutes upon installation. Operate pipe rams daily, operate blind rams each trip.

6. DRILLING FLUIDS: 0-6400 Water based, low solids, Non-Dispersed.
 Viscosity: 45, weight: 8.8-9.2.
 Water loss: 15-20 Mud materials will be inventoried on location.

7. AUXILLIARY EQUIPMENT

- 1.) A Kelly cock will be kept in the string at all times.
- 2.) Mud levels will be monitored visually.
- 3.) A stabbing valve will be kept on the rig floor to be installed if kelly is not in string.

4.) No float will be used.

8. EVALUATION PROGRAM

- 1.) Logs
DIL - 6400 - Surface.
CNL-FDC-GR-6400-4000 feet.

Note: Logging program changes at discession of wellsite geologist.

2.) Drill Stem Tests: If warranted by shows or logs.

3.) Cores: None

4.) Stimulation: Cannot be furnished at this time. Prior to any treatment, the USGS will be notified by Sundry Notice for approval. The drilling pad requested is of sufficient size for all completion operations.

9. ABNORMAL CONDITIONS

It is not anticipated that abnormal temperature, pressures, or toxic gasses will be encountered.

In the unlikely event H₂S is encountered, a complete H₂S safety program will be implemented as specified by the API Bulletin RP-49 guidelines.

10. DRILLING ACTIVITY

Drilling will commence on or after 3-1-82. It is anticipated that 24 days will be required to complete drilling operations.

BLACK HAWK RESOURCES CORPORATION
CEDAR POINT FEDERAL 1-25
NE SE SE SECTION 25 T35S-R25E
SAN JUAN COUNTY, UTAH

13 POINT SURFACE USE PLAN

1. EXISTING ROADS: Figure No. 2 and 3.

Improved surface: Blue

Unimproved surface: Yellow

New Construction: Red

A. Survey Plat: Attached (2-200 foot reference stakes set)

B. Directions: From Dove Creek Colorado, 5 miles west, 1 south,
1 west, 2 south, 5 west, and 1 south to location.

C. Access Road: See figure 2.

D. Existing Roads Within 3 Miles: See figure 2.

E. Existing Roads Within 1 Mile: See figure 3.

F. Improvements or Maintenance: None during drilling operations.

2. PLANNED NEW ACCESS ROADS: See Figure 2, new.

Road shown in Red. 1 3/4 mile of new road.

1.) Width: 18

2.) Maximum Grade: 2%

3.) Turnouts: None

4.) Drainage Design: To conform with natural drainage

5a) Culverts: One

b) Major Cuts/Fills: None

6.) Surfacing Material: None during drilling

7.) Cattleguards: None

8.) New road is centerline flagged.

3. LOCATION OF EXISTING WELLS: See figure No. 5.

Wells within tow mile radius are as follows:

1.) Water Wells: None

2.) Abandoned Wells: One

3.) Temporarily Abandoned Wells: None

4.) Disposal Wells: None

5.) Drilling Wells: None

6.) Producing Wells: None

7.) Shut-in Wells: None

8.) Injection Wells: None

9.) Observation Wells: None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. Existing facilities within one mile radius owned or controlled by operator:

1. Tank batteries: None

2. Producing facilities: None

3. Oil gathering lines: None

4. Gas gathering lines:

5. Injection lines: None

6. Disposal lines: None

B. New facilities contemplated: See figure No. 6.

1. Tank battery: Two 400 BBL steel tanks, one heater treater, and one one saltwater tank.

2. Dimensions: 175 x 300

3. Construction methods and materials: Construction will be by dozers and graders as required. Gravel or scoria materials will be used as required. No Federal or Indian lands will be disturbed.
4. Protective Methods: Pumping unit and any pits will be fenced.
- C. Rehabilitation of disturbed areas no longer needed for operations will be accomplished by grading, leveling and seeding recommended by BLM.
5. LOCATION AND TYPE OF WATER SUPPLY:
 - A. Water will be obtained from a private pond on the M. C. Turner Ranch.
 - B. Water will be trucked 4 1/2 miles over existing roads.
 - C. No water well will be required.
6. SOURCE OF CONSTRUCTION MATERIALS:
 - A. Any necessary outside gravel or scoria will be purchased from local suppliers.
 - B. Federal or Indian lands will not be disturbed.
 - C. The surface is owned by M. C. Turner.
 - D. Access roads to construction materials: No construction materials will be required during drilling operations.
7. METHODS FOR HANDLING WASTE:
 1. Cuttings will be retained in the reserve pit. The pit will be fenced on three sides during drilling, and the fourth side fenced when rig moves off.
 2. Drilling fluids will be contained in the reserve pit and steel mud tanks until drilling is complete. Pits will be unlined.
 3. Oil will be collected in tanks and trucked. Little or no water production is anticipated at this location.
 4. A portable chemical toilet will be provided for sewage.
 5. A burn pit enclosed with small-mesh wire will be provided for trash and garbage disposal.

6. The location and pits will be leveled and reseeded as soon as is feasible after the well is completed. The area will be cleaned of all trash and materials.

8. ANCILLARY FACILITIES:

No camps or airstrips will be constructed.

9. WELLSITE LAYOUT: See figure No. 7 and 8.

10. SURFACE RESTORATION PLANS:

- A. In the event of a dryhole, pits will be allowed to dry and will then be backfilled. Waste pits will be backfilled. Location will be restored to as near the original contour as feasible, top soil redistributed, then reseeded. Spoil materials will be segregated as to combustibility and burned or buried.

- B. Revegetation of location and access road will be achieved by seeding with a mixture as required by the BLM.

- C. Pits will be fenced on the fourth side following rig release and remain fenced until backfilled.

- D. Overhead flagging will be installed if oil is on or in the pits.

- E. Rehabilitation operations will begin as soon as practical after the rig is released and should be completed by fall 1982.

11. OTHER INFORMATION

1. General Topography: Rolling hills near canyon lands.

Surface Soil: Sand & Clay.

Existing Vegetation: Pasture grass.

Local Wildlife Consists Of: Rabbits, birds, and small rodents.

2. The surface is used for: Livestock grazing.

Surface Owner: M. C. Turner.

13 Point Surface Use Plan
Black Hawk Resources Corp.
Cedar Point Federal #1-25
San Juan County, Utah
Page five

3. General drainage is: West into canyon lands.

Nearest occupied site (within 5 miles) 2 miles east.

Archeological Sites: South of Location.

Historical Sites: None.

12. OPERATORS REPRESENTATIVES

*Doug Hammond
1640 Grant STE 100
Denver, CO 80203
303-830-2202

Roger Burau
999 18th ST
One Denver Place Tower II
STE 1101
Denver, CO 80202
303-751-0160

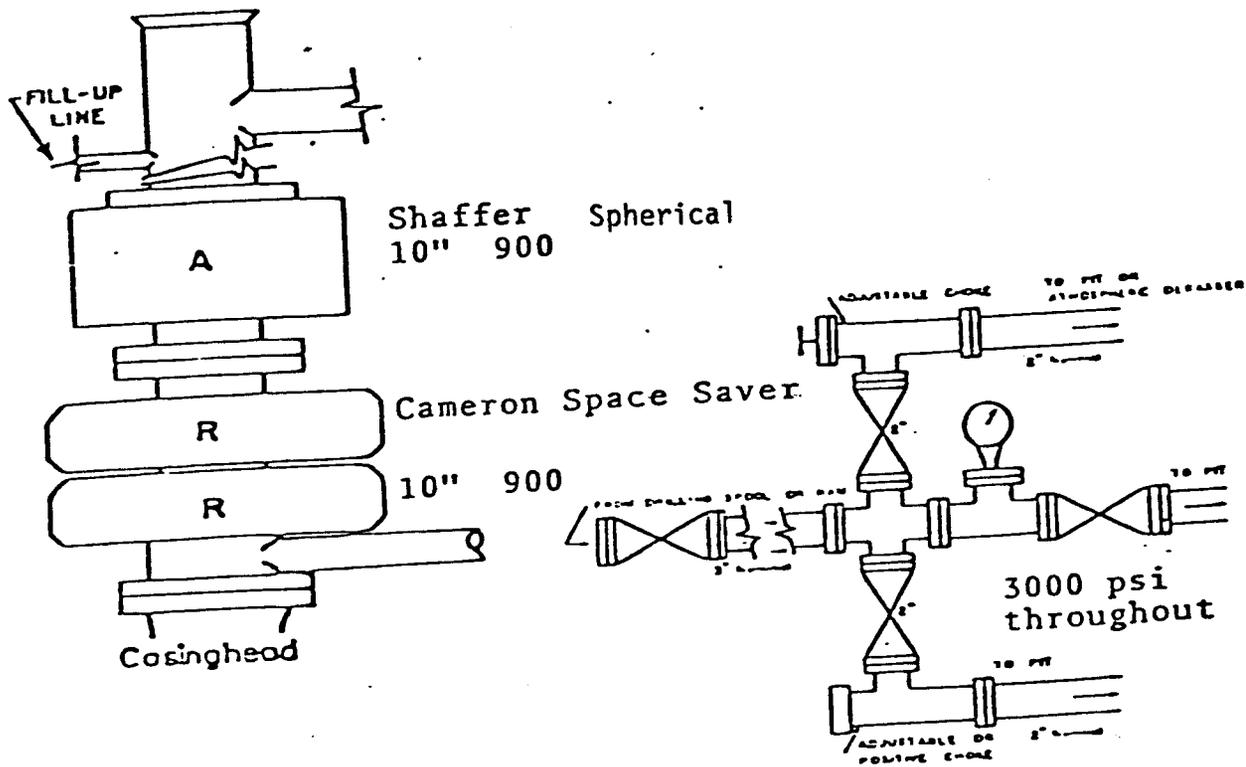
*Contact for predrill inspection and additional data if required.

13. CERTIFICATION

I hereby certify that I, or person under by direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed herein will be performed by Black Hawk Resources Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

01/15/82
DATE

Roger J. Burau
Roger Burau, Operations Manager

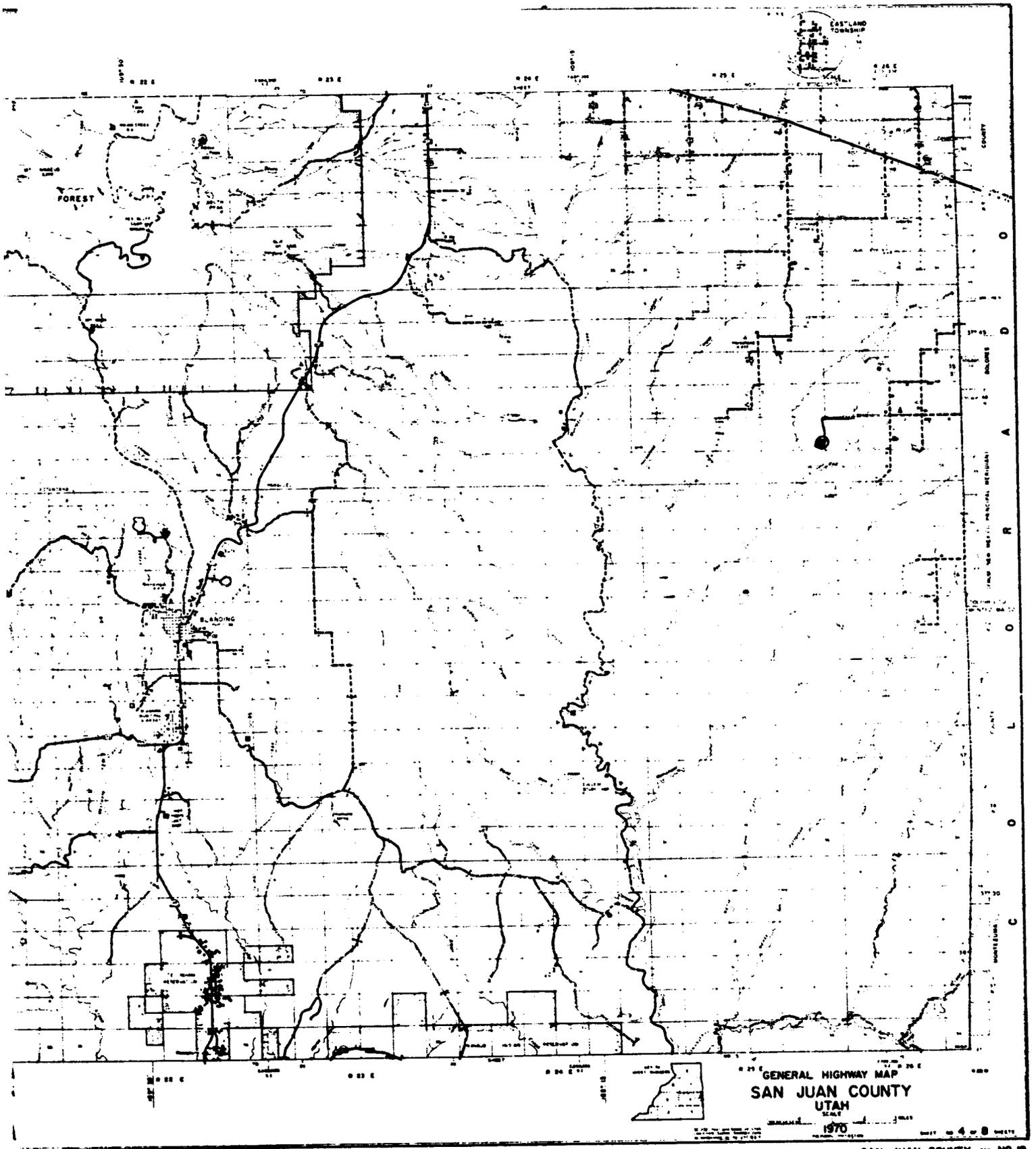


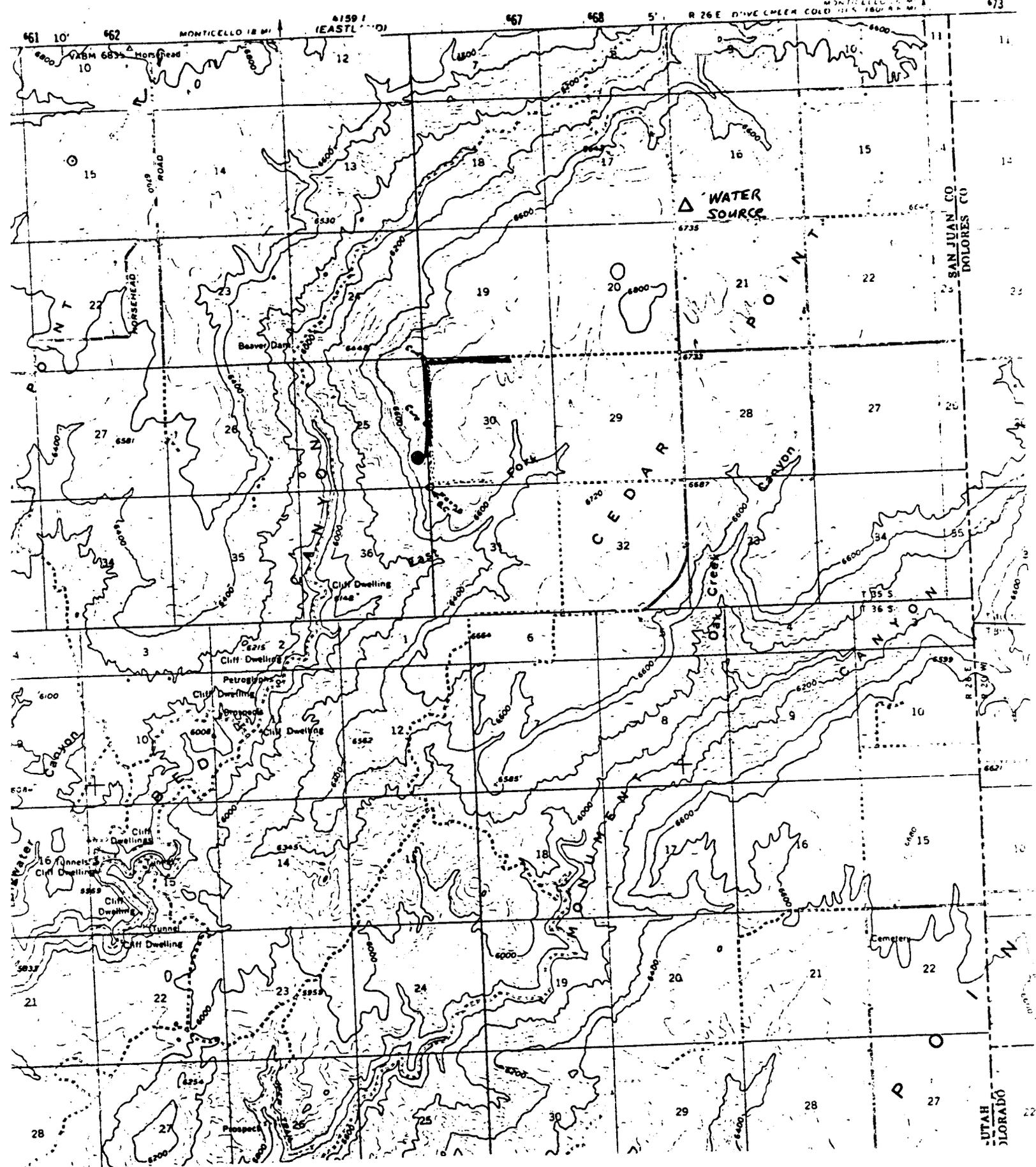
Black Hawk Resources Corporation
 Cedar Point Federal #1-25
 NE SE Section 25 T35N-R25E
 San Juan County Utah

Figure No. 1
 BOP Diagram

Black Hawk Resources Corporation
Cedar Point Federal #1-25
NE SE Section 25 T35N-R25E
San Juan County, Utah

Figure No. 2
Vicinity Map
New Construction: Red
Unimproved Surface: Yellow
Improved Surface: Blue



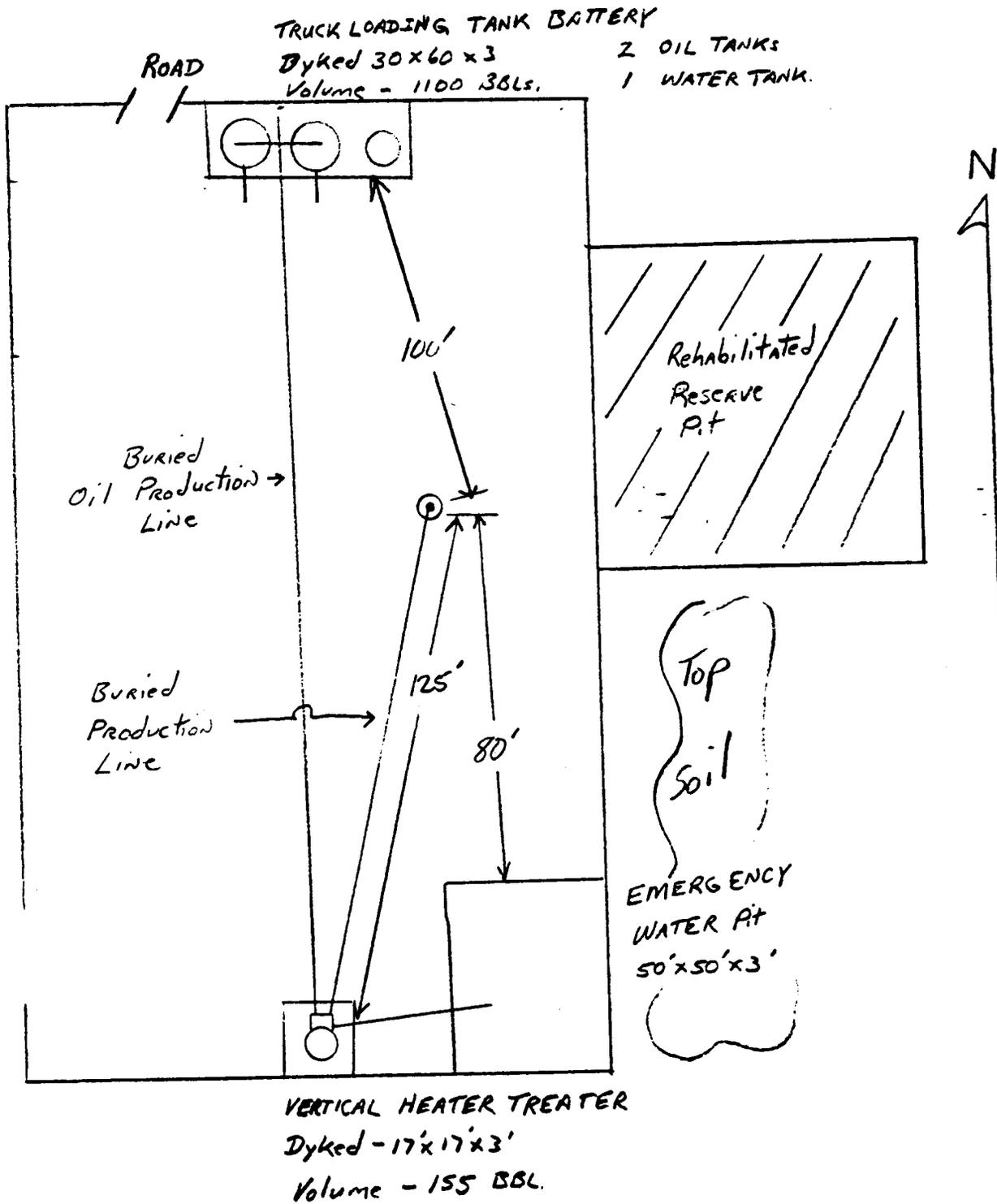


Black Hawk Resources Corporation
 Cedar Point Federal #1-25
 NE SE Section 25 T35N-R25E
 San Juan County, Utah

Figure No. 3
 County Map-Roads to Location

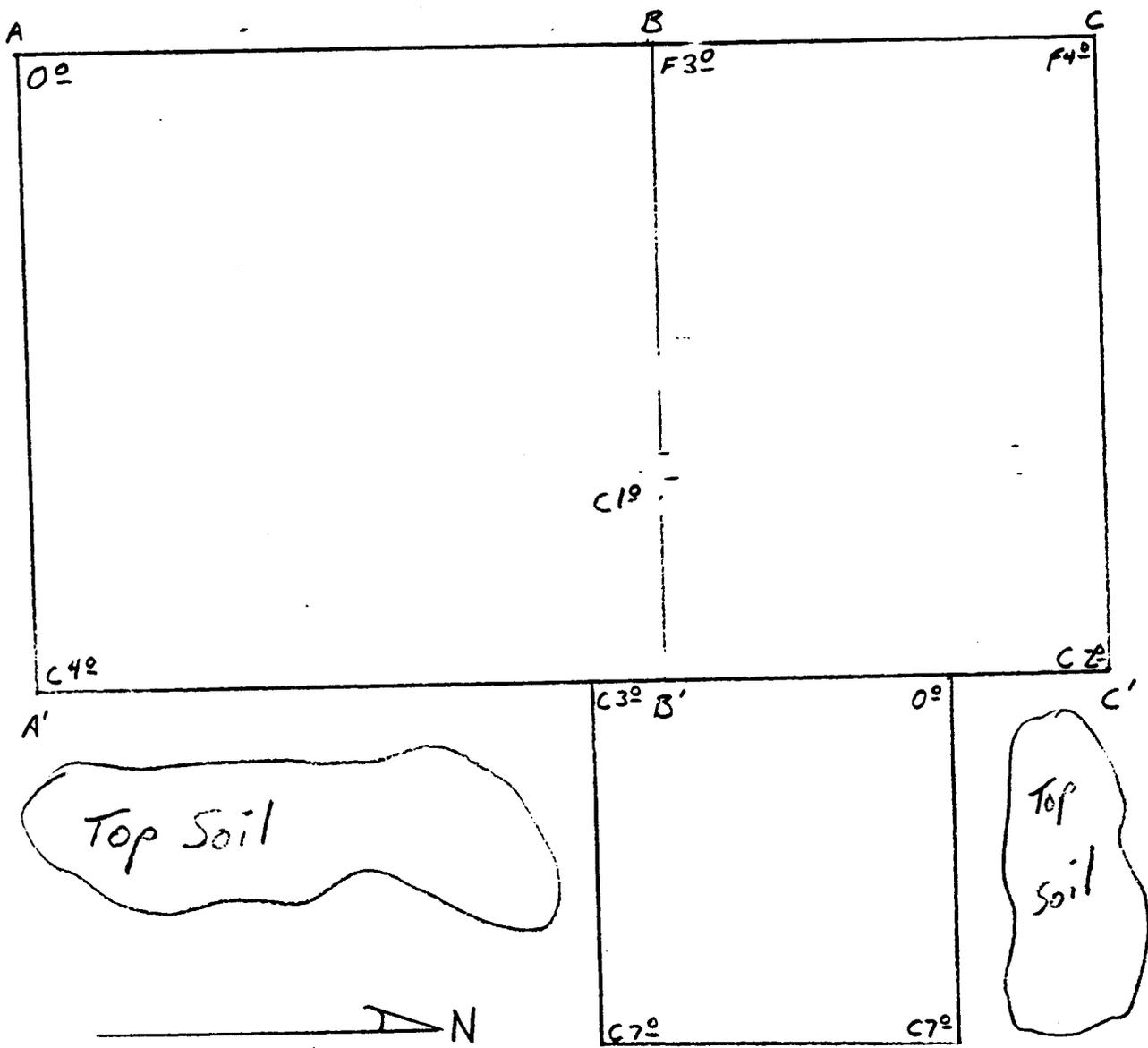
Black Hawk Resources Corporation
Cedar Point Federal #1-2
NE SE Section 25 T35N-R25E
San Juan County, Utah

Figure No. 6
New Production Facilities Diagram



Black Hawk Resources Corporation
Cedar Point Federal #1-25
NE SE Section 25 T35N-R25E
San Juan County, Utah

Figure No. 7
Cut & Fill Diagram



Black Hawk Resources Corporation
Cedar Point Federal #1-25
NE SE Section 25 T35N-R25E
San Juan County, Utah

Figure No. 7a
Cut & Fill Diagram

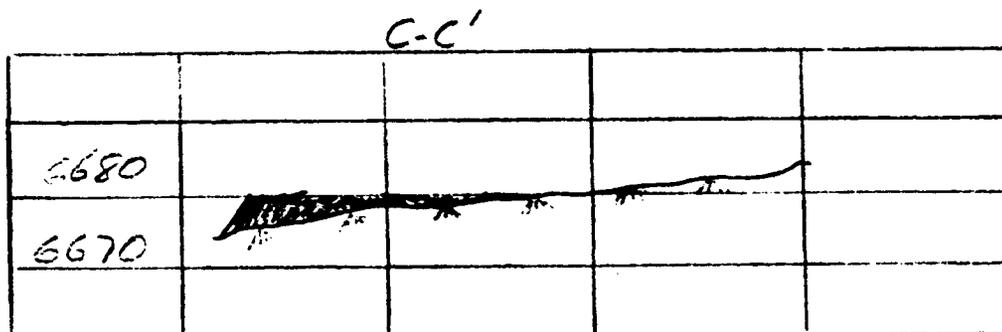
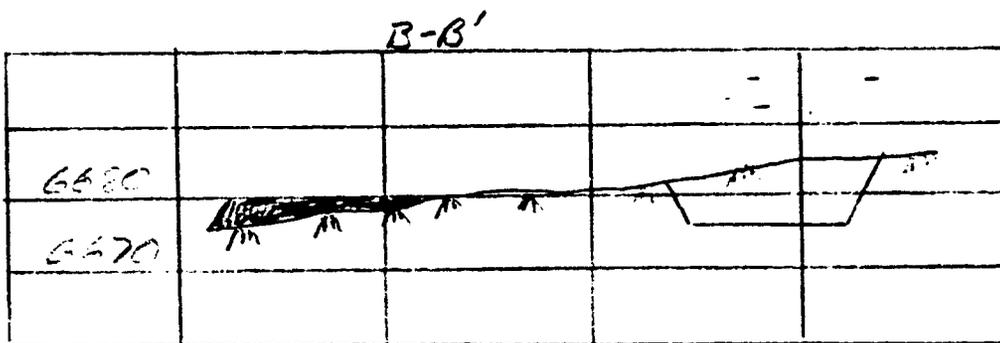
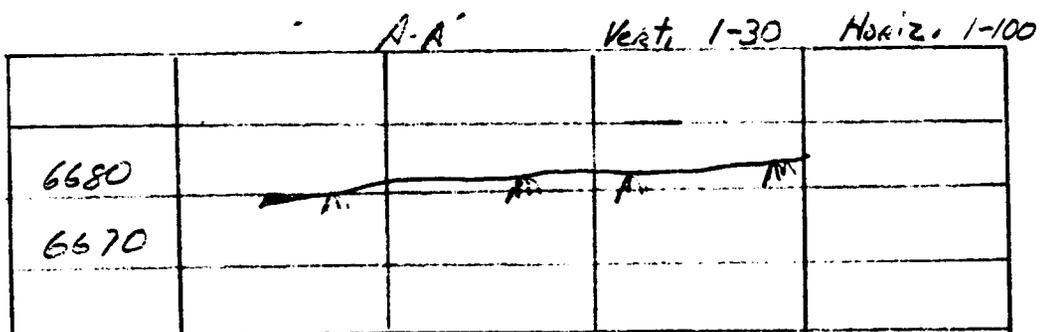
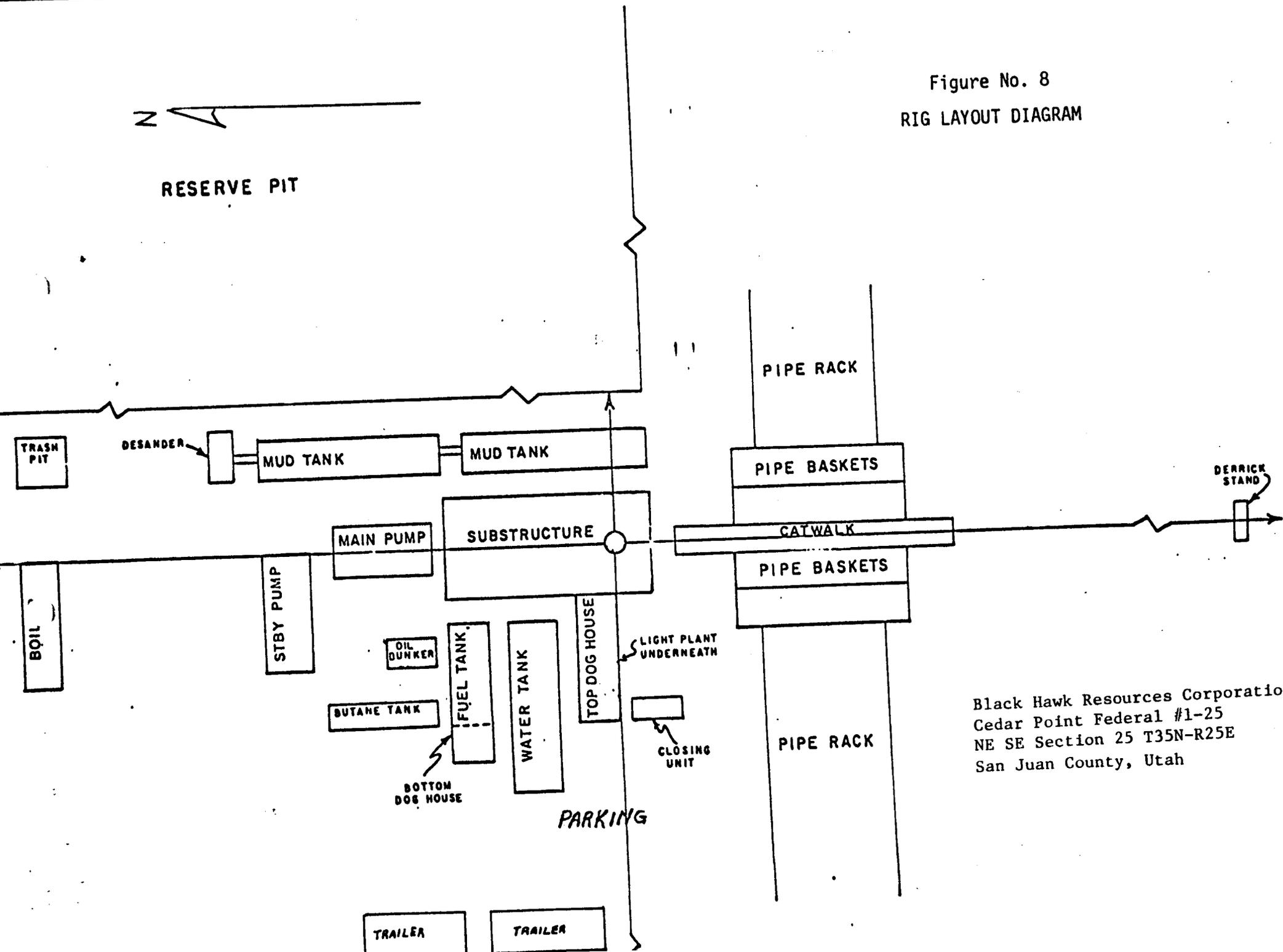


Figure No. 8
RIG LAYOUT DIAGRAM



Black Hawk Resources Corporation
Cedar Point Federal #1-25
NE SE Section 25 T35N-R25E
San Juan County, Utah

ADDITIONAL TIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

REHABILITATION PLAN

Case No.: 44-41512; Well Name and No.: Cedar Point Federal 1-25
Location: NE SE SE, Sec. 25, T. 35S N., R. 25E W.

Black Hawk Resources Corp. intends to drill a well on surface owned by Johnny Funk. The lessee/operator agrees to complete the following rehabilitation work if the well is a producer:

- Yes No Maintain access road and provide adequate drainage to road.
- Yes No Reshape and reseed any area not needed for maintenance of the pump and support facilities.

Other requirements: None

The following work will be completed when the well is abandoned:

- Yes No Pit will be fenced until dry, then filled to conform to surrounding topography.
- Yes No Water bars will be constructed as deemed necessary.
- Yes No Site will require reshaping to conform to surrounding topography.
- Yes No Entire disturbed area will be reseeded. If yes, the following seed mixture will be used:
Crested wheat grass
- Yes No Access road will be closed, rehabilitated and reseeded using the same seed mixture as above.
- Yes No Access road will remain for surface owner's use.
- Yes No Water bars will be constructed on the access road as deemed necessary.

Other requirements: _____

Surface Owner:

Name: _____
 Address: Box 461
 City: Doyle Creek
 State: Colorado
 Telephone: 677-2262
 Date: Jan 27-82

Operator/Lessee

Name: Black Hawk Resources Corp
 Address: 277 15th St. One Dollar Place Farrell PA 15810
 City: Doyle
 State: Colorado
 Telephone: 303-571-0160
 Date: _____

I CERTIFY rehabilitation has been discussed with me, the surface owner:

Johnny Funk
 (Surface owner's signature)

This plan covers rehabilitation requirements only and does not affect any other agreements between the lessee/operator and surface owner.

AMENDMENTS TO SURFACE USE PLAN

and

RECLAMATION PROCEDURES

Lease No.: _____

Pre-drill Inspection Date: _____

Operator: Prisco H. Co.

Participants: Lari Hopper &

Tony Hansen & Fred Kern Surveyors

Well Name: STATE Line Fed #1

Joe Englishman USGS

Well Location: 1-34

Bryan Woods Tom Hore BLM

500 N LINE

1720 W LINE

S 34-36 S 26 E

Al Heaton Ucalc Construction

DCA
Marilyn Swift Archeologist

Construction:

1. The operator or his contractor will contact the San Juan Resource Area Office in Monticello, Utah (Phone (801) 587-2201) 48 hours prior to beginning any work on public land.

2. The dirt contractor will be furnished with a copy of the Surface Use Plan and any additional BLM stipulations prior to any work.
3. The San Juan County Road Department in Monticello will be contacted prior to the use of county roads for this activity, ~~Mr. Dick Fraister~~ at (801) 587-2249.
31, Ext 43
4. Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
5. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
6. Improvement to existing access (will/will not) be necessary and will be limited to a total disturbed width of 20 feet. New construction will be limited to a total disturbed width of 20 feet. Road surface ~~will be flat-bladed to remove brush; no ditching or water bars or culverts will be installed.~~

Road will be mowed & ditched

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

7. The top 15 inches of soil material will be removed from the location and stockpiled separate from the trees on the WEST side of the location. Topsoil along the access will be reserved in place.
8. A trash pit will be constructed near the mud tanks with steep sides and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine mesh wire before the rig moves onto the location.
trash will be covered frequently
9. The reserve pit (~~will~~ will not) be lined with commercial bentonite or plastic sufficient to prevent seepage. Keyway.
10. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

11. A burning permit will be required before burning trash between May 1 and October 31. This can be acquired by contacting the State Fire Warden, John Baker at (801) 587-2705. *monticello*

Rehabilitation

1. Immediately on completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash pit. Non-burnable debris will be hauled to a local town dump site.
2. The operator or his contractor will contact the San Juan Resource Area BLM office in Monticello, Utah, phone (801) 587-2201, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.

6. All disturbed areas will be scarified with the contour to a depth of 13 inches.

7. Seed will be (broadcast/drilled) at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.

- lbs/acre Indian ricegrass (Oryzopsis hymenoides)
- 1 lbs/acre Fourwing saltbush (Atriplex canescens)
- lbs/acre Sand dropseed (Sporobolus cryptandrus)
- lbs/acre Green ephedra (Ephedra viridis)
- lbs/acre Cliffrose (Cowania mexicana)
- 4 lbs/acre Crested wheatgrass (Agropyron desertorum)
- lbs/acre Western wheatgrass (Agropyron smithii)
- lbs/acre Alkali sacaton (Sporobolus airoides)
- 1 lbs/acre Rubber rabbitbrush (Chrysothamnus nauseosus)
- lbs/acre _____
- lbs/acre _____
- lbs/acre _____

8. After seeding is complete the stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent future use.

9. Water bars will be constructed as directed by BLM to control erosion.

IC CAN FILE MARKET WILL NOT BE INSTALLED
Production (DRAINAGE OUT OF BELOW SURFACE)

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. Enough topsoil will be retained to reclaim the remainder of the location at a future date. The remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

2. All above-ground production facilities will be painted a neutral color to be approved by the BLM.

BROWN OR SAND BAGS

3. The access shall be upgraded to the following specifications: - BLM -

(CHECK SANITARY HOLES TO BE MADE IN THE SURFACE
& CHECK WITH BLM TO MAKE SANITARY)

** FILE NOTATIONS **

DATE: 1-26-82
OPERATOR: Buckhorn Petroleum Co.
Black Hawk Resources Corp.
WELL NO: Cedar Point Federal #1-25
Location: Sec. 25 T. 35S R. 25E County: San Juan

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

API Number 43-037-30784

CHECKED BY:

Petroleum Engineer: _____

Director: OK Public (C)

Administrative Aide: per per rule C-3(c) Need topo.
bc too close to the last line & so line.

APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. _____ O.K. Rule C-3
Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site
Lease Designation Gen Plotted on Map
Approval Letter Written
Hot Line P.I.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Black Hawk Resources Corp BHRC, Inc.

3. ADDRESS OF OPERATOR Denver, CO 80202
999 18th St. One Denver Place Tower II STE

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 350 FEL & 1245 FSL NE SE
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cedar Point Federal

9. WELL NO.
#1-25

10. FIELD OR WILDCAT NAME
W/C

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 25 T35S-R25E

12. COUNTY OR PARISH | 13. STATE
San Juan | UT

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 6679

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Operators Name Change			

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A complete NTL-6 has been mailed to you previously. The State of Utah has requested that Black Hawk Resources Corp. , a Wyoming Corp., do business as BHRC, Inc. in the State of Utah.

Please make this correction in the original NTL-6

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Roger Burau TITLE Operations Manager DATE 1-29-82
Roger Burau

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other *303-571-105*

2. NAME OF OPERATOR
Black Hawk Resources Corp BHRC, Inc.

3. ADDRESS OF OPERATOR
Denver, CO 80202
999 18th St. One Denver Place Tower II STE

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 350 FEL & 1245 FSL **SE SE**
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cedar Point Federal

9. WELL NO.
#1-25

10. FIELD OR WILDCAT NAME
W/C

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 25 T35S-R25E

12. COUNTY OR PARISH
San Juan

13. STATE
UT

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 6679

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Operators Name Change</u>		

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A complete NTL-6 has been mailed to you previously. The State of Utah has requested that Black Hawk Resources Corp. , a Wyoming Corp., do business as BHRC, Inc. in the State of Utah.

Please make this correction in the original NTL-6

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Roger St Bureau TITLE Operations Manager DATE 1-29-82
Roger Bureau

(This space for Federal or State office use)

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



United States Department of the Interior

IN REPLY REFER TO

T35SR25E Sec. 25
(U-069)

BUREAU OF LAND MANAGEMENT

Moab District
San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

February 1, 1982

Memorandum

To: Minerals Management Services, Durango, Colorado

From: Area Manager, San Juan

Subject: Black Hawk Resources Corporation's Cedar Point Federal No.
1 Well (U-41512)

We have received the signed agreement between the surface owner, Johnny Funk and Black Hawk Resources which details the rehabilitation plan. We concur with approval of the APD.

The archaeological requirement has been fulfilled. No threatened or endangered species are indicated in the area.

Edward L. Schmitt

RECEIVED

FEB 3 1982

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.



BLACK HAWK RESOURCES CORPORATION

Tower II, One Denver Place, Suite 1101 • 999 Eighteenth Street • Denver, Colorado 80202
(303) 571-0160

February 8, 1982

Coquina Oil Corporation
#1100 Trinity Place
1801 Broadway
Denver, CO 80202

Re: Bug Prospect
San Juan Co., Utah

Gentlemen:

Per our joint interest in the above captioned prospect, enclosed please find copies of the following:

1. Sundry Notices for State Line Federal #1-34
Coal Bed Canyon #1-15
✓ Cedar Point Federal #1-25
2. Archaeological Report
3. Rehabilitation Plan
5. Amendments to Surface use Plan and Reclamation Procedures

If you have any questions, please do not hesitate to call.

Very truly yours,

BLACK HAWK RESOURCES CORPORATION

Cathy Morrison
Drilling Department

/cm
Enclosures



Tower II, One Denver Place, Suite 1101 • 999 Eighteenth Street • Denver, Colorado 80202
(303) 571-0160

February 12, 1982

U.S.G.S.
2000 Administration Building
1745 West - 1700 South
Salt Lake City, Utah 84104-3884

Attn: Mr. E. W. Guynn

Re: Cedar Point Federal #1-25
Rehabilitation Agreement &
Stipulation Letter

Dear Sir:

Per your request of January 21, 1982, enclosed please find a copy of the Rehabilitation Agreement, as well as a Stipulation Letter for the Cedar Point Federal #1-25 well.

Thank you for your prompt handling of our applications.

Very truly yours,

BLACK HAWK RESOURCES CORPORATION

Roger G. Burau
Operations Manager

RGB:cm
Enclosures

cc: Bureau of Land Management
P.O. Box #7
Monticello, UT 84535

State of Utah
Division of Oil Gas & Mining
1588 West, North Temple
Salt Lake City, UT 84116

REHABILITATION PLAN

Lease No.: 44-41512; Well Name and No.: Cedar Point Federal 1-25;
Location: NE SE SE, Sec. 25, T. 35S N., R. 25E W.

Black Hawk Resources Corp. intends to drill a well on surface owned by Johnny Funk. The lessee/operator agrees to complete the following rehabilitation work if the well is a producer:

- Yes No Maintain access road and provide adequate drainage to road.
- Yes No Reshape and reseed any area not needed for maintenance of the pump and support facilities.

Other requirements: None

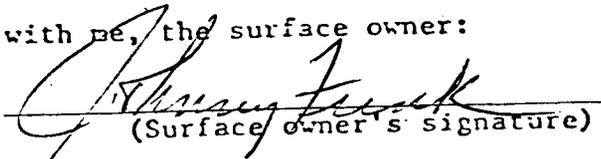
The following work will be completed when the well is abandoned:

- Yes No Pit will be fenced until dry, then filled to conform to surrounding topography.
- Yes No Water bars will be constructed as deemed necessary.
- Yes No Site will require reshaping to conform to surrounding topography.
- Yes No Entire disturbed area will be reseeded. If yes, the following seed mixture will be used:
Crested wheat grass
- Yes No Access road will be closed, rehabilitated and reseeded using the same seed mixture as above.
- Yes No Access road will remain for surface owner's use.
- Yes No Water bars will be constructed on the access road as deemed necessary.

Other requirements: _____

Surface Owner:
 Name: _____
 Address: Box 461
 City: Dove Creek
 State: Colorado
 Telephone: 677-2262
 Date: Jan 27-82

Operator/Lessee
 Name: Black Hawk Resources Corp
 Address: 975 18th St. One Denver Place Tower 11 52110
 City: Denver
 State: Colorado
 Telephone: 303-571-0160
 Date: _____

I CERTIFY rehabilitation has been discussed with me, the surface owner:

 (Surface owner's signature)

This plan covers rehabilitation requirements only and does not affect any other agreements between the lessee/operator and surface owner.

AMENDMENTS TO SURFACE USE PLAN

and

RECLAMATION PROCEDURES

Lease No.: _____

Pre-drill Inspection Date: _____

Operator: Piscot Hopper

Participants: Lari Hopper &
Tony Hansen & Fred Kern Surveyors

Well Name: STATE Line Fedha

Jon Englishman USGS

Well Location: 1-34

Bryan Woods Tom Hare BLM

500 N LINE

1020 N LINE

S 34-36 S 26 E

Al Heaton Uredo Construction

DCA
Marylin Swift Archaeologist

Construction:

1. The operator or his contractor will contact the San Juan Resource Area Office in Monticello, Utah (Phone (801) 587-2201) 48 hours prior to beginning any work on public land.

2. The dirt contractor will be furnished with a copy of the Surface Use Plan and any additional BLM stipulations prior to any work.
3. The San Juan County Road Department in Monticello will be contacted prior to the use of county roads for this activity, ~~Mr. Dick Fraister~~ at (801) 587-2249.
31, Ext 43
4. Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
5. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
6. Improvement to existing access (will/will not) be necessary and will be limited to a total disturbed width of 20 feet. New construction will be limited to a total disturbed width of 20 feet. Road surface ~~will be flat-bladed to remove brush, no ditching or water bars or culverts will be installed.~~

Road will be mowed & ditched

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

7. The top 2 inches of soil material will be removed from the location and stockpiled separate from the trees on the WEST side of the location. Topsoil along the access will be reserved in place.
8. A trash pit will be constructed near the mud tanks with steep sides and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine mesh wire before the rig moves onto the location.
trash will be dumped frequently
9. The reserve pit (~~will~~/will not) be lined with commercial bentonite or plastic sufficient to prevent seepage. Keyway.
10. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

11. A burning permit will be required before burning trash between May 1 and October 31. This can be acquired by contacting the State Fire Warden, John Baker at (801) 587-2705. *monticello*

Rehabilitation

1. Immediately on completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash pit. Non-burnable debris will be hauled to a local town dump site.
2. The operator or his contractor will contact the San Juan Resource Area BLM office in Monticello, Utah, phone (801) 587-2201, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.

6. All disturbed areas will be scarified with the contour to a depth of 12 inches.

7. Seed will be (broadcast/drilled) at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.

 lbs/acre Indian ricegrass (Oryzopsis hymenoides)

 1 lbs/acre Fourwing saltbush (Atriplex canescens)

 lbs/acre Sand dropseed (Sporobolus cryptandrus)

 lbs/acre Green ephedra (Ephedra viridis)

 lbs/acre Cliffrose (Cowania mexicana)

 4 lbs/acre Crested wheatgrass (Agropyron desertorum)

 lbs/acre Western wheatgrass (Agropyron smithii)

 lbs/acre Alkali sacaton (Sporobolus airoides)

 1 lbs/acre Rubber rabbitbrush (Chrysothamnus nauseosus)

 lbs/acre _____

 lbs/acre _____

 lbs/acre _____

8. After seeding is complete the stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent future use.

9. Water bars will be constructed as directed by BLM to control erosion.

IC
BY HIGH WATER MARK WILL NOT BE INSTALLED
Production (DRAINAGE CUT OFF BELOW SURFACE)

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. Enough topsoil will be retained to reclaim the remainder of the location at a future date. The remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

2. All above-ground production facilities will be painted a neutral color to be approved by the BLM.

Brown or SAND BAGS

3. The access shall be upgraded to the following ^{BLM} specifications:

(CONCRETE) SLABS WITH 2 FT SURFACE
& (WOOD) WITH 2 FT SURFACE (MAKE SLOTTED)


BLACK HAWK RESOURCES CORPORATION

Tower II, One Denver Place, Suite 1101 • 999 Eighteenth Street • Denver, Colorado 80202
(303) 571-0160

RECEIVED
FEB 17 1982

February 12, 1982

U.S.G.S.
2000 Administration Building
1745 West - 1700 South
Salt Lake City, Utah 84104-3884

**DIVISION OF
OIL, GAS & MINING**

Attn: Mr. E. W. Gynn

Re: Cedar Point Federal #1-25
Rehabilitation Agreement &
Stipulation Letter

Dear Sir:

Per your request of January 21, 1982, enclosed please find a copy of the Rehabilitation Agreement, as well as a Stipulation Letter for the Cedar Point Federal #1-25 well.

Thank you for your prompt handling of our applications.

Very truly yours,

BLACK HAWK RESOURCES CORPORATION

Roger G. Burau

Roger G. Burau
Operations Manager

RGB:cm
Enclosures

cc: Bureau of Land Management
P.O. Box #7
Monticello, UT 84535

✓ State of Utah
Division of Oil Gas & Mining
1588 West, North Temple
Salt Lake City, UT 84116

Rule 30 CFR 221.20 requires well shall not be drilled closer than 200 feet from the lease boundary, or 200 feet from any legal subdivision, without adequate reasons or consent.

District Oil and Gas Supervisor
U. S. Geological Survey
Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Stipulation

Dear Sir:

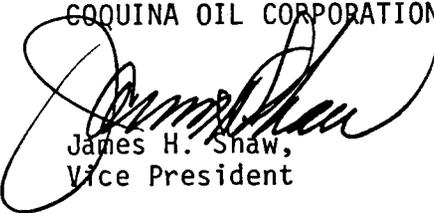
Coquina Oil Corporation is the owner of Federal Oil and Gas lease U-41512, and proposes to drill a well on the leased premises to test for oil and gas at a location in the SE ¼ SE ¼, Section 25, Township 35S, Range 25E, _____ Meridian, San Juan County, State of Utah, 350' from East line, and 1245' from South line of Section 25.

Section 221.20 of the Federal Oil and Gas Regulations requires that no well be drilled less than 200 feet from the boundary of any legal subdivision without the written consent of the Supervisor, United States Geological Survey. The proposed location is approximately 75' from the North boundary line of the SE ¼ SE ¼ of Section 25, but is considered to be necessary because of an archeological site at the original location which was 990' FSL. Also, close proximity to steep cliffs on the west side would not allow any movement to the west to avoid impact on the archeological site.

Therefore, Coquina Oil Corporation Lessee, requests the consent of the Supervisor to the drilling of the proposed well at the above-described location. In consideration of such consent, Coquina Oil Corp., Lessee, hereby expressly covenants and agrees that he will make no separate assignments of the SE ¼ SE ¼, and the NE ¼ SE ¼, Section 25, Township 35S, Range 25E, _____ Meridian, and that he will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

Sincerely,

COQUINA OIL CORPORATION


James H. Shaw,
Vice President

skk

REHABILITATION PLAN

Lease No.: 44-41512; Well Name and No.: Cedar Point Federal 1-25
Location: NE SE SE, Sec. 25, T. 35S N., R. 25E W.

Black Hawk Resources Corp. intends to drill a well on surface owned by Johnny Funk. The lessee/operator agrees to complete the following rehabilitation work if the well is a producer:

- Yes No Maintain access road and provide adequate drainage to road.
- Yes No Reshape and reseed any area not needed for maintenance of the pump and support facilities.

Other requirements: None

The following work will be completed when the well is abandoned:

- Yes No Pit will be fenced until dry, then filled to conform to surrounding topography.
- Yes No Water bars will be constructed as deemed necessary.
- Yes No Site will require reshaping to conform to surrounding topography.
- Yes No Entire disturbed area will be reseeded. If yes, the following seed mixture will be used:
Crested wheat grass
- Yes No Access road will be closed, rehabilitated and reseeded using the same seed mixture as above.
- Yes No Access road will remain for surface owner's use.
- Yes No Water bars will be constructed on the access road as deemed necessary.

Other requirements: _____

Surface Owner:
 Name: _____
 Address: Box 461
 City: Dove Creek
 State: Colorado
 Telephone: 677-2262
 Date: Jan 27-82

Operator/Lessee
 Name: Black Hawk Resources Corp
 Address: 277 18th St. One Denver Place Tower 11 50110
 City: Denver
 State: Colorado
 Telephone: 303-571-0160
 Date: _____

I CERTIFY rehabilitation has been discussed with me, the surface owner:

Johnny Funk
(Surface owner's signature)

This plan covers rehabilitation requirements only and does not affect any other agreements between the lessee/operator and surface owner.

AMENDMENTS TO SURFACE USE PLAN

and

RECLAMATION PROCEDURES

Lease No.: _____

Pre-drill Inspection Date: _____

Operator: RISOR

Participants: Lori Hopper

Tony Hansen & Fred Kern Surveyors

Well Name: STATE LINE FEDERAL

Don Englishman USGS

Well Location: 1-34

Boyan Woods Tom Hare BLM

500 N LINE

1230 W LINE

S 34- 36 S 24 E

Al Heaton Uvalde Construction

Marylin Swift Archaeologist
DCA

Construction:

1. The operator or his contractor will contact the San Juan Resource Area Office in Monticello, Utah (Phone (801) 587-2201) 48 hours prior to beginning any work on public land.

2. The dirt contractor will be furnished with a copy of the Surface Use Plan and any additional BLM stipulations prior to any work.
3. The San Juan County Road Department in Monticello will be contacted prior to the use of county roads for this activity, ~~Mr. Dick Fraister~~ at (801) 587-2249.
31, Ext 43
4. Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
5. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
6. Improvement to existing access (will/will not) be necessary and will be limited to a total disturbed width of 40 feet. New construction will be limited to a total disturbed width of 20 feet. Road surface ~~will be flat-bladed to remove brush; no ditching or water bars or culverts will be installed.~~

Road will be mowed & ditched

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

7. The top 2 inches of soil material will be removed from the location and stockpiled separate from the trees on the WEST side of the location. Topsoil along the access will be reserved in place.
8. A trash pit will be constructed near the mud tanks with steep sides and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine mesh wire before the rig moves onto the location.
trash will be burned frequently
9. The reserve pit (~~will~~/will not) be lined with commercial bentonite or plastic sufficient to prevent seepage. Keyway.
10. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

11. A burning permit will be required before burning trash between May 1 and October 31. This can be acquired by contacting the State Fire Warden, John Baker at (801) 587-2705. *monticello*

Rehabilitation

1. Immediately on completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash pit. Non-burnable debris will be hauled to a local town dump site.
2. The operator or his contractor will contact the San Juan Resource Area BLM office in Monticello, Utah, phone (801) 587-2201, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.

6. All disturbed areas will be scarified with the contour to a depth of 18 inches.

7. Seed will be (broadcast/~~drilled~~) at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.

- lbs/acre Indian ricegrass (Oryzopsis hymenoides)
- 1 lbs/acre Fourwing saltbush (Atriplex canescens)
- lbs/acre Sand dropseed (Sporobolus cryptandrus)
- lbs/acre Green ephedra (Ephedra viridis)
- lbs/acre Cliffrose (Cowania mexicana)
- 4 lbs/acre Crested wheatgrass (Agropyron desertorum)
- lbs/acre Western wheatgrass (Agropyron smithii)
- lbs/acre Alkali sacaton (Sporobolus airoides)
- 1 lbs/acre Rubber rabbitbrush (Chrysothamnus nauseosus)
- lbs/acre _____
- lbs/acre _____
- lbs/acre _____

8. After seeding is complete the stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent future use.

9. Water bars will be constructed as directed by BLM to control erosion.

10. *OKY FIRE MARKER will NOT be installed*
Production *(AGING OUT OFF below SURFACE*

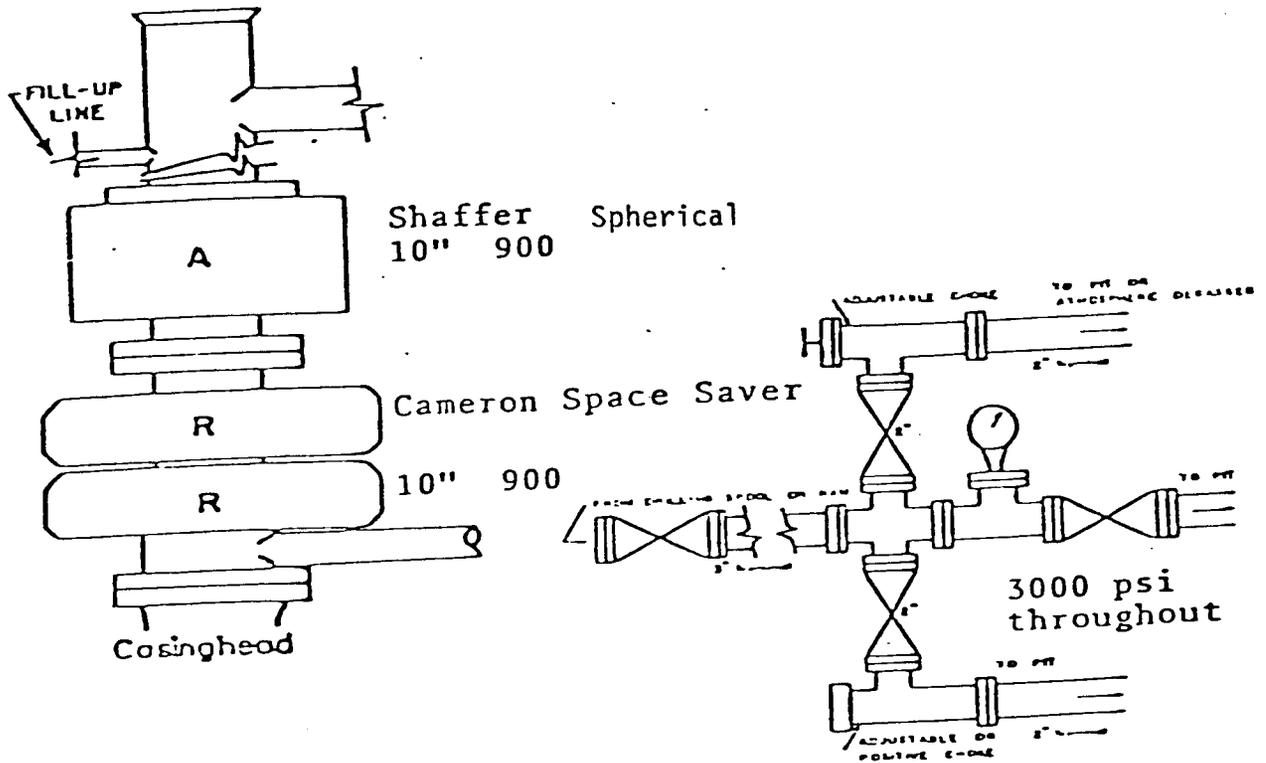
1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. Enough topsoil will be retained to reclaim the remainder of the location at a future date. The remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

2. All above-ground production facilities will be painted a neutral color to be approved by the BLM.

Brown or SAND BAGS

3. The access shall be upgraded to the following ^{BLM} specifications:

*(CHECK SANITARY LINES TO BE AT SURFACE
& CHECK WITH BLM TO MAKE SANITARY)*



Black Hawk Resources Corporation
 Cedar Point Federal #1-25
 NE SE Section 25 T35N-R25E
 San Juan County Utah

Figure No. 1
 BOP Diagram



Tower II, One Denver Place, Suite 1101 • 999 Eighteenth Street • Denver, Colorado 80202
(303) 571-0160

March 17, 1982

Utah Oil & Gas Commission
4241 State Office Building
Salt Lake City, Utah 84114

Re: Cedar Point Federal #1-25
Rehabilitation Agreement &
Stipulation Letter

Gentlemen:

By the request of Mr. Roger G. Bureau, Operations Manager, enclosed please find a copy of the Rehabilitation Agreement, as well as a Stipulation Letter for the Cedar Point Federal #1-25 well.

Please let us hear from you if there are any questions in connection with the enclosed.

Very truly yours,

BLACK HAWK RESOURCES CORPORATION

Cathy Morrison

Cathy Morrison
Drilling Department

/cm
Enclosures

RECEIVED

MAR 19 1982

DIVISION OF
OIL, GAS & MINING

Rule 30 CFR 221.20 requires well shall not be drilled closer than 200 feet from the lease boundary, or 200 feet from any legal subdivision, without adequate reasons or consent.

District Oil and Gas Supervisor
U. S. Geological Survey
Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Stipulation

Dear Sir:

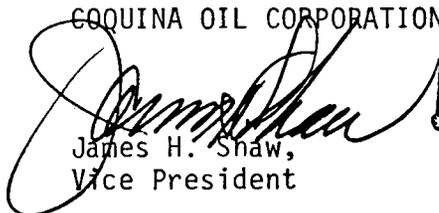
Coquina Oil Corporation is the owner of Federal Oil and Gas lease U-41512, and proposes to drill a well on the leased premises to test for oil and gas at a location in the SE ¼ SE ¼, Section 25, Township 35S, Range 25E, _____ Meridian, San Juan County, State of Utah, 350' from East line, and 1245' from South line of Section 25.

Section 221.20 of the Federal Oil and Gas Regulations requires that no well be drilled less than 200 feet from the boundary of any legal subdivision without the written consent of the Supervisor, United States Geological Survey. The proposed location is approximately 75' from the North boundary line of the SE ¼ SE ¼ of Section 25, but is considered to be necessary because of an archeological site at the original location which was 990' FSL. Also, close proximity to steep cliffs on the west side would not allow any movement to the west to avoid impact on the archeological site.

Therefore, Coquina Oil Corporation, Lessee, requests the consent of the Supervisor to the drilling of the proposed well at the above-described location. In consideration of such consent, Coquina Oil Corp., Lessee, hereby expressly covenants and agrees that he will make no separate assignments of the SE ¼ SE ¼, and the NE ¼ SE ¼, Section 25, Township 35S, Range 25E, _____ Meridian, and that he will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

Sincerely,

COQUINA OIL CORPORATION


James H. Shaw,
Vice President

RECEIVED

MAR 19 1982

DIVISION OF
OIL, GAS & MINERAL

skk

May 11, 1982

BHRC
999 18th St., STE #1101
One Denger Place Tower II
Denver, Colo. 80202

RE: Well No. Cedar Point Federal #1-25,
Sec. 25, T. 35S, R. 25E,
San Juan County, Utah

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

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

Cleon B. Feight
Office: 533-5771
Home: 466-4455

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 43-037-30786.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/db
CC: Minerals Management Service
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Black Hawk Resources Corporation dba BHRC, Inc.

3. ADDRESS OF OPERATOR 999 - 18th Street
Suite #1101, Tower II, Denver, Colorado 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 350' FEL & 1245' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Change of Operator</u>		

5. LEASE
U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cedar Point Federal

9. WELL NO.
#1-25

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 25, T35S, R25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30786

15. ELEVATIONS (SHOW DF, KDB, AND WD)
G.R. 6679'

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

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)*

Black Hawk Resources Corporation dba BHRC, Inc. hereby gives notification of change of operator on the Cedar Point Federal #1-25 well, API No. 43-037-30786. The new Operator on this well will be:

BUCKHORN PETROLEUM COMPANY
1625 Broadway, Suite #1200
Denver, Colorado 80217
(303) 825-4771

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Roger G. Bureau TITLE Operations Manager DATE August 19, 1982
Roger G. Bureau

(This space for Federal or State office use)

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

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

DATE: 8-25-82
BY: Thomas E. Stout

*See Instructions on Reverse Side

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: U.S.A. U-41512

and hereby designates

NAME: Buckhorn Petroleum Company
ADDRESS: P. O. Box 5928 Terminal Annex
Denver, Colorado 80217

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 35 South, Range 25 East
Section 25: NE $\frac{1}{4}$ SE $\frac{1}{4}$

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.

BLACK HAWK RESOURCES CORPORATION



(Signature of lessee)

Ralph R. Wilkerson, President

Tower II, Suite 1101, 999 18th Street
Denver, Colorado 80202

(Address)

8/13/82

(Date)

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
BUCKHORN PETROLEUM CO.

3. ADDRESS OF OPERATOR
(1200 Dome Tower, 1625 Broadway)
P. O. Box 5928 T.A.; Denver, COLORADO 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 1245' FSL & 350' FEL (NE SE SE) Sec. 25-T35S-R25E
At proposed prod. zone San Juan County, Utah
Approx. Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 15 miles southwest of Dove Creek, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
350'

16. NO. OF ACRES IN LEASE
980

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

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

19. PROPOSED DEPTH
6400'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6679' GL; est. 6692' KB

22. APPROX. DATE WORK WILL START*
September 5, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	600' KB	800 sx (circ)
7-7/8"	5-1/2"	14# & 15.5#	6400' KB	400 sx

Buckhorn Petroleum Co. hereby accepts from Black Hawk Resources Corp. dba BHRC, Inc. the responsibilities of Operator with respect to the subject well and location.

Please note that the location as staked was incorrectly shown on BHRC's APD attachments as NE SE (should be SE SE).

At this time we anticipate using Brinkerhoff-Signal Rig #76. A copy of the equipment inventory including BOPs for this rig is attached.

This is not to be treated as an APD, but is supplemental to the boundary for change of operator. MMS will use this form to re-issue existing permit showing operator change

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 Rodney D. Smith TITLE Petroleum Engineer DATE August 24, 1982

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OIL & GAS OPERATIONS
RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK
 AUG 25 1982
 SALT LAKE CITY, UTAH

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 BUCKHORN PETROLEUM CO. *Operator Name Change*

3. ADDRESS OF OPERATOR
 (1200 Dome Tower, 1625 Broadway)
 P. O. Box 5928 T.A.; Denver, COLORADO 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 1245' FSL & 350' FEL (NE SE SE) Sec. 25-T35S-R25E
 At proposed prod. zone San Juan County, Utah
 Approx. Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 15 miles southwest of Dove Creek, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 350'

16. NO. OF ACRES IN LEASE 980

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

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

19. PROPOSED DEPTH 6400'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6679' GL; est. 6692' KB

22. APPROX. DATE WORK WILL START*
 September 5, 1982

5. LEASE DESIGNATION AND SERIAL NO.
 U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 CEDAR POINT FEDERAL

9. WELL NO.
 1-25 (BPC #16-25)

10. FIELD AND POOL, OR WILDCAT
 Wildcat/Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 NE SE SE
 Sec. 25-T35S-R25E

12. COUNTY OR PARISH | 13. STATE
 San Juan | Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	600' KB	800 sx (circ)
7-7/8"	5-1/2"	14# & 15.5#	6400' KB	400 sx

Buckhorn Petroleum Co. hereby accepts from Black Hawk Resources Corp. dba BHRC, Inc. the responsibilities of Operator with respect to the subject well and location.

Please note that the location as staked was incorrectly shown on BHRC's APD attachments as NE SE (should be SE SE).

At this time we anticipate using Brinkerhoff-Signal Rig #76. A copy of the equipment inventory including BOPs for this rig is attached.

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 Rodney D. Smith TITLE Petroleum Engineer DATE August 24, 1982
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] FOR E. W. GUYNN
 CONDITIONS OF APPROVAL, IF ANY: _____ TITLE DISTRICT OIL & GAS SUPERVISOR DATE AUG 25 1982

THIS RE-APPROVAL IS SUBJECT TO ALL OF THE CONDITIONS OF APPROVAL ORIGINALLY APPROVED ON FEBRUARY 22, 1982.

NOTICE OF APPROVAL

State Oil & Gas

MINERALS MANAGEMENT
SERVICE
OIL & GAS OPERATIONS
RECEIVED

DESIGNATION OF OPERATOR

AUG 23 1982

SALT LAKE CITY, UTAH

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: USA U-41512

and hereby designates

NAME: Buckhorn Petroleum Company
ADDRESS: 1625 Broadway, Suite 1200, Box 5928, T.A.
Denver, CO 80217

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 35 South, Range 25 East
Section 25: SE/4SE/4

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.

ATTEST:

COQUINA OIL CORPORATION

By: Arthur W. Shaw
Arthur W. Shaw, Asst. Secretary

BY: George M. Simmons
George M. Simmons, Vice President

August 23, 1982
(Date)

Post Office Drawer 2960
Midland, Texas 79702
(Address)

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

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 BUCKHORN PETROLEUM CO.

3. ADDRESS OF OPERATOR
 (1200 Dome Tower, 1625 Broadway)
 P. O. Box 5928 T.A.; Denver, COLORADO 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
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 San Juan County, Utah
 At proposed prod. zone Approx. Same

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 6400'

20. ROTARY OR CABLE TOOLS
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21. ELEVATIONS (Show whether DF, RT, GR, etc.)
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 September 5, 1982

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7-7/8"	5-1/2"	14# & 15.5#	6400' KB	400 sx

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24. SIGNED Rodney D. Smith TITLE Petroleum Engineer DATE August 24, 1982

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 FOR E. W. GUYNN
 APPROVED BY [Signature] TITLE DISTRICT OIL & GAS SUPERVISOR DATE AUG 25 1982

CONDITIONS OF APPROVAL, IF ANY:

THIS RE-APPROVAL IS SUBJECT TO ALL OF THE CONDITIONS OF APPROVAL ORIGINALLY APPROVED ON FEBRUARY 22, 1982.

NOTICE OF APPROVAL

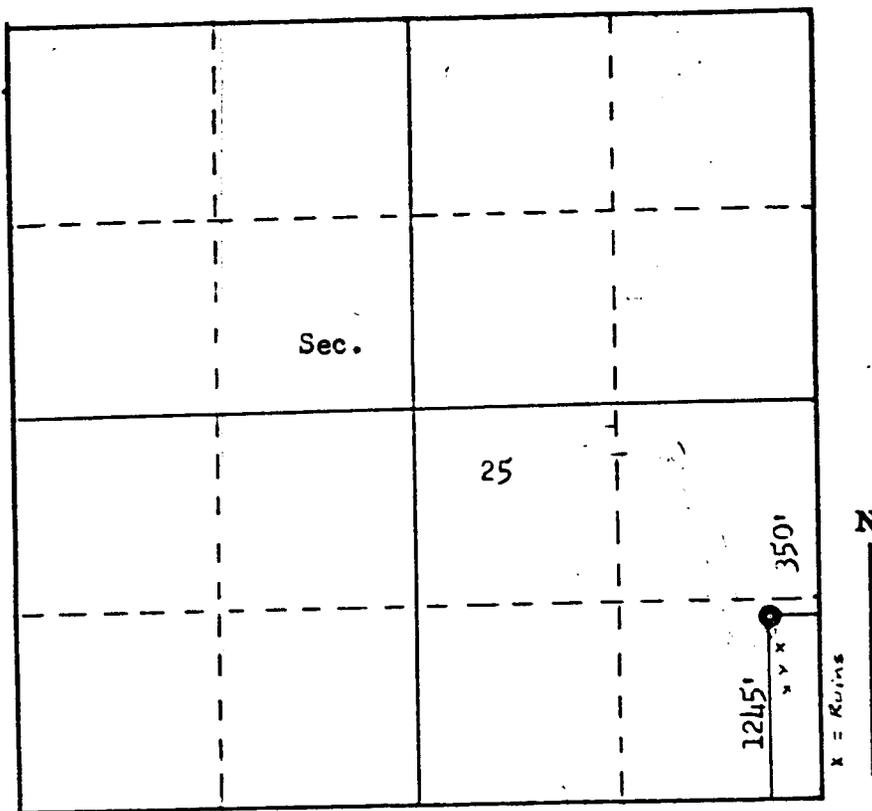
COMPANY BHRC, INCORPORATED

LEASE CEDER-POINT-FEDERAL WELL NO. 1-25

SEC. 25, T. 35S, R. 25E
San Juan County, Utah

LOCATION 1245' FSL 350' FEL

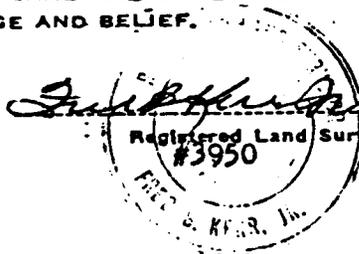
ELEVATION 6679 ungraded ground



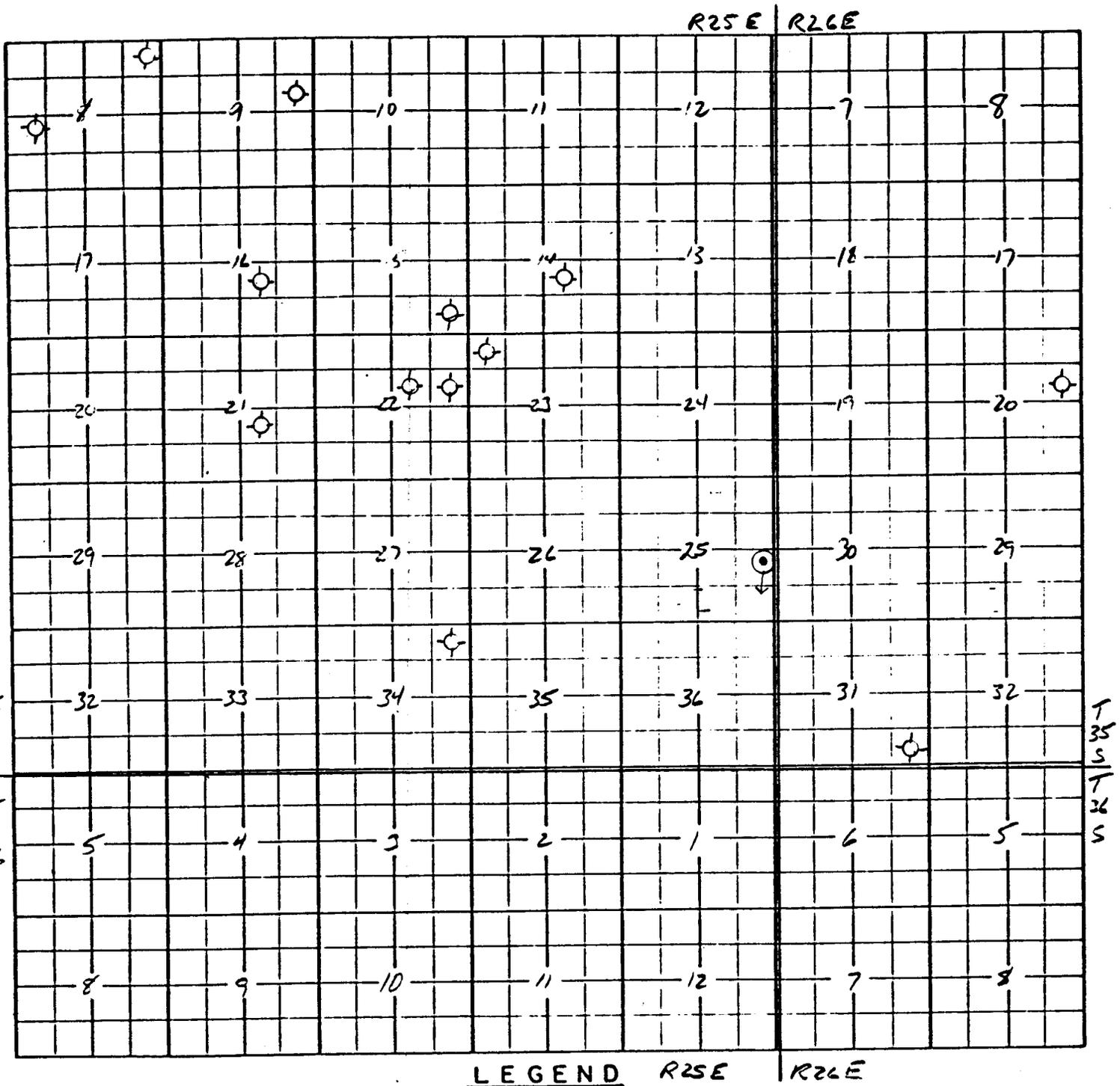
SCALE—4 INCHES EQUALS 1 MILE

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

SEAL:



SURVEYED December 16 1981



LEGEND R25E R26E

⊙ DRILLSITE

- △ WATER WELL
- ⊕ ABANDONED WELL
- ⊖ TEMPORARILY ABANDONED WELL
- ⊗ DISPOSAL WELL
- DRILLING WELL

- PRODUCING WELL, OIL
- ⊗ PRODUCING WELL, GAS
- ⬤ SHUT-IN WELL
- ⊗ INJECTION WELL
- ▲ OBSERVATION WELL



SUITE 1200, DOME TOWER, 1625 BROADWAY
P.O. BOX 5928, T.A., DENVER, COLORADO 80217
303/825-4771

Date 8-27-82

ATTN: DIANE HORSLEY

RE: BUCKHORN's #1-25 (16-25) CEDAR POINT FEDERAL
SE SE Sec. 25 - T35S - R25E
San Juan County, UTAH
U.S.A. U-41512

Operator's Representative:

Kenneth L. Hayes (will live on location)
P. O. Box A
Moab, Utah 84532
Mobile Phone: 801/259-2034 (Bell system direct)

'Curley' Grimlie's mobile (also Bell system direct)
303/628-7550

Barbara
xc: Norm Stout - Utah State Office

for your info

RECEIVED
AUG 30 1982

DIVISION OF
OIL, GAS & MIN'

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BUCKHORN PETROLEUM

WELL NAME: Cedar Point Federal #16-25

SECTION NESE 25 TOWNSHIP 35S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Brinkerhoff Signal

RIG # 76

SPUDDED: DATE 9-5-82

TIME 4:00 PM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Pam Rader

TELEPHONE # 303-825-4771

DATE 9-8-82 SIGNED AS

Man

Buckhorn - #16-25 Cedar Point Federal (Contractor - Brinkerhoff-Signal Rig #76) Spud
SE SE Sec. 25-T35S-R25E, San Juan, Utah PTD 6460' Desert Creek USA U-41512
Buckhorn - 75%WI BCP, 50%WI ACP) Cedar Point Prospect Coquina Farmout AFE BEW 2200
8-29-82

thru Started bldg location 8-28-82, still bldg location.
8-31-82

9-01-82 Bldg. location, should be through 9-02-82.

9-02-82 Finish bldg location, RU dry hole diggers.

9-03-82 40', drlg conductor hole. MI RH digger 9-02-82. Should have conductor
hole, RH, MH finished by 2:00 PM, 9-03-82. MI Brinkerhoff-Signal Rig
#76, 9-02-82 & RH this afternoon, 9-03-82.

RECEIVED

SEP 10 1982

DIVISION OF
OIL, GAS & MINING

BUCKHORN PETROLEUM CO.

WELL PROGNOSIS

Prospect/Field Cedar Point Lease _____
 Well Name Cedar Point Federal #1-25
 State Utah County San Juan
 Location NESESE Sec. 25 Twp 35S Rge 25E
 Footage 1245' FSL & 350' FEL
 Elevation Gr 6679' KB _____
 Proposed Total Depth 6460'

(X) Wildcat () Development

GEOLOGICAL REQUIREMENTS

SAMPLE PROGRAM

10'* samples surf csg to _____ TD _____
 _____ samples _____ to _____
 Samples to Amstrat: Yes No _____
 Samples to other partners _____
 Coquina Oil Corporation _____

Deviation Limit 5° Not to exceed 1° /1000'
 *If drilling fast, 30' samples OK to 4000'

LOGGING PROGRAM

IES _____ to _____
 Dual Induction-SFL surf csg to _____ TD _____
 BHC Acoustic surf csg to _____ TD _____
 FDC/CNL surf csg to _____ TD _____
 Laterolog 3 _____ to _____
 Microlaterolog _____ to _____
 SNP _____ to _____
 Gamma Ray Neutron _____ to _____
 Dipmeter _____ to _____

Check shot survey _____

CORING PROGRAM Desert Creek (approx 150')

DST PROGRAM Honaker Trail (if shows),
Ismay (if shows), Desert Creek

Mud Logger Required: Yes No _____
 Type Two man
 Depth range: From surf csg to TD

Geologist: From 4500' to TD

FORMATION TOPS

DEPTH

Entrada	1120'
Carmel	1270'
Kaventa	1640'
Wingate	1715'
Chinle	2020'
Shinarump	2735'
Cutler	2970'
Hermosa	4720'
Honaker Trail	4720'
Ismay	5900'
Desert Creek	6330'
Akah	6450'
Salt	6460'

Coowners and Participants

Buckhorn Petroleum Company 50%
Coquina Oil Corporation 50%

DRILLING PROGRAM

HOLE SIZE			CASING PROGRAM	
	SIZE	WEIGHT	DEPTH	CEMENT
to	_____	_____	_____	Sx
to	_____	_____	_____	Sx
to	_____	_____	_____	Sx

MUD PROGRAM

TYPE	DEPTH		CHARACTERISTICS			
	FROM	TO	WT.	VIS.	%OIL	W.L.
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

APPROVED: Land _____ Production _____
 Geological _____ Management _____

Buckhorn - #16-25 Cedar Point Federal (Contractor - Brinkerhoff-Signal Rig #76)

Spud 9-5-82

SE SE Sec. 25-T35S-R25E, San Juan County, Utah PTD 6460' Desert Creek USA U-41512
(Buckhorn - 66.6667%WI BCP, 50.000%WI ACP) Cedar Point Prospect Coquina Farmout
AFE BEW 2200

9-11-82 2022', LD 9" DC, made 387'. 24 hr. breakdown: 16½ hrs. drlg; 1½ hrs survey; ¼ hr rig service; ½ hr circ; 1½ hrs. ST 10 stands; ¾ hrs. circ & drop survey; 3½ hrs. POOH, SLM, LD 9" DC & tools. Surveys: 1° @ 1639, 1° @ 1732, 1° @ 1826'. MW 9; vis 42; WL N/C; pH 8; FC N/C; Cl 900 ppm; Ca 700 ppm; PV 18; YP 10; gel 4/15; solids 5%; LCM 4%. Bit #2: 12½", STC, F2 (15-15-15). In @ 1271', out @ 2022', made 751' in 31 hrs. @ 24.2'/hr. SN CL 7483. Bit wt: 35M#, RPM 75, pump #1: 1000 psi pump pr, SPM 104, GPM 301; pump #2: 1000 psi pump pr, SPM 56, GPM 246. BHA - same, 615.23'
Daily Cost: \$8,350 Cum Cost: \$131,870

9-12-82 2022', NU, made no footage. 24 hr. breakdown: ¾ hrs LD BHA; ¾ hrs RU csg crew; 2½ hrs run 8-5/8" surf csg; 1 hr. circ & cond mud; 1-¾ hrs RU & cmt; 9 hrs. WOC; 5 hrs. cut off csg, weld on head & test to 1500 psi; ¾ hrs NU BOP.

Csg & cmt detail: Ran 47 jts, 8-5/8", 24#, K-55, ST&C = 2009.85' w/ float shoe & float collar set @ 2029'. Landed csg @ 2010' KB. Circ & work pipe 1 hr. RU HOWCO. Cmt w/700 sx HOWCO Lite + 10#gilsonite/sk + ¼# flocele/sk mixed @ 12.4ppg. Tailed w/225 sx Class B + ¼# flocele/sk + 2% CaCl₂. Wt. = 15.6 ppg. Dropped plug on fly. Displaced w/124.5 BBL fresh wtr. Bumped plug w/1800 psi. POB @ 2:45 PM 9-11-82. Good returns during entire job w/good cmt returns. Grouted annulus @ 70' w/75 sx Class B + ¼# flocele/sk + 2% CaCl₂ w/good returns. Four centralizers set @ 1988', 1925', 1841', & 1757'. One cmt basket set @ 1127'.

Cum Cost: \$184,602

Daily Cost: \$52,732

9-13-82 2305', drlg, made 283'. 24 hr. breakdown: 3¼ hrs. NU; 1½ hrs pr test blind rams, choke manifold to 1000 psi - OK; 2 hrs. PU 5 - 6½" DC, run DC & 1 stand of pipe in hole; ½ hr pr test pipe rams & kelly cock to 1000 psi - OK; ¾ hrs TIH, tag plug @ 1966'; 1-¾ hrs drill plug, float, cmt & shoe; 12½ hrs. drlg; 2 hrs wireline survey: 1¼° @ 2135', 1° @ 2229'. MW 8.6; vis 28; Cl 900 ppm; Ca 1000 ppm. Bit #3: 7-7/8", STC, F2 (12-12-12). In @ 2022', made 283' in 12½ hrs. @ 22.6'/hr. SN CZ 0086. Bit wt: 18-25M#, RPM 65, 950 psi pump pressure, SPM 112, GPM 324. BHA - bit, 17 - 6½" DC, 1 set drlg jars, 3 - 6½" DC. Length - 638.03'. Lith: Chinle fm - 80% shale, 20% sandstone. Drlg break - 2112'-2120'. No shows, shale, soft, silty, sandy.
Daily Cost: \$11,037 Cum Cost: \$195,639

9-14-82 2835', wireline survey, made 530'. 24 hr. breakdown: 20¼ hrs drlg; ¼ hr service rig; 1 hr rig repair - main air line to dwlks plugged; 2½ hrs wireline survey: 1° @ 2355', ¾° @ 2511', ¾° @ 2668', 1° @ 2825'. MW 8.8; vis 28; Cl 900 ppm; Ca 1100 ppm; chromates 300 ppm. Bit #3: 7-7/8", STC, F2 (12-12-12). In @ 2022', made 813' in 32-¾ hrs. @ 24.8'/hr. SN CZ 0086. Bit wt: 30M#, RPM 65, 1000 psi pump pr, SPM 110, GPM 319. BHA - same, 638.03'. Lith: 2800'-2810', sample - possibly Moen-copi fm, 100% shale: red brown, gray green, silty, calc. in part, tr of sandstone; 2-3"/ft., no shows.
Daily Cost: \$9,247 Cum Cost: \$204,886

9-15-82 3250' Drlg 7-7/8" hole. Made 415' in 19 hrs drlg; ¼ hr service rig; 3 hrs WL surveys: 1° @ 2828', ¾° @ 2981', ¾° @ 3171' - tool stopped in DP @ 2532' three times; 1-¾ hrs repair rotary chain. Drlg w/wtr, MW 8.9; vis 28; Cl 900 ppm; Ca 1200 ppm; chromates 400 ppm. Bit #3, 7-7/8" STC, F-2 (12-12-12) In @ 2022', drlg. Made 1228' in 51-¾ hrs, 23.7'/hr. S/N CZ 0086. Bit wt 30M#, 65 rpm; 1000 psi, 110 SPM, 319 GPM. BHA: same, 638.03'.
Lithology: Cutler fm 3190'-3200' 100% sh, red-br, grey-gr, soft-med, pyritic, calc in part, tr of ss.
Daily Cost: \$7,290. Cum. Cost: \$212,176.

9-16-82 3700', drlg, made 450'. 24 hr breakdown: 21-¾ hrs drlg; 2½ hrs survey: ½° @ 3325', ¼° @ 3514'. MW 8.8; vis 28. Bit #1: 7-7/8", STC, F2 (12-12-12). In @ 2022', made 1678' in 73½ hrs. @ 22.8'/hr. SN CZ 0086. Bit wt: 35M#, RPM 65, 1000 psi pump pr, SPM 110, GPM 319. BHA - same, 638.03'. Lith: Cutler fm, sample, 3640'-3650' - 100% sandstone. DB 3645'-3657', ½"/ft., no gas, no show. Present drlg rate: 2-3"/ft.
Daily Cost: \$7,936 Cum Cost: \$220,112

- SE SE Sec. 25-T35S-R25E, San Juan County, Utah PTD 6460' Desert Creek USA U-41512
(Buckhorn - 66.6667%WI BCP, 50.000%WI ACP) Cedar Point Prospect Coquina F.O. AFE BEW 220'
9-17-82 4117', drlg, made 417'. 24 hr. breakdown: 22½ hrs. drlg; 1½ hrs survey;
½ hr service rig. Surveys: ½° @ 3677', 1½° @ 3828 - misrun, ½° @ 3922'.
MW 8.8; vis 28. Bit #3: 7-7/8", STC, F2 (12-12-12). In @ 2022', made 2095'
in 95-3/4 hrs @ 21.8'/hr. SN CZ 0086. Bit wt: 32-35M#, RPM 65, 1050 psi
pump pr, SPM 110, GPM 319. BHA - same, 638.03'. Cutler fm: BGG 0, sample
4060'-4070' - 90% shale, 10% SS, no show.
Daily Cost: \$7,915 Cum Cost: \$228,027
- 9-18-82 4375', drlg, made 258'. 24 hr breakdown: 17-3/4 hrs drlg; ½ hr rig service;
5 hrs survey, POOH, SLM out-OK, TIH, work BOP; ½ hr circ bottoms up; ½ hr
wash & ream to bottom. Cutler fm, BGG 0, no shows, sample 4340'-4350' 90%
shale, 10% limestone. Surveys: 1° @ 4075', 1° @ 4243'. MW 8.7; vis 30;
WL N/C; pH 7; FC N/C; Cl 1000 ppm; Ca 600 ppm; sand ½%; solids 2%; chro-
mates 400 ppm. Bit #3: 7-7/8", STC, F2 (12-12-12). In @ 2022', out @
4243', made 2221' in 102-3/4 hrs @ 21.6'/hr. SN CZ 0086. Bit #4: 7-7/8",
Security, S86F (11-11-11). In @ 4243', made 132' in 10-3/4 hrs @ 12'/hr.
SN 973155. Bit wt: 35M#, RPM 65, 1250 psi pump pr, SPM 110, GPM 319.
BHA - same, 638.03'.
Daily Cost: \$9,341 Cum Cost: \$237,368
- 9-19-82 4744', survey, made 369'. 24 hr breakdown: 22½ hrs drlg; 1.5 hrs survey:
½° @ 4359', ½° @ 4516'. Cutler fm, BGG 4 units, sample 4670'-4680' 100%
shale. MW 9; vis 36; WL 11; pH 9; FC 2/32; Ca 800 ppm; Ca 150 ppm; sand-½%;
PV 8; YP 5; gel 1/11; solids 3¼%; chromates 500 ppm. Bit #4: 7-7/8", Se-
curity, S86F (11-11-11). In @ 4243', made 501' in 33¼ hrs @ 15'/hr.
SN 973155. Bit wt: 40M#, RPM 65, 1350 psi pump pr, SPM 110, GPM 319.
BHA - same, 638.03'.
Daily Cost: \$9,606 Cum Cost: \$246,974
- 9-20-82 4771', TIH w/test tool for DST #1: ~~4755'-4763'~~, Honaker Trail fm. Made 27'.
24 hr breakdown: 1-3/4 hrs drlg & survey; 3/4 hrs circ sample; 10 hrs circ w/re-
duced pr for DST #1; 3/4 hrs ST 10 stands, hole clean; 2½ hrs circ for DST #1;
4 hrs POOH, SLM out-OK; 2 hrs. PU & make-up DST tool; 2½ hrs TIH-w/ DST #1.
Honaker Trail, BGG 4 units, DB 4755'-4763' 880 units, 70% sandstone, 20% lime-
stone, 10% shale. Survey: 3/4° @ 4704'. MW 9.1; vis 38; WL 12; pH 9; FC 2/32;
Cl 1000 ppm; Ca 150 ppm; sand-tr; PV 6; YP 5; gel 1/8; solids 3%; chromates
400 ppm. Bit #4: 7-7/8", Security, S86F (11-11-11). In @ 4243', out @ 4771',
made 528' in 35 hrs @ 15'/hr. SN 973155. Pump #1: 1350 psi pump pr, SPM 110,
GPM 319. Pump #2: 950 psi pump pr, SPM 90, GPM 261. BHA - same, 638.03'.
Daily Cost: \$8,130 Cum Cost: \$255,104
- 9-21-82 4900', drlg, made 129'. 24 hr breakdown: 1 hr TIH w/test tool; ½ hr
RU floor manifold; 4-3/4 hrs testing DST #1; 2 hrs unseat pkr, POOH;
2 hrs breakdown & load out test tool; 1-3/4 hrs TIH; ½ hr circ bottoms
up; 11-3/4 hrs drlg & survey. MW 9; vis 35; WL 11.2; pH 10; FC 2/32; Cl 1000pp
Ca 80 ppm; sand-tr; PV 7; YP 6; gel 1/9; solids 3%; chromates 500 ppm.
Bit RR#4: 7-7/8", Security, S86F (11-11-11). In @ 4243', made 657' in 46-3/4
hrs @ 14'/hr. SN 973155. Bit wt: 40M#, RPM 65, 1350 psi pump pr, SPM 110,
GPM 319. BHA - same, 638.03'. DST #1: Honaker fm, 4722'-4771',
30"-60"-60"-120", rec'd 20' DM. Res. 186 @ 74°. Sample Chamber: 1500 cc
DM @ 25 psig. IO: Immediate bubble, inc. to bottom of bucket in 1", inc. to
26 oz. in 30". ISI: Blew dead in about 18", dead throughout rest of SI.
FF: Immediate blow to bottom of bucket. Inc. to 4# on 1/8" surf choke &
3/4" choke on bottom. NGTS. FSI: Died in 26", dead throughout rest of SI.
IFP 54-54 psi FFP 54.4-54.4 psi ISIP 757.4 psi FSIP 1404 psi (still bldg)
IHP 2169 psi FHP 2169 psi. BHT - 115° F. Honaker Trail sample: 4840'-
4850' 100% limestone, no show, no flor., no cut. BGG 1 unit. Trip gas -
circ bottoms up, 880 units.
Daily Cost: \$11,918 Cum Cost: \$267,022
- 9-22-82 5200', drlg, made 300'. 24 hr. breakdown: 1½ hrs. wireline survey
misrun; 1½ hrs. wireline survey: 3/4° @ 4926', 3/4° @ 5083';
20½ hrs. drlg; 1 hr. circ. samples @ 5123'. DB 5117-5123', 206
unit kick. MW 9.2, VIS 35, pH 9, WL 15.2, FC 2/32, Cl 1000, Ca 800,
sand-tr, solids 4½%, PV 7, YP 5, gel 1/6, chromates 500 ppm.
Bit #RR4: 7-7/8" Security, S86F (11-11-11). In at 4243', made
957' in 67 hrs. @ 14.2'/hr. SN 973155. Bit wt: 40M#, RPM 65,
1400 psi pump pr, SPM 110, GPM 319. BHA - same, 638.03'.
Lithology: Fm Honaker Trail 5140-50', 50% limestone, ss,
white-light gray, compact. 50% sh, br-red br-gray, soft-firm,
silty, calc, limey in part. DB 5117-5123', 60% ss, clear-white-gray,
fine-coarse, consolidated-unconsolidated in part, calc. 10%
limestone, light gray-dark gray-white, compact. 30% sh, br-red br-
orange, soft-firm, silty, calc in part, no flow-no cut. BGG 0-4
units.
Daily Cost \$8,190 Cum. Cost \$275,212

**DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

TYPE OF WORK
 DRILL DEEPEN PLUG BACK

TYPE OF WELL
 R. WELL CAS. WELL OTHER SINGLE ZONE MULTIPLE ZONE

NAME OF OPERATOR
 Black Hawk Resources Corporation

ADDRESS OF OPERATOR
 9 18th St. STE 1101 One Denver Place Tower II Denver, CO 80202

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 350 FEL & 1245 FSL

Is proposed prod. zone
 Same

DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 3 miles southwest of Dove Creek, CO

DISTANCE FROM PROPOSED LOCATION* TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 350

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

ELEVATIONS (Show whether DF, RT, GR, etc.)
 6679

5. LEASE DESIGNATION AND SERIAL NO.
 U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Cedar Point Federal

9. WELL NO.
 #1-25

10. FIELD AND POOL, OR WILDCAT
 W/C

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 25 T35S-R25E

12. COUNTY OR PARISH 13. STATE
 San Juan UT

RECEIVED
 DIVISION OF OIL, GAS, AND MINING
 JAN 22 1982

16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL
 980 160

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS
 6400 Rotary

22. APPROX. DATE WORK WILL START*
 March 1, 1982

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	2000	800 SX
7 7/8	5 1/2	15.5	6400	400 SX

complete NTL-6 including the 10 Point Drilling Prognosis and the 13 Point Surface e Plan is made part of this application.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 5/10/82
 BY: [Signature]

*received
1-22-82*

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 enter program, if any.

SIGNED Roger A. Bureau TITLE Operations Manager DATE 1-14-82
 Roger Bureau

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



MINERALS MANAGEMENT
SERVICE
OIL & GAS OPERATIONS
3400 Anasazi Tower, Denver, Colorado 80202
RECEIVED

RIG 76

AUG 25 1992
SALT LAKE CITY, UTAH
RATED DEPTH CAPACITY 10,000 FEET (4 1/2")

DRAWWORKS: Gardner-Denver 500 - 650 HP Drawworks with 2-Engine Compound
Parmac V80 Hydromatic Brake
1 1/8" Drilling Line

RIG POWER: 2 Caterpillar D-353-TA Diesel Engines (400 HP each at 1200 rpm)

**DERRICK &
SUBSTRUCTURE:** 131' Dreco 500,000# GNC with 12' Substructure

MUD PUMPS: Gardner-Denver PZ8 Triplex rated at 750 Input HP
independently driven by Caterpillar D-398-TA Engine

MUD SYSTEM: 1 Steel Tank (550 BBLs. Capacity)
Brandt Single Screen Shale Shaker
Baroid Mud Cleaner
Sidewinder Mud Mixer

BOP EQUIPMENT: 10" 3000# WP Double Gate Preventer
2" Choke Manifold
Kelly Cock (Upper)
40 Gallon Accumulator

WATER TANK: 450 BBLs. Capacity

LIGHT PLANT: 250 KW Generator with Caterpillar 3408 Engine

**TRAVELING
EQUIPMENT:** Gardner-Denver 4 Sheave 200 Ton Block-Hook Combination
Gardner-Denver 200 Ton Swivel

**ROTARY
EQUIPMENT:** 22 1/2" Gardner-Denver Rotary Table

DRILL STRING: 4 1/2" 16.60# Grade "E" Drill Pipe
Drill Collars as required

OTHER: Rotary Torque Gauge Recorder
Automatic Driller 8,400 Gallons Diesel Storage
Crown-O-Matic Toolpusher Trailer House
Air Hoist Independent Wire Line Unit

3. General drainage is : West into canyon lands.

Nearest occupied site (within 5 miles) 2 miles east.

Archeological Sites: South of Location

Historical Sites: None.

12. OPERATORS REPRESENTATIVES

Rod Smith, Drilling Engineer
Dome Tower, Suite 1200
1625 Broadway
P.O. Box 5928, T.A.
Denver, Colorado 80217
Office: (303)825-4771
Home: (303)278-2323

D.D. 'Curley' Grimlie
Manager of Operations

Home: (303)238-9950
Mobile: (303) 628-7550

Ken Hayes - on location

16-25 CEDAR POINT FEDERAL

MINERALS MANAGEMENT SERVICE
OIL & GAS OPERATIONS
RECEIVED
AUG 25 1982
SALT LAKE CITY, UTAH
8-41512 SURFACE USE PLAN

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 that 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 operations proposed herein will be performed by Buckhorn Petroleum Co. and its contractors and subcontractors in conformity with this plan and the conditions under which it is approved.

8-23-82

Date



D. D. 'Curley' Grimlie
Manager of Operations
Buckhorn Petroleum Co.

DDG/db
8/19/82

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company BHRC, Inc. Well No. 1-25
Location Sec. 25-355-25E Lease No. U-41512

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Supervisor must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a follow-up report on form 9-331 should be filed when all surface restoration work has been completed and the location is considered ready for final inspection.

EDD:ATW

The Minerals Management Service office address and contacts are:

Address: 2000 Administration Building, 1745 West 1700 South, SLC, Utah 84104-3884

Office Phone: (801) 524-4590

District Supervisor E. W. Gynn Home Phone: (801) 582-7042

District Drilling Engineer W. P. Martens Home Phone: (801) 466-2780

District Production Engineer R.A. Henricks Home Phone: (801) 484-2294

Staff Engineer A.M. Raffoul Home Phone: (801) 484-2638

7. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operation Standards for Oil and Gas Exploration and Development." This includes but is not limited to such items as road construction and maintenance, handling of top soil and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed, for prior approval of the District Supervisor, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Supervisor's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact the Surface Management Agency 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, it is required that a new application be filed for approval for any future operations.
11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
BUCKHORN PETROLEUM CO.

3. ADDRESS OF OPERATOR
P. O. Box 5928 T.A.; Denver, CO 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1245' FSL & 350' FEL Sec. 25-35S-25E
AT SURFACE: San Juan County, Utah
AT TOP PROD. INTERVAL: Approx. Same
AT TOTAL DEPTH: Approx. Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>

(other) Change of Operation * and well number from #1-25 to #16-25 ~~X 1-25~~ (6-25)

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.)*

Buckhorn Petroleum Co. hereby accepts from Black Hawk Resources Corp. dba BHRC, Inc. the duties of Operator with respect to the subject well and location.

Please note that the location as staked was incorrectly shown on BHRC's APD attachments as NE SE (should be SE SE).

At this time we anticipate an approximate 9-05-82 spud using Brinkerhoff-Signal Rig 76. A copy of the equipment inventory including BOPs for this rig is attached.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED D. D. Curley TITLE Mgr. of Operations DATE August 23, 1982

(This space for Federal or State office use)

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

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

DATE: 8-25-82
BY: [Signature]

5. LEASE
U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
CEDAR POINT FEDERAL

9. WELL NO.
1-25 (16-25*)

10. FIELD OR WILDCAT NAME
Wildcat/Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE SE SE
Sec. 25-T35S-R25E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.
43-037-30786

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6679' GL; est KB 6692'

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

WELL FILE

7

SE SE Sec. 25-T35S-R25~~2~~, San Juan County, Utah PTD 6460 Desert Creek USA U-41512
(Buckhorn - 66.6667%WI BCP, 50.000%WI ACP) Cedar Point Prosp. Coquina F.O. AFE BEW 2200
9-23-82 5515', drlg, made 315'. 24 hr. breakdown: 23½ hrs. drlg. from
5200-5515', ½ hr. wireline survey: 3/4° @ 5239'. MW 9.2, VIS 36,
WL 15.2, pH 8, FC 2/32, Cl 1000, Ca 150, sand-tr, PV 7, YP 5,
gel 2/11, solids 4%, chromates 400 ppm. Bit RR#4: 7-7/8"
Security S86F (11-11-11). In at 4243', made 1272' in 90½ hrs.
14'/hr. SN 973155. Bit wt: 40M#, RPM 65, 1450 psi pump pr,
SPM 110, GPM 319. BHA - same 638.03'. BGG 3 units.
5273'-79', 46 unit kick, Cl 37.5; 5284-86', 71 unit kick,
Cl 41.6, C2 50; 5305-13', 800 unit kick, Cl 83.3, C2 41.6,
C3 41.1. Honaker fm 5470-80' 100% limestone. Sample description:
5273-70' 80% ss, 10% sh-limestone; 5284-86' 60% ss, 30% sh, 10%
limestone; 5305-13' 40% ss, 40% sh and 20% limestone. No flor-
no cut.
Daily Cost \$13,590 Cum. Cost \$288,802

9-24-82 5769', drlg, made 254'. 24 hr. breakdown: 17½ hrs. drlg,
½ hr. rig service, 6½ hrs. drop survey, trip for new bit, broke
circ at 4500', wash 40' to bottom. Survey: 1° @ 5719'. MW 9.2,
VIS 38, WL 15, pH 7, FC 2/32, Cl 1000, Ca 140, sd-tr, PV 10,
YP 13, gel 2/8, solids 4½%, chromates 400 ppm. Bit #RR4:
7-7/8" Security S86F (11-11-11). In at 4243', out at 5719',
broken & missing inserts. Made 1476' in 103½ hrs. 14.2'/hr.
Bit #5: 7-7/8" Reed FB53 (11-11-11). In at 5719', made 50'
in 4¼ hrs. 11.7'/hr. SN A18953. Bit wt: 40M#, RPM 65,
1450 psi pump pr, SPM 110, GPM 319, BHA - same, 638.03'.
BGG 1-8 units. Trip gas 10 units @ 5719'. Samples: Honaker fm
5720-30', 100% limestone, no flor-no cut. Shows: 5763-64',
16 units gas, Cl 62.5, 100% limestone; 5770-72', 18 units gas,
Cl 62.5, 100% limestone; 5572-73', 5 units gas, Cl 25, 100%
limestone; 5602-04', 25 units gas, Cl 25, 100% limestone, tr
of sh; 5631-37', 27 units gas, Cl 41.6, 60% sh, 40% limestone;
5749-50', 77 units gas, Cl 77, 70% limestone, 30% sh;
5784-86', 52 units gas, Cl 56.29, 80% limestone, 20% sh;
5698-5702', 50 units gas, Cl 37.5, 90% limestone, 10% sh,
no flor-no cut.
Daily Cost \$12,731 Cum. Cost \$301,533

RECEIVED
SEP 28 1982

DIVISION OF
OIL, GAS & MINING

Utah Exploratory Wells

Buckhorn - #16-25 Cedar Point Federal (Contractor - Brinkerhoff-Signal Rig 76)
Spud 9-5-82

SE SE Sec. 25-T35S-R25E, San Juan County, Utah PTD 6460' Desert Creek USA U-41512
(Buckhorn - 66.6667%WI BCP, 50.000%WI ACP) Cedar Pt. Prosp. Coquina F.O. AFE BEW 2200

9-26-82 5976', drlg, made 72'. 24 hr. breakdown: 2½ hrs. rig repairs, 1½ hr. TIH w/tst tool; 3-¾ hrs. TIH w/bit-& junk sub, broke circ @ 4500', put 2 new valves in #1 pump; 5 hrs. testing; 2½ hrs. POOH w/ test #2; 2 hrs. unload sampler, break down and load out tools; ½ hr. wash 35' to bottom; 6½ hrs. drlg 5904-5976'. Survey: 1° @ 5904'. MW 9.2, VIS 36, WL 16, pH 18, FC 2/32, Cl 1400, Ca 120, sd-tr, solids 5%, PV 10, YP 5, gel 1/8, chromates 200 ppm. Bit #RR5: 7-7/8" RTC FP53 (11-11-11). In at 5719', made 257' in 19 hrs. 13.5'/hr. Bit wt: 40,000#, RPM 65, 1450 psi pump pr. BHA - bit, junk sub, 17 - 6½" DCs, drlg jars, 3 - 6½" DCs. Honaker Trail & Ismay fm BGG 5-10 units, trip gas 77 units @ 5904', BGG 20 units @ 5942'. Sample: 5930-40' 5% limestone, 10% sh, no flor-no cut. DST #2: 5865-5904', Lower Honaker Trail, open hole test. Times 30-60-60-120. Preflow 30 min. open @ 12:25 PM, weak blow. SI 60 min. @ 12:56PM, blow dead in 18 min. No GTS. Second flow 60 min. open @ 1:55PM immediate blow to bottom of bucket. Flare 3', lazy, rolling upward continued to end of flow. SI 120 min. @ 2:55PM Flare dead in 35 min. Unseat pkr @ 4:56PM. POOH. Rec. 920' fluid, 180' DM slightly gas & SW cut, 740' SW slightly gas cut. Top chart: 5844' IHP 2843#, IFP 54-161, FFP 214-348, ISIP 2125, FSIP 2138, FHP 2789. Bottom chart: 5901' IHP 2855, IFP 53-185, FFP 238-369, ISIP 2165, FSIP 2191, FHP 2829. BHT 130°. Daily Cost \$11,462 Cum. Cost \$325,641

9-27-82 6265', drlg, made 189'. 24 hr. breakdown: 23-¾ hrs. drlg from 5976-6265'; ¼ hr. rig service. MW 9.2, VIS 38, WL 14, pH 11, FC 2/32, Cl 4200, Ca 340, sd-tr, solids 4½%, PV 10, YP 5, gel 1/11, chromates 400 ppm. Bit #RR5: 7-7/8" RTC FP53 (11-11-11). In at 5719', made 546' in 40-¾ hrs. 13.3'/hr. Bit wt: 40,000#, RPM 65, 1450 psi pump pr, BHA - same. Ismay fm BGG 5-90 units, connection gas 18 units @ 5972'. BGG 19 units @ 6030', 44 units @ 6046', 38 units @ 6164' and 53 units @ 6194'. Kick 6095-99' 100 units Cl 72.7. Sample: 6210-20' 70% limestone, 30% sh, no flor-no cut. Weather: Snow and some rain, showering at report time. Daily Cost \$9,690 Cum. Cost \$335,331

9-28-82 6386', core #1, made 26'. 24 hr. breakdown: 7 hrs. drlg 6265-6360'; 2 hrs. circ samples and cond mud; 1 hr. POOH PU core bbl; 1 hr. repair rotary chain; 2½ hrs. finish POOH, SLM O.K., clean out junk sub, very little junk; 1-¾ hrs. PU, make up core bbl; 3½ hrs. TIH w/core bbl; ½ hr. wash 50' to btm; 5 hrs. coring 6360-86'. MW 9.2, VIS 37, WL 13, pH 12, FC 2/32, Cl 1200, Ca 120, sd-tr, solids 4½%, PV 8, YP 5, gel 3/12, chromates 300 ppm, methylmane blew test 10# bentanite/bbl. Bit RR5: 7-7/8" RTC FP 53 (11-11-11). In at 5719', out at 6360', made 641' in 47-¾ hrs. 13.4'/hr. SN A18953. Pulled core. Bit #6: 7-7/8" ACC Diamond. In at 6360', made 26' in 5 hrs. 5.2'/hr. Bit wt: 20,000#, RPM 65, 650 psi pump pr, SPM 85. BHA - core head, core bbl, changeover, jars, changeover, 18 - 6½" DCs. Length 619.43'. Tops: Ismay 5917', Gothic Sh 6278', Desert Creek 6334', core point 6360'. BGG 5-8 units. Connection gas 60 units @ 6318', trip gas 26 units @ 6360'. Shows: 6231-37', 38 units, Cl 90.90. 6243-45', 60 units, Cl 90.90, C2 31.25. 6271-77', 71 units, Cl 54, C2 30. 6283-84', 85 units, Cl 90, C2 37.5. Desert Creek fm. Daily Cost \$10,686 Cum. Cost \$346,017

Utah Exploratory Wells

Buckhorn - #16-25 Cedar Point Federal (Contractor - Brinkerhoff-Signal Rig 76)
Spud 9-5-82

SE SE Sec. 25-T35S-R25E, San Juan County, Utah PTD 6460' Desert Creek USA U-41512
(Buckhorn - 66.6667%WI BCP, 50.000%WI ACP) Cedar Pt. Prosp. Coquina F.O. AFE BEW 2200
9-29-82 6466', running electric logs, made 34' coring, 46' drlg.

24 hr. breakdown: 4-3/4 hrs. core #1 6386-6420'; 1/2 hr. mix and pump pill; 2-3/4 hrs. POOH w/core #1; 1 1/2 hr. LD core, rec. 52'; 1 hr. break and LD core bbl; 2-3/4 hrs. TIH w/bit; 1/2 hr. wash to btm; 3 1/2 hrs. drlg 6420-66'; 2 1/2 hrs. circ to log; 3 hrs. POOH to log; 1-3/4 hrs. RU loggers and log well. MW 9.2, VIS 41. Bit #6: 7-7/8" ACC diamond, in at 6360', out at 6420', made 60' in 9-3/4 hrs. 6.1'/hr. Bit RR#5: 7-7/8" RTC FP 53 (11-11-11). In at 5719', out at 6466', made 747' in 51-1/4 hrs. 14.5'/hr. SN A18953. TD hole. BHA - bit, 17 - 6 1/2" DCs, jars, 3 - 6 1/2" DCs. Length 638.03'.
Core: 6360-64' Anhydrite
6364-83' Shale
6383-90' Anhydrite
6390-92' Shale
6392-97' Anhydrite
6397-6409' Shale
6409-13' Shale
6413-20' 7' lost in hole.

Top of Ikah fm @ 6409'. First log went to btm. Top of salt 6462'. BGG 5-100 units. Trip gas 25 units @ 6360'.
6374' 18 units C1 79.54; 6378' 122 units C1 45.45;
6402-06' 70 units C1 54.5, C2 33.3, C3 46.6, C4 47.2, C4N 47.5;
6421-26' 123 units C1 136.36, C2 93.75. Ikah fm.
Sample: 6460-66' 100% shale. No flor-no cut.

Daily Cost \$10,077 Cum. Cost \$356,094

9-30-82 6466' TD, plugging hole. 24 hr. breakdown: 8 hrs. electric logs (Schlumberger); 1-3/4 hrs. run DCs in hole, LD same; 4 1/2 hrs. WOO; 2-3/4 hrs. TIH to plug; 3 hrs. circ; 4 hrs. plug hole and LDDP.

Plug #1 6466'-6280' 55 sx.

Plug #2 6100'-5900' 55 sx.

Plug #3 4100'-3900' 55 sx.

Release logging unit @ 6:00 p.m. 9-29-82.

Daily Cost \$33,270 Cum. Cost \$389,364

10-1-82 RD. 3 1/2 hrs. Finish plugging & LDDP. 6-3/4 hrs. clean pits, drain pumps, strip cellar, RD.

Plug #4 2100-1900' 55 sx. 50:50 poz.

Plug #5 Top plug 10 sx. 50:50 poz.

RIG RELEASED @ 6:00 P.M. on 9-30-82. P&A'd. FINAL REPORT.

Daily Cost \$7,357 Cum. Cost \$396,721

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
BUCKHORN PETROLEUM CO.

3. ADDRESS OF OPERATOR
P. O. Box 5928 T.A.; Denver, CO 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1245' FSL & 350' FEL(SE SE) 25-35S-25E
AT SURFACE: San Juan County, Utah
AT TOP PROD. INTERVAL: Approx. Same
AT TOTAL DEPTH: Approx. Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
CEDAR POINT-FEDERAL

9. WELL NO.
1-25 (BPC #16-25)

10. FIELD OR WILDCAT NAME
Wildcat/Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE SE SE
Sec. 25-T35S-R25E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.
43-037-30786

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6679' GL; 6692' KB

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) Report of Operations thru 9-25-82

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give completion dates, including estimated date of starting any proposed work. If well is directional, include surface locations and measured and true vertical depths for all markers and zones pertinent to this well.)

RECEIVED
OCT 06 1982

Please see attached recap.

NOTE: Copies of in-depth daily activity reports have been mailed weekly to the District Engineer.

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Rodney D. Smith TITLE Petroleum Engineer DATE October 1, 1982

(This space for Federal or State office use)

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

U-41512
BUCKHORN PETROLEUM CO.
#1-25 (BPC #16-25) Cedar Point-Federal
NE SE SE Sec. 25-T35S-R25E
San Juan County, Utah

Activity Report thru 9-25-82
Attached to and made a part of Sundry Notice dated 10-1-82

Well was spud at 4:00 p.m. 9-5-82. Drilled 12 $\frac{1}{4}$ " surface hole to 380' with fresh water; converted to gel/LCM mud system on 9-6-82 at 380' due to lost circ problems at 165' and 380'.

At 8:00 a.m. 9-11-82, depth was 2022, 12 $\frac{1}{4}$ " hole, preparing to run surface casing. Ran 47 jts of 8-5/8", 24#, K-55, ST&C casing with float shoe and float collar. Set at 2010' KB and cemented with 925 sx total. PD at 2:45 p.m. 9-11-82; had good returns. Grouted annulus at 70' KB with an additional 75 sx cmt.

WOC, tested casinghead to 500 psi; NU and tested BOP stack to 1000 psi. Tagged cement at 1966', drilled out cement at 3:45 p.m. 9-12-82; and resumed drilling, 7-7/8" hole, at 5:30 p.m. 9-12-82.

At 8:00 a.m. 9-16-82, depth was 3700', drilling ahead in the Cutler fm. At 8:00 a.m. 9-20-82, depth was 4771', TIH for DST #1, Honaker Trail. Recovered 20' drilling mud from interval 4722'-4771'. Sample chamber contained 1500 cc drilling mud at 25 psi.

Resumed drilling at 8:15 p.m. 9-20-82.

At 8:00 a.m. 9-25-82, depth was 5904', preparing to run DST #2, lower Honaker Trail. Recovered 180' of slightly gas- and salt water-cut drilling mud and 740' of slightly gas-cut salt water from the interval 5865'-5904'. Sample chamber contained .75 cfg @ 60 psi and 150 cc gas-cut water.

Copies of in-depth daily activity reports have been mailed weekly to the District Engineer.

RDS/bb
10-1-82

R.S.



3400 Anaconda Tower, Denver, Colorado 80202

RATED DEPTH CAPACITY 10,000 FEET (4 $\frac{1}{2}$ ")

DRAWWORKS: Gardner-Denver 500 - 650 HP Drawworks with 2-Engine Compound
Parmac V80 Hydromatic Brake
1 1/8" Drilling Line

RIG POWER: 2 Caterpillar D-353-TA Diesel Engines (400 HP each at 1200 rpm)

**DERRICK &
SUBSTRUCTURE:** 131' Dresco 500,000# GNC with 12' Substructure

MUD PUMPS: Gardner-Denver PZ8 Triplex rated at 750 Input HP
independently driven by Caterpillar D-398-TA Engine

MUD SYSTEM: 1 Steel Tank (550 BBLs. Capacity)
Brandt Single Screen Shale Shaker
Baroid Mud Cleaner
Sidewinder Mud Mixer

BOP EQUIPMENT: 10" 3000# WP Double Gate Preventer
2" Choke Manifold
Kelly Cock (Upper)
40 Gallon Accumulator

WATER TANK: 450 BBLs. Capacity

LIGHT PLANT: 250 KW Generator with Caterpillar 3408 Engine

**TRAVELING
EQUIPMENT:** Gardner-Denver 4 Sheave 200 Ton Block-Hook Combination
Gardner-Denver 200 Ton Swivel

**ROTARY
EQUIPMENT:** 22 $\frac{1}{2}$ " Gardner-Denver Rotary Table

DRILL STRING: 4 $\frac{1}{2}$ " 16.60# Grade "E" Drill Pipe
Drill Collars as required

OTHER: Rotary Torque Gauge Recorder
Automatic Driller 8,400 Gallons Diesel Storage
Crown-O-Matic Toolpusher Trailer House
Air Hoist Independent Wire Line Unit

October 6, 1982

Sabine Production Company
Attn: Sue 303-832-3666
1670 Broadway, Suite 3500
Denver, Colorado 80202

RE: Correlative Rights
Sec. 30, T. 35S, R. 26E
San Juan County, Utah

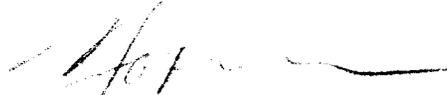
Dear Sue:

This will confirm our telephone conversation of October 5, 1982 wherein you expressed concern that the Buckhorn Petroleum Cedar Point Federal 1-25 well located 1245' FSL, 350' FEL of SESE Sec. 25, T. 35S, R. 25E, San Juan County, Utah is not the normal 500 feet distance from the Sabine Production Company lease of the Woodpecker Prospect in Sec. 30, T. 35S, R. 26E.

Please be advised the location of Cedar Point Federal 1-25 was permitted for topographic exception, and that an offset location 350' FWL of Section 30 is hereby authorized in the interest of correlative right, should the Cedar Point Federal 1-25 complete in a producing status.

Please attach a copy of this communication to any Application for Permit to Drill in connection with this offset authorization.

Respectfully,



Norm Stout
Administrative Assistant

NS/as
cc: Buckhorn Petroleum

Approved
Clara B Feighofer

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
BUCKHORN PETROLEUM CO.

3. ADDRESS OF OPERATOR
P.O. Box 5928 T.A.; Denver, CO 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1245' FSL & 350' FEL(SE SE) 25-35S-25E
AT SURFACE: San Juan County, Utah
AT TOP PROD. INTERVAL: Approx. Same
AT TOTAL DEPTH: Approx. Same

5. LEASE
U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
CEDAR POINT-FEDERAL

9. WELL NO.
1-25 (BPC #16-25)

10. FIELD OR WILDCAT NAME
Wildcat/Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE SE SE
Sec. 25-T35S-R25E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.
43-037-30786

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6679' GL; 6675' Graded; 6687' KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(other)	<input type="checkbox"/>	<input type="checkbox"/>

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The well was plugged for abandonment as follows:

55 sx cmt plug	6466'-6280'	Desert Creek
55 sx cmt plug	6100'-5900'	Ismay
55 sx cmt plug	4100'-3900'	isolate Honaker Trail
55 sx cmt plug	2100'-1900'	across base surf csg
10 sx cmt plug	+35'-surf w/regulation	Dry Hole Marker

You will be notified when the location has been cleaned up and is ready for inspection. Site restoration will be accomplished as approved by BLM & MMS.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Rodney D. Smith TITLE Petroleum Engineer DATE October 11, 1982

(This space for Federal or State office use)

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

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other DRY

2. NAME OF OPERATOR
BUCKHORN PETROLEUM CO.

3. ADDRESS OF OPERATOR
P.O. Box 5928 T.A.; Denver, CO 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1245' FSL & 350' FEL(SE SE) 25-35S-25E
AT SURFACE: San Juan County, Utah
AT TOP PROD. INTERVAL: Approx. Same
AT TOTAL DEPTH: Approx. Same

5. LEASE
U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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8. FARM OR LEASE NAME
CEDAR POINT-FEDERAL

9. WELL NO.
1-25 (BPC #16-25)

10. FIELD OR WILDCAT NAME
Wildcat/Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE SE SE
Sec. 25-T35S-R25E.

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.
43-037-30786

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6679' GL; 6675' Graded; 6687' KB

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REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>		<input type="checkbox"/>
(other)			

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

DST #1 rec'd 20' of drlg mud from the Honaker Trail 4722'-4771'. DST #2 rec'd 180' GC&SWC drlg mud & 740' GCSW from the lower Honaker Trail 5865'-5904'. Combustible gas was not present in commercial quantities. Core #1 showed only 6" of 10% porosity in the Desert Creek. Logs confirmed non-commercial quantities of gas in the lower Honaker Trail, and little to no porosity throughout all possible objective zones, indicating off-mound facies. Therefore, Buckhorn Petroleum Co. et al proposes to plug and abandon the well as follows:

55 sx cmt plug	6466'-6280'	Desert Creek
55 sx cmt plug	6100'-5900'	Ismay
55 sx cmt plug	4100'-3900'	isolate Honaker Trail
55 sx cmt plug	2100'-1900'	across base surf csg
10 sx cmt plug	±35'-surf w/regulation	Dry Hole Marker

Verbal approval to plug was granted to 'Curley' Grimlie by Bill Martens (MMS) and confirmed by Ron Firth (State of Utah) in telephone conversations 9-30-82 (5:30 p.m.)

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

SIGNED Rodney D. Smith TITLE Petroleum Engineer DATE October 11, 1982

(This space for Federal or State office use)

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

BUCKHORN PETROLEUM CO.
16-25 CEDAR POINT FEDERAL
SESE SEC. 25, T35S-R23E
SAN JUAN COUNTY, UTAH

RECEIVED
OCT 20 1982

DIVISION OF
OIL, GAS & MINING

SMITH MUD LOGGING
352 2275 ROAD
DELTA, COLORADO 81416
Ph: (303) 874-7451

BUCKHORN PETROLEUM CO.
16-25 CEDAR POINT FEDERAL
SESE SEC. 25, T35S-R25E
SAN JUAN COUNTY, UTAH

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2. Bit Record Sheet	2
3. Deviation Record Sheet	3
4. DST & Show Sheets	4-19
5. Core Description	20

(1) COPY, FINAL MUD LOG (5"=100')
(1) COPY, FINAL MUD LOG (2.5"=100')

DRILLING CONTRACTOR: BRINKERHOFF #76

DRILLING FOREMAN: MR. KEN HAYES

PUSHER: MR. ART JENSEN

GEO-TECHNOLOGISTS: MR. JERRY DAVIS
MR. DREW BAVIN
MR. GEOFF ROSE
SMITH MUD LOGGING
DELTA, COLORADO

DRILLING FLUID: MR. JIMMY MORRIS
MR. GARY KNOTHE
AMERICAN MUD CO.
DENVER, COLORADO

DRILL STEM TESTS: TEST #1 MR. HOWARD BILL
TEST #2 MR. DAVE DAVIS
HALIBURTON
FARMINGTON, NEW MEXICO

CORING: CORE #1 MR. THOMAS WHITFIELD
AGC
GRAND JUNCTION, COLORADO

WIRE LINE LOGS: MR. PETER FILEWAIND
SCHLUMBERGER
FARMINGTON, NEW MEXICO

GEOLOGIST: MR. RICHARD ROSS

BUCKHORN PETROLEUM CO.
 16-25 CEDAR POINT FEDERAL
 SESE SEC. 25, T35S-R25E
 SAN JUAN COUNTY, UTAH

SUMMARY OF DAILY ACTIVITY

DATE	ACTIVITY	MIDNITE DEPTH	24 HOUR FOOTAGE
09-12-82	BOP & Test, cut off casing, nipple up	2022	114
09-13-82	Drilling & Survey	2136	542
09-14-82	Drilling & Survey	2678	457
09-15-82	Drilling & Survey	3135	413
09-16-82	Drilling & Survey	3548	432
09-17-82	Drilling & Survey	3980	296
09-18-82	Drilling, Survey, Trip for bit	4276	365
09-19-82	Drilling	4641	130
09-20-82	Trip for DST #1, Drilling	4771	37
09-21-82	Drilling & Survey	4808	302
09-22-82	Drilling	5110	304
09-23-82	Drilling	5414	305
09-24-82	Drilling & Trip for bit	5719	185
09-25-82	DST #2	5904	0
09-26-82	Complete DST #2 & Drilling	5904	260
09-27-82	Drilling	6164	196
09-28-82	Drilling, Core #1	6360	93
09-29-82	Drilling	6453	

BUCKHORN PETROLEUM CO.
 16-25 CEDAR POINT FEDERAL
 SESE SEC. 25, T35S-R25E
 SAN JUAN COUNTY, UTAH

BIT RECORD

BIT#	MAKE	SIZE	TYPE	DEPTH	FOOTAGE	HOURS
				OUT	USED	
1	STC	12 1/4	F-3	1271	1223	76 1/4
2	STC	12 1/4	F-2	2020	749	31
3	STC	7 7/8	F-2	4243	2223	103 1/4
4	SEC	7 7/8	S86F	4771	528	35
5	SEC	7 7/8	RR 4	5719	948	57 1/4
6	REED	7/78	FP53	5904	185	12 1/2
7	REED	7 7/8	RR 6	6360	456	47 3/4
8	ACC	CORE #1	FM FLASH	6420	60	9
9	REED	7 7/8	FP53	6466	46	3 1/2

BUCKHORN PETROLEUM CO.
 16-25 CEDAR POINT FEDERAL
 SESE SEC. 25, T35S-R25E
 SAN JUAN COUNTY, UTAH

DEVIATION RECORD SHEET

DEPTH	DEVIATION(Deg)
98	0.50
763	0.50
980	0.75
1040	0.75
1261	0.75
1420	0.75
1702	1.00
1826	1.00
2135	1.25
2239	1.00
2355	1.00
2511	0.75
2668	0.75
2828	1.00
2981	0.75
3130	0.00
3211	0.75
3335	0.50
3514	0.25
3672	0.25
3828	1.25
3927	0.50
4075	1.00
4212	1.00
4359	0.50
4516	0.50
4700	0.75
4860	MISFIRE
4926	0.75
5083	0.75
5239	0.75
5719	1.00
5904	1.00

SMITH MUD LOGGING
SHOW SHEET

SHOW # 1 INTERVAL: 4563 TO: 4570

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/18/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	2.5-4min/ft	1min/ft	2.5-4min/ft
TOTAL GAS UNITS	3.000	22.000	3.000
METHANE	0.010	38.900	0.010
ETHANE	0.010	5.750	0.010
PROPANE	0.010	10.300	0.010
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 60% Sandstone, clear, light orange, grey-green, unconsolidated to consolidated, firm cement, subround, subangular, slightly calcareous. 40% Shale, red-brown, orange, medium silty, smooth, sandy. Trace of Limestone, light, compact.

SAMPLE FLUO-CUT:

SHOW # 2 INTERVAL: 4610 TO: 4624

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/18/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	3-3.5min/ft	1-3min/ft	3-4min/ft
TOTAL GAS UNITS	1.000	3.000	1.000
METHANE	0.001	0.010	0.001
ETHANE	0.001	0.010	0.001
PROPANE	0.001	0.010	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 60% Shale, red, red grey green, medium to fair silty, slightly calcareous, sandy. 30% Sandstone, clear, white, consolidated to unconsolidated, fine to coarse grain, angular to subangular. Trace of Limestone, pink read brown tan orange, compact. Trace of Mica.

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST: MR. DREW BAVIN

PAGE 5
SMITH MUD LOGGING
DST & SHOW SHEET

SHOW # 3 INTERVAL: 4755 TO: 4763
 COMPANY: BUCKHORN PETROLEUM CO. DATE: 09/19/82
 WELL: 16-25 CEDAR POINT FEDERAL
 FIELD: CEDAR POINT

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	3min/ft	1min/ft	3min/ft
TOTAL GAS UNITS	3.000	880.000	3.000
METHANE	.0025	304.000	.0025
ETHANE	0.001	5.750	0.001
PROPANE	0.001	10.340	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 70% Sandstone, white, clear, grey, orange, consolidated, medium cement, medium to fine subround, subangular grain. 20% Limestone, white grey, compact. 10% Shale, red red-brown, orange, medium silty.
 SAMPLE FLUO-CUT:

DST #1	INTERVAL 4722	TO 4771	DATE: 09/20/82	
	TIME		PRESSURE (psi)	
	min.	top chart	bottom chart	
INITIAL HYDROSTATIC		2169	2169	
INITIAL OPEN	30	from 54.4 to 54.4	from 54.3 to 54.3	
INITIAL SHUT-IN	60	to 757.4	to 783.7	
SECOND OPEN	60	from 54.4 to 54.4	from 54.3 to 54.3	
SECOND SHUT-IN	120	to 1404.1	to 1404.1	
FINAL HYDROSTATIC		2169	2169	

BHT (F.): 115
 1ST FLOW: OPEN 926 AM. bottom bucket at 9:27AM-17oz. 9:33-18oz. 9:38-20oz. 9:42-21oz. 9:50-22oz. 9:58-22oz
 2nd FLOW: 1058-2#, 1107-2.5#, 1127-3#, 4# AT SHUT IN
 REMARKS :
 DRILL PIPE RECOVERY: 20' AIR OR GAS CUT MUD
 SAMPLE CHAMBER REC.: 1500 cc at 25 PSI

	WT	R/W	NITRATES	CHLORIDES	CHROMATES
	ppg		ppm	ppm	ppm
DRILL PIPE: top:	/	/	at . . . F. /	/	/
middle:	/	/	at . . . F. /	/	/
bottom:	/ 9.0	/	342at. 77. F. /	/ 1100	/ 400
SAMPLE CHMER:	/ 8.8	/	186at. 74. F. /	/ 1400	/ 400
PIT MUD:	/ 9.1	/	160at. 79. F. /	/ 1200	/ 500

(GAUGED FLOW:) .25 AND 125
 GEO-TECHNOLOGIST: MR. DREW RAVIN

SMITH MUD LOGGING
SHOW SHEET

SHOW # 4 INTERVAL: 5117 TO: 5123

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 1&-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE:

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	3.5-4.5min/ft	4min/ft	4-5min/ft
TOTAL GAS UNITS	1-2.000	206.000	1-2.000
METHANE	0.001	62.500	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 60% Sandstone, clear white grey, fine to coarse grain, consolidated to unconsolidated, in part calcareous. 30% Shale, brown, red brown, grey, soft to firm, silty, calcareous, limey in part.

SAMPLE FLUO-CUT:

SHOW # 5 INTERVAL: 5273 TO: 5279

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09-22-82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	3min/ft	2.5min/ft	3min/ft
TOTAL GAS UNITS	4.000	464.000	5.000
METHANE	0.001	37.500	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 80% Sandstone, white grey clear black, consolidated, medium cement, medium to fine subround subangular grain, calcareous. 10% Shale, red brown orange, medium silty, slightly calcareous. 10% Limestone dark gray to gray, white, compact.

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST MR. DREW BAVIN

SMITH MUD LOGGING
SHOW SHEET

SHOW # 6 INTERVAL: 5284 TO: 5286

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/22/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW

DRILLING RATE	3min/ft	1.5min/ft	3min/ft
TOTAL GAS UNITS	10.000	71.000	6.000
METHANE	0.001	41.600	0.001
ETHANE	0.001	50	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 60% Sandstone, white grey clear black, consolidated, medium cement, medium to fine subround subangular grain, calcareous. 30% Shale, dark grey red brown, medium silty, slightly calcareous. 10% Limestone, grey white grey brown, compact sand in part.

SAMPLE FLUO-CUT:

SHOW # 7 INTERVAL: 5305 TO: 5313

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/22/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW

DRILLING RATE	3min/ft	1min/ft	3min/ft
TOTAL GAS UNITS	5.000	800.000	5.000
METHANE	0.001	83.300	0.001
ETHANE	0.001	41.600	0.001
PROPANE	0.001	44.100	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 40% Sandstone, dark grey, grey white, consolidated, medium to firm cement, fine subround grain, slightly calcareous. 40% Shale, dark grey, red brown, medium silty, slightly calcareous. 20% Limestone, grey white, grey green, compact

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST: MR. DREW BAVIN

SMITH MUD LOGGING
SHOW SHEET

SHOW # 8 INTERVAL: 5507 TO: 5508

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/23/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	3.5min/ft	2min/ft	4min/ft
TOTAL GAS UNITS	1.000	19.000	1.000
METHANE	0.001	6.250	0.001
ETHANE	0.001	8.330	0.001
PROPANE	0.001	52.940	0.001
BUTANE (ISO)	0.001	36.360	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 70% Shale, brown grey orange, soft to medium silty. 20% Limestone, dark grey, grey, white grey, compact. 10% Sandstone, white clear brown, fine grain, good cement, calcareous, subangular subround.

SAMPLE FLUO-CUT:

SHOW # 9 INTERVAL: 5563 TO: 5564

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/23/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	5min/ft	3min/ft	4min/ft
TOTAL GAS UNITS	3.000	16.000	2.000
METHANE	0.001	62.500	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, white grey tan, compact Trace of Sandstone, white grey black, consolidated, medium cement, fine to very fine grain, round to subround, calcareous.

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST: MR. DREW BAVIN

**SMITH MUD LOGGING
SHOW SHEET**

SHOW # 10 INTERVAL: 5570 TO: 5571

COMPANY: BUCKHORN PETROLEUM CO
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/23/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
	-----	-----	-----
DRILLING RATE	5min/ft	3min/ft	5min/ft
TOTAL GAS UNITS	3.000	18.000	4.000
METHANE	0.001	62.500	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, white grey tan, compact. Trace of Sandstone, white grey black, consolidated, medium cement, fine to very fine grain, round to subround, calcareous.

SAMPLE FLUO-CUT:

SHOW # 11 INTERVAL: 5572 TO: 5573

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/23/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
	-----	-----	-----
DRILLING RATE	5min/ft	3min/ft	3min/ft
TOTAL GAS UNITS	3.000	5.000	3.000
METHANE	0.001	25.000	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, white grey tan, compact. Trace of Sandstone, white grey black, consolidated, medium cement, fine to very fine grain, round to subround, calcareous.

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST: MR. DREW BAVIN

SMITH MUD LOGGING
SHOW SHEET

SHOW # 12 INTERVAL 5602 TO 5603

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/23/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW

DRILLING RATE	4min/ft	3min/ft	4min/ft
TOTAL GAS UNITS	2.000	254.000	6.000
METHANE	0.001	254.000	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, tan white grey, compact. Trace of Shale, dark grey red brown, grey green, medium to firm silty, micaceous, calcareous.

SAMPLE FLUO-CUT:

SHOW # 13 INTERVAL 5630 TO 5638

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/23/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW

DRILLING RATE	5min/ft	4min/ft	5min/ft
TOTAL GAS UNITS	8.000	21.000	2.000
METHANE	0.001	41.600	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 60% Shale, dark grey red brown orange brown, medium silty, calcareous. 40% Limestone, dark grey, grey tan, white, compact, sandy in part. Trace of Chert, white.

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST: MR. DREW BAVIN

**SMITH MUD LOGGING
SHOW SHEET**

SHOW # 14 INTERVAL: 5650 TO: 5651

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/23/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	4min/ft	3min/ft	4min/ft
TOTAL GAS UNITS	2.000	77.000	5.000
METHANE	0.001	100.000	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 60% Shale, dark grey, red brown, orange brown, medium silty, calcareous. 40% Limestone, dark grey, grey tan, white, compact, sandy in part. Trace of Chert, white.

SAMPLE FLUO-CUT:

SHOW # 15 INTERVAL: 5684 TO: 5686

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/23/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	3.5min/ft	3min/ft	4min/ft
TOTAL GAS UNITS	2.000	52.000	2.000
METHANE	0.001	56.290	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 80% Limestone, light grey, white grey, dark grey, compact. 20% Shale, light grey, grey, red brown, brown, soft to firm, slightly calcareous, silty.

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST: MR DREW BAVIN

SMITH MUD LOGGING
SHOW SHEET

SHOW # 16 INTERVAL: 5698 TO: 5702

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL /
FIELD: CEDAR POINT

DATE: 09/23/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW

DRILLING RATE	5min/ft	3.5min/ft	4min/ft
TOTAL GAS UNITS	2.000	50.000	5.000
METHANE	0.001	37.500	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 90% Limestone, light grey, grey, white, dark grey, compact, 10% Shale, light grey, grey, red brown, orange, brown, soft to firm, slightly calcareous, silty

SAMPLE FLUG-CUT:

SHOW # 17 INTERVAL: 5819 TO: 5820

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/24/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW

DRILLING RATE	3min/ft	2min/ft	3min/ft
TOTAL GAS UNITS	5.000	55.300	2.000
METHANE	0.001	50.000	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, grey tan white, compact, Trace of Shale, red brown orange, dark grey, medium firm silty, calcareous.

SAMPLE FLUG-CUT:

GEO-TECHNOLOGIST: MR DREW BAVIN

SMITH MUD LOGGING
SHOW SHEET

SHOW # 18 INTERVAL: 5831 TO: 5834

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/24/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW

DRILLING RATE	3min/ft	2min/ft	4min/ft
TOTAL GAS UNITS	2.000	854.000	4.000
METHANE	0.001	63.000	0.001
ETHANE	0.001	18.000	0.001
PROPANE	0.001	23.000	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, grey tan white, compact. Trace of Shale, red brown orange, dark grey, medium firm silty, calcareous

SAMPLE FLUO-CUT:

SHOW # 19 INTERVAL: 5879 TO: 5899

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/24/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW

DRILLING RATE	3min/ft	1min/ft	4min/ft
TOTAL GAS UNITS	10.000	750.000	10.000
METHANE	0.001	90.000	0.001
ETHANE	0.001	73.000	0.001
PROPANE	0.001	86.600	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, grey, dark grey, tan buff, soft compact. Trace of pyrite. Trace of Shale, red brown orange, dark grey, medium firm silty, calcareous. Trace of Sandstone, grey, white, clear, consolidated, medium to poor cement, fine to very fine subround grain

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST: MR. DREW BAVIN

SMITH MUD LOGGING
DST & SHOW SHEET

SHOW # 19 INTERVAL: 5879 TO: 5899
COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE:

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	3min/ft	1min/ft	4min/ft
TOTAL GAS UNITS	10.000	750.000	10.000
METHANE	0.001	90.000	0.001
ETHANE	0.001	75.000	0.001
PROPANE	0.001	86.600	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, grey, dark grey, tan buff, soft compact.
Trace of Pyrite. Trace of Shale, red brown orange, dark grey, medium firm silty, calcareous.

SAMPLE FLUO-CUT:

DST #2	INTERVAL 5885	TO 5904	DATE: 09/25/82
	TIME	PRESSURE (psi)	
	min.	top chart	bottom chart
INITIAL HYDROSTATIC		2843	2855
INITIAL OPEN	30	from 54	to 161
INITIAL SHUT-IN	60	to 2125	to 2163
SECOND OPEN	60	from 214	to 348
SECOND SHUT-IN	120	to 2138	to 2191
FINAL HYDROSTATIC		2789	2829

BHT (F) 130

1ST FLOW: OPEN 12:25PM, blow at bottom of bucket, 12:26-1#, 12:30-3#, 12:35-4.25#, 12:40-4.75#, 12:45-5#, 12:50-5.25#, 12:56 closed.

2nd FLOW: 1:55 open, slight blow bottom bucket 8oz, 2:00-9oz, 2:02-11oz, 2:03-12oz, 2:04-14oz, 2:06-16oz, 2:07-18oz, 2:08-19oz, 2:14-26oz, 2:17-28oz, 2:20-31oz, 2:40-flared. Died 18 minutes after ISI, dud 35 minutes after FSI.

REMARKS:

DRILL PIPE RECOVERY: 920' 180 DRILLING MUD, LIGHTLY GAS AND SALTWATER CUT. THE REST WAS SALTWATER - 740'
SAMPLE CHAMBER REC: 450cc and 60 PSI. 125 cu' gas in sample, 2240 cc.

	WF	R/W	NITRATES	CHLORIDES	CHROMATES
	ppg		ppm	ppm	ppm
DRILL PIPE: top	/	2.2at.85 F	/	26000	/
middle	/	1.48at.82 F	/	200000	/
bottom	/	1.28at.77 F	/	250000	/
SAMPLE CHMBR:	/	1.28at.76 F	/	270000	/
PIT MUD:	/ 9.2	/ 3.1at.86 F	/	800	/ 200

(GAUGED FLOW:) 1/8"

GEO-TECHNOLOGIST: MR. DREW HAVIN

SMITH MUD LOGGING
SHOW SHEET

SHOW # 20 INTERVAL: 6096 TO: 6099

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/26/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW

DRILLING RATE	5min/ft	2.5min/ft	5min/ft
TOTAL GAS UNITS	6.000	100.000	4.000
METHANE	0.001	72.700	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, white grey brown, compact, some soft.
Trace of Shale, red brown, medium silty sandy. Trace of Anhydrite, white.

SAMPLE FLUO-CUT:

SHOW # 21 INTERVAL: 6231 TO: 6237

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/27/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW

DRILLING RATE	5min/ft	3min/ft	4min/ft
TOTAL GAS UNITS	10.000	38.000	19.000
METHANE	0.001	20.900	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, light grey, dark grey, white, soft
compact. 30% Shale, black brown, medium firm calcareous, limey. Trace of
Sandstone, white, clear grey, very fine to fine, poorly cemented subround
subangular grain.

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST: MR. DREW BAVIN

SMITH MUD LOGGING
SHOW SHEET

SHOW # 22 INTERVAL: 6243 TO: 6245

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/27/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	4min/ft	2.5min/ft	4min/ft
TOTAL GAS UNITS	19.000	60.000	21.000
METHANE	0.001	90.900	0.001
ETHANE	0.001	31.250	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, grey white tan, compact. Trace of Shale, dark brown, black, medium firm, silty, calcareous, limey.

SAMPLE FLUO-CUT:

SHOW # 23 INTERVAL: 6272 TO: 6278

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/27/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	4min/ft	2.5min/ft	6.5min/ft
TOTAL GAS UNITS	15.000	74.000	10.000
METHANE	0.001	64.000	0.001
ETHANE	0.001	30.000	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Limestone, grey white tan, compact. Trace of Shale, black brown, medium firm calcareous, limey.

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST: MR. DREW BAVIN

**SMITH MUD LOGGING
SHOW SHEET**

SHOW # 24 INTERVAL: 6282 TO: 6284

COMPANY: BUCKHORN PETROLEUM CO
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/27/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	7.5min/ft	3min/ft	4min/ft
TOTAL GAS UNITS	21.000	85.000	40.000
METHANE	0.001	96.000	0.001
ETHANE	0.001	37.500	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Shale, black, silty, medium firm, calcareous. Trace of Limestone, grey white tan, compact.

SAMPLE FLUO-CUT:

SHOW # 25 INTERVAL: 6372 TO: 6374

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/28/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	14min/ft	11min/ft	14min/ft
TOTAL GAS UNITS	9.000	18.000	10.000
METHANE	0.001	79.500	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Shale, black, firm, calcareous, micaceous in part.

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST: MR. DREW BAVIN

SMITH MUD LOGGING
SHOW SHEET

SHOW # 26 INTERVAL: 6377 TO: 6379

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/28/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	13min/ft	9.5min/ft	11min/ft
TOTAL GAS UNITS	10.000	122.000	10.000
METHANE	0.001	45.450	0.001
ETHANE	0.001	0.001	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Shale, black, firm, calcareous, micaceous in part.

SAMPLE FLUO-CUT:

SHOW # 27 INTERVAL: 6401 TO: 6407

COMPANY: BUCKHORN PETROLEUM CO.
WELL: 16-25 CEDAR POINT FEDERAL
FIELD: CEDAR POINT

DATE: 09/28/82

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	9min/ft	6min/ft	8min/ft
TOTAL GAS UNITS	10.000	70.000	25.000
METHANE	0.001	54.500	0.001
ETHANE	0.001	33.300	0.001
PROPANE	0.001	46.600	0.001
BUTANE (ISO)	0.001	47.200	0.001
BUTANE (NORM)	0.001	47.500	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Shale, black grey brown, medium firm, calcareous.
Trace of Anhydrite, clear.

SAMPLE FLUO-CUT:

GEO-TECHNOLOGIST: MR. DREW RAVIN

SMITH MUD LOGGING
DST & SHOW SHEET

SHOW # 28 INTERVAL: 6421 TO: 6425
 COMPANY: BUCKHORN PETROLEUM CO
 WELL: 16-25 CEDAR POINT FEDERAL
 FIELD: CEDAR POINT

DATE:

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	8min/ft	2.5min/ft	5min/ft
TOTAL GAS UNITS	25.000	125.000	60.000
METHANE	0.001	136.000	0.001
ETHANE	0.001	93.750	0.001
PROPANE	0.001	0.001	0.001
BUTANE (ISO)	0.001	0.001	0.001
BUTANE (NORM)	0.001	0.001	0.001
PENTANES	0.001	0.001	0.001

SAMPLE LITHOLOGY: 100% Shale, black grey, silty, soft to medium calcareous. Trace of Limestone, black grey white, compact.
 SAMPLE FLUO-CUT:

DST # INTERVAL TO DATE:
 TIME PRESSURE (psi)
 min. top chart bottom chart

 INITIAL HYDROSTATIC

	from	to	from	to
INITIAL OPEN				
INITIAL SHUT-IN	to		to	
SECOND OPEN	from	to	from	to
SECOND SHUT-IN	to		to	

 FINAL HYDROSTATIC

0
 BHT (F.)
 1ST FLOW:
 2ND FLOW:
 REMARKS :
 DRILL PIPE RECOVERY:
 SAMPLE CHAMBER REC.:

	WT. ppm	R/W	NITRATES ppm	CHLORIDES ppm	CHROMATES ppm
DRILL PIPE top	/	/	at... F./	/	/
middle	/	/	at... F./	/	/
bottom	/	/	at... F./	/	/
SAMPLE CHMBR	/	/	at... F./	/	/
PIT MUD	/	/	at... F./	/	/

(GAUGED FLOW)

GEO-TECHNOLOGIST, MR. DREW RAVIN

BUCKHORN PETROLEUM CO.
 16-25 CEDAR POINT FEDERAL
 SESE SEC. 25, T35S-R25E
 SAN JUAN COUNTY, UTAH

CORE #1 DESCRIPTION
 INTERVAL CORED: 6360 TO 6420
 RECOVERED 53 FEET

FROM	TO	
6360	6364	Anhydrite: Dark brownish grey with white Anhydrite. Slowly releasing gas bubbles with HCL.
6364	6367	Shale: black Anhydritic, argillaceous in part, calcareous.
6367	6370	Shale: black micaceous calcareous, poker chip.
6370	6380	Shale: black, micaceous, calcareous, hard. Possible carbonized plant fragment. 6379-6380.
6380	6383	Shale: grey brown, calcareous, slightly Anhydritic.
6383	6390	Anhydrite: grey brown, finely granular, firm.
6390	6392	Shale: black, calcareous, brittle.
6392	6393	Anhydrite: grey brown, finely granular, firm.
6393	6397	Anhydrite: black with white, crystalline, Anhydrite.
6397	6400	Shale: grey brown, Anhydritic.
6400	6401	Shale: black, calcareous, brittle
6401	6404	Shale: grey brown with clear Anhydrite, crystals in top foot.
6404	6405	Shale: black, Dolomitic fissile, some scattered carbonized plant fragment observed
6405	6409	Shale: grey brown, calcareous, earthy, slightly Anhydritic
6409	6413	Shale: black dull, calcareous, fissile, poker chip.
6413	6420	Not Recovered.

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.

16

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 D & A

2. NAME OF OPERATOR
BUCKHORN PETROLEUM CO.

3. ADDRESS OF OPERATOR
P. O. Box 5928 T.A.; Denver, CO 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1245' FSL & 350' FEL (SE SE) Sec. 25-T35S-R25E
San Juan County, Utah
At top prod. interval reported below Approx. Same
At total depth Approx. Same

14. PERMIT NO. 43-G37-30786 DATE ISSUED 5-11-82

5. LEASE DESIGNATION AND SERIAL NO.
U-41512

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
CEDAR POINT-FEDERAL

9. WELL NO.
1-25 (BPC #16-25)

10. FIELD AND POOL, OR WILDCAT
Wildcat/Desert Creek

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NE SE SE
Sec. 25-T35S-R25E

12. COUNTY OR PARISH San Juan 13. STATE Utah

15. DATE SPUDDED 9-5-82 16. DATE T.D. REACHED 9-29-82 17. DATE COMPL. (Ready to prod.) P&A 9-30-82 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6679'GL; 6675'Graded; & 6687' KB N/A 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6470' (LTD) 21. PLUG, BACK T.D., MD & TVD Surface 22. IF MULTIPLE COMPL., HOW MANY* No 23. INTERVALS DRILLED BY 0-6466' ROTARY TOOLS N/A CABLE TOOLS N/A

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
DIL/SFL BHC-Sonic CNL/EDC 27. WAS WELL CORED
Yes

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#	2010' KB	12 1/4"	995	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None	--	--	--	--	None	--	--

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6466'-6280'	55 sx cmt (Desert Creek)
6100'-5900'	55 sx cmt (Ismay)
4100'-3900'	55 sx cmt (isolate Honaker Trail)
2100'-1900'	55 sx cmt (across base surf csg)

33.* PRODUCTION 35'-surf 10 sx cmt w/req. Dry Hole Marker
DATE FIRST PRODUCTION N/A PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) N/A WELL STATUS (Producing or shut-in) DRY

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Rodney D. Smith TITLE Petroleum Engineer DATE October 11, 1982

*(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 38, 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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS
Honaker Trail	4722'	4771'	DST #1 30"-60"-60"-120" Imm air bubble on pre-flo, incr to bot of bucket to 26 oz in 30 min. Died 18 min into ISI to bot of bucket on 2nd open, incr to 4# on 1/8" surf ch (3/4" @ bot) no GTS. Died 26 min into FSI & remained. BHT 1150F Rec'd 20' drlg mud. BHS: 1500 cc drlg mud @ 25 psi. Top/Inside recorder pressures: IHP 2232 IFP 44-38 FFP 30-40 ISIP 766 FSIP 1416 & bldg FHP 2232	Shinarump Moenkopi Cutler Honaker Trail Ismay Desert Creek Top Akah Top salt	MEAS. DEPTH 2732' 2800' 2990' 4708' 6064' 6338' 6413' 6466'
	5865'	5904'	DST #2 30"-60"-60"-120" WK BOA on pre-flo, incr to bot of bucket in 5 min, 4# - 9 min, 5 1/2# - 30 min. Died 18 min into ISI, no GTS. Imm blo to bot of bucket on 2nd open, 8 oz for 6 min, steadily incr to 2# - 25 min w/3' flare, lazy, rolling upward, cont'd to end of flow. Flare dead 35 min after FSI. BHT 1300F Rec'd 180' GC&SWC drlg mud & 740' sltlyGC SW. BHS: .75 cfg @ 60 psi, 150 cc GC wtr. IHP 2799 IFP 59-170 FFP 227-364 ISIP 2135 FSIP 2145 FHP 2812	Logger's TD Rotary TD	(+3955) (+3887) (+3697) (+1979) (+623) (+349) (+274) (+221)
Desert Creek	6360'	6420'	Core #1 Cut 60', rec'd 53' Dolomite & anhydrite 6" of 10% porosity @ 6375'		

CORE ANALYSIS RESULTS

for

BUCKHORN PETROLEUM COMPANY

CEDAR POINT FEDERAL 16-25 WELL

WILDCAT

SAN JUAN COUNTY, UTAH

RECEIVED

DEC 13 1982

DIVISION OF
OIL GAS & MINING

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE NO. 1

BUCKHORN PETROLEUM COMPANY
 CEDAR POINT FEDERAL 16-25
 WILDCAT
 SAN JUAN COUNTY

FORMATION : DESERT CREEK
 DRLO. FLUID: WBM
 LOCATION : NE SE SE SEC.25-35S-25E
 STATE : UTAH

DATE : 9-28-82
 FILE NO. : RP-3-003234
 ANALYSTS : GGD/S
 ELEVATION: 6687 KB

CONVENTIONAL CORE ANALYSIS--BOYLES LAW HELIUM POROSITY

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORIZ. VERTICAL	POR. R.L.	FLUID SATS. OIL WATER	GR. DNS.	DESCRIPTION
	6360-6365					ANHYDRITE - NO ANALYSIS
	6365-6370					SHL/DOL - NO ANALYSIS
1	6370-71	<0.01	1.4	0.0 37.5	2.70	LM GRV VEXLN SL/SHL
2	6371-72	<0.01	0.7	10.7 43.0	2.71	LM GRV VEXLN SL/SHL
3	6372-73	<0.01	0.7	8.0 15.9	2.69	LM GRV VEXLN SL/SHL
4	6373-74	0.08	1.5	8.1 32.3	2.71	LM GRV VEXLN SL/SHL
5	6374-75	<0.01	0.7	15.3 30.7	2.68	LM GRV VEXLN SL/SHL
6	6375-76	<0.01	12.9	12.0 53.4	2.76	DOL BRN/GRV VEXLN SHL
7	6376-77	<0.01	3.0	3.2 63.5	2.72	DOL GRV VEXLN LM ARG
8	6377-78	<0.01	3.4	8.2 57.6	2.70	DOL GRV VEXLN LM ARG
9	6378-79	0.01	1.8	4.3 68.2	2.69	LM GRV VEXLN SHL
10	6379-80	<0.01	0.7	4.8 67.6	2.70	LM GRV VEXLN SHL
	6380-6393					DOLomite - NO ANALYSIS
	6393-6398					ANHYDRITE - NO ANALYSIS
	6398-6413					SHL/DOL - NO ANALYSIS
	6413-6420					CORE LOSS

6370 -6380 - Non-productive due to low permeability and porosity.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

JOB NO.	29-3-003234	
FORMATION	DESERT CREEK	
DEPTH INTERVAL	6370	6380
INTERVAL THICKNESS (FEET)	10	
FEET INCLUDED IN AVERAGE	10	
TOTAL PERMEABILITY	0.17	
AVERAGE PERM ARITHMETIC	0.02	
AVERAGE PERMEABILITY GEOMETRIC	0.01	
TOTAL POROSITY	26.8	
AVERAGE POROSITY	2.7	
AVERAGE R/A-H	207.9	
TOTAL OIL SATURATION	74.6	
OIL SATURATION ARITHMETIC AVER.	7.5	
OIL SATURATION POR. AVER.	8.9	
TOTAL WATER SATURATION	469.6	
WATER SAT. ARITHMETIC AVERAGE	47.0	
WATER SAT. POR. AVER.	52.6	



CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY BUCKHORN PETROLEUM CO. FIELD Wildcat FILE RP-3-003234
WELL CEDAR POINT FED. 16-25 COUNTY San Juan DATE 9-29-82
LOCATION NE/SE/SE Sec. 25-35S-25E STATE Utah ELEV. 6687 KB

CORE-GAMMA CORRELATION

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. all errors and omissions excepted, but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or land in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG

(PATENT APPLIED FOR)

GAMMA RAY

RADIATION INCREASE

DESERT CREEK FORMATION

COREGRAPH

TOTAL WATER

PERCENT TOTAL WATER

80 60 40 20 0

PERMEABILITY

MILLIDARCS

100 50 10 5 1 15 10 5 0

POROSITY

PERCENT

OIL SATURATION

PERCENT PORE SPACE

0 20 40 60 80

