

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE  WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB REPORT/abd \_\_\_\_\_

This Application is rescinded by the U.S.G.S. for no information or activity on this location // 2-2-82

DATE FILED 11-10-80

LAND FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. ~~U-17245~~ U-31747 INDIAN \_\_\_\_\_

DRILLING APPROVED: (11-10-80 OW) 11-19-80

SPUDDED IN \_\_\_\_\_

COMPLETED \_\_\_\_\_ PUT TO PRODUCING \_\_\_\_\_

INITIAL PRODUCTION \_\_\_\_\_

GRAVITY API \_\_\_\_\_

GOR \_\_\_\_\_

PRODUCING ZONES \_\_\_\_\_

TOTAL DEPTH \_\_\_\_\_

WELL ELEVATION \_\_\_\_\_

DATE ABANDONED: LOCATION ABANDONED 2-2-82

FIELD: Greater Cisco Area ~~Area~~ 3/86

UNIT \_\_\_\_\_

COUNTY: Grand

WELL NO. CISCO FEDERAL #13 API NO. 43-019-30739

LOCATION 660' FT. FROM (N)  LINE. 1980' FT. FROM (W)  LINE. NE $\frac{1}{4}$  NW $\frac{1}{4}$  1/4 - 1/4 SEC. 7 SLM

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				20S	22E	7	CISCO DRILLING & DEVELOP

Bond #U9006401

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  
Cisco Drilling & Development Company

3. ADDRESS OF OPERATOR  
840 Road Grand Junction, CO 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface NE 1/4 NW 1/4, Section 7 T20S, R22E  
At proposed prod. zone 1980' FWL & 660' ENL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
Approximately 15 miles northwest of Cisco, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
1650

16. NO. OF ACRES IN LEASE  
1320

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
1800'

19. PROPOSED DEPTH  
4000' *Entrada*

20. ROTARY OR CABLE TOOL  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5420 GR

22. APPROX. DATE WORK WILL START\*  
November 15, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 3/4"	7"	20.00#	150'	75 sax cement thru production zone and cemented 200' above Dakota Formation
6 1/2"	4 1/2"	10.50#		

It is planned to drill a well at the above location to test the oil production possibilities of the sands in the Dakota, Cedar Mountain, and Morrison formations. The well will be drilled to a point which is near the top of the Entrada formation or to commercial production. Rotary tools with air for circulation until water is encountered, then drilling fluid will be used to drill the well. The surface casing will be set at about 150 ft. and cemented with returns to the surface. A blowout preventer with hydraulically operated blind and pipe rams will be installed on top of the surface casing; and a Kelly cock and safety sub on the derrick floor will provide protection from pressures and temperatures. 2-inch Fill and Kill lines will be connected below the blind rams. Any oil encountered will be flared at the end of the blowline, and roughly checked for volume thru a 2-inch line after the pipe rams have been closed. A float valve will be used in the bottom drill collar at all times.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed 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 Gary L. Vann TITLE Field Representative DATE 11/5/80

(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING  
DATE: 11/10/80  
BY: EB Hughes

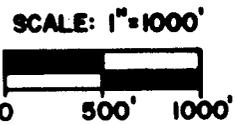
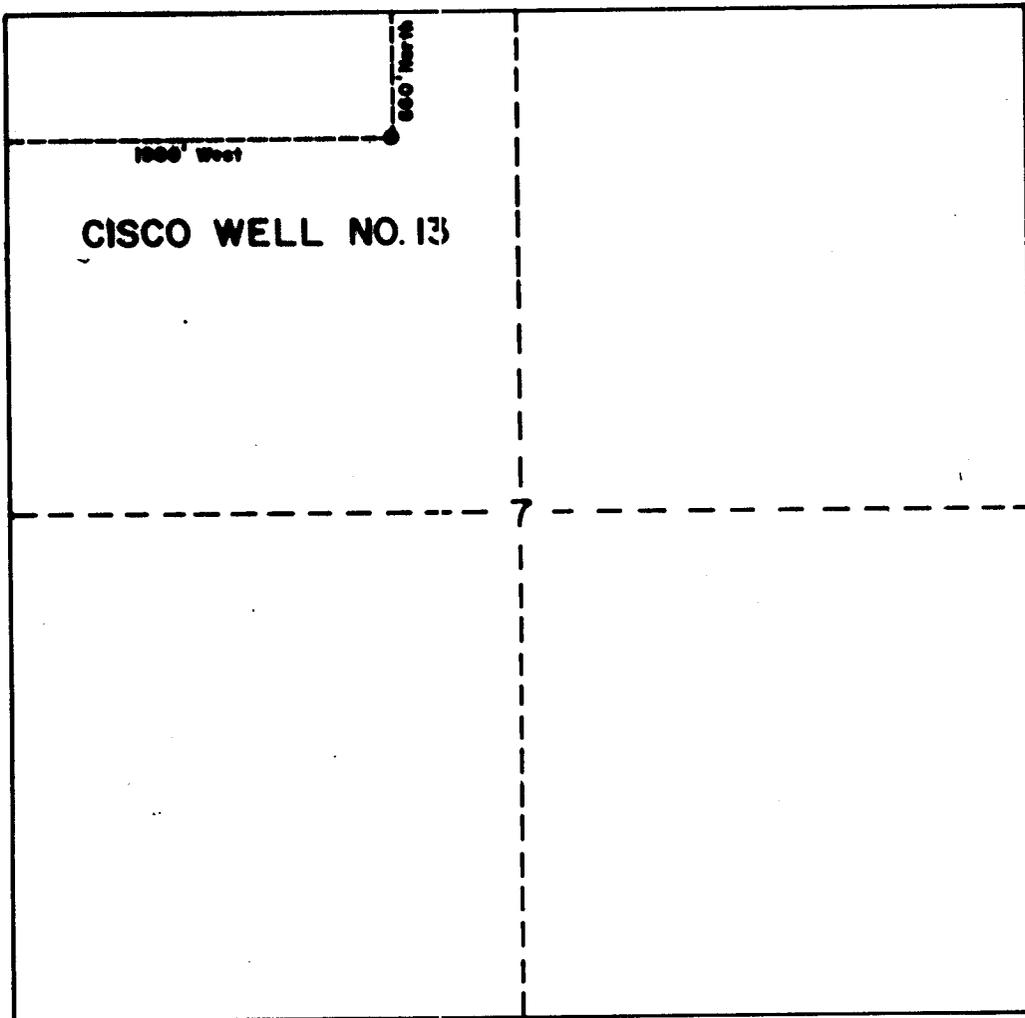
\*See Instructions On Reverse Side

RECEIVED

NOV 10 1980

DIVISION OF OIL, GAS & MINING

3



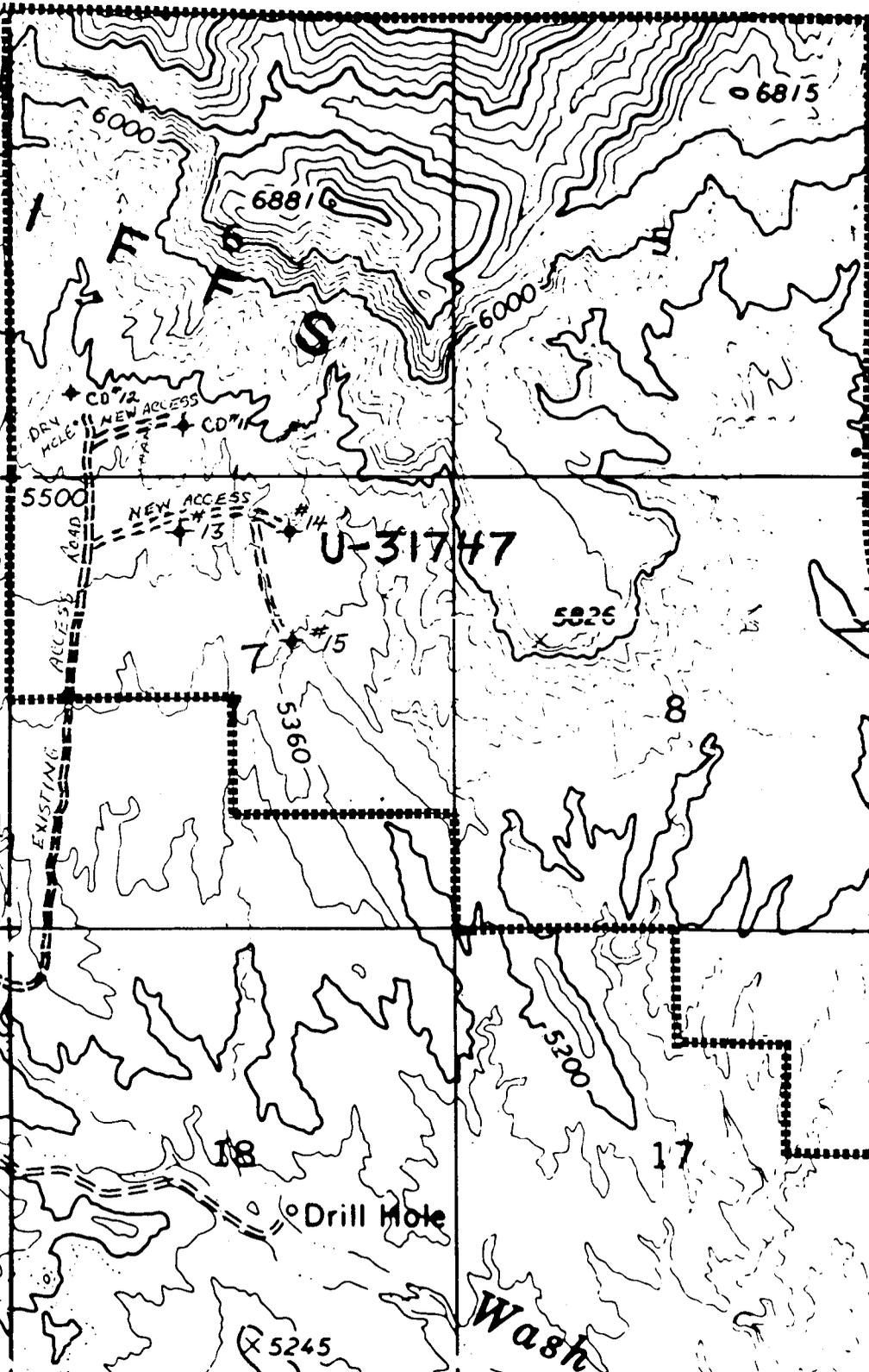
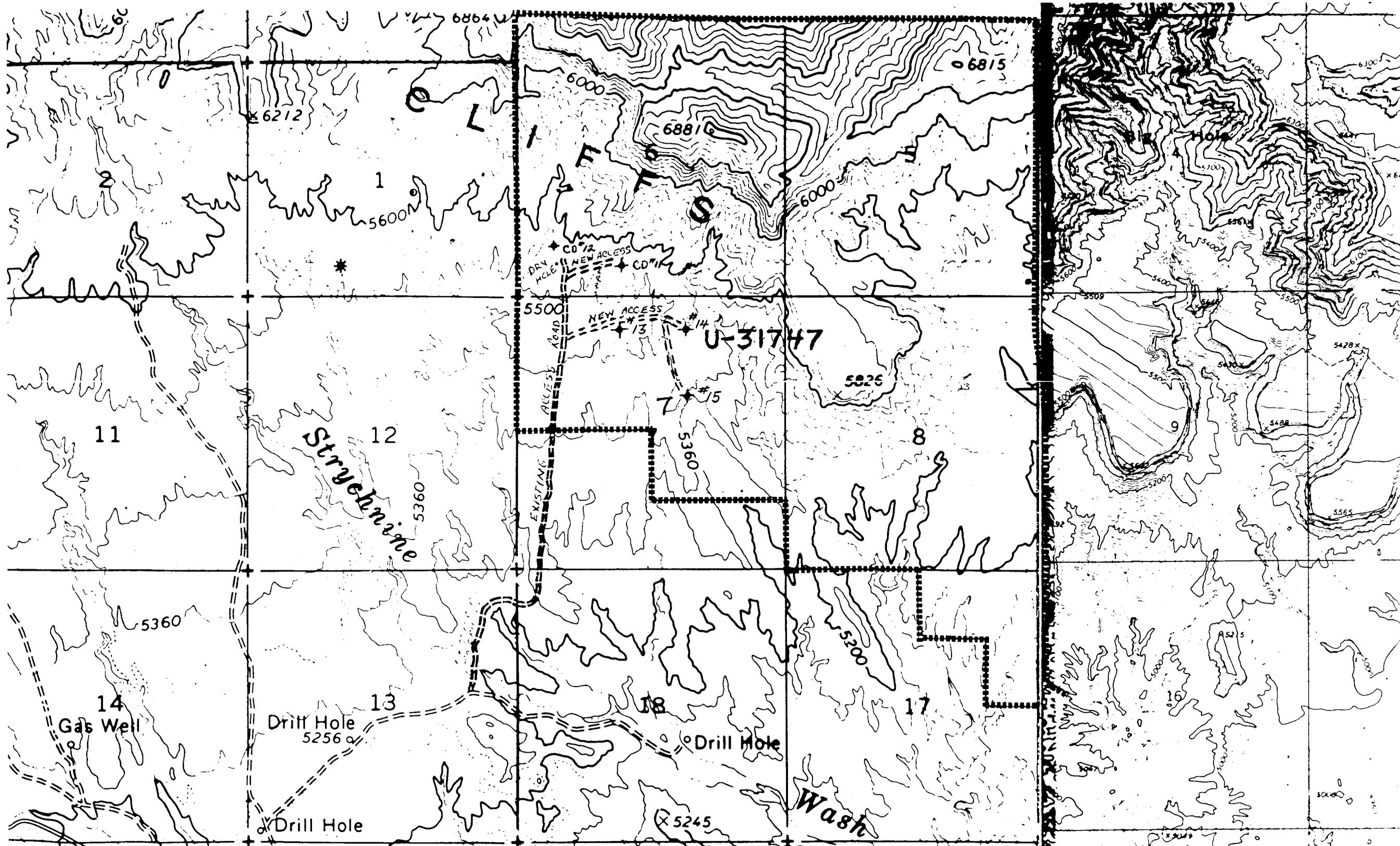
**CERTIFICATE OF SURVEY**

I, EDWARD F. CARPENTER, BEING A REGISTERED LAND SURVEYOR DO HEREBY CERTIFY THAT THE SURVEY OF DRILL SITE LOCATION CISCO WELL # 13, IN THE NE 1/4 NW 1/4 OF SECTION 7, T.20S., R.22 E., SALT LAKE MERIDIAN, GRAND COUNTY, UTAH AND THE PLAT THEREOF WAS MADE UNDER MY SUPERVISION.

*Edward F. Carpenter*  
 ED CARPENTER

PE. - L.S.# 12319

PLAT OF THE <b>CISCO WELL NO. 13</b> GRAND COUNTY, UTAH			
<b>TEMCO LTD.</b> GRAND JUNCTION, COLORADO			
STAKED BY: TEMCO	SCALE: 1"=1000'	DRAWN BY: N.P.B.	JOB NUMBER
SURVEYED BY: TEMCO	DATE: 10/21/80	CHECKED BY: E.F.C.	



Struelmine

U-31747

Wash

Gas Well

Drill Hole  
5256

Drill Hole

Drill Hole

5245

5826

5360

5200

6881.6

6815

6212

5600

5500

11

12

8

14

13

18

17

16

6864

6

2

1

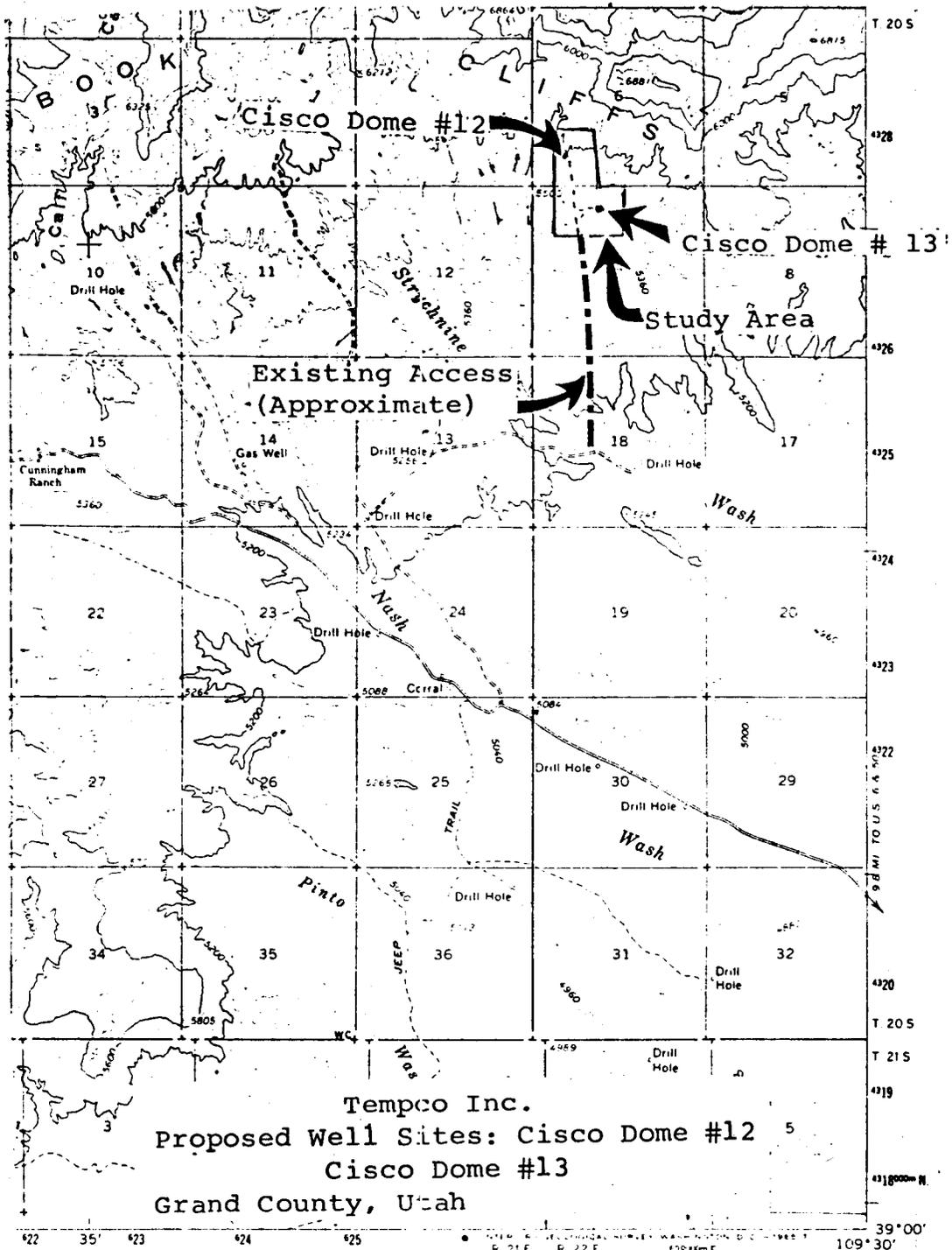
x6

x6

5

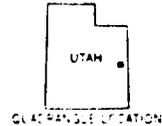
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1



Tempco Inc.  
 Proposed Well Sites: Cisco Dome #12  
 Cisco Dome #13  
 Grand County, Utah

ROAD CLASSIFICATION  
 Light duty      Unimproved dirt  
 ○ State Route



SEGO CANYON, UTAH  
 N3900—W10930/15

1963  
 SCALE 1:62500

CONTOUR INTERVAL 80 FEET  
 DOTTED LINES REPRESENT 40 FOOT CONTOURS  
 DATUM IS MEAN SEA LEVEL

UTM ZONE AND MAGNETIC NORTH  
 COORDINATION AT CENTER OF SHEET



FROGNOSIS FOR  
CISCO DRILLING & DEVELOPMENT CO.  
CISCO WELL #13

Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$  Section 7, T20S., R22E., S.L.M., Grand County, Utah (2350' from West line and 780' from North line).

Elevation: 5450' GR

Surface Casing: 150 feet of 7", 20.00#, K-55, R-3 casing set and cemented with 75 sks cement w/3% CaCl; with returns to the surface. The surface hole, 9 3/4", will be drilled to 150 feet K.B. and will be no more than 1° in deviation.

Expected Formation Tops:

<u>Formation</u>	<u>Depth to Top</u>	<u>Thickness</u>	<u>Datum</u>
Mancos Shale	Surface	2630	5450
Dakota Sandstone	2630	120	2820
Cedar Mountain	2820	190	2700
Morrison:			
Brushy Basin Shale	2875	55	2510
Salt Wash Sandstone	3160	285	2455
Summerville/Curtis	3420	260	2230
Entrada Sandstone	3460	-	1970

Total Depth to top of Entrada: 3465

1. It is planned to drill a 9 3/4" surface hole for the surface casing down to a depth of about 150 feet and set 7-inch casing with approximately 75 sks of cement with returns to the surface. A casing head or flange will be mounted on top of the surface casing and a blowout preventer with blind and pipe rams (hydraulic) will be mounted on top of the blowout preventer. A blewie line, at least 100 feet long, will then be attached to the rotating head and extended into the reserve pit.
2. A 6 1/2" hole will then be drilled below the surface casing, using air for circulation. A flare will be maintained at the end of the blewie line while drilling below 1200'. This will insure that no gas will be missed. The air drilling will also minimize the damage to the hydrocarbon reservoir.

3. Samples of the cuttings will begin at 1200'. 30-ft. samples will be taken from 1200' to 1600', and then 10-ft. samples will be taken from 1600' to total depth.
4. It is planned to drill the well to a depth which is approximately 50 feet below the top of the Entrada formation unless good commercial-flow of gas is obtained above this depth.
5. If a high gas flow (several million cubic feet) and/or when the total depth of the well is reached, electric logs will be run. Prior to running logs, high viscosity mud (not less than 100 vis.) will be pumped into the hole to provide control of the gas and to provide a conductive medium for the logs. A dual-induction-laterolog will be run from bottom to the top of the hole, and a gamma-density and compensated neutron porosity log will be run from the bottom to a point which is 150' above the top of the Dakota formation.
6. If good production (over 750 MCF) is obtained, 4 1/2" O.D., 10.50#, K-55, R-3 new casing will be run and cemented conventionally with sufficient R.F.C. cement to cover 200' above the top of the Dakota formation. The production zone will then be perforated, 2 3/8" O.D. tubing run, and completed conventionally.
7. It is anticipated that the drilling of the well will require less than one week.

WELL CONTROL EQUIPMENT FOR  
CISCO DRILLING & DEVELOPMENT CO.  
CISCO #13 WELL  
NE $\frac{1}{4}$ NW $\frac{1}{4}$  SEC. 7. - T20S-R22E  
GRAND COUNTY, UTAH

The following control equipment is planned for the above designated well: (See attached diagram)

1. Surface Casing:

- A. Hole size for surface casing is 9 3/4".
- B. Setting depth for surface casing is approximately 150 feet.
- C. Casing specs. are: 7 in. O.D., K-55, 20.00#, 8 rd. thread, R-3 new or used.
- D. Anticipated pressure at setting depth is approx. 20 lbs.
- E. Casing will be run using three centralizers and a guide shoe, and will be cemented with 75 sks of cement with returns to the surface.
- F. Top of the casing will be near ground level.

2. Casing Head:

Flange size: 10", A.P.I. Pressure rating: 200# W.P., Serier 600; Cameron, OCT, or equivalent; new or used; equipped w/two 2" ports with nipples and 2", 200# W.P. ball or plug valves. Casing head and valves set above ground level. (A flange only may be used on top of the casing, if the B.O.P. is equipped with 2" outlets below the blind rams.)

3. Intermediate Casing:

None

4. Blowout Preventors:

- A. Double rams; hydraulic; one set of blind rams; one set of rams for 3 1/2" or 4" drill pipe; 10" flange; 2000# or greater W.P.: Series 900; equipped with mechanical wheels and rod for back-up; set on top of casing head flange and securely bolted down, and pressure tested for leaks up to 2000# p.s.i. A hydraulically operated hy-drill may be used in place of the above B.O.P., if equipped with 2" outlets below the rams.
- B. Rotating Head: Shaffer, Grants or equivalent; set on top of blowout preventor and bolted securely; complete with kelly drive, pressure lubricator; 3 1/2" or 4" rubber for 2000# W.P.; need not have hy-drill assembly on bottom, if a separate hy-drill or B.O.P. is used.

- C. Fill and Kill Lines: The fill and kill lines (2" tubing or heavy duty line pipe) are to be connected thru the 2" valves on the casing head and thru a manifold to permit ready switching from the fill to kill lines.
5. Auxillary Equipment:  
A float valve is to be used in the bottom drill collar at all times. A safety valve that can be used in the drill pipe will be kept within easy reach on the rig floor at all times.
6. Anticipated Pressures:  
The shut-in pressures of the Dakota, Cedar Mountain, and Morrison formations at depths of 2000' to 3000' in the area have been measured at about 600# to 800# maximum.
7. Drilling Fluids:  
Air will be used to drill the subject well until water is encountered, then air-soap-water mist will be used to drill the well deeper. In case of excessive caving problems, it may be necessary to convert to mud.
8. Production Casing:  
A. Hole size for production casing will be 6 1/2".  
B. Approximate setting depth will be about 2300'.  
C. Casing Specs. are: 4 1/2" O.D.: K-55, 10.50#; 8-rd thread; R-3, new.  
D. If good production is obtained, the casing will be run with a guide shoe at the bottom and about six centralizers and cemented conventionally with sufficient R.F.C. cement to cover 200 ft. above the top of the Dakota formation. The production zone will be perforated, 2 3/8" O.D. tubing will be run, and the well completed conventionally. In the event production is small, it may be desirable to minimize the damage to the formation by keeping all mud and cement off the formation. In this case the procedure outlined below will be used.  
E. Casing will be run with about six centralizers and a cement basket with DV tool set above the production zone. There will be sufficient casing to extend thru the production zone below the basket with a blind guide shoe on the bottom. The casing will be cemented above the packer with about 85 sks of cement (sufficient to cement thru the Dakota formation). The cement will be allowed to cure at least 48 hrs. The plug can then be drilled out and the casing perforated below the DV tool. Two inch tubing will be run and secured in the tubing head prior to perforating.

Surface Use Plan

Cisco Drilling & Development Inc.

Cisco Well #13

1. EXISTING ROADS - Area Map Exhibit "B" is a reproduction of portions of Sege Canyon, Cisco Springs Quadrangles
  - A. Exhibit "A" shows the proposed well site as staked. Drill site and directional reference stakes have been completed and flagged during our on-site field work.
  - B. From the west exit of Interstate 70, proceed along state road 347 approximately 2 miles to existing county road. Proceed north-westerly along said road a distance of approx. 15 miles to intersection with dirt road located in N $\frac{1}{4}$ , Sec. 25, T20S, R21E.
  - C. Access roads to the location are labeled on map, Exhibit "B".
  - D. This is an exploratory well. Existing public and ranch roads within a three mile radius are shown on map, Exhibit "B", and consist of a sandy-dirt surface.
  - E. The existing roads will require little grading, with no additional road material necessary. With production, we anticipate having to grade and crown the roads into the well location but should not have any problems with the existing main approach roads.
  
2. PLANNED ACCESS ROAD
  - 1) The width of the existing road is about 12 feet and is not expected to be wider than 16 feet.
  - 2) The maximum anticipated grade from the preliminary survey will not exceed 5% grade.
  - 3) No turnouts will be necessary on the access road.
  - 4) There will be no ditches or water turnouts necessary because the main access roads are already in this area.
  - 5) No culverts or major cuts or fills will be necessary on the access road.
  - 6) We anticipate not using any surfacing material for the access roads.
  - 7) No gates, cattleguards, or fence cuts will be necessary.
  - 8) All new roads or reconstructed roads have been center-line flagged; there will be one low water crossing on the new approach road, shown on map, Exhibit "B".

3. LOCATION OF EXISTING WELLS WITHIN TWO MILE RADIUS

- 1) Water wells - None
- 2) Abandoned wells - See Exhibit "B"
- 3) Temporarily abandoned wells - None
- 4) Disposal wells - None
- 5) Drilling wells - See Exhibit "B"
- 6) Producing wells - See Exhibit "B"
- 7) Shut-in wells - See Exhibit "B"
- 8) Injection wells - None
- 9) Monitoring or observation wells - None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Presently, the Lessee does not control or own any tank batteries, production facilities, oil, gas, injection or disposal lines within a one mile radius.
- B. A plan for the anticipated production equipment, if the well is successful, is submitted on Plat No. 2. This location should stay within the boundary of the proposed well pad. The dimensions of the pad are 106'x150'. No additional construction materials will be required. Protective measures for livestock and wildlife will include all pits being fenced on three sides during drilling and will be fenced on the fourth side and overhead flagging installed after drilling is completed and prior to filling.
- C. Areas not needed for production equipment will be surface graded, contoured and reseeded to normal topography.

5. LOCATION AND TYPE OF WATER SUPPLY

Since the proposed well is to be drilled with air for circulation, very little water will be required. The water needed will be hauled by truck to the location by Colorado Pacific Petroleum (see accompanying permit), located in Grand Junction, Colorado. They will get their water at Cisco Springs or from the Colorado River. No water well will be drilled on this lease.

6. SOURCE OF CONSTRUCTION MATERIALS

No additional road material, gravel, sand or culverts will be required. There will be no low water crossings on the approach road to Cisco Well. All existing, new and reconstructed, roads are outlined on the enclosed map. Upon production, only existing materials on the site will be used for permanent road. The surface and mineral ownership are both held by U.S.A.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reservoir and burn pit will be constructed at the well site as shown on Plat No. 3. All excess water, mud, and drill cuttings will be deposited into the reservoir pit. All material and garbage will be put into the trash container and removed from location. A chemical toilet will be furnished for human waste. The approximate dimensions of the reservoir pit are shown on Plat No. 3. When the pits are dry and the weather permitting, all pits will be folded in and covered after cessation of drilling operation. Any oil left on the surface of the reservoir pit will be either skimmed off or burned off prior to covering the reservoir pit. The reservoir pit will also be fenced on three sides during drilling and will be fenced on the fourth side and overhead flagging installed after drilling is completed and prior to filling.

8. ANCILLARY FACILITIES

No camp facilities other than two or three house trailers at the well Site will be needed. No air strips will be required.

9. WELL SITE LAYOUT

A plan for the drilling equipment layout required for the drilling of the proposed well is shown on Plat No. 3. The approximate dimensions of the site, direction of drill rig setting, reservoir pit location with dimensions, and equipment arrangements are shown on this plat. The drilling site is located on the east side of the Strychnine Wash on an area 100'x150' and slopes from the north to the south. The top soil (approximately 1 foot) will be stockpiled in the southwest corner of this drill site. A cross section of this area is provided in the lower left hand side of Plat No. 3. The maximum cut will be 2'-3' along the north sides. The reservoir pit will be placed on the west side of the site and will be unlined.

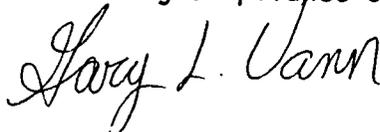
10. PLANS FOR RESTORATION OF SURFACE

After drilling operations have been concluded, and the equipment removed, the well site will be cleaned, rat hole and mouse hole filled in; the cellar filled in around well marker or well head; the location and roads leveled and restored to the normal topography; top soil spread back over the location and reseeded if the well is unsuccessful. If the well is completed for production, the location will be cleaned and leveled for the production equipment; oil on pits will be either skimmed off or burned off; the pits will be folded in and leveled. This work will be conducted as soon as feasible, hopefully, within 60 days after the drilling equipment has been removed. When drilling is completed, we will reseed during the more favorable November-December period by drill.

11. OTHER INFORMATION

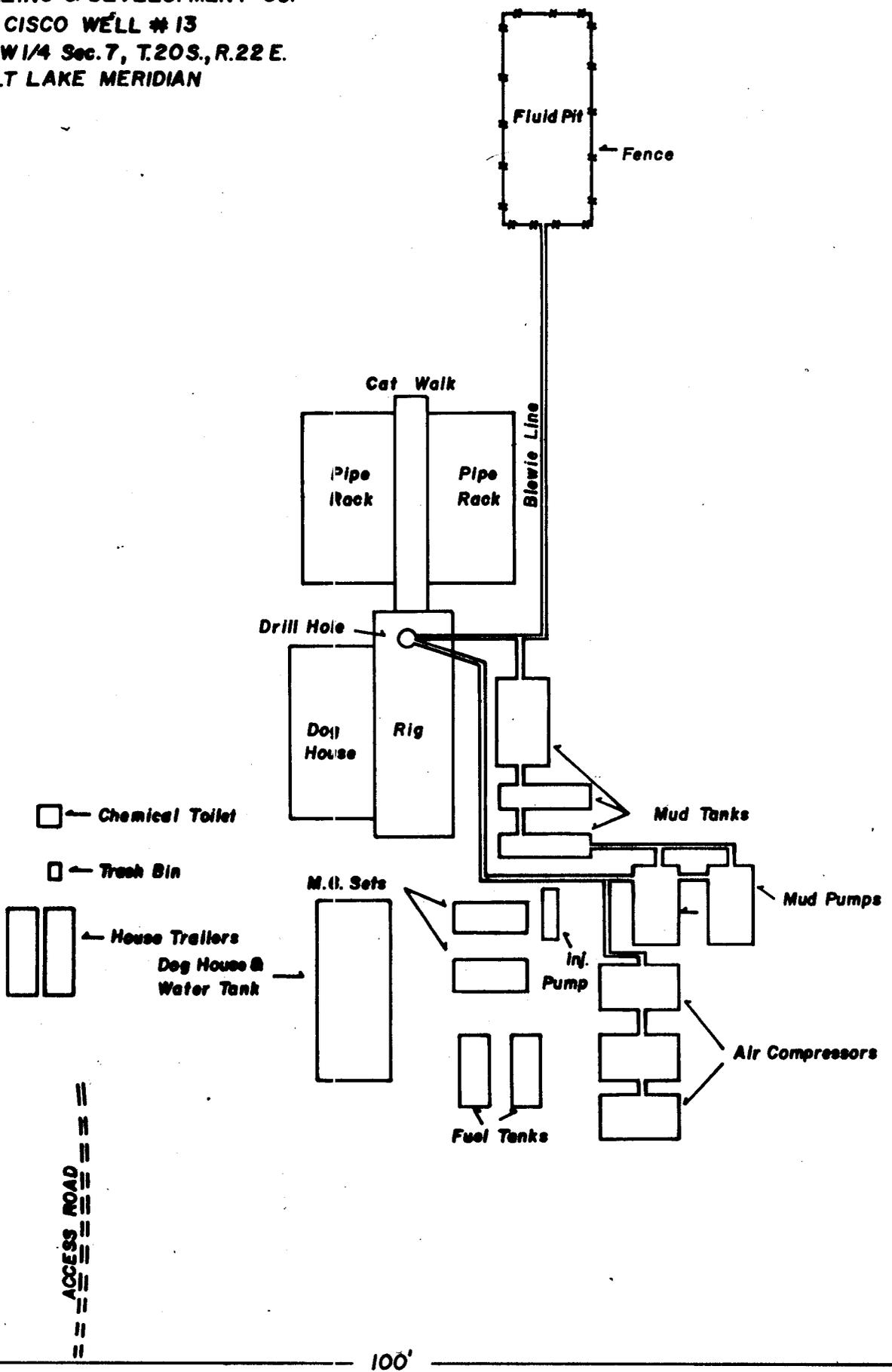
Topography of the land is a desert highland consisting of erosional hills, mesas and plateaus. Upper Sonoran Zone greasewood, salt brush, sagebrush, rabbit brush grow in a sandy loam saline soil, which supports various insect, rodent and reptile populations. There are no known archaeological, historical or cultural sites in the area. There are no occupied dwellings in the area. The surface and mineral ownership are both held by the U.S.A.

12. Field Representative who can be contacted concerning compliance of this Surface Use Plan is:

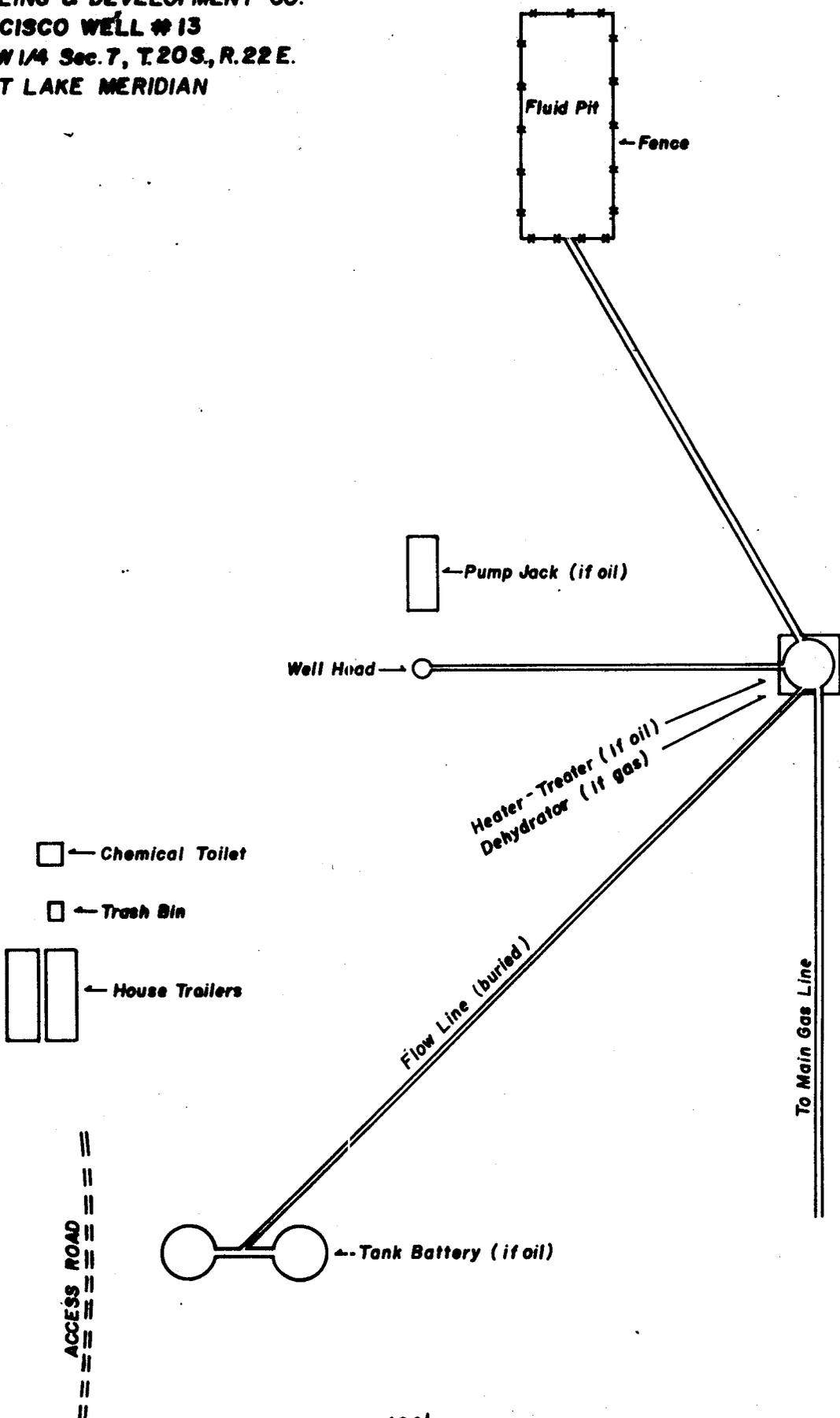


Gary L. Vann  
840 Rood Ave.  
Grand Junction, CO 81501  
(303) 245-3505

CISCO DRILLING & DEVELOPMENT CO.  
 CISCO WELL #13  
 NE 1/4NW1/4 Sec.7, T.20S., R.22 E.  
 SALT LAKE MERIDIAN



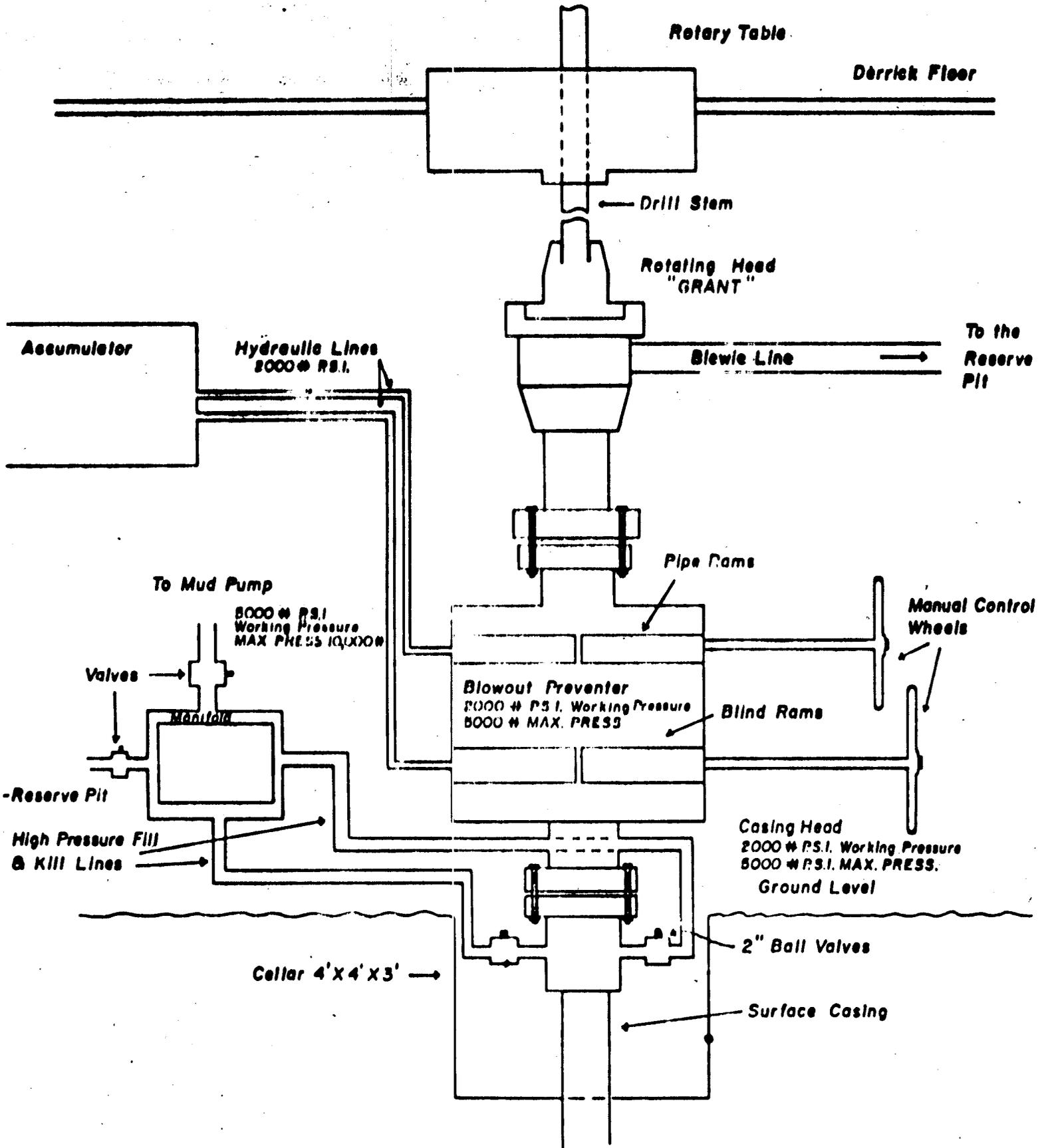
**PLAN FOR PRODUCTION EQUIPMENT**  
**CISCO DRILLING & DEVELOPMENT CO.**  
**CISCO WELL # 13**  
**NE 1/4 NW 1/4 Sec. 7, T.20S., R.22 E.**  
**SALT LAKE MERIDIAN**

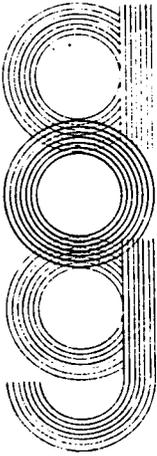


180'

**SCHEMATIC DIAGRAM OF  
CONTROL EQUIPMENT FOR THE  
CISCO DRILLING & DEVELOPMENT CO.**

**CISCO WELL # 13  
NE 1/4 NW 1/4 Sec. 7, T.20S, R.22E.  
SALT LAKE MERIDIAN**





# ambra oil & gas co.

Suite 420-430  
115 South Main - Salt Lake City, Utah 84111  
(801) 532-6640  
NASDAQ: AOGC

RECEIVED NOV - 5 1980

November 3, 1980

TMCO Limited  
840 Rood Avenue  
Grand Junction, CO 81501

ATTN: Jim Kyle

Dear Mr. Kyle:

This letter authorizes TMCO Limited to purchase waters from us at Cisco Springs, Grand County, Utah. Ambra Oil and Gas hereby contracts that it is the owner of one acre of foot per year of water from Cisco Springs. This is a new allocation, and Ambra Oil and Gas has used none of this water to date. Therefore, the agreed rate established is \$10 per load (2,000 gallons) will become due and payable up removal of this water.

Ambra Oil and Gas Company hereby authorizes TMCO to use up to 10 loads (20,000 gallons of water).

Sincerely yours,

Kerry M. Miller  
Production Manager

KMM/jj

cc: Tony Cox  
Wes Pettingill

\*\* FILE NOTATIONS \*\*

DATE: Nov. 10, 1980

OPERATOR: Cisco Drilling & Development Co.

WELL NO: Cisco Federal #13

Location: Sec. 7 T. 20S R. 22E County: Grand

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-019-30739

CHECKED BY:

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

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

Administrative Aide: ok as per spacing 102-16B  
\_\_\_\_\_  
\_\_\_\_\_

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 102-16B-9/26/76

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

Plotted on Map

Approval Letter Written

Hot Line

P.I.

November 19, 1980

Cisco Drilling & Development Company  
840 Road  
Grand Junction, Colorado 81501

Re: Well No. Cisco Federal #13  
Sec. 7, T. 20S, R. 22E  
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 102-16B dated September 26, 1979.

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 - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

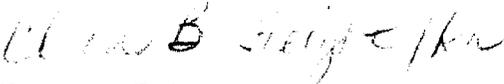
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

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 43-019-30739.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

  
Cleon B. Feight  
Director

/ka  
cc: USGS

**DUPLICATE**

SUBMIT IN TRIPLICATE\*  
(Other Instru on reverse)

Form approved,  
Budget Bureau No. 42-R1425.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Bond # U9006401

**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  
 Cisco Drilling & Development Company

3. ADDRESS OF OPERATOR  
 840 Rood Ave. Grand Junction, CO 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface  
 NE 1/4 NW 1/4, Section 7, T20S, R22E  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 15 miles Northwest of Cisco, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 1650

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 1800'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5420 GR

**RECEIVED**

JAN 22 1981

DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
 U-17245 U-31747

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

7. UNIT AGREEMENT NAME  
 N/A

8. FARM OR LEASE NAME  
 Federal

9. WELL NO.  
 Cisco Dome #13

10. FIELD AND POOL, OR WILDCAT  
 Greater Cisco Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 7, T20S, R22E

12. COUNTY OR PARISH  
 Grand

13. STATE  
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 3/4"	7"	20.00#	150'	75 sax cement thru production zone and cemented 200' above Dakota Formation.
6 1/2"	4 1/2"	10.50#		

It is planned to drill a well at the above location to test the oil production possibilities of the sands in the Dakota, Cedar Mountain, and Morrison formations. The well will be drilled to a point which is into the top of the Entrada formation or to commercial production. Rotary tools with air for circulation until water is encountered, then drilling fluid will be used to drill the well. The surface casing will be set at about 150 ft. and cemented with returns to the surface. A blowout preventer with hydraulically operated blind and pipe rams will be installed on top of the surface casing; and a Kelly cock and safety sub on the derrick floor will provide protection from pressures and temperatures. 2-inch Fill and Kill lines will be connected below the blind rams. Any oil encountered will be flared at the end of the blowout line, and roughly checked for volume thru a 2-inch line after the pipe rams have been closed. A float valve will be used in the bottom drill collar at all times.

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 Gary L. Vann TITLE Field Representative DATE 11/5/80

(This space for Federal or State office use)

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

APPROVED BY (Orig. Sgd.) R. A. Henricks TITLE FOR E. W. GYNN DISTRICT ENGINEER DATE JAN 20 1981

CONDITIONS OF APPROVAL, IF ANY:

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

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

NOTICE OF APPROVAL

Production Facilities and Flowline NOT Approved

*State Oil & Gas*

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/Project Name Cisco Drilling and Development Co. Cisco Dome No. 13

Project Type Development Oil Test

Project Location 1980' FWL, 660' FNL, Section 7, T20S, R22E, Grand County, Utah

Date Project Submitted November 21, 1980

FIELD INSPECTION Date January 8, 1981

Field Inspection

- Participants Jim Kyle - Operator's representative
- Chip Hopkins - Dirt contractor
- Jim Lucas - Colorado-Pacific
- Jeff Robbins - BLM
- Glenn Doyle - USGS

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.

January 16, 1981

Date Prepared

Glenn M. Doyle  
Environmental Scientist

I concur

1/19/81  
Date

E. W. [Signature]  
District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (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					1,2				
2. Unique charac- teristics					1,2				
3. Environmentally controversial					1,2				
4. Uncertain and unknown risks						4			
5. Establishes precedents					1,2				
6. Cumulatively significant					1,2				
7. National Register historic places	1-1/14/81								
8. Endangered/ threatened species	1-1/14/81								
9. Violate Federal, State, local, tribal law						4			3

Site-specific stipulations attached

COMMON REFERENCE LIST

NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

Site-Specific Stipulations

- 1) Reroute the access to the north, maintaining at least a 75' buffer zone between it (the access) and the blooie pit.
- 2) All available topsoil will be stockpiled on the northeast corner of the wellpad.
- 3) Fence the reserve pit on three sides prior to drilling and on the fourth side once the rig moves off.



# United States Department of the Interior

IN REPLY REFER TO  
3100  
(U-603)

BUREAU OF LAND MANAGEMENT  
Moab District  
Grand Resource Area  
P.O. Box M  
Moab, Utah 84532

## Memorandum

To: Oil & Gas Office  
USGS Conservation Division  
P.O. Box 3768  
Grand Junction, CO 81502

From: Acting Area Manager, Grand

Subject: Application to Drill: U-31747  
Cisco Dome #13  
Section 7, T. 20 S., R. 22 E.  
Grand County, Utah

On January 8, 1981 a representative from this office met with Glenn Doyle, USGS, and Jim Kyle, agent of the Cisco Drilling and Development Company for an inspection of the above referenced location. Subject to the attached condition and an approved Permit to Drill from the USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Cisco Drilling and Development Company.

*M. Scott Parker*

Enclosures (2)  
1-Reclamation Procedure  
2-Suggested Color Hues



JAN 14 REC'D

*Save Energy and You Serve America!*

STIPULATIONS FOR CISCO DOME #13

- 1) Contact this office at least 48 hours prior to starting on this location again!
- 2) If changes need to be made relating to the excavation of the site the USGS and/or BLM must be notified prior to making changes. Otherwise the operator will be expected to excavate according to the standards set forth by the NTL-6 and application for permit to drill.
- 3) The access road will have proper low water crossings installed. Where the access road enters onto the location, this portion has been re-located to come over the North end of the pad and enter from the Northeast corner.
- 4) Because of the road change, the topsoil pile has been relocated to the Northeast side of the location.
- 5) Producer:
  - A) The access road will be upgraded to permanent road specification so to facilitate tank truck traffic.
  - B) Production facilities are not approved at this time.
  - C) Colors for the production facilities have been enclosed in this permit.
  - D) That portion of the topsoil not used in restoration will be seeded with the grasses from the seed mixture.
- 6) Plugged and Abandoned:
  - A) The only item that was not attended to in the APD was that on specific portions of the access road there are needs for water-bars.
  - B) A seed mixture will be prepared at the time the operator is ready to use it.
  - C) The BLM will be notified when the operator intends to begin the restoration of the surface and at the time the operator intends to revegetate the site.

## RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
  - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
  - a. Lay berms into centers.
  - b. Use cut material for fill areas.
  - c. Lay stockpiled surface soil over top of pads and spread evenly.
  - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
  - e. Do not smooth pads cut, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

* 2 percent	Grade	-	200 ft. intervals
2-4 percent	Grade	-	100 ft. intervals
4-5 percent	Grade	-	75 ft. intervals
5 percent	Grade	-	50 ft. intervals

\* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

## SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

### Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

### Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears).

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

BEFORE THE BOARD OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES AND ENERGY  
in and for the STATE OF UTAH

*Sandy  
File in well  
file 7*

-----  
IN THE MATTER OF THE APPLICATION )  
OF CISCO DRILLING & DEVELOPMENT ) ORDER  
COMPANY FOR AN EXCEPTION TO THE )  
WILDCAT WELL SPACING PATTERN ) CAUSE NO. 102-37  
ESTABLISHED BY THE ORDER ISSUED )  
IN CAUSE NO. 102-16B )

-----  
This cause came on for hearing before the Board of Oil, Gas and Mining at 10:00 a.m., on Thursday, August 27, 1981, in the Wildlife Resources Auditorium, 1596 West North Temple, Salt Lake City, Utah, pursuant to an Order to Show Cause why an exception to the wildcat well spacing pattern established by the Order issued in Cause No. 102-16B should not be allowed.

The following Board Members were present:

Charles R. Henderson, Chairman

Herm Olsen

E. Steele McIntyre

Margaret R. Bird

John L. Bell

NOW, THEREFORE, the Board, being fully advised in the premises, finds as follows:

1. Due and regular notice of the time, place and purpose of the hearing was given to all interested parties in the form and manner and within the time required by law and the rules and regulations of the Board; and
2. No objections were received or appearances made entering objections to the application; and
3. There will be no violation of correlative rights by the granting of said application.

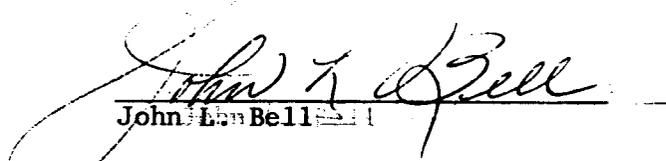
IT IS THEREFORE ORDERED BY THE BOARD THAT the application of Cisco Drilling & Development Company be granted allowing an exception to the provisions of the Order issued in Cause No. 102-16B so as to permit the drilling of a well 500 feet from the west line and 2278 feet from the north line of Section 7, Township 20 South, Range 22 East, SLBM, Grand County, Utah.

DATED this 27th day of August, 1981.

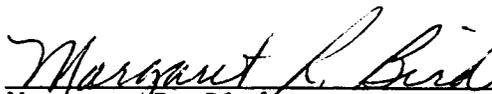
STATE OF UTAH  
BOARD OF OIL, GAS AND MINING

  
Charles R. Henderson, Chairman

  
Herm Olsen

  
John Lee Bell

  
E. Steele McIntyre

  
Margaret R. Bird

Minerals Management Service  
2000 Administration Building  
1745 West 1700 South.  
Salt Lake City, Utah 84104-3884

February 2, 1982

Cisco Drilling and Development  
840 Wood Ave.  
Grand Junction, Colorado 81501

Re: Return Application for  
Permit to Drill  
Well No. 13  
Section 7, T. 20S., R. 22 E.  
Grand County, Utah  
Lease No. U-31747

Well No. 20  
Section 6, T. 20S., R. 22E.  
Grand County, Utah  
Lease No. U-31747

Gentlemen:

The Application for Permit to Drill the referenced wells were approved January 20, 1981. Since that date no known activity has transpired at the approved locations. 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 applications without prejudice. If you intend to drill at these locations 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 these drill sites. Any surface disturbance associated with the approved locations of these wells is to be rehabilitated. A schedule for this rehabilitation must, then be submitted.

Your cooperation in this matter is appreciated.

Sincerely,

E. W. Gynn  
District Oil and Gas Supervisor

bcc: SMA  
✓State Office (O&G)  
State Office (BLM)  
MMS-Vernal  
Well File  
APD Control

RAH/db