

**FILE NOTATIONS**

Entered in NID File ✓.....  
Location Map Pinned ✓.....  
Card Indexed ✓.....

Checked by Chief .....  
Approval Letter .....  
Disapproval Letter .....

**COMPLETION DATA:**

Date Well Completed 9/3/79

Location Inspected .....

W..... WW..... TA.....  
GW..... OS..... PA..... ✓

Bond released  
State or Fee Land .....

**LOGS FILED**

Driller's Log..... ✓  
Electric Logs (No.) .....  
E..... I..... Dual I Lat..... CR-N..... Micro.....  
BHC Sonic GR..... Lat..... MI-L..... Sonic  
CBLog..... CCLog..... Other.....

March 30, 1979

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

RE: Boardwalk Petroleum, Inc.  
Proposed well location  
Federal 15-4 Coltharp  
Sec 15, T 21 S R 23 E  
Grand County, Utah

Attn: Cleon B. Feight

Dear Mr. Feight:

The proposed location for the #15-4 confirmation well, 983' FEL and 2522' FSL in the SE $\frac{1}{4}$  of Section 15 is a restricted location due to the close proximity of Interstate 15 and gravel pits along Cisco Wash. The well site can not be shifted to the south to accomodate minimum spacing without placing the well down in the gravel pit and disrupting the natural drainage pattern. Therefore, a request is made to waive the minimum footage requirements for only this location.

Sincerely:

BOARDWALK PETROLEUM, INC.

  
Lewis F. Wells  
Geologist

LFW:lc

Lewis F. Wells

## 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-148172

and hereby designates

NAME: Boardwalk Petroleum, Inc.  
ADDRESS: 115 South Main, Suite 420, Salt Lake City, Utah 84111

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):

T 21 S R 23 E  
Sec 15 - N $\frac{1}{2}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$ , N $\frac{1}{2}$ SE $\frac{1}{4}$   
520.00 acres

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.



Lewis F. Wells



(Signature of lessee)

Hugh N. Coltharp

April 12, 1979

(Date)

4935 Holladay Blvd, SLC, UT 84117

(Address)

# Boardwalk Petroleum

Suite 420 Prudential Federal Savings & Loan Building  
115 South Main • Salt Lake City, Utah 84111 • (801) 532-6640

U S GEOLOGICAL SURVEY  
125 SOUTH STATE STREET  
SALT LAKE CITY UT 84111

Re: NTL-6  
Supplementary information for  
APD, 9-331-C

Attn: Mr. Ed Gwynn

Application for Boardwalk Petroleum, Inc., a Utah Corporation, to drill in the SE1/4 of Section 15, T 21 S, R 23 E, Grand Country, Utah is set forth on Form 9-331C. This letter is to set forth the additional information required on the NTL-6 regulation.

1. Geologic name of surface formation: Cretaceous Mancos shale.

2. & 3. Geologic tops and formation depths:

Cretaceous	Mancos shale	surface	
	Dakota sandstone	610'	oil
	Cedar Mtn. sandstone	724'	water, gas & oil
	Buckhorn sandstone	858'	oil
Jurassic	Morrison formation	875'	
	Morrison salt wash	1,110'	water, gas & oil

4. Casing program: See form 9-331C.

5. Pressure control equipment: See sketch and specification chart. Operator will pressure test B.O.P. every 24-hours during daily operation.

6. Drilling and circulating medium: The drilling rig has a Gardner Denver air compressor and will drill with air and air mist into pay sands. In the event heavy gas or oil pressures are encountered, invert emulsion salt weighted mud will be used to control pressures and keep well under control.

7. Auxiliary equipment: (1) Kelly cock incorporated in rig. (2 & 3) not required, (4) Safety sub with full opening valve to be stubbed into drill pipe when kelly is not on string.

8. Testing, logging, coring: No. D.S.T.'s programmed. Operator will drill to T.D. and set 4-1/2' casing if oil or

gas saturated sands are present. Well cuttings will be taken at each 10-foot interval and checked by a certified geologist for shows of oil and/or gas and logged for lithologic and stratigraphic evaluation. When T.D. is reached, well bore will be logged by Schlumberger with IES, GNL, and DIL surveys. No coring is programmed.

9. Operator anticipates normal pressures, not to exceed 600 lbs. at 1,300 feet. No hydrogen Sulfide problems have been encountered in the area.

10. Drilling operations to begin May 1st and completion is anticipated in five working days.

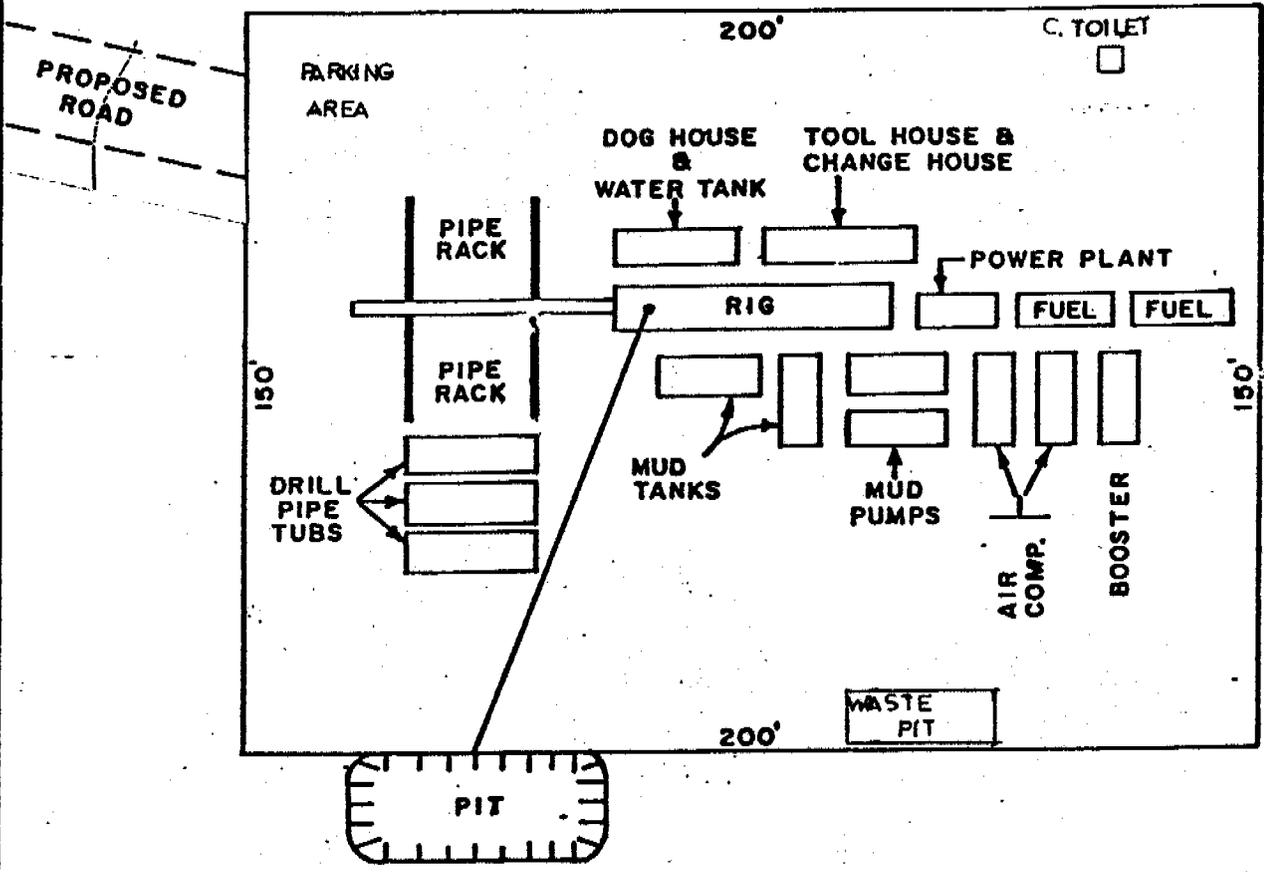
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated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

4-16-79  
Date

*George W. Miller, Sec. Inv.*  
Name and Title



SCALE: 1" = 40'



TOP SOIL STOCKPILE 12" HIGH

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: April 20, 1979

Operator: Boardwalk Petroleum Inc.

Well No: Coltharp Federal 15-4

Location: Sec. 15 T. 21S R. 23E County: Grand

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: 43-019-30515

CHECKED BY:

Administrative Assistant: \_\_\_\_\_

Remarks:

Petroleum Engineer: \_\_\_\_\_

Remarks: *The Hofer 15-2 is an Oil ? well and is located within 800' of this well; however production is minimal. Will bring in letter from operator of 15-20*

Director: \_\_\_\_\_

Remarks: *Will re-submit - 118' from property line*

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 102-5 11-2-64

Surface Casing Change   
to \_\_\_\_\_

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

O.K. Rule C-3

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

Other:

Letter Written/Approved

#  
3



# ARCHEOLOGICAL- ENVIRONMENTAL RESEARCH CORPORATION

P.O. Box 17544 - Salt Lake City, Utah 84117

Tel.: (801) 486-0261

April 23, 1979

**Subject:** An Archeological Reconnaissance of Wells 15-3  
and 15-4 in the Cisco Locality of Grand County,  
Utah

**Project:** Boardwalk Petroleum - 1979 Drilling Season

**Project No.:** BP-79-1

**Permit No.:** 79-Ut-061

**To:** Mr. Kerry Miller, Boardwalk Petroleum, 115 South  
Main Street, Suite 403, Salt Lake City, Utah 84111

Mr. Gene Day, District Manager, Bureau of Land  
Management Offices, P.O. Box 970, Moab, Utah 84532

Mr. Del Backus, Area Manager, Bureau of Land  
Management, P.O. Box M, Moab, Utah 84532

**Info:** Mr. Richard Fike, BIM Archeologist, Bureau of  
Land Management Offices, University Club Bldg.,  
136 East South Temple, Salt Lake City, Utah 84111

Mr. Ed Gwinn, U.S. Geological Survey, Federal Bldg.,  
125 So. State, Salt Lake City, Utah 84111

# Boardwalk Petroleum

Suite 420 Prudential Federal Savings & Loan Building  
115 South Main • Salt Lake City, Utah 84111 • (801) 532-6640

U S GEOLOGICAL SURVEY  
125 SOUTH STATE  
SALT LAKE CITY UT 84111

Re: Multipoint Requirements  
To Accompany APD

Attn: Mr. Ed Gwvnn

1. Existing roads: See AEC topo map and APD 9-331C road improvement. In the event of production, operator will work to maintain graded and improved road year-round.

2. Access roads: A ten-foot dirt access road will be graded to location 1,000' beyond the present existing road in the area. There are no major drainage problems, no culverts required and no gates or cattleguards or fences to be cut. Land is flat with no grades planned. Access road is straight, no turn-outs are needed, see red line. Small bar pits on each side for easy drainage and no surface materials will be needed because there will be little land disturbance. Planned access road is center line flagged.

3. See AEC topo map, enclosed. No water wells, disposal wells, injection wells or observation wells exist in one-mile radius. Abandon wells and shut in-wells marked with industry standard symbols.

4. A. No facilities within one-mile radius.

B. In the event of production, surface will be graded and gravel base set for tanks. (see rig & lease layout sketch.) Area will be fenced to protect livestock and wildlife. Earthen fire bunkers will be built around tanks. Gas line will be laid on surface to main 6" Grand Gas system.

C. Land will be reseeded as required by the BLM for rehabilitation of disturbed areas.

5. Water supply: Water will be hauled by water tank truck for drilling from Cisco Springs by truck 11 miles north from location. No roads nor pipelines required. No water well planned or needed.

6. Source of construction materials: The location will be on Federal land so sand and gravel will need to be

brought into the area from a private source in Thompson, 16 miles to the west. There will be a dirt (shale) road of 1,000 to 1,500 feet, depending on the access route.

7. Method of waste disposal: Cuttings and drilling fluids will be discharged via air into reserve pit. Portable chemical toilet will be on location for sewage. Garbage and waste material will go in trashpits with mesh screen, then burned or buried when work is completed. Location will be cleaned and all materials not burned will be hauled away. Produced fluids (oil and water) will go to tanks and pits, respectively.

8. Auxiliary facilities: No camp nor air strip required.

9. (1.) Cross section of drill pad with cuts and fills  
200' X 150'.

(2. and 3.) See well-site layout.

(4.) Unlined pits will be used.

10. Restoration plans: Backfill of pits and all surface holes and level to contour of land before drilling. Trash will be hauled out of area. Condition grounds for vegetation and seeding as per BLM requirements. Pits are to be fenced after rig is moved. We will remove all oil. Time table --as needed-- will be restored if well produces, install needed facilities and then restore. Dry well will be restored and dry hole marker in good time and order.

11. Other information: The location is part of the Green River desert area. No trees grow on the Mancos shale valley, only sage brush and shad. Cattle graze the area in fall and spring seasons. There is no water and very little vegetation. Cisco Springs is 11 miles away and the nearest town, Cisco, is 4 miles to the southwest with practically no dwellings and no evidence of historical, cultural nor archeological value. There will be no other surface use.

12. Operator: The operator is Boardwalk Petroleum, Inc., 115 South Main Street, #420, Salt Lake City, Utah 84111. Telephone: 532-6640. Attn: Tony Cox or Kerry Miller.

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions

which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Boardwalk Petroleum, Inc., and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

4-26-79

Date

*Harold Miller, Sr. Pres*

Name and Title

\*\*\*\*\* Note:

Archeological survey is ~~currently~~ being completed by A.E.R.C. of Salt Lake City, and will be forwarded upon completion.

*Included*

**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**  
 Boardwalk Petroleum Inc.

**3. ADDRESS OF OPERATOR**  
 115 S. Main St. Ste #420 Salt Lake City, Ut 84111

**4. LOCATION OF WELL** (Report location clearly and in accordance with any State requirements.)  
 At surface: 2422 2-522' FSL & 933' FEL of sec 15  
 At proposed prod. zone: T 21 S, R 23 E SLB&M  
 same

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

**15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)**      983'

**16. NO. OF ACRES IN LEASE**      520

**17. NO. OF ACRES ASSIGNED TO THIS WELL**      10

**18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.**      660'

**19. PROPOSED DEPTH**      1,150'

**20. ROTARY OR CABLE TOOLS**      Rotary-Air

**21. ELEVATIONS (Show whether DF, RT, GR, etc.)**      4,388 GR

**22. APPROX. DATE WORK WILL START\***      May 1, 1979

**5. LEASE DESIGNATION AND SERIAL NO.**  
 U-0148172

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

**7. UNIT AGREEMENT NAME**

**8. FARM OR LEASE NAME**  
 Boardwalk Petroleum Inc

**9. WELL NO.**  
 Federal 15-4 Coltharp

**10. FIELD AND POOL, OR WILDCAT**  
 Cisco Wash

**11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA**  
 Sec 15; T 21 S, R 23 E

**12. COUNTY OR PARISH**      **13. STATE**  
 Grand      Utah

**23. PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 5/8	55-7 5/8" new	26.5	90'	35 sks
6 3/4	55-4 1/4" new	9.5	1,150'	35 sks

Well will be drilled to test the Cedar Mountain Sand for oil.  
 All shows encountered will be tested.

Blow out equipment to be used:

Hydril Type G-K, 10" BOP  
 Tested to 5,000 PSI  
 with a 500 series Power Accumulator

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. Boardwalk Petroleum, Inc.**

SIGNED: [Signature]      TITLE: Secretary-Treasurer      DATE: 4/26/79

(This space for Federal or State office use)

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

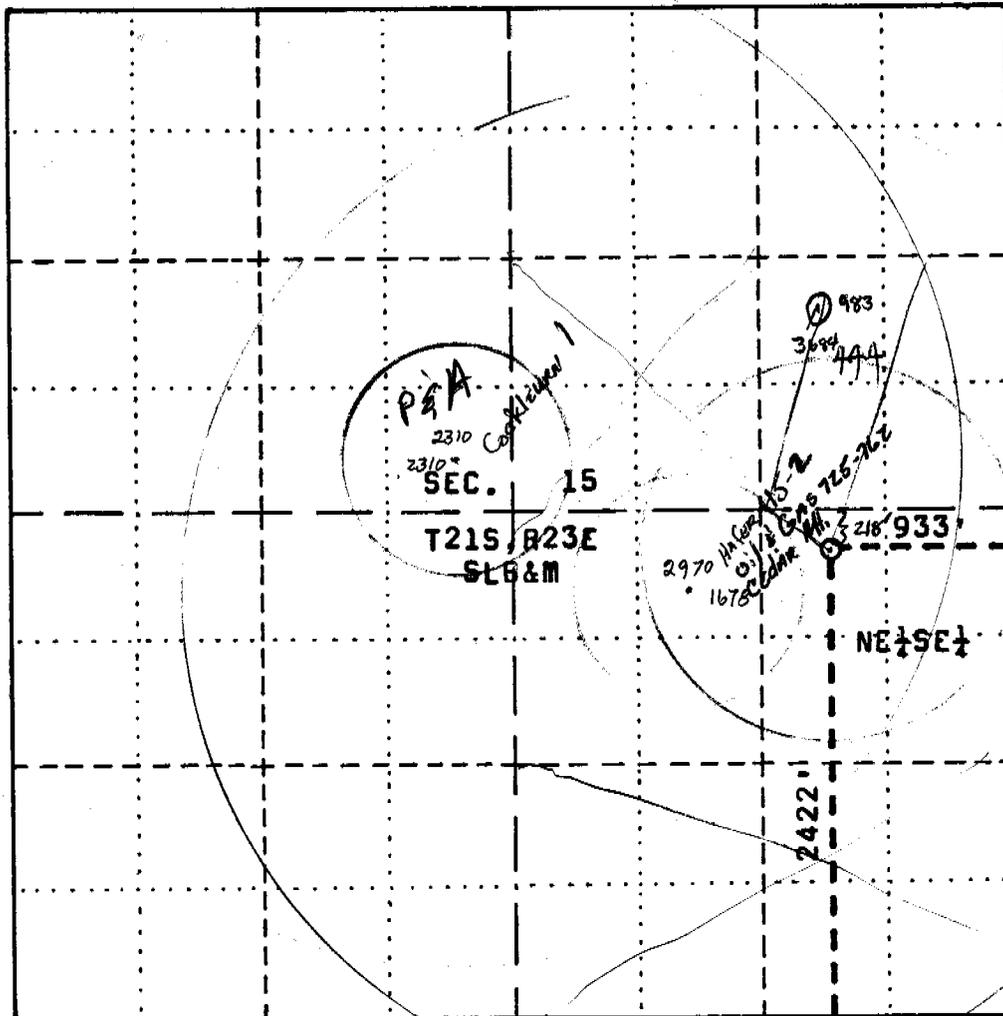
APPROVED BY: (Orig. Sgd.) R. A. Henricks      TITLE: ACTING DISTRICT ENGINEER      DATE: JUN 07 1979

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
 State of G

**NOTICE OF APPROVAL**  
 \*See Instructions On Reverse Side

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)



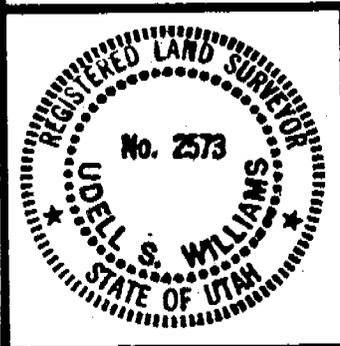
SCALE: 1" = 1000'

**BOARDWALK PETROLEUM  
FEDERAL 15-4 COLTHARP**

Located North 2422 feet from the South boundary and West 933 feet from the East boundary of Section 15, T21S, R23E, SLB&M.

Elev. 4370

Grand County, Utah



**SURVEYOR'S CERTIFICATE**

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

*Udell S. Williams*  
UTAH R. L. S. NO. 2573



**UDELL S. WILLIAMS**  
751 Rood Avenue  
GRAND JUNCTION, COLORADO 81501

PLAT OF  
PROPOSED LOCATION  
**BOARDWALK PETROLEUM  
FEDERAL 15-4 COLTHARP  
SEC. 15, T21S, R23E, SLB&M**

SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAWN BY: **USW** DATE: **5/26/79**

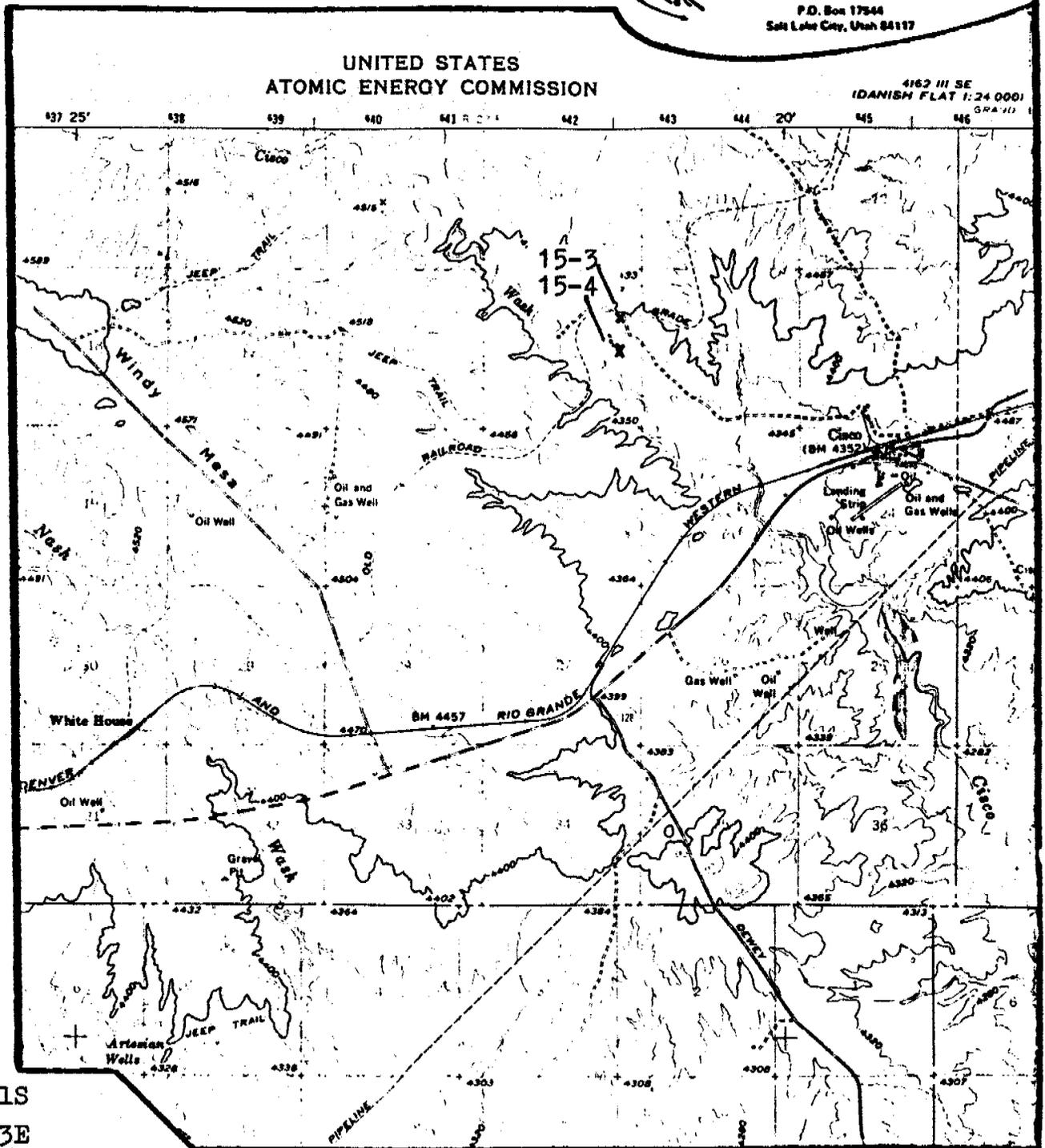


ARCHEOLOGICAL - ENVIRONMENTAL  
RESEARCH CORPORATION

P.O. Box 17544  
Salt Lake City, Utah 84117

UNITED STATES  
ATOMIC ENERGY COMMISSION

4162 III SE  
DANISH FLAT 1:24 000  
GRA III



T. 21S  
R. 23E

Meridian: Salt Lake B&M

Quad: Cisco, Utah  
15 Minute  
USGS

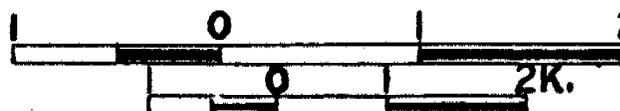
Project: BP-79-1  
Series: East Central  
Utah  
Date: 4-19-79

WELL LOCATIONS  
CISCO LOCALITY

Legend:

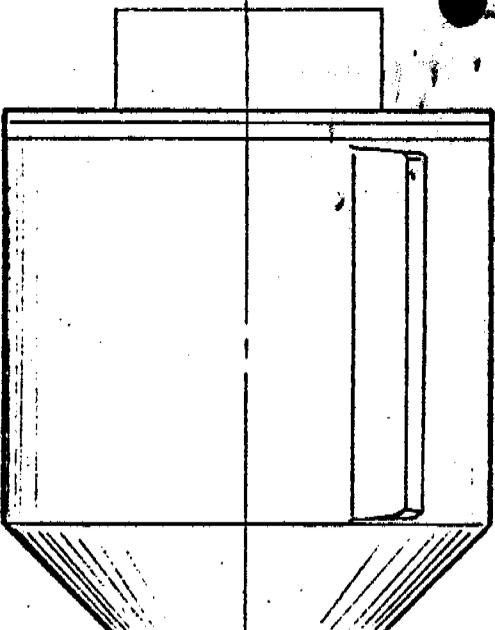
Drill location x

2 M. Access road



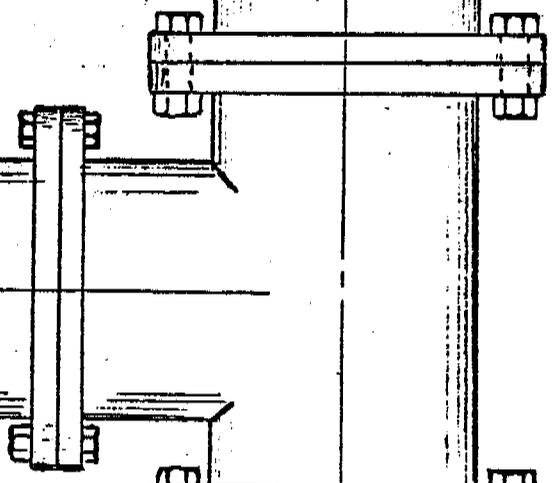
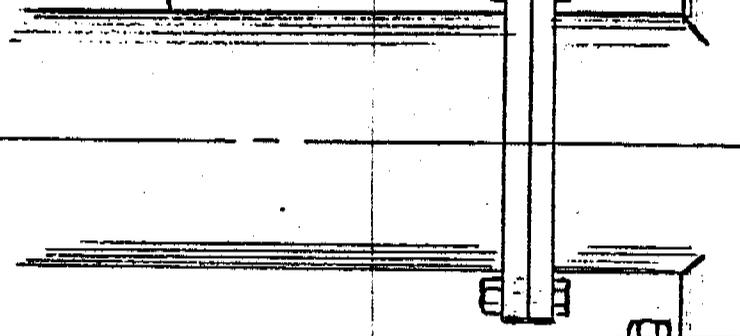
Scale





ACME TOOL  
ROTATING DRILLING  
HEAD

8" FLOWLINE



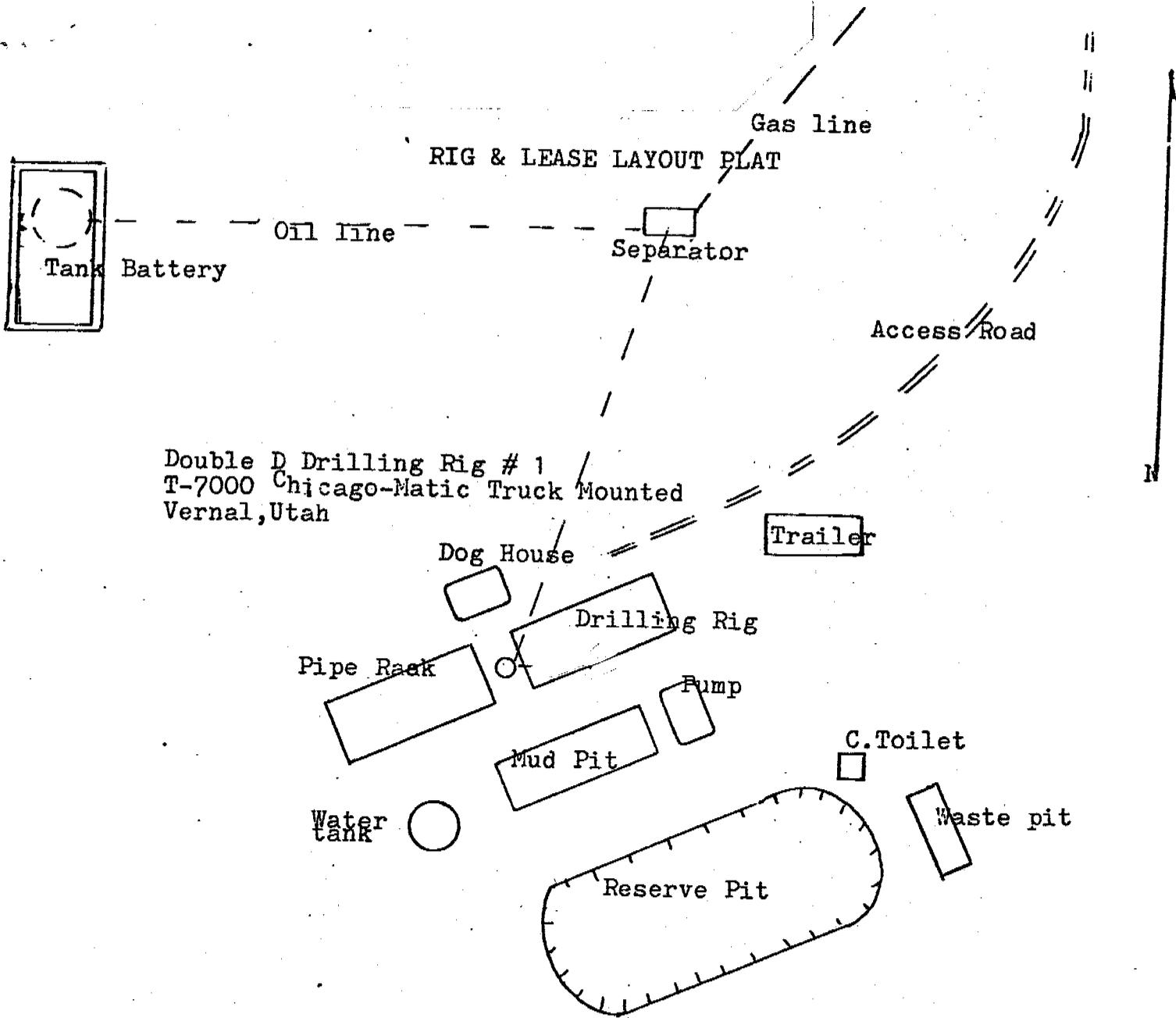
HYDRIL  
TYPE G-K 1500  
10" B.O.P.  

---

TESTED TO 5000 P.S.I.  
WITH 500 SERIES  
POWER ACCUMULATOR

7 5/8" SURFACE CASING





Double D Drilling Rig # 1  
 T-7000 Chicago-Matic Truck Mounted  
 Vernal, Utah

Federal 15-4 Coltharp  
 Sec. 15, T 21 S, R 23 E  
 Grand Co. Utah  
 Scale 1"=20'

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-148172

OPERATOR: Boardwalk Petroleum Inc.

WELL NO. Federal 15-4 Coltharp

LOCATION: 1/2 NE 1/2 SE 1/2 sec. 15, T. 21 S., R. 23E., SIM

Grand County, Utah

1. Stratigraphy: Operator projected tops appear reasonable.

2. Fresh Water:

Fresh water may be found in sands in the Morrison and Cedar Mt.

3. Leasable Minerals:

The area is valuable prospectively for coal in the Dakota. Coal beds, if any, are expected to be thin and discontinuous.

4. Additional Logs Needed:

APD proposed logging program should be adequate. Operator should submit final lithologic log after the drilling is completed.

5. Potential Geologic Hazards: None anticipated.

6. References and Remarks: Within 1 mile of CISCO WASH KGS.

Signature: James F. Kohler

Date: 4 - 19 - 79

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Moab District Office

Summary Report of  
Inspection for Cultural Resources

BLM Use Only: Use Initials.

Case File No.

Report Acceptable Yes \_\_\_ No \_\_\_

Mitigation Acceptable Yes \_\_\_ No \_\_\_

Comments: \_\_\_\_\_

1. Project Name, Developer

Boardwalk Petroleum, Federal Wells 15-3 and 15-4 (BP-79-1)

2. Legal Description of Project Area (Attach Map Also)

Township 21S., R23E., Section 15

3. Institution Holding Antiquities

NA

4. Antiquities Permit No.

79-Ut-061 (M-8)

5. Dates of Field Work

April 19, 1979

6. Description of Examination Procedures

The archeologist walked three concentric transects around each well center examining a radius of ca. 60 meters. In addition, a 60 meter long access road into Location 15-4 was evaluated.

7. Description of Findings (Attach forms or detailed report, if appropriate)

No prehistoric cultural resources were observed in any part of the survey area. An historic site, the narrow gauge railroad track bed in the Cisco locality runs on the north side and adjacent to Well 15-3.

8. Actual/Potential National Register Properties Affected

No National Register status properties will be affected with client's adherence to the stipulations listed below.

9. Conclusions/Recommendations

AERC recommends a cultural resource clearance be granted to the client contingent upon compliance to the following recommendations: 1. All vehicular traffic personnel movement and construction be confined to the location examined and to evaluated access roads; 2. all personnel refrain from collecting individual artifacts or from disturbing any cultural resources in the area; 3. a qualified archeologist be consulted\*

10. Signature of Person in Direct Charge of Field Work

F. R. Hauck for T. M. Smith

11. Signature of Title of Institutional Officer Responsible

  
F. R. Hauck, President

USO Form 6230-3 (July 1979)

\*should cultural remains from subsurface deposits be exposed or if the need arises to relocate or otherwise alter any locations; 4. all activity on Well 15-3 be conducted away from the railroad bed so that no impact on that historic site occurs during drilling operations.

Oil and Gas Drilling

EA No. 309-79

U. S. Department of the Interior  
Geological Survey  
8440 Federal Building  
Salt Lake City, Utah 84138

Addendum to EA No. 309-79

Lease No. U-0148172

Operator: Boardwalk Petroleum Inc. Well No. 15-4

Location: 2422' FSL & 933' FEL Sec. 15, T21S, R23E

County: Grand State: Utah Field: Cisco Wash

Surface Ownership: Public Minerals: Federal

Joint Field Inspection: Waived by BLM & USGS

Proposed Action: Due to State spacing requirements the proposed location was moved by the operator 112' in a south, southeasterly direction at an angle of 26.5° east of south. This action would place the drill pad below the terraced-bench, mentioned on pages 1 and 6 to a flat level area. Other than minor increased surface disturbances by additional access road construction, the proposed move should not produce any additional impacts to the area.

Prepared by: George Diwachak  
Environmental Scientist  
Salt Lake City, Utah 84138

Date: June 7, 1979

Noted - G. Diwachak

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

## Usual Environmental Analysis

Lease No. U-0148172Operator Boardwalk Petroleum, Inc.Well No. 15-4Location 2522' FSL & 983' FEL Sec. 15 T. 21S R. 23ECounty Grand <sup>NE $\frac{1}{4}$  SE $\frac{1}{4}$</sup>  State Utah Field Cisco WashStatus: Surface Ownership Public Minerals FederalJoint Field Inspection Date May 15, 1979

## Participants and Organizations:

<u>George Diwachak</u>	<u>U.S. Geological Survey, Salt Lake City</u>
<u>Bob Kershaw</u>	<u>Bureau of Land Management, Moab</u>
<u>Beth Coker</u>	<u>Bureau of Land Management, Moab</u>
<u>Kerry Miller</u>	<u>Boardwalk Petroleum, Inc.</u>
<u> </u>	<u> </u>

## Related Environmental Analyses and References:

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

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

Date: May 17, 1979

Noted - G. Diwachak

→ Well site rotated 180°  
 Pad 150 x 200  
 Pit 40 x 50  
 1000' 18' access  
 Prod loc on well road  
 1 ac  
 Topsoil removed for  
 previous excavation  
 No blocking necessary  
 → Not suitable topsoil  
 Mitigators Pg 6  
 (3) a-b

Proposed Action:

On April 17, 1979, Boardwalk Petroleum, Incorporated filed an Application for Permit to Drill the No. 15-4 development well, a 1150-foot oil test of the Dakota, Cedar Mountain, Buckhorn and Morrison Formations; located at an elevation of 4388 ft. in the NE $\frac{1}{4}$  SE $\frac{1}{4}$  Section 15, T. 21S., R. 23E. on Federal mineral lands and Public surface; Lease No. U-0148172. As an objection was raised to the wellsite, it was rotated 180°. *There was no objection to the access road.*

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

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

The operator proposes to construct a drill pad 150 ft. wide by 200 ft. long and a reserve pit 40 ft. by 50 ft. A new access road would be constructed 10 ft. wide by 1000 ft. long from a maintained road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad. The anticipated starting date is upon approval and duration of drilling activities would be about 5 days.

Location and Natural Setting:

The proposed drillsite is approximately 8 miles northwest of Cisco, Utah, the nearest town. A fair road runs to within 1000 ft. of the location. This well is in the Cisco Wash field.

Topography:

The location is situated on a flat, terraced area originally excavated for construction of I-70 which was built approximately 2000 ft. to the south. Regional topography consists of the flat to gently undulating terrain characteristic of the Cisco desert. Blading of the facility would not be necessary because of its flat characteristics. The terrace would be utilized as is, storing equipment on the lower portion.

Geology:

The surface geology is Mancos shale. The soil is hard packed clay. No

geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

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

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

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

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

#### Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. Due to previous excavation, the location is flat and terraced and may be used without any blading necessary. Topsoil would thus not be stockpiled. If, however, the operator feels it is necessary to remove vegetation prior to pad installation, topsoil should be stockpiled and spread over the surface when abandoned. In either case, rehabilitation would be necessary to prevent erosion and encroachment of undesired species on the disturbed area. The operator plans to rehabilitate the location and access road per the recommendations of the BLM.

Approximately 1 acre of land would be disturbed. This would increase the erosional potential. Proper construction practice, construction

practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

#### Air:

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

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

Toxic or noxious gases would not be anticipated.

#### Precipitation:

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

Winds are medium and gusty, occurring predominately from southwest to northeast. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

#### Surface Water Hydrology:

Drainage from the location would be toward Cisco Wash, a non-perennial tributary of the Colorado River.

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

### Ground Water Hydrology:

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

### Vegetation:

The vegetation of the proposed test site consists of invader species common to the area, due to previous excavation, and lack of reclamation. Some greasewood and cacti are also present.

Plants in the area are of the salt-desert-shrub types.

Proposed action would remove or disturb about 1 acre of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

### Wildlife:

The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area.

### Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific

importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

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

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

The site is visible from a major road (I-70). After drilling operations, completion equipment would be visible to passersby of the area and should not present a major intrusion.

The economic effect on one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County.

But should this well discover a significant new hydrocarbon source, local, state, and possible national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

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

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

The proposed location is within the Book Mountain Planning Unit (06-01). This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

#### Waste Disposal:

The mud and reserves pits would contain all fluids used during the

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

Alternative to the Proposed Action:

(1) Not approving the proposed permit-The oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

(3) Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

- (a) The drill pad was rotated 180<sup>0</sup> to keep the pits away from the low end of the terraced location and to better utilize the existing, pre-disturbed terrain.
- (b) The blooey line should be centered and directed into the pit and misted for dust supression.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 1 acre of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due

to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to Cisco Wash would exist through leaks and spills.

Determination:

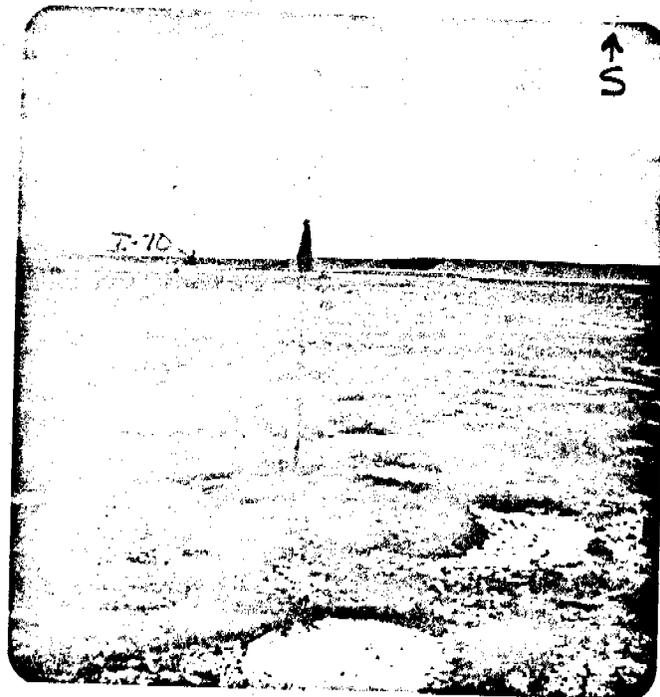
This requested action ~~does~~ does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2)(C).

Date

6/5/79

*E. W. Long*

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



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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR <b>Boardwalk Petroleum Inc.</b></p> <p>3. ADDRESS OF OPERATOR <b>115 S. Main Street S.L.C. Ut. 84111 (Suite# 420)</b></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>**NEW** 2422' FSL and 933' FEL of Section 15, T.21 S, R.23 E. SLB &amp; M</b></p>	<p>5. LEASE DESIGNATION AND SERIAL NO. <b>U-0148172</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b></p> <p>7. UNIT AGREEMENT NAME <b>N/A</b></p> <p>8. FARM OR LEASE NAME <b>Boardwalk Petroleum Or</b></p> <p>9. WELL NO. <b>Federal 15-4 Coltharp</b></p> <p>10. FIELD AND POOL, OR WILDCAT <b>Cisco Wash</b></p> <p>11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA <b>Sec 15, T.21S., R.23 E.</b></p> <p>12. COUNTY OR PARISH <b>Grand</b> 13. STATE <b>Utah</b></p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, NT, GR, etc.) <b>4370 GR</b></p>

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

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

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

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

To meet state spacing requirements note that well was move from original spacing of:

2522' FSL & 983' FEL of sec 15

TO



**\*\* 2422' FSL & 933" FEL of Sec 15  
T. 21 S., R. 23 E.**

Surveyor's plat is enclosed. This move is within the limits of the 200 foot clearance clause and will not require any additional on-site inspections by the state, USGS or BLM.

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

SIGNED

*[Signature]*

TITLE

**Secretary-Treasurer**

DATE

**June 1, 1979**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



June 4, 1979

MR CLEON FEIGHT  
DIVISION OF OIL GAS & MINING  
1588 W N TEMPLE  
SALT LAKE CITY UT 84116

Dear Jack

The revised location for the Boardwalk Petroleum, Inc. Federal 15-4 Coltharp (2,522' FSL and 983' FEL of Section 15 to 2,422' FSL and 933' FEL of Section 15, T 21 S, R 23 E) does not present any conflicts with reference to the 15-2 Government Hafer of which I am the operator.

Sincerely

BOARDWALK PETROLEUM, INC.

A handwritten signature in cursive script, appearing to read "L. Wells".

Lewis F. Wells  
Geologist

ks



SCOTT M. MATHESON  
Governor

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

CLEON B. FEIGHT  
Director

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771  
June 5, 1979

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON  
Chairman

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

BOARDWALK PETROLEUM INC  
115 S MAIN STREET  
SLC UT 84111

Re: Well No. Coltharp Federal 15-4, Sec. 15, T. 21S, R. 23E, Grand County UT

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 102-5 dated November 2, 1964.

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

MICHAEL T. MINDER - Geological Engineer  
HOME: 876-3001  
OFFICE: 5-3-5771

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

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

The API number assigned to this well is 43-019-30515.

Yours very truly,

DIVISION OF OIL, GAS, AND MINING

  
Cleon B. Feight, Director

/lw

cc: U. S. Geological Survey

9-4-79

Plugging program not  
filed with State nor approval  
given. Mr. Kerry Miller was  
contacted on this date and  
advised of infraction.

M. J. M.

KERRY MILLER

532-6640

Lack

Plug 15-4

Irregularly plugged now  
more testing may be required.

Speed 15-3

will file Speed on 15-3  
9-6-79 gms

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIP DATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0148172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Boardwalk Petroleum, Inc.

9. WELL NO.

Federal 15-4 Coltharp

10. FIELD AND POOL, OR WILDCAT

Cisco Wash

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

Sec. 15 T.21S., R23E.

14. PERMIT NO.

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

4,388'GR

12. COUNTY OR PARISH

Grand

13. STATE

Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other) temporary abandonment

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

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

The following program was proposed to E.W. Gwynn of the U.S.G.S. on 9-3-79.  
Total depth 1,170'. Request permission to set three plugs as follows:  
50 sacks from 1,113' - 143'  
60 sacks from 687' - 487'  
21 sacks from 162' - 92'

15 sacks were left for possible dry hole marker. All cement to be used is class G "neet."

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: Sept. 13, 1979

BY: Frank M. Danner

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

SIGNED

TITLE

Secretary/Treasurer

DATE

9-6-79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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

SUBMIT IN TRIPLICATE  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Boardwalk Petroleum, Inc.

3. ADDRESS OF OPERATOR  
115 S. Main, Suite 420, Salt Lake City, Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
2,522' FSL, 983' SEL of Sec. 15, T21S, R23E, SLB&M

14. PERMIT NO. \_\_\_\_\_

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4,388' GR

5. LEASE DESIGNATION AND SERIAL NO.  
U-0148172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME  
Boardwalk PEtroleum, Inc.

9. WELL NO.  
Federal 15-4 Coltharp

10. FIELD AND POOL, OR WILDCAT  
Cisco Wash

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 15 T21S, R23E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

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

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

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

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

Authorization was received by Mr. E. W. Gwynn of the U.S.G.S. on 9-3-79 1600 hrs. at EST to complete the following plugging program:

- 50 sacks from 1,114' - 143'
- 60 sacks from 687' - 487'
- 21 sacks from 162' - 92'

Please note this is a temporary plug and abandonment until futher evaluation on the well can be completed.

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

SIGNED [Signature] TITLE Secretary/Treasurer DATE 9-6-79

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
U-0148172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME  
Boardwalk Petroleum, Inc.

9. WELL NO.  
Federal 15-4 Coltharp

10. FIELD AND POOL, OR WILDCAT  
Cisco Wash

11. SEC., T., E., M., OR BLK. AND  
SURVEY OR AREA  
Sec. 15 T.21S., R23E.

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

SUNDRY NOTICES AND REPORTS ON WELLS  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Boardwalk Petroleum, Inc.

3. ADDRESS OF OPERATOR  
115 S. Main, #420, Salt Lake City, UT 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
~~2,522' FSL 983'~~ SEL of Sec. 15, T.21S., R.23E. SLB&M  
2422 FSL + 933' FE

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4,388' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other) temporary abandonment

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

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

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

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

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

The following program was proposed to E.W. Gwynn of the U.S.G.S. on 9-3-79.  
Total depth 1,170'. Request permission to set three plugs as follows:  
50 sacks from 1,113' - 943'  
60 sacks from 687' - 487'  
21 sacks from 162' - 92'

15 sacks were left for possible dry hole marker. All cement to be used is class G "neet."

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

SIGNED [Signature] TITLE Secretary/Treasurer DATE 9-6-79

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE ACTING DISTRICT ENGINEER DATE OCT 12 1979  
CONDITIONS OF APPROVAL, IF ANY

NO ADDITIONAL SURFACE DISTURBANCE FOR THIS ACTIVITY

\*See Instructions on Reverse Side

Open.



SCOTT M. MATHESON  
Governor

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

CLEON B. FEIGHT  
Director

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

December 3, 1979

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON  
Chairman

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

Boardwalk Petroleum, Inc.  
115 S. Main, #420  
Salt Lake City, Utah 84111

Re: Well No. Coltharp Federal 15-4  
Sec. 15, T. 21S, R. 23E,  
Grand County, Utah

Gentlemen:

In reference to the above well location, this office received a Subsequent Report of Abandonment on 9-6-79.

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

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

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

*Kathy Avila*

KATHY AVILA  
RECORDS CLERK

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

5. LEASE DESIGNATION AND SERIAL NO.

U-0148172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Boardwalk Petroleum Inc

9. WELL NO.

Federal 15-4 Coltharp

10. FIELD AND POOL, OR WILDCAT

Cisco Wash

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

Sec. 15, T 21 S R 23 E

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
Boardwalk Petroleum, Inc. (Ambra Oil & Gas Co.)

3. ADDRESS OF OPERATOR  
115 S. Main Street, Ste. 420, Salt Lake City, UT 84111

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

At surface ~~2522' FSL & 933' FEL~~ of Sec. 15

T 21 S R 23 E SLB&M

At top prod. interval reported below

At total depth same

location change 6/1/79  
FO: 2422' FSL & 933' FEL, NE SE

14. PERMIT NO. DATE ISSUED  
43-019-305151

12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUNDED 9-1-79 16. DATE T.D. REACHED 9-3-79 17. DATE COMPL. (Ready to prod.) (Temporary Prod. not completed) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 4388' GR 19. ELEV. CASINGHEAD 4338' GR

20. TOTAL DEPTH, MD & TVD 1170' 21. PLUG, BACK T.D., MD & TVD N/A 22. IF MULTIPLE COMPL., HOW MANY\* N/A 23. INTERVALS DRILLED BY → 24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* N/A 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN CNFD, DI 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	31 lbs.	120'	10 1/2"	35 sacks	N/A

29. LINER RECORD 30. TUBING RECORD

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

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

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

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

35. LIST OF ATTACHMENTS  
Copy of Plugging Report

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

SIGNED [Signature] TITLE Secretary/Treasurer DATE 12-7-79

May 5, 1980

Boardwalk Petroleum, Inc.  
115 S. Main St.  
Suite 420  
Salt Lake City, Utah 84111

Re: Well No. Coltharp Fed. 15-4  
Sec. 15, 21S, R. 23E.  
Grand County, Utah

Gentlemen:

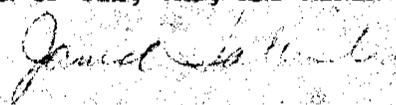
According to our records, a "Well Completion Report" filed with this office 12-7-79, from above referred to well indicates the following electric logs were run: CNEI, DI. As of today's date this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

  
JANICE TABISH  
CLERK-TYPIST



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

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

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

April 26, 1982

Boardwalk Petroleum, Inc.  
115 S. Main St.  
Suite 420  
Salt Lake City, Utah 84111

Re: Well No. Coltharp Federal #15-4  
Sec. 15, T. 21S, R. 23E.  
Grand County, Utah

Gentlemen:

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

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist

Albany Plaza III  
47 West 200 South, Suite 510  
Salt Lake City, Utah 84101  
(801) 532-6640



May 6, 1982

STATE OF UTAH  
Department of  
Natural Resource & Energy  
Division of  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114  
ATTN: CARI FURSE

Dear Ms. Furse:

RE: Your letter dated April 26, 1982  
Well No. Coltharp Federal #15-4  
Section 15, T21S, R23E  
Grand County, Utah

Please find enclosed a copy of the Completion Report for this well.  
You will please note the well was P & A and never completed.

If you have any questions, or are in need of further information,  
please contact me personally.

Sincerely yours,

AMBRA OIL & GAS COMPANY

A handwritten signature in cursive script that reads "Rebecca P. Hunt".

Rebecca P. Hunt  
Production Clerk

Enclosure

RECEIVED  
MAY 07 1982

DIVISION OF  
OIL, GAS & MINING