

November 18, 1982

Walter D. Broadhead  
1645 North 7th  
Grand Junction, Colorado 81501

RE: Well No. Fed. Cisco No. 5  
Sec. 29, T.20S, R.24E  
Grand County, Utah

Gentlemen:

Our records indicate you have filed federal application for permit to drill Well No. Fed. Cisco No. 5, but have not yet filed application with the State of Utah. Applications must receive State approval in addition to federal approval in order to commence drilling.

Please provide the necessary application for permit to drill, or otherwise advise on the status of the permit. A copy of the federal application with attachments and cover letter is acceptable.

Respectfully,

  
Norm Stout  
Administrative Assistant

NS/as

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  
 WALTER D. BROADHEAD

3. ADDRESS OF OPERATOR  
 1645 North 7th, Grand Junction, CO 81501 (303/242-7717)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface: 2040' FNL & 2348' FWL, in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ , of Section 29  
 At proposed prod. zone: approximately same

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 292'

16. NO. OF ACRES IN LEASE  
 320

18. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 3000'

19. PROPOSED DEPTH  
 750' SALT WASH

17. NO. OF ACRES ASSIGNED TO THIS WELL

20. ROTARY OR CABLE TOOLS  
 rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 GR 4535'

22. APPROX. DATE WORK WILL START\*  
 November 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 5/8"	7"	17#	100'	circulate cement to surface
6 1/4"	4 1/2"	9.5#	TD	50 sx cement

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" Ten-Point Compliance Program
- "C" Blowout Preventer Diagram
- "D" Multi-Point Requirements for APD
- "E" Route & Distance Road Map & Radius Map
- "F" Access Road & Topo Map
- "G" Drill Pad Layout
- "H" Drill Rig Layout
- "I" Production Facility Layout
- "J" Lease Map

**RECEIVED**

JAN 12 1983

DIVISION OF  
OIL, GAS & MINING

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

DATE: 10/5/81  
BY: [Signature]

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

24. SIGNED Walter D. Broadhead TITLE Operator DATE October 5, 1981

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] E. W. Guynn  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ TITLE District Oil & Gas Supervisor DATE OCT 29 1982

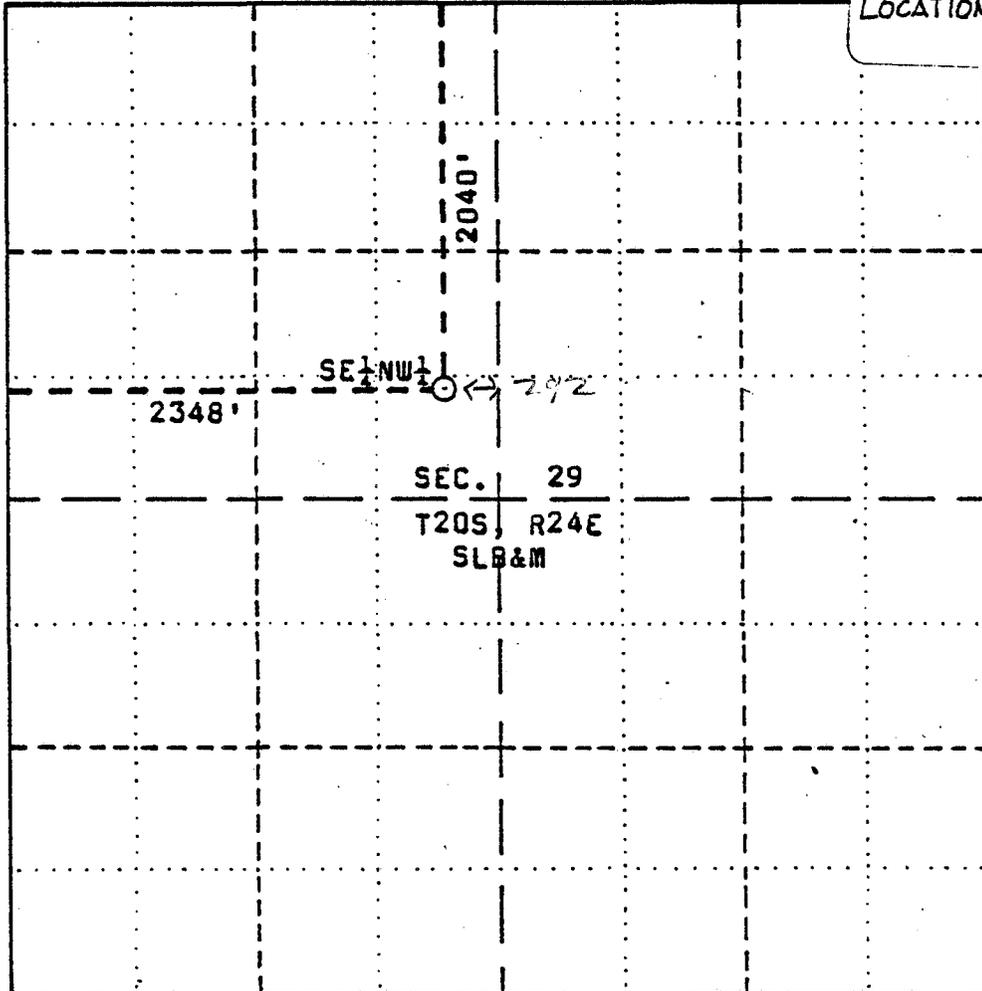
NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

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

*Operator*

EXHIBIT 'A'  
LOCATION & ELEV. PLAT



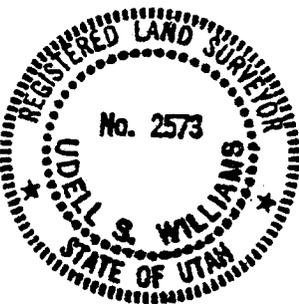
SCALE: 1" = 1000'

FEDERAL CISCO NO. 5

Located South 2040 feet from the North boundary and East 2348 feet from the West boundary of Section 29, T20S, R24E, SLB&M.

Elev. 4535

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  
FEDERAL CISCO NO. 5  
SE 1/4 NW 1/4 SECTION 29  
T20S, R24E, SLB&M

SURVEYED BY: USW DATE: 4/9/80

DRAWN BY: USW DATE: 4/19/80



EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM OF NTL-6

APPROVAL OF OPERATIONS

WALTER D. BROADHEAD  
Federal Cisco No. 5  
SE $\frac{1}{4}$ NW $\frac{1}{4}$ , Sec 29, T20S, R24E, SLB&M  
Grand County, Utah

1. Geologic Surface Formation

The surface formation is Mancos.

2. Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Salt Wash	675

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

<u>Formation</u>	<u>Depth</u>	<u>Fluids</u>
Salt Wash	700	Gas and/or Oil and/or Water

4. Proposed Casing Program

Surface Casing:

- (a) Drill 8 5/8" hole to 100' and set 7" 17-lb. cemented to surface.
- (b) Drill 6 1/4" hole to 750' and set 4 1/2" 9.5-lb. with 50 sx cement.

5. Operator's Minimum Specifications for Pressure Control

Exhibit "C" is a schematic diagram of the blowout preventer equipment planned for use in this well. The BOP's will be hydraulically tested to 1000 psi after nipping up and after any use under pressure. Pipe rams will be operationally checked each trip. All tests will be recorded in the daily drilling report. Accessories to BOP's include Kelly Cock, safety valve, drill string BOP and choke with pressure rating equivalent to the BOP stack.

6. Type of Characteristics of Proposed Muds

The well will be drilled with air and air mist until water is encountered, then it will be completed with mud. One hundred barrels of 8.5 to 9-lb. mud will be mixed up for use in drilling or in the event it is needed to kill well or logging operations.

7. Auxiliary Equipment to be Used

- (a) Kelly Cock will be kept in the string.
- (b) A full opening stabbing valve will be on the floor for use, when the Kelly is not in the string.
- (c) A float will be run at the bit.
- (d) Monitoring equipment will be installed and used on the mud system.

8. The Testing, Logging and Coring Programs

- (a) Drill stem tests are not planned at this time.
- (b) The logging program will consist of Induction Electric & Compensated Nuclear Density.
- (c) No coring is planned.
- (d) Drilling samples will be caught at 20' intervals BSC to 300'; from 300' to TD samples at 5' intervals.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

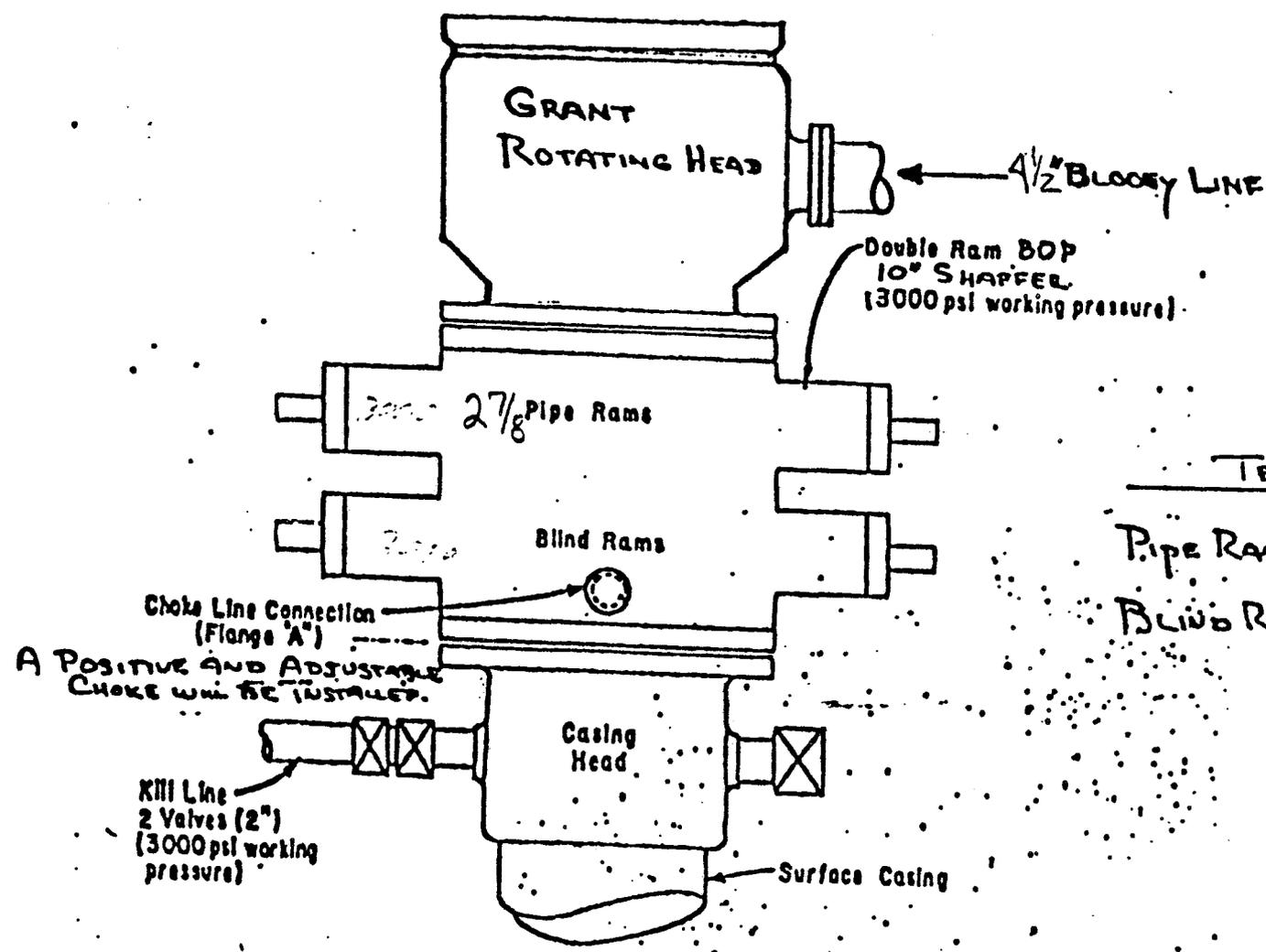
No abnormal gas pressures or temperatures are expected. No hydrogen sulfide or other hazardous gasses or fluids have been reported in the area.

10. Anticipated Starting Date and Duration of Operations

The anticipated starting date is in November 1981, or as soon as possible after approval of all drilling requirements.

Drilling operations should be completed 3 to 4 days after spudding.

Watten Diagnostics 5  
29-205-24E



TESTING FREQUENCY

PIPE RAMS: DAILY  
BLIND RAMS: EVERY TRIP

Walter D. Broadhead  
Well No. Cisco 5  
Section 29, T.20S., R.24E.  
Grand County, Utah  
Lease U-034745

Supplemental Stipulations

CONSTRUCTION:

- 1) The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
- 2) Use of water from sources such as wells, springs, streams, or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
- 3) If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office will be contacted. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
- 4) New road construction will be limited to an allowable travel surface width of 16 feet.

Topsoil and vegetation will be windrowed along the North side of the road.

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

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

- 5) Location: Pad size will be reduced to 100 feet X 100 feet disturbed area leveled for the rig and steel mud tanks.
- 6) The top 6 inches of soil material will be removed from the location and stockpiled on the North east corner of the location.
- 7) The reserve pit will not be lined with commercial bentonite or plastic. Keyway. The reserve pit banks will be 1.5 to 2.0 feet above pad and constructed in 8" lifts, machinery compacted, and sufficiently wide for equipment to pass over. Pit(s) will be 20 feet long X 20 feet wide X 5 feet deep.
- 8) Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying. The fence will be 48 inches high woven wire with a strand of barbed wire along the top for support.

- 9) The access road will enter from the Southeast corner of the location.
- 10) The blooie line will be misted to insure dust control.
- 11) A trash cage will be used.
- 12) Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Dakota. Please also provide two copies of drilling logs.

Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.

## PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. All of the stockpiled topsoil will be used in reclaiming the unused areas.
2. All above-ground production facilities will be painted using the attached suggested colors.

## REHABILITATION

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash cage. Non-burnable debris will be hauled to a local town dump site.
2. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801 259-6111), 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal etc.) it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 6 inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be (broadcast/~~XXXXXX~~) at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover. Broadcast seed will be two times the pounds/acre on the enclosed seed list.
8. Waterbars will be used on all sloping surfaces as shown below:

<u>Grade</u>	<u>Spacing</u>
2%	200 ft. spacing
2-4%	100 ft. spacing
4-5%	75 ft. spacing
+5%	50 ft. spacing

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

SEED MIXTURE

Species		Rate
<u>Grasses</u>		<u>lbs/acre</u>
Oryzopsis hymenoides	Indian rice grass	1
Hilaria jamesii	Curley grass	1
<u>Forbs</u>		
Sphaeralcea coccinea	Globemallow	1
<u>Shrubs</u>		
Atriplex nuttallii	Nuttal Saltbush	1
Atriplex confertifolia	Shadscale	1
Ceretoides lanata	Winterfat	1
		<hr/>
		6

Double this amount if the seed will be broadcast.



# 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.

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

(1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

(2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.

(3) All disturbed areas not required for operations will be rehabilitated.

(4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.

(5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.

(6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.

(7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.

(8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.

(9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.

(10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.

(11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.

(12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

EXHIBIT "D"

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

WALTER D. BROADHEAD  
Federal Cisco No. 5  
SE $\frac{1}{4}$ NW $\frac{1}{4}$ , Sec 29, T20S, R24E, SLB&M  
Grand County, Utah

1. Existing Roads

- A. Exhibit "A" is the proposed well site as staked by Udell S. Williams, and the ground elevation is shown thereon.
- B. Exhibit "E" is the route and distance road map. The location is a total of 5.1 miles Northeasterly from Cisco, Utah. To reach the location travel Northeasterly from Cisco 5.0 miles on old U.S. Highway 6 & 24 to the interchange on Interstate 70; go under I-70 0.1 mile; turn left at the end of the pavement and go approximately 250' to where the location lies on the right, just North of the road.
- C. Exhibit "F" is a print of a portion of the Danish Flat, Utah, Quadrangle and shows the eaccess road into the location.
- D. All known existing roads appear on Exhibits "E" and "F".
- E. This is considered a Wildcat Well.
- F. The roads leading to this location are in good condition to carry the traffic for this well.

2. Planned Access Roads

There is no new access road necessary for this location.

3. Location of Existing Wells

For all existing wells within a two-mile radius of the wildcat well, see Exhibit "E".

- (1) There are no water wells.
- (2) There are no abandoned wells.
- (3) Temporarily abandoned well - in the SE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 29,
- (4) There are no disposal wells.
- (5) There are no drilling wells.
- (6) Producing wells - Cisco No. 3 in SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 29, Lansdale No. 3 in SW $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 29.
- (7) There are no shut-in wells.
- (8) There are no injection wells.
- (9) There are no monitoring or observation wells for other resources.

4. Location of Existing and/or Proposed Facilities

- A. Within a two-mile radius of this location are existing facilities owned or controlled by lessee/operator as shown on Exhibit "E".
- B. (1) Exhibit "I" shows all anticipated production facilities.  
(2) The dimensions of production facilities shown on Exhibit "I" are drawn to a scale of 1" = 50'.  
(3) The only construction materials needed from outside the location would be gravel for a pad under separator and/or dehydrator unit. Gravel would be trucked into the location over the access road by the dirt contractor from the nearest commercial pit in the Cisco area.  
(4) If a small pit is required, it will be fenced and flagged.
- C. Rehabilitation, whether the well is productive or not, will be made on unused areas as soon as practical in accordance with the restoration plans presented in Item 10 following.

5. Location and Type of Water Supply

- A. Water will be trucked from Cisco Springs, 7.6 road miles Northwesterly of the location.
- B. Water will be trucked over the existing access roads by oilfield water trucks.
- C. No water well is planned.

6. Source of Construction Materials

A., B., C., D.

No construction materials are needed for drilling operations.

7. Methods for Handling Waste Disposal

- (1) Drill cuttings will be buried in the reserve pit when covered.
- (2) Drilling fluids will be contained in steel mud pits and the reserve pit. These fluids will be disposed of in the reserve pit.
- (3) Any hydrocarbon liquids produced while drill stem testing or production testing will be collected in a test tank near the pipe baskets or near the wellhead. Any unavoidable spills of oil or other adverse substances or materials will be covered or removed immediately during drilling progress or during completion operations.
- (4) Chemical toilet facilities will be provided for human waste.
- (5) Garbage and trash will be collected in a trash cage and its contents hauled to the nearest designated landfill.

- (6) The reserve pits will be fenced or covered as soon as practical upon removal of the rig. Other pits will be covered as soon as possible after removal of the rig.

8. Ancillary Facilities

No air strips, camps or other living facilities will be built off the location. The normal trailers will be on the location as seen on Exhibit "H".

9. Well Site Layout

- (1) Exhibit "G" is the drill pad layout. Topsoil will be stockpiled to specifications determined at the pre-drill inspection.
- (2) (3) The mud tanks, reserve pit, trash cage, pipe racks, living facilities, and soil material stockpiles, rig orientation, parking areas and access road are all shown on Exhibit "H".
- (4) The reserve pits will not be lined. Steel mud tanks will be used, and are shown on Exhibit "H". If water is produced in production, an NTL-2b study will be initiated.

10. Plans for Restoration

- (1) Backfilling, leveling, and recontouring will be accomplished as soon as possible after plugging of the well, and on those unused areas if production is obtained. Waste disposal and spoils materials will be buried or hauled away.
- (2) Rehabilitation will be accomplished by recontouring as best practical back to blend with original contours. The stockpiled topsoil will be spread, along with ripping of the pad and road area (if so desired by surface owner). Revegetation will be accomplished using grasses chosen by B.L.M.
- (3) Three sides of the reserve pit will be fenced prior to drilling operations. Upon rig release, the reserve pit will be fenced on the fourth side and will remain until recontouring and cleanup operations are completed.
- (4) Any oil spills will be immediately reported, cleaned up, or flagged.
- (5) Rehabilitation operations will commence as soon as practical after rig moves off location. Earth work and seeding will be done during the Fall of 1982, if possible.

11. Other Information

As indicated on Exhibit "F", the topography of the location vicinity has very little relief. The location lies on a gentle plain which slopes Southwesterly. This location lies Northwesterly of the East Cisco Exit on Interstate 70.

The soil is a light tan to grey shallow soil, typical of Mancos formation.

The vegetation in the immediate area surrounding the location is sagebrush, Matt saltbush, shadscale, prickly pear cactus, Russian thistle, greasewood, and cheatgrass.

The fauna of the area consists of cattle, sheep, antelope, rabbits, lizards, ravens, meadow lark, killdeer, ground sparrows and martens.

The surface ownership is B.L.M. The surface use is grazing, petroleum production, and recreation.

The nearest live water is the Colorado River, 5 air miles Southeasterly of the location, as shown on Exhibit "E".

The nearest occupied dwelling is in Cisco, Utah, 5.1 road miles Southwesterly of the location, as shown on Exhibit "E".

There are no visible archaeological, historical, or cultural sites within any reasonable proximity to the proposed location site.

There are no reported restrictions or reservations noted on the oil and gas lease.

12. Lessee's or Operator's Representative

Walter D. Broadhead  
1645 North 7th Street  
Grand Junction, Colorado 81501  
Telephone 303/242-7717

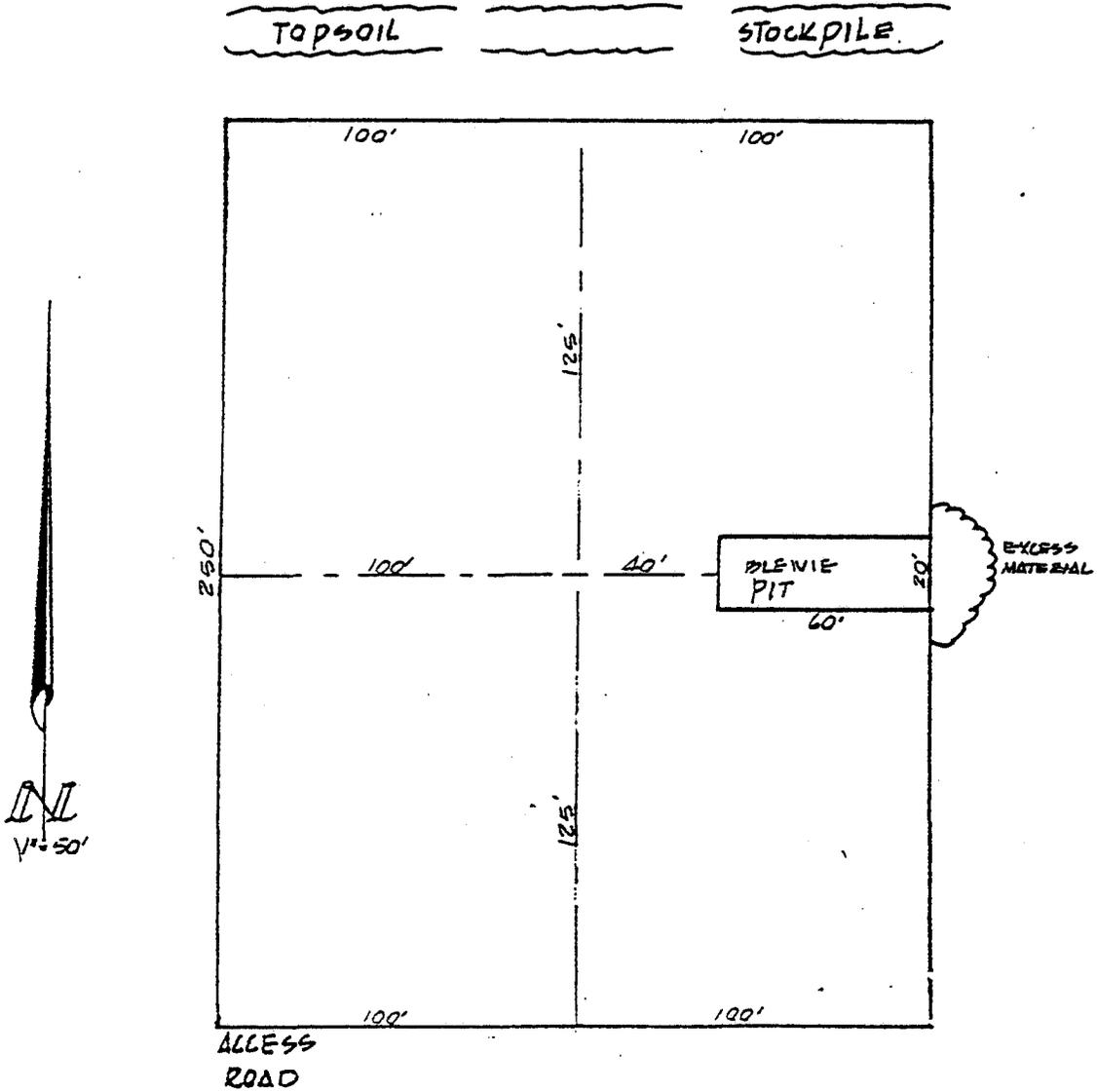
13. Certification

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 my contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

October 5, 1981  
Date

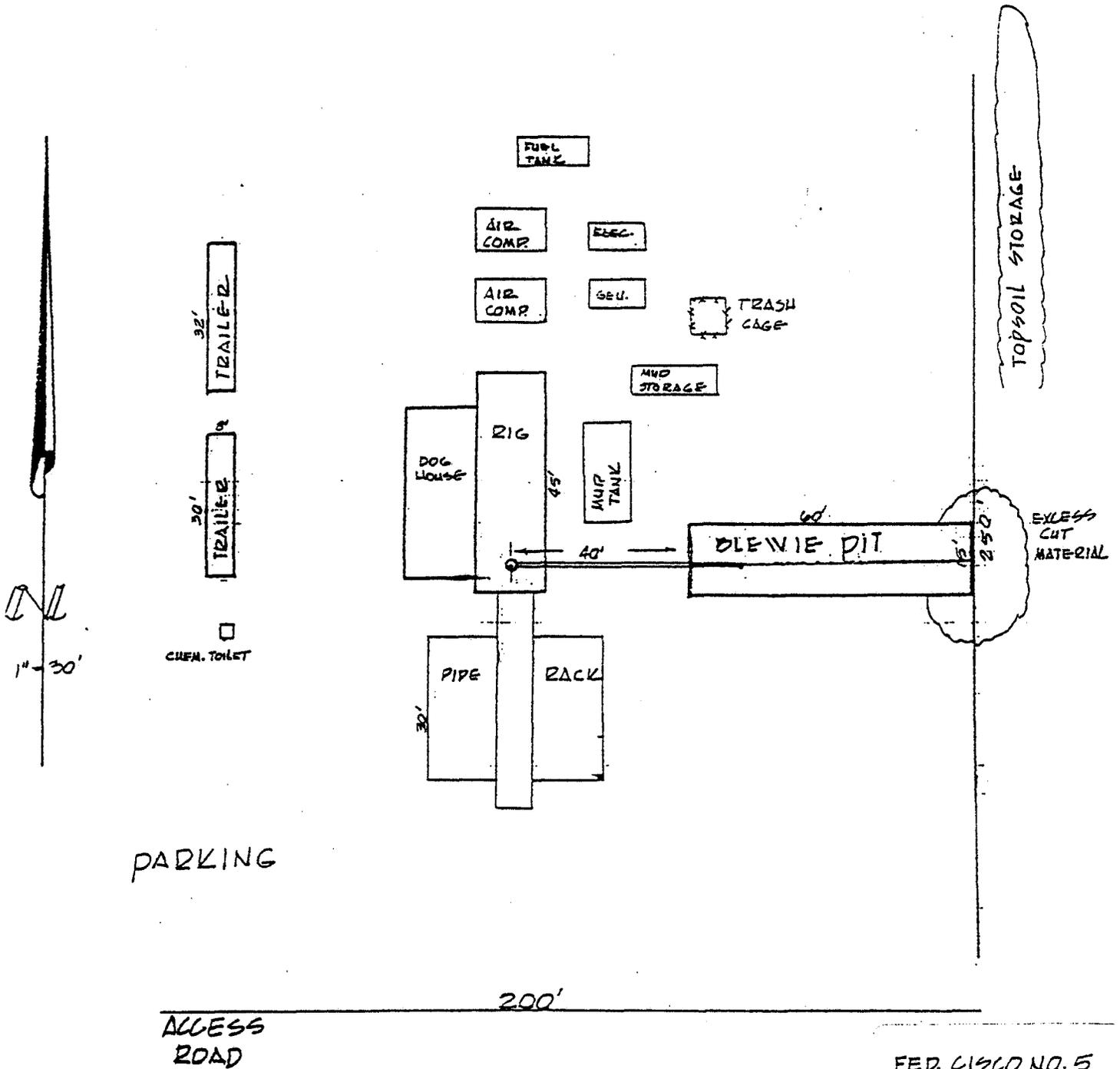
Walter D. Broadhead  
Operator

EXHIBIT 'C'  
DRILL PAD LAYOUT  
FEDERAL  
GRAND CO., UTAH



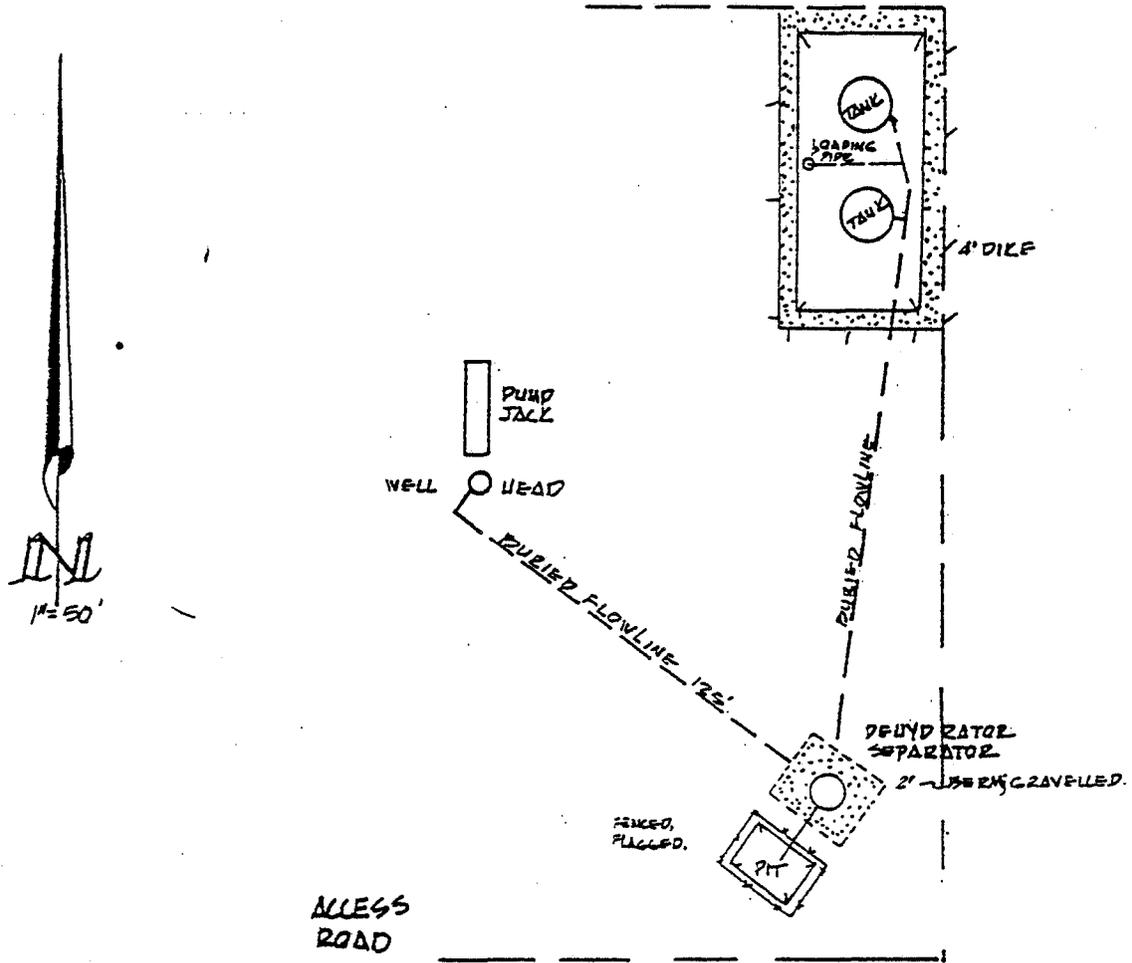
FED. C190 NO. 5  
SE 1/4 NW 1/4, SEC. 29  
GRAND COUNTY, UTAH

EXHIBIT 'H'  
 DRILL RIG LAYOUT



FED. CISCO NO. 5  
 SE 1/4 NW 1/4 SEC. 29  
 GRAND COUNTY, UTAH

EXHIBIT I  
PRODUCTION FACILITIES



FED. 01900 NO. 5  
SE 1/4 NW 1/4, SEC. 29,  
GRAND COUNTY, UT

OPERATOR WALTER D. BROADHEAD

DATE 1-14-82

WELL NAME FED CISCO #5

SEC SE NW 29 T 20S R 24E COUNTY GRAND

43-019-31039

API NUMBER

FED

TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

NOT 500' FROM LEASE LINE - NO OIL WELLS WITHIN 400', BUT  
THERE IS A GAS WELL WITHIN 1370'. (LAKEVIEW FED #4)

RJT ✓ A HEARING WILL BE REQUIRED TO PERMIT THIS WELL

APPROVAL LETTER:

102-49 FEB 24, 82

SPACING:

A-3

UNIT

c-3-a

102-160 11-15-79

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FETD*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER 102-1613

UNIT \_\_\_\_\_

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

*Ron has files for overdue reports from Walter.*

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

Walter said he would  
come in the office  
in a few days to  
resolve well location,  
and would probably  
request a hearing.

Yours  
1-17-83 tel.

$$\tan A = 0.2663$$

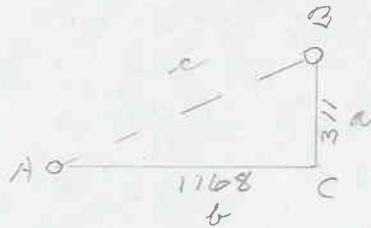
$$\sin A = 0.2574$$

$$0.2574 = \frac{311}{c}$$

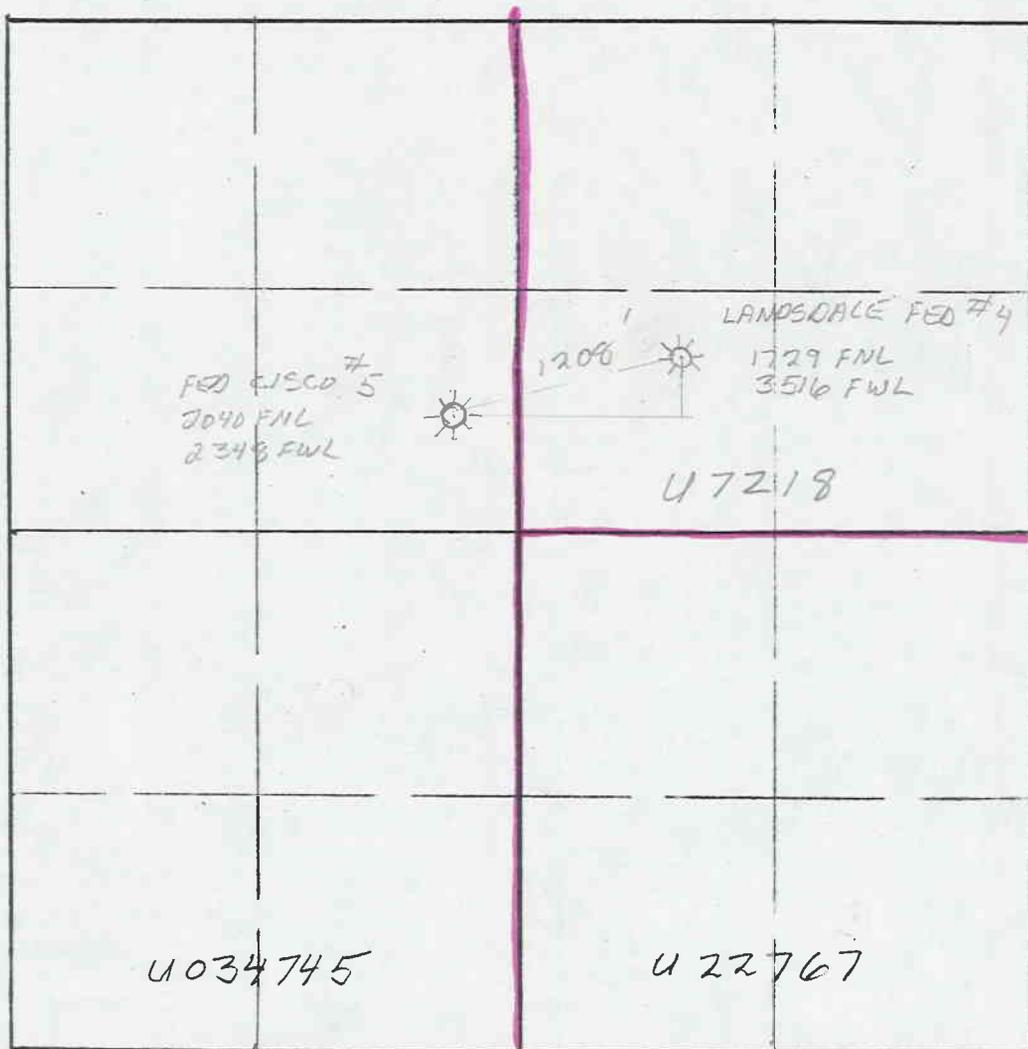
$$0.2574 c = 311$$

$$c = \frac{311}{0.2574}$$

$$c = 1208$$



102-16B requires 1370 between gas wells and 500' from base line



SCALE 1" = 100'

1-17-83

TRANSMITTED COPY  
TO JACK 1-31-83

*Mormon*

January 26, 1983

State of Utah  
Board of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

RE: Walter D. Broadhead, Location Federal Cisco #5, Sec. 29, T20S,  
R24E, Grand County, Utah

A spacing of 292 feet from the nearest lease line is requested for the Walter D. Broadhead Federal Cisco #5 test. This location is between the North-South County road and a tributary of Danish Wash. A normal location of 300 feet would fall on a very steep bank of the Danish Wash tributary, and a location greater than 300 feet would fall in the bottom of the Wash.

*Walter D. Broadhead*  
Walter D. Broadhead

**RECEIVED**  
JAN 28 1983

**DIVISION OF  
OIL, GAS & MINING**

February 28, 1983

Walter D. Broadhead  
1645 North 7th  
Grand Junction, Colorado 81501

RE: Well No. Federal Cisco #5  
SENW Sec. 29, T.20S, R.24E  
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil/gas well is hereby granted in accordance with the Order issued in Cause No. 102-49 dated February 24, 1983.

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

RONALD J. FIRTH - Chief Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

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 43-019-31039.

Sincerely,

Norman C. Stout  
Administrative Assistant

NCS/as  
cc: oil & Gas Operations  
Enclosure

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

-----  
IN THE MATTER OF THE APPLICATION )  
OF WALTER D. BROADHEAD FOR )  
AUTHORITY TO DRILL AN OFF PATTERN )  
WELL IN THE CISCO AREA, GRAND )  
COUNTY, UTAH )

ORDER TO SHOW CAUSE  
AND  
NOTICE OF HEARING  
CAUSE NO. 102-49

-----  
THE STATE OF UTAH TO ALL OPERATORS, TAKERS OF PRODUCTION, MINERAL AND  
ROYALTY OWNERS, AND PARTICULARLY ALL PERSONS INTERESTED IN THE CISCO AREA,  
GRAND COUNTY, UTAH.

Notice is hereby given that a hearing examiner appointed by the Board of  
Oil, Gas and Mining, State of Utah, will conduct a hearing on Tuesday,  
February 22, 1983, at 10:00 a.m., in Room 4110 of the State Office Building,  
Salt Lake City, Utah, in the above entitled matter, at which time all persons,  
firms and corporations interested may, if they so desire, appear and be heard.

Notice is further given that the purpose of said hearing will be to  
determine whether or not the Board should enter an Order granting an exception  
to the provisions of the Order issued in Cause No. 102-16B so as to permit the  
drilling of Well No. Federal Cisco #5, 2040 feet FNL and 2348 feet FWL of  
Section 29, Township 20 South, Range 24 East, Grand County, Utah. Said well  
location is 292 feet from the lease line.

If you and each of you have any objection to said application being  
approved, you are hereby requested to notify the Division on or before Monday,  
February 21, 1983, and thereafter appear in Room 4110 of the State Office  
Building, Salt Lake City, Utah, on February 22, 1983, at 10:00 a.m., to show  
cause, if any there be, why said application should not be granted.

DATED this 31st day of January, 1983.

STATE OF UTAH  
BOARD OF OIL, GAS AND MINING

  
PAULA J. FRANK  
Secretary of the Board

Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 533-5771

Approved 2-24-83

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: WALTER BROADHEAD

WELL NAME: Cisco #5

SECTION SEW 29 TOWNSHIP 20S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR Richardson

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

SPUDDED: DATE 3-9-83

TIME \_\_\_\_\_

HOW Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Walter Broadhead

TELEPHONE # 303-242-7717

DATE 3-15-83 SIGNED AS

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator WALTER BROADHEAD Representative WALTER BROADHEAD

Well No. 5 Location 1/4 1/4 Section 29 Township 20S Range 24E

Lease No. U-034745 Field \_\_\_\_\_ State GRAND, UTAH

Unit Name and Required Depth \_\_\_\_\_ Base of fresh water sands \_\_\_\_\_

T.D. 908 / ~~640~~ Size hole and Fell per sack \_\_\_\_\_ " \_\_\_\_\_ ' and Top \_\_\_\_\_ Mud Weight 8.3 #/gal. \_\_\_\_\_

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>100'</u>	<u>7"</u>	<u>CTS</u>		<u>205R @ Surface</u>	<u>+</u>	<u>Marker</u>
Formation	Top	Base	Shows			
<u>HANCOS</u>	<u>SURFACE</u>					
<u>DAKOTA</u>	<u>312'</u>			<u>400'</u>	<u>200'</u>	

REMARKS

DST's, lost circulation zones, water zones, etc., clean location,  
level holes, rehab as per APD.

Approved by [Signature] Date 3-21-83 Time 11:00 a.m.  
p.m.

oper w/cond of approval  
BLM HOAB w/cond of approval  
MHS 086 (BRUCE) SLG

NER  
CONTROL BOOK  
WELL FILE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well  gas well  other Dry Hole

2. NAME OF OPERATOR  
Walter D. Broadhead

3. ADDRESS OF OPERATOR  
1645 N. 7th Grand Junction Colo. 81501

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:  
TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
PULL OR ALTER CASING   
MULTIPLE COMPLETE   
CHANGE ZONES   
ABANDON\*   
(other)

SUBSEQUENT REPORT OF:

5. LEASE  
U-034745  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Fed Hertzke  
9. WELL NO.  
Fed Cisco No 5  
10. FIELD OR WILDCAT NAME  
Greater Cisco Area  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 29-T20S R24E  
12. COUNTY OR PARISH Grand 13. STATE Utah  
14. API NO.  
43-019-31039  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4535 Cr

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

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

Request & received permission to plug 3-21-83  
Waneas shale surface  
Dakota Silt 312'  
400' to 200' 40 SX  
20 x surface casing & marker  
8.3 lb Mud in hole

RECEIVED  
SEP 09 1983

DIVISION OF  
OIL, GAS & MINING  
Set @ \_\_\_\_\_ Ft.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

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

SIGNED Walter D. Broadhead TITLE operator DATE Aug 26 1983

(This space for Federal or State office use)

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

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number Fed Esco No 5  
Operator Walter D. Brodzhek  
Address 1645 N. 7th Grand Junction Colo 81501  
Contractor Richardson Drilling  
Address 385 Kirby Lane Grand Junction Colo 81501  
Location SW 1/4, NW 1/4, Sec. 29; T. 20 S, R. 24 E; Grand County

Water Sands:

	<u>Depth:</u>	<u>Volume:</u>	<u>Quality:</u>
	From- To-	Flow Rate or Head-	Fresh or salty-
1.	<u>350 to 374</u>	<u>Show of water</u>	
2.	<u>448 to 498</u>	<u>30 BBLs</u>	<u>Salt Brackish</u>
3.			
4.			
5.			

(continue on reverse side if necessary)

Formation Tops: Dakota 350  
Morrison 498

- NOTE:
- (a) Upon diminishing supply of forms, please inform this office.
  - (b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.
  - (c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.E

5. LEASE DESIGNATION AND SERIAL NO.

11-034745

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Fed Hertzke

9. WELL NO.

Fed Hertzke No. 5

10. FIELD AND POOL, OR WILDCAT

Greater Lisco Area

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

Sec 29 T20S R24E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

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

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

2. NAME OF OPERATOR  
Walter D. Broadhead

3. ADDRESS OF OPERATOR  
1645 N. 75th Grand Junction Colo 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 2040' S.F.N. Line and East 2348' F.W.L. of  
At top prod. interval reported below Sec. 29 T20S. R24E  
At total depth  
SE NW

14. PERMIT NO. DATE ISSUED  
43-019-310391

15. DATE SPUDDED 3-8-83 16. DATE T.D. REACHED 3-15-83 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 4535' GV 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 908 21. PLUG, BACK T.D., MD & TVD NA 22. IF MULTIPLE COMPL. HOW MANY\* NA 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS  
Rotary

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction 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
7"	17				

29. LINER RECORD 30. TUBING RECORD

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

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
NA	

33. PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or Abandoned)

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	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.)

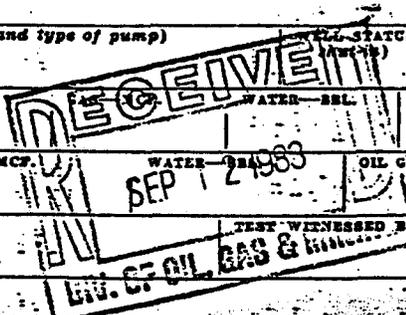
35. LIST OF ATTACHMENTS

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

SIGNED Walter D. Broadhead TITLE Operator

DATE Aug 20 1983

\*(See Instructions and Spaces for Additional Data on Reverse Side)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. oil well  gas well  other Dry Hole

2. NAME OF OPERATOR  
Walter D. Broadhead

3. ADDRESS OF OPERATOR  
1645 N. 75th Grand Junction Colo 51501

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

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

5. LEASE  
U-034745 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Fed Hest 2KE

9. WELL NO.  
Fed Cisco No. 5

10. FIELD OR WILDCAT NAME  
Greeter Cisco Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 29, T20S R24E

12. COUNTY OR PARISH Grand 13. STATE Utah

14. API NO.  
43-019-31039

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4535 GY

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

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

3-21-83  
Set Plugs  
No. 1 400' to 200' 40 SX  
No 2 20 82X Surface Marker  
8.3 l.b. Mud in hole

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**  
DATE: Aug 26 1980  
BY: [Signature]

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Walter D. Broadhead TITLE operator DATE Aug 26 1980

(This space for Federal or State office use)

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