

UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG. — ELECTRIC LOGS — FILE WATER SANDS — LOCATION INSPECTED — SUB. REPORT/ABD. —

DATE FILED 11-14-78

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-30956 INDIAN

DRILLING APPROVED: 11-13-78

SPUDED IN:
COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 4405' *gn*

DATE ABANDONED: 8-20-80 LOCATION ABANDONED WELL NEVER DRILLED

FIELD: *Wildcat 3/86 Greater Cisco*

UNIT:

COUNTY: *Grand*

WELL NO. *Cisco Federal #2* API NO: 43-019-30476

LOCATION 1520' FT. FROM ~~XX~~ (S) LINE. 1032' FT. FROM ~~XX~~ (W) LINE. NW SW 12 1/4-1/4 SEC. 10

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				21S	23E	10	OGLE CORP. & HAWTHORN OIL. 24

FILE NOTATIONS

Entered in NID File	Checked by Chief
Location Map Pinned	Approval Letter
Card Indexed	Disapproval Letter

COMPLETION DATA:

Date Well Completed	Location Inspected ..
..... M.....
GW..... OS..... PA.....	State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)

E.....	I.....	Dual I Lat.....	GR-N.....	Micro.....
BHC Sonic GR.....	Lat.....	MI-L.....	Sonic.....	
CBLog.....	CCLog.....	Others.....		

Lup
11-15-90

12

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
U-30956

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
Cisco-Federal No. 2

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 10, T21S, R23E, SLM

12. COUNTY OR PARISH
Grand

13. STATE
Utah

22. APPROX. DATE WORK WILL START*
Sept. 1, 1978



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
The Ogle Corp. & Hawthorn Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 2693, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 1032 FWL, 1520 FSL
 At proposed prod. zone: Same *NW SW*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10 miles by road to Cisco, Utah to South

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1035'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4405 GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7"	17 lb (new)	200 ft	40 sks Class G-Circulate
6 1/4"	4 1/2"	10.5 lb (new)	1500 ft	40 sks Dowell RFC

Propose to Test Salt Wash Member of Morrison Formation.
 Surface Use Plan Attached: Note: Water Sands are not anticipated.
 Surface FMN - Mancos Shale
 Estimated Tops:
 Dakota: 850-Gas
 Buckhorn: 1150-Oil
 Salt Wash: 1370-Gas
 Pressure Control: Schematic attached showing BOP, Kill Lines, Check Valves & Pressure Ratings, Seven Point Plan attached.
 Logging: IES & FDC-CNL, No Coring Planned.
 Hazards: Experience does not indicate that abnormal pressures of Hydrogen Sulfide will be encountered.
 Starting Date: September 1, 1978, Ten days Operating Time.

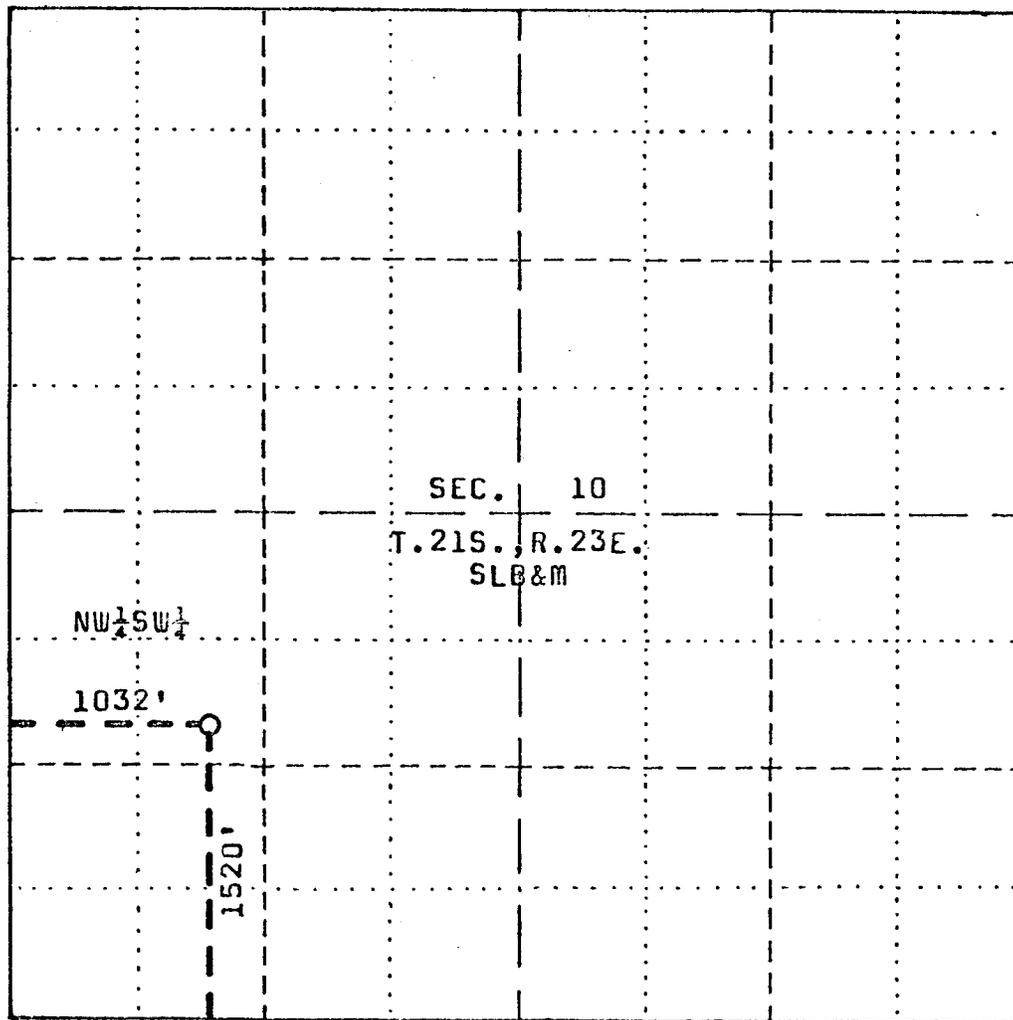
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J. M. Burkhalter TITLE Consulting Engineer DATE 7/20/78

(This space for Federal or State office use)
 PERMIT NO. 43-019-304-76 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



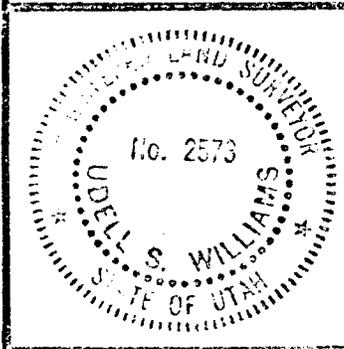
SCALE: 1" = 1000'

OGLE-HAWTHORN-CISCO FEDERAL NO. 2

Located North 1520 feet from the South boundary and East 1032 feet from the West boundary of Section 10, T.21S., R.23E., SLB&M.

Elev. 4405

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 Road Avenue
GRAND JUNCTION, COLORADO 81501

PLAT OF
PROPOSED LOCATION
OGLE-HAWTHORN
CISCO FEDERAL NO. 2
SEC. 10, T21S, R23E, SLM

SURVEYED BY: USW DATE: 4-3-78

DRAWN BY: USW DATE: 4-17-78

J. N. BURKHALTER

Oil, Gas and Pipeline Consultant

Professional Engineer and Land Surveyor
Registered in Rocky Mountain States

592 25 Road
Grand Junction, Colorado 81501
Telephone 303/242-8555

Re: Ogle-Hawthorne Cisco Federal Well No. 2
SE NW SW Sec 10, T21S, R23E, SLB & M
Grand County, Utah
Lease: U-~~30360~~

30956

PRESSURE MONITORING AND CONTROL DATA
SEVEN POINT PLAN

1. Surface Casing: Set at 200'
Size 7"
Weight 17#
Length Range 2
Grade J-55 new. Tested in 3000 psig.
2. Casing Heads:
Series 600 - 1500 psi working pressure.
3. Production Casing:
Size 4½"
Weight 10.5#
Length Range 3
Grade J-55, new, tested to 3000 psig.
4. Pressure Control:
BOP RAM Type
Series 600 - Tested to 3000 psig
Rams Pipe & 57"
and choke lines.
- Auxiliary Pressure Control:
 - a. Kelly cocks.
 - b. Check valve at bit.
 - c. Monitoring equipment on mud system.
 - d. A sub on floor with a full opening valve to be stabbed into drill pipe when Kelly is out of string.
6. Anticipated Bottom Hole Pressure:
550 psig.
7. The Type of Drilling Fluid:
Air until gas encountered.
Mud up with Polymer mud with NaCl and CaCl₂ as weighting agent -
10.5 to 11.00 lb. per gallon as required.

J. N. BURKHALTER

Oil, Gas and Pipeline Consultant

592 25 Road
Grand Junction, Colorado 81501
Telephone 303/242-8555

Professional Engineer and Land Surveyor
Registered in Rocky Mountain States

Cisco Federal Well No. 2
SE NW SW Sec. 10, T21S, R23E, SLB & M
Grand County, Utah

SURFACE USE PLAN

Geographical: 2½ miles northwest of Cisco, Utah.

Terrain: Low, rolling hills of Mancos shale.

Vegetation: Very sparse.

Surface Water: None. This is dry, desolate, desert country.

1. Existing Roads: Existing roads are 15-18 feet wide, with native ground as surface material. This is primarily Mancos shale with a little Cretaceous gravel in some places.

Cisco Federal Well No. 2 is located north of I-70. This requires a rather circuitous route around the interstate and requires 10-12 miles of driving from Cisco, Utah.

The included map shows all access roads and roads within a several mile radius of the locations.

There are no immediate plans for improvement of existing roads. If commercial production is found and road improvement is needed, it will be considered at the appropriate time.

2. Planned Access Roads: The map indicates all necessary access roads be constructed which will be to the same physical characteristics as existing roads - 15-18 feet wide with native Mancos shale as surface with maximum grades not to exceed 3-4%. There will be no culverts required and no major cuts and fills required for access to the well applied for. No fence cuts or cattle guards will be required.
3. Location of Existing Wells: As you can see from the map, existing wells have been located upon the map. The status of the wells is generally indicated on the map by the manner in which the well is marked. There are no water wells or disposal wells.

The well applied for in this application has been referenced in two directions with reference stakes set at 100 and 150 feet in two directions giving a total reference of 300 feet for the well.

4. Location of Existing and/or Proposed Facilities:

- a) There are no tank batteries off of well locations within a one mile radius of the proposed location. Gas gathering lines are indicated on the attached map. All lines in the area are surface lines.
- b) If production is found, storage facilities will be located on the location. If gas is discovered in commercial quantities, necessary pipelines will be applied for at that time.

Complete protective measures such as fences will be used to protect livestock and wildlife in the area.

- c) Rehabilitation of all disturbed areas no longer needed after construction is completed will be returned to smooth contour and all debris will be cleaned up. All pits will be covered and cleaned up after drill operations. Those pits required for production will be fenced.

5. Location and Type of Water Supply: Water will be acquired either from Cisco Springs, which is about 5 miles north of the proposed well location, or from the Colorado River, which is about 5 miles southwest of Cisco, Utah. Water will be transported by truck. Existing roads will be used to transport water.

No water well will be drilled on the lease.

6. Source of Construction Materials: No construction materials such as sand, gravel, stone and soil will be used other than that found in the native location.

In the event that tanks and production equipment are required, gravel will be hauled from Grand Junction, Colorado or Moab, Utah to set tanks on. This gravel will be purchased from private enterprise.

7. Methods for Hauling Waste Disposal:

- a) Cuttings - The hole will be 90% air drilled and cuttings will be blown out on the ground. These cuttings will be smoothed out and integrated into the native ground surface.
- b) Drilling Fluids - Will be contained in steel mud tanks. A dirt pit will be dug to contain excess flow out of the well during cementing and completion operations. Of course, these pits will be cleaned up and covered up.
- c) Produced Fluids such as Oil and Water - Will be properly disposed of with oil being stored in tanks and water being diverted to the pit and disposed of as required.

SURFACE USE PLAN (con't)

- d) Sewage - A portable chemical toilet will be provided on location during drilling operations.
 - e) Garbage and Other Waste Material - Will be contained in 30 gallon galvanized garbage cans and hauled off the location.
 - f) As stated before, the entire well site area will be properly cleaned up and restored to smooth contour when the rig moves out. Only that part of the location required for production operations will be kept in use. In the event of a dry hole, the only appurtenance left at the location will be the required dry hole marker.
8. Ancillary Facilities: There will be no camps or air strips required for this drilling operation.
9. Well Site Layout: A plat on a scale of 1" = 40' is included with the application showing location and orientation of the drilling rig, mud tanks, reserve pit, pipe racks and other appurtenances to the operation. For the time being pits will be unlined as allowed by present law. The only water introduced into these pits will be fresh water used in the drilling operation.
10. Plans for Restoration of Surface: As stated before, the entire location will be restored to smooth contour. Also stated, the vegetation in this desert area is extremely sparse and it is quite doubtful that revegetation would be practical at all.

It is intended to have all locations cleaned up within 30 days after operations are concluded.

11. Other Information:

- a) The topography of these locations near Cisco, Utah is a very gentle rolling, flat characteristic. The soil is raw Mancos shale with extremely sparse vegetation. A few coyotes, prairie dogs and cottontail rabbits occupy the entire area.
- b) The only other surface use activities other than petroleum exploration in the area is in spring grazing of the sparse vegetation by cattle and sheep.
- c) The proximity of water has been described at Cisco Springs, (about 5 miles north) or at the Colorado River which is about 5 miles southwest of Cisco, Utah. The only occupied dwellings are at Cisco, Utah, which has been located already. There will be no disturbance to archeological, historical or cultural sites by drilling the applied-for well in the present application. The land is under the jurisdiction of the Bureau of Land Management.

12. Operator's Representative:

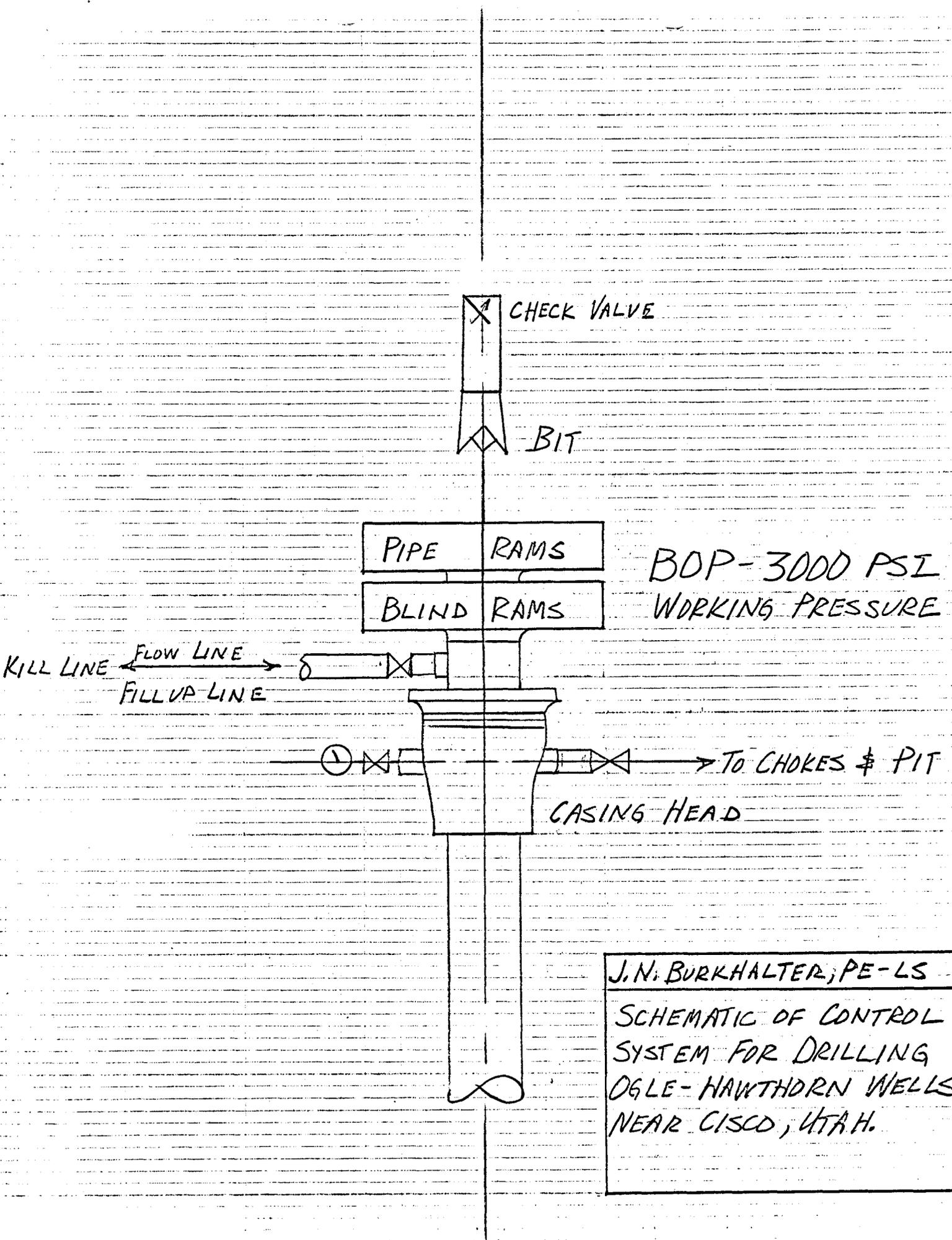
J.N. Burkhalter
592 25 Road
Grand Junction, Colorado 81501
(303) 242-8555
Mobile (303) 245-3660, Unit 472

SURFACE USE PLAN (con't)

13. I hereby certify that I, or persons under my 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, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Carmack Drilling Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

7/20/75
Date

J.N. Burkhalter
J.N. Burkhalter, PE-LS
Consulting Engineer



CHECK VALVE

BIT

PIPE RAMS

BLIND RAMS

BOP - 3000 PSI
WORKING PRESSURE

KILL LINE ← FLOW LINE →
FILLUP LINE

→ TO CHOKES & PIT

CASING HEAD

J. N. BURKHALTER, PE-LS
SCHEMATIC OF CONTROL
SYSTEM FOR DRILLING
O&G - HAWTHORN WELLS
NEAR CISCO, UTAH.

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 Cultural Resources Survey for Drilling Operations
Burkhalter Engineering in the Cisco Locality, Grand County, Utah (BKE-78-

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

Township 21 South, Range 23 East, Section 10, SW $\frac{1}{4}$ of SE $\frac{1}{4}$ and NW $\frac{1}{4}$ of SW $\frac{1}{4}$

3. Institution Holding Antiquities

NA. No collection made.

4. Antiquities Permit No.

78-Ut-014 (M-25)

5. Dates of Field Work

June 28-29, 1978

6. Description of Examination Procedures

Parallel and zigzag transects were walked, 15 to 20 meters apart depending on the visibility. Two previously staked proposed drill pads were inspected (Cisco Federal No. 1 and No. 2) for approximately 50 meters square. A proposed access road running 200 meters south of drill pad No. 2 was also inspected.

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

No cultural resources were observed during the survey and no previously recorded sites are located in the vicinity that might be impacted by the proposed drilling operations.

8. Actual/Potential National Register Properties Affected

No National Register Properties will be affected by drilling operations in the survey area.

9. Conclusions/Recommendations 1. All vehicular traffic, personnel movement, and construction be confined to the locations examined and to access roads leading into these locations; 2. all personnel refrain from collecting individual artifacts or from disturbing any cultural resources in the area; and 3. a qualified archeologist be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the construction area.

10. Signature of Person in Direct Charge of Field Work

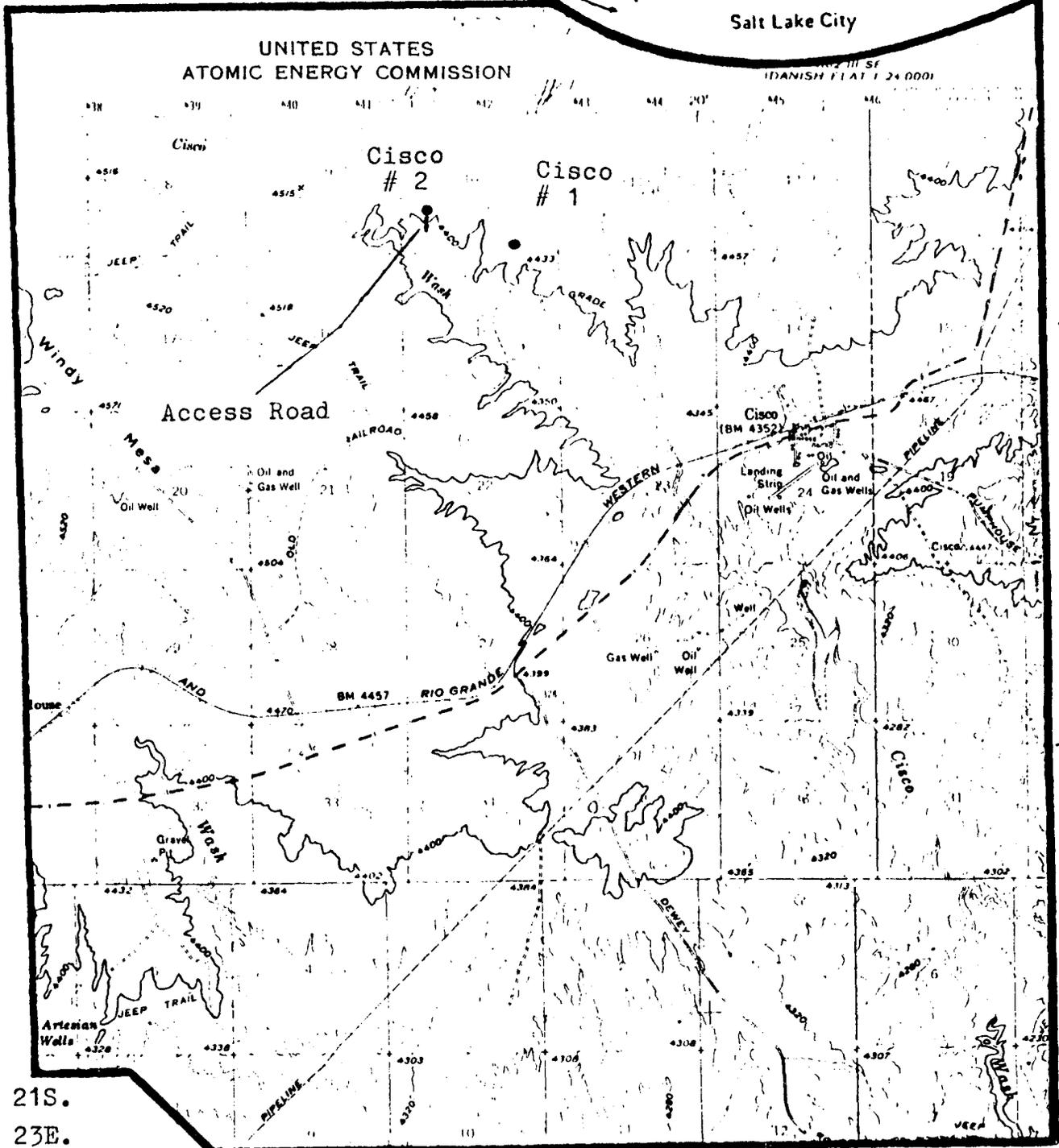
V.G. Naman (by SETH)

11. Signature of Title of Institutional Officer Responsible

J.R. Hancock



Salt Lake City



T. 21S.

R. 23E.

Meridian: Salt Lake B and M

Quad:

Project: BKE-78-1

Series: East Central Utah

Date: 7/5/78

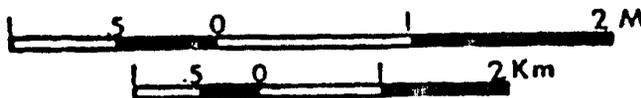
DRILL PADS SURVEYED IN THE CISCO LOCALITY OF GRAND COUNTY, UTAH

Cisco 15' Series

Legend:

Drill Pad •

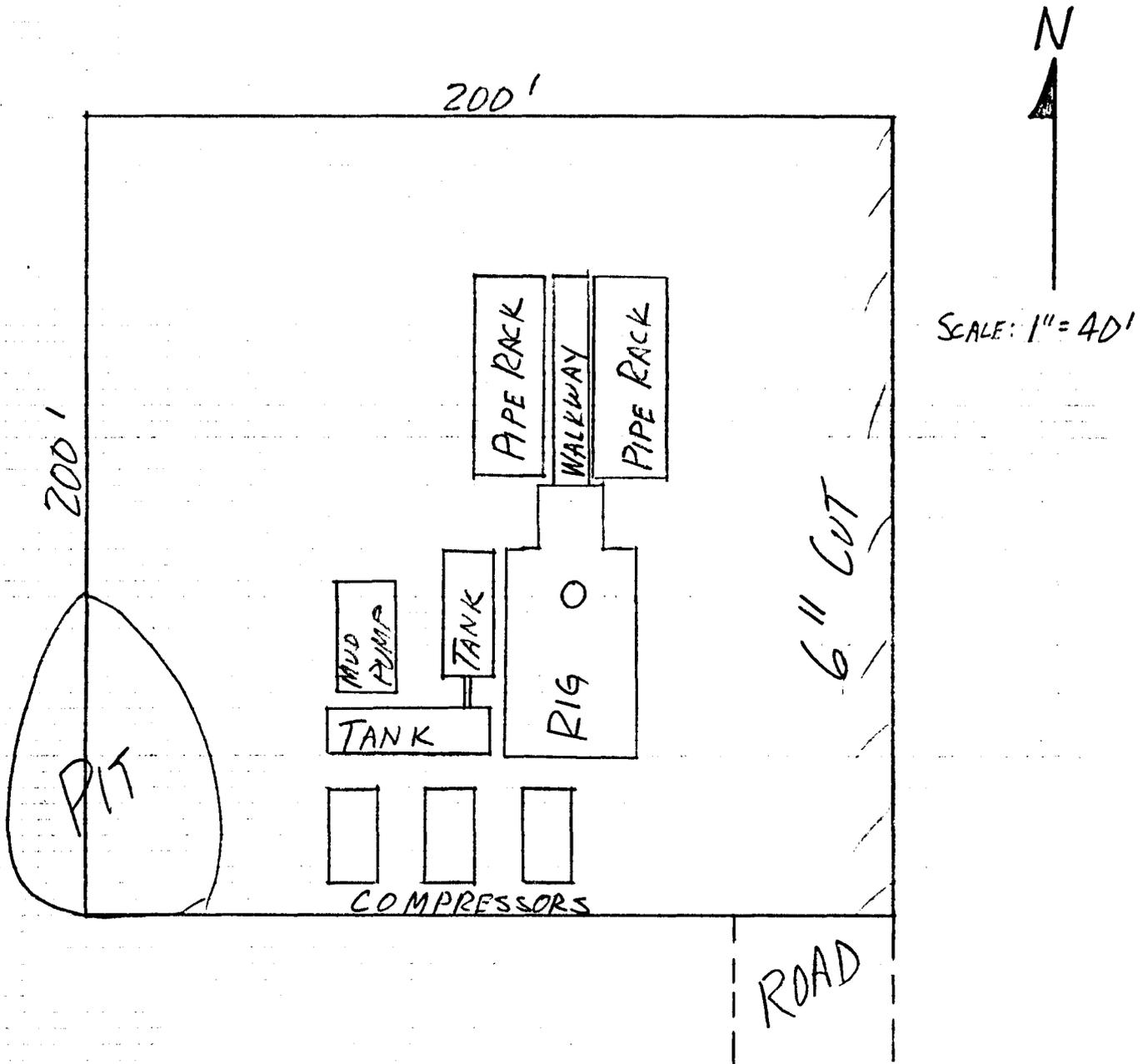
Access Road - - - -



Scale



PROPOSED ROAD LOCATION SITE LAYOUT

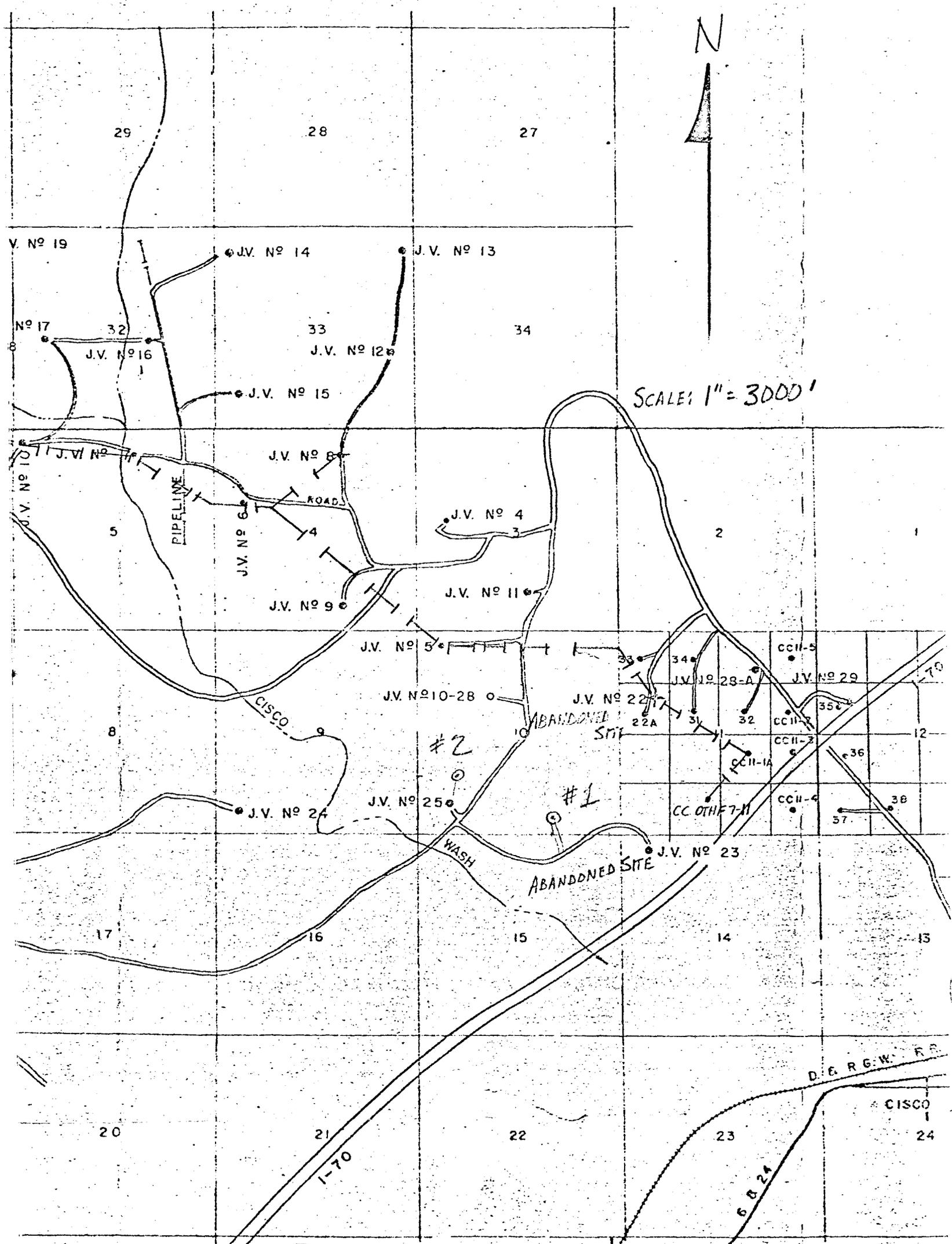


N

SCALE: 1" = 40'

SE NW SW
 SEC 10, T21S, R24E, S1B & M
 GRAND COUNTY, UTAH

J.N. BURKHALTER, PE-LS
 PROPOSED ROAD LOCATION
 SITE LAYOUT
 CGLE-HANTHORN CISCO
 FEDERAL WELL NO. 2
 GRAND COUNTY, UTAH



J.N. BURKHALTER, PE-LS
 MAP SHOWING LOCATION OF
 OGLE-HAWTHORN CISCO
 FEDERAL WELLS 1-2
 GRAND COUNTY, UTAH

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Nov. 13 -

Operator: Ogle Corp. & Southern Oil

Well No: Cisco Fed. #2

Location: Sec. 10 T. 21S R. 23E County: Grand

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: 43-019-30476

CHECKED BY:

Administrative Assistant [Signature]

Remarks:

Petroleum Engineer: _____

Remarks: 2

Director: _____

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 102-5

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



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

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
November 13, 1978

I. DANIEL STEWART
Chairman

CLEON B. FEIGHT
Director

CHARLES R. HENDERSON
JOHN L. BELL
THADIS W. BOX
C. RAY JUVELIN

The Ogle Corporation & Hawthorn Oil
P.O. Box 2693
Casper, Wyoming 82602

Re: Well No's:
Cisco Federal #1 and #2
Sec. 10, T. 21 S, R. 23 E,
Grand County, Utah

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.

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

PATRICK L. DRISCOLL - Consultant
HOME: 582-7247
OFFICE: 533-5771

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

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 43-019-30475 (#1) and 43-019-30476 (#2).

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey



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

OIL, GAS, AND MINING BOARD

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EDWARD T. BECK
E. STEELE McINTYRE

February 5, 1980

Ogle Corporation & Hawthorn Oil Co.
P. O. Box 2693
Casper, Wyoming 82602

RE: Well No. Cisco Federal #2
Sec. 10, T. 21S, R. 23E,
Grand County, Utah

Gentlemen:

In reference to above mentioned well(s), considerable time has gone by since approval was obtained from this office.

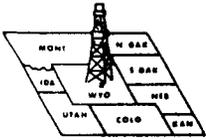
This office has not received any notification of spudding. If you do not intend to drill this well (these wells), please notify this Division. If spudding or any other activity has taken place, please send necessary forms.* If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the application. If you plan on drilling this well at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

DEBBIE BEAUREGARD
CLERK-TYPIST



HAWTHORN OIL COMPANY

OFFICE (307) 265-7863
RES. PH. (307) 237-2119

801 FIRST NATIONAL BANK BLDG.

P. O. BOX 2693

CASPER, WYOMING 82601

R. K. O'CONNELL

February 13, 1980

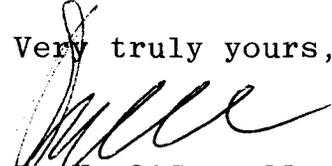
RE: Well No. Cisco Federal #2
Sec. 10, T. 21S, R. 23E,
Grand County, Utah

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

Dear Ms. Beauregard:

In answer to your letter of February 5, please be advised that we are seriously considering drilling the captioned well in late spring of this year. Our #1 Cisco well was somewhat of a disappointment and we have been testing it extensively.

Very truly yours,



R. K. O'Connell

RKO:tw

Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

August 20, 1980

The Ogle Corp. & Hawthorne Oil
P.O. Box 992
First Natl. Bank Bldg
Casper, WY 82602

Re: Returned Application for
Permit to Drill
Well #Cisco Fed 2
Section 10, T. 21S., R. 23E.
Grand County, UT
Lease #U-30956
Application Approved September 29, 1978

Gentlemen

An Application for Permit to Drill the referenced well was approved. Since that date no known activity has transpired at the approved location. Under current District policy, Application's for Permit to Drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location on a future date a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must, then, be submitted. Your cooperation in this matter is appreciated.

Sincerely

(Orig. Sgd.) E. W. GUYNN

E.W. Gynn
District Engineer

bcc: O&GS NRMA Casper
SMA
State Office (O&G) ✓
State Office (BLM)
USGS-Vernal
Well File
APD Control

RAH/cva