

Change of operator: Ad Co now operates this  
well, but CC Co. Still exists as an operator

STATE

Form 9-351 C  
(May 1963)

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 42-B1425.

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  
CCCo

3. ADDRESS OF OPERATOR  
3964 South State Street, Salt Lake City, Utah 84107

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface <sup>PSL</sup> 1872' North of South Line, 602' West of the East Line  
At proposed prod. zone Section 28, T20S, R21E <sup>FEL</sup> NESE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
10 Miles SE to Cisco, Utah 84515

16. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 602

16. NO. OF ACRES IN LEASE 1000

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2950'

19. PROPOSED DEPTH 2950' *Entrada*

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5254 Gr

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

20. ROTARY OR CABLE TOOLS  
ROTARY

22. APPROX. DATE WORK WILL START\*  
Nov 15, 1979

5. LEASE DESIGNATION AND SERIAL NO.  
Comm. Agreement 9B-001641

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.  
27-2

10. FIELD AND POOL, OR WILDCAT  
Cisco Dome

11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA  
Section 27, T20E, R21E

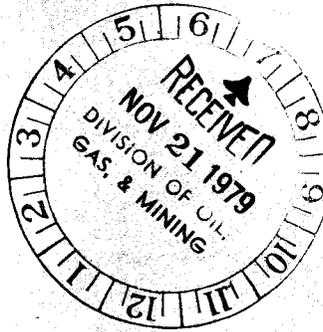
12. COUNTY OR PARISH 13. STATE  
Grand Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12" <del>8 7/8</del>	8 5/8	25.5# <del>32.4</del>	200'	Cemented to Surface
6 1/2	4"	9.5#	TD	Cemented 150' above highest hydrocarbon zone encountered

PROJECTED ZONES:

- A ZONE MARKER 2194
- DAKOTA 2223
- CEDAR MOUNTAIN 2270
- MORRISON 2684
- MORRISON SALT WASH 2730
- SUMMERVILLE 2810
- ENTRADA 2905



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.

SIGNED *Dean H. Christ* TITLE AGENT DATE 19 Nov 79

(This space for Federal or State office use)

PERMIT NO. 43-019-30581 APPROVAL DATE

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

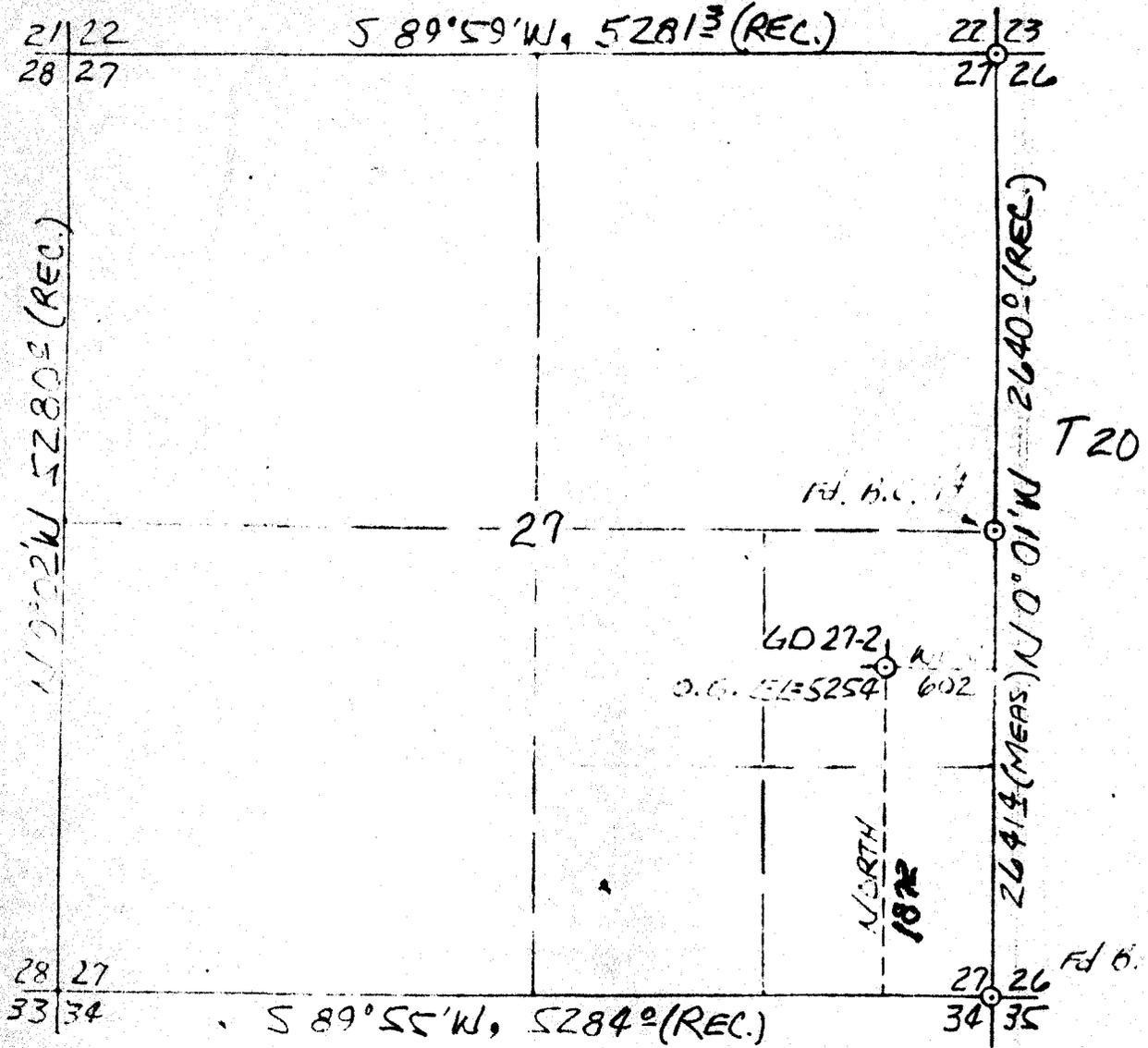
CONDITIONS OF APPROVAL, IF ANY:

OK - 1/201

BEST COPY AVAILABLE

# WELL LOCATION PLAT R 21 E

BEARINGS FROM E. LINE, SE 1/4  
SEC. 27, (N 0° 01' W)



FOR AD CO,  
 WELL LOCATION PLAT OF  
 GAMBLERS DELIGHT 27-2  
 IN SEC 27, T20S, R 21E, S.L.B. & M  
 GRAND COUNTY, UTAH  
 TRANSIT 3/50 M. SURVEY  
 SCALE - 1" = 100'. SEPT. 19, 1979  
 ELEV FROM U.S.G.S TOPO QUAD,  
 "SEGO CANYON, UTAH," 1963, NE COR  
 SEC 26, ELEV = 5088  
 ELEV'S FROM VERTICAL ANGLES

UTAH R.L.S. NO. 1562

OWNERSHIP PLAT

Township 20 SOUTH Range 21 EAST P.M.

FORM 196

THE HILLS COMPANY, SHERIDAN 127488-2M-8-70

36	31	32	33	34	35	36	31
1	6	5	4	3	2	1	6
12	7	8	9	10	11	12	7
13	18	17	16	15	14	13	18
24	19	20	21	22	23	24	19
25	30	29	28	27	26	25	30
36	31	32	33	34	35	36	31
1	6	5	4	3	2	1	6



CCCo  
3964 South State Street  
Salt Lake City, Utah 84107

U. S. Geological Survey  
125 South State Street  
Salt Lake City, Utah 84111

November 19, 1979

Attn. Mr. E. W. Guynn  
District Engineer

RE: NTL-6

Application for CCCo, a Utah Corporation, to drill in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 27, T20S, R21E, Grand County, Utah is herewith presented as per NTL-6 regulation.

1. Geological name of Surface formation: Cretaceous Mancos Shale

2. & 3. Geologic tops and formation depths:

C retaceous	A. Marker	2194
	Dakota	2223
	Cedar Mountain	2270
Jurassic	Morrison	2684
	Morrison Salt Wash	2730
	Sumerville	2810
	Entrada	2905

4. Casing Program: See attached 9-331C

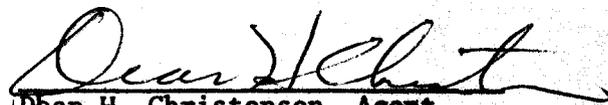
5. Pressure Control equipment: See attached schematic. The BOP will mounted on top of the 8" full opening valve which will be placed on top of the surface casing. This 8" full opening valve is a 900# working pressure valve. A Grant rotating head will be utilized on top of the BOP. The BOP will be tested every 24-hrs during drilling operation. The 8" full opening valve will enable the Operator to shut-in the well and to have complete control over the well when the BOP is removed to install the well-head in the event that the well is successful. A 2" fill and kill line will be stubbed into the surface casing.

6. DRILLING AND CIRCULATING MEDIUM: The Operator intends to drill with compressed air and air mist as far as possible. Salt water based polymer drilling fluids will be utilized in the event that formation water is encountered and to control or kill oil or gas flows if necessary while attempting completion. The drilling fluids will be weighted as necessary to insure control. The drilling fluids will be removed from the site for disposal.

7. Auxiliary Equipment: (a) Kelly Cock--Demlo. (b) Floats at the Bit--yes and on the drill string. (c) Monitoring equipment on the mud system--no, the driller on twoer will be responsible to check the weight and viscosity of the mud system periodically during the drilling tower. (4) Sub on floor with a full opening valve. The fill and kill lines will be welded onto the surface casing below the BOP. As stated earlier, an 8" full opening valve will be installed on top of the surface casing below the BOP.
8. Testing, Logging, and coring: The well will be logged upon reaching total depth. An IES and Compensated density neutron will be run. The operators will not core the well. In the event that casing is run, a cement bond log will be run prior to perforation. Samples will be caught every 10 ft at approximately 1800'.
9. Maximum bottom hole pressure is expected to be less than 700 psi. The Operator is prepared to handle pressures in excess of 3000 psi.
10. Starting date is anticipated to be mid December 1979. The drilling will take approximately 3-5 days, and completion an additional 2 days.

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

19 Nov 79  
Date

  
Dean H. Christensen, Agent

RE:

Multipoint Requirements  
to Accompany 9-331C

1. Existing Roads:

The Cunningham ranch road is the main access route into the area of operations. See blue line on attached quad map. The access route to the proposed location, see blue route.

The well proposed is a developmental well. See the existing roads in yellow.

In the event that the well is developed as a natural gas well, the access road which is utilized will be maintained as necessary to allow for daily access by company field personnel. In the event that an oil well is developed, the oil will be pumped to the Adak-Anschutz 26-1A well location. This location has a well maintained road which will allow for easy tank truck access. In the event that either oil or gas is developed, the same pipeline route will be utilized to the 26-1A site (see attached pipeline route). In line heaters will be utilized to maintain oil production. In line heaters will not be necessary if natural gas is produced. Individual tanks will be utilized for each well to determine oil production. A meter will be placed on site to monitor gas production, even though the well is common to the meter facility located at the 26-1A site due to the approved communitization agreement covering the acreage.

2. Planned access Roads:

- a. Width--10 ft blade out on level ground.
- b. maximum grades-- as necessary to insure access.
- c. turn-outs- as determined during on-site inspection.
- d. drainage design-- small barpits in low areas to facilitate drainage.
- e. no culverts are necessary.
- f. Surfacing Material--the operator does not intend nor do we feel that the introduction of foreign material is necessary for operations.
- g. Necessary gates, cattleguards, or fence cuts--none needed. The entire area is open range.

3. Location of Existing Wells:

- a. See attached map
- b. Producing wells within one-mile:
  1. Section 26--Anschutz 26-1A, a gas well (NE $\frac{1}{4}$ NE $\frac{1}{4}$  Section 26)
  2. Section 27--Boardwalk-Tumbleweed 27-1 (NE $\frac{1}{4}$ NE $\frac{1}{4}$  Section 27) gas well

3-c. Producing wells in a two mile radius

- Section 14 Cunningham Cart Barnes #1-Gas
- Section 24 NP Energy Federal 24-1 Gas
- Section 24 Union Texas Gov't - gas
- Section 25 NP Energy Federal 25-1 Gas

d. Abandoned or shut-in wells are all marked with industry standard symbols. No water, disposal, injection or observation wells are within one of the proposed location.

4. Location of Existing and/or Proposed Facilities:

a. Tank Batteries: None exist. Approval for the installation was granted on the APD which was submitted for the 26-1A well. In the event that oil is discovered, surface lines will be installed and all oil or gas production will be delivered to the 26-1A gas lateral line which is installed and is depicted on the attached survey map. This line is shown in red. No tank batteries will be installed on the well site at this time. Gas gathering lines will be laid in accordance with the survey map which has been attached. The entire area as shown on the attached survey map is covered under the appropriate communitization agreement. No permanent Right-of-way is necessary from the BLM for the installation of the proposed lines (gathering) as all of the acreage concerned is under the USGS administered agreement.

b. Rehabilitation of any disturbed areas will be completed in strict concurrence with the BLM restoration plan. In the event that the operator discovers any archeological item or item which may be determined to be covered under the antiquity act, operations will cease until such time as an evaluation has been completed by the cultural specialist that is tasked to make the determination.

5. Location and Type of Water Supply: All water which may be utilized will be trucked to the location. Fresh water will be picked-up from the Colorado River, and the brine water will be brought to the site from Moab, Utah.

6. Source of Construction Materials: None used or needed. The area is flat. Due to the type of surface (manco shale) the best way to construct roads, etc., is to lightly blade the area, water, and then pack down.

7. Methods for Handling Waste Disposal:

- a. Cuttings will be collected into a pit where the blowie line is placed. The pit utilized will be approximately three ft in depth with the side built up to catch the cuttings. The topsoil will be stacked in order that it may be replaced after operations are terminated.
- b. The drilling fluids will be placed into either a lined pit, or metal tanks. They will be removed from the site for disposal upon completion of operations.
- c. Produced fluids will be sold if oil, and removed if formation water.
- d. Sewage will be placed into porta-potty facilities in the self-contained trailer.
- e. Garbage will be placed into a fenced trash pit. Mesh wire will be utilized to prevent scattering of paper, etc., in the area. The burnable trash will be burned on site at the completion of operations and buried. The other waste matter will be trucked from the site.

9. Well-site Layout

See attached lay-out plan.

10. Plans for restoration of surface: The operator will replant the disturbed areas with the seed mix determined by the BLM surface protection specialist at the time of the joint surface meeting. The area will be bladed and planted upon the conclusion of operations. The Operator will utilize rubber tired vehicles during the construction of any pipelines or gathering facilities, this will be done to minimize surface disturbances.

11. OTHER INFORMATION:

A. A copy of the pertinent Farmout agreements have been attached. This information is deemed by the Operator to be confidential in nature and it is expected that this information not be given to any outside operator and that the agencies with a need to know safeguard this information.

b. None of the leases involved and now under the terms and conditions of the pertinent communitization Agreement 9B-001641, has any restrictions concerning winter operations. The area involved has no conflict with any wildlife, or archeological or antiquity resource. Time is of the essence concerning this project both because of contractual agreements, weather conditions, but the present national and international shortages of fuels makes cooperation between the controlling federal agencies and the Operator very important.

12. LESSEE'S REPRESENTATIVES:

ADAK ENERGY CORPORATION/CCCo  
3964 South State Street  
Salt Lake City, Utah 84107

801-268-8000/262-4422      Dean H. Christensen (Home Phone 801-278-4545)  
303-858-7716                B. H. Hastings (Fruita, Colorado)

13. CERTIFICATION:

The following statement is to be incorporated in the plan and must be signed by the lessee's or operators representative who is identified in Section 12 of the submitted plan:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that the statements made in this plan are, to the best of knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by ADAK ENERGY CORPORATION/CCCo and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

19 Nov 79  
DATE

  
DEAN H. CHRISTENSEN, AGENT

## 7-Point Completion

### 1. Casing :

8 5/8" surface casing will be cemented to the surface. The surface casing will be set 200' into the Mancos shale. An 8" full opening valve will be flanged to the surface casing. The BOP will be set on top of the 8" valve. 4½" casing will be set to total depth if commercial production is developed.

### 2. Casing head and Flanges :

A larkin 4½" stripping head will be flanged to a nipple which will be screwed into the 8" gate valve which is to be attached to the surface casing. (See schematic and other data attached)

### 3. Intermediate Casing:

None Required.

### 4. Blowout Preventer:

A hydrill 10" 3000 psi stripping and bladder type bop will be utilized. This BOP is capable of closing blind and will allow the operator to strip up to 8 5/8" casing into the well bore. Two (2) fill and kill nipples will be welded into the surface casing below the BOP and Grant Rotating head, which will be set on top of the BOP.

### 5. Auxillary Equipment:

A 3½" sub with a 2" valve will be stubbed into the drill pipe for testing and cementing.

### 6. Bottom Hole Pressure:

Due to the operators experience in drilling shallow wells in the immediate area, experience has proven that no well has had a bottom hole pressure in excess of 800 psi. However, the Operator is prepared to handle up to 3000 psi.

### 7. Drilling Fluids:

The operator will drill surface hole with gel based drilling mud. Compressed air will be utilized as a circulating medium until water or oil is encountered, which is sufficient to preclude continued operations with air. In the event that a fluid medium is necessary, a salt based polymer will then be utilized. 100 barrels of salt water will be located on the site, but will not be mixed until such time as is determined by the driller on Tower.

ENGINEER'S STATEMENT

APPLICANT'S CERTIFICATE

JOHN E. KEOGH states he is by  
 (Name of Engineer)  
 occupation a LAND SURVEYOR em-  
 (Type of Engineer)  
 ployed by the CCC. to  
 (Company)  
 make a survey of the PIPELINE  
 (Kind of works)  
 as described and shown on this map; that the (30 USC 185) (87 Stat. 576); and I further certify that the  
 survey of said works was made by him (or under  
 his supervision) and under authority, commencing  
 on the 13<sup>th</sup> day of APRIL, 1979, and  
 ending on the 13<sup>th</sup> day of APRIL, 1979; and  
 that such survey is accurately represented upon  
 his map.

This is to certify that John E. Keogh who  
 (Engineer)  
 subscribed the statement hereon is the person employed  
 by the undersigned applicant to prepare this map, which  
 has been adopted by the applicant as the approximate  
 final location of the works thereby shown; and that this  
 map is filed as a part of the complete application, and  
 in order that the applicant may obtain the benefits of sec  
 (Cite statute)  
 right-of-way herein described is desired for  
NATURAL GAS PIPE LINE.  
 (State purpose)

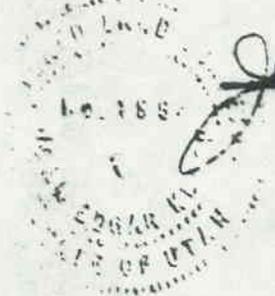
(SEAL)

Dean A. Christensen  
 (Signature of applicant)

VICE President  
 (Title)

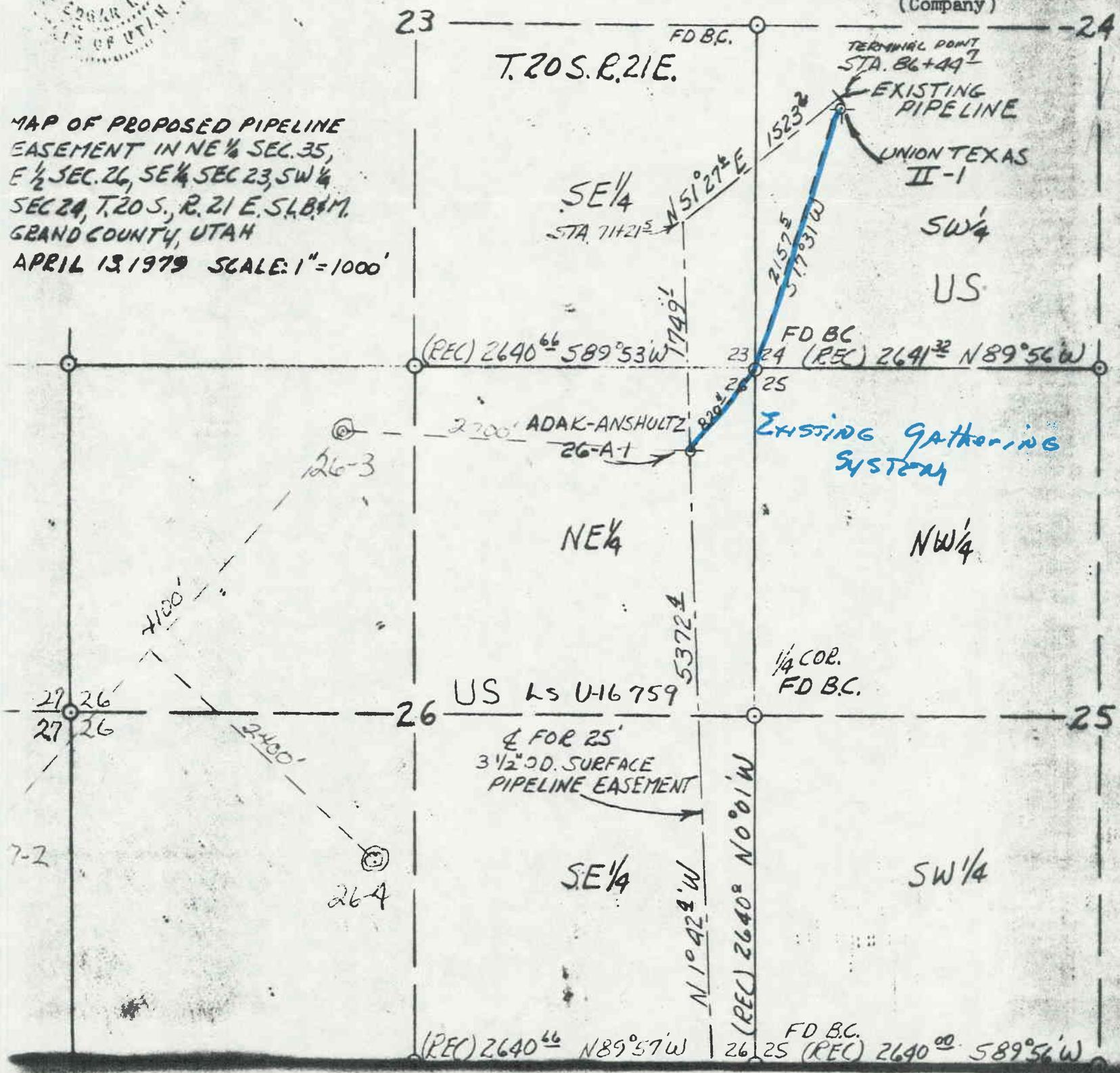
CCC  
 (Company)

SCALE 1"=100'

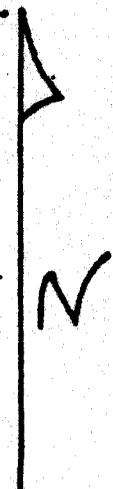


John E. Keogh  
 (Engineer)

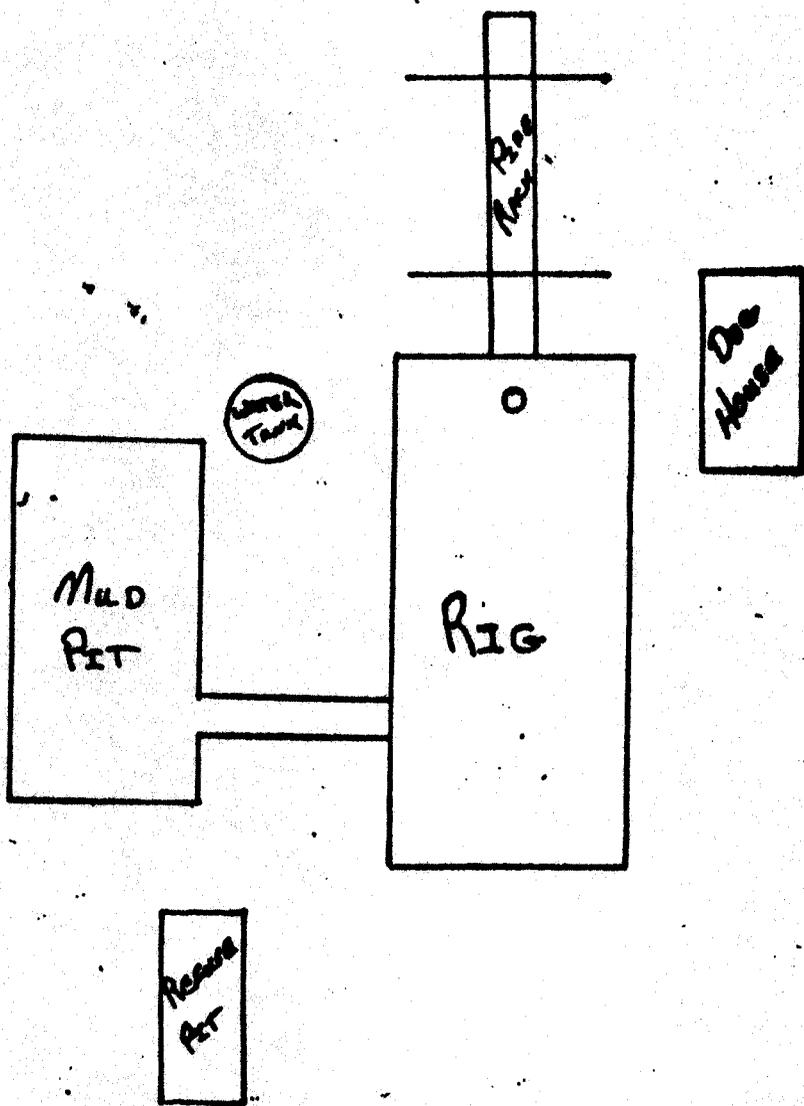
MAP OF PROPOSED PIPELINE  
 EASEMENT IN NE 1/4 SEC. 35,  
 E 1/2 SEC. 26, SE 1/4 SEC. 23, SW 1/4  
 SEC. 24, T. 20 S., R. 21 E. S. 1 B. 1 M.  
 GRAND COUNTY, UTAH  
 APRIL 13, 1979 SCALE: 1"=1000'



BEARING BASED ON EAST LINE  
 SEC. 26 (N 0° 01' W)



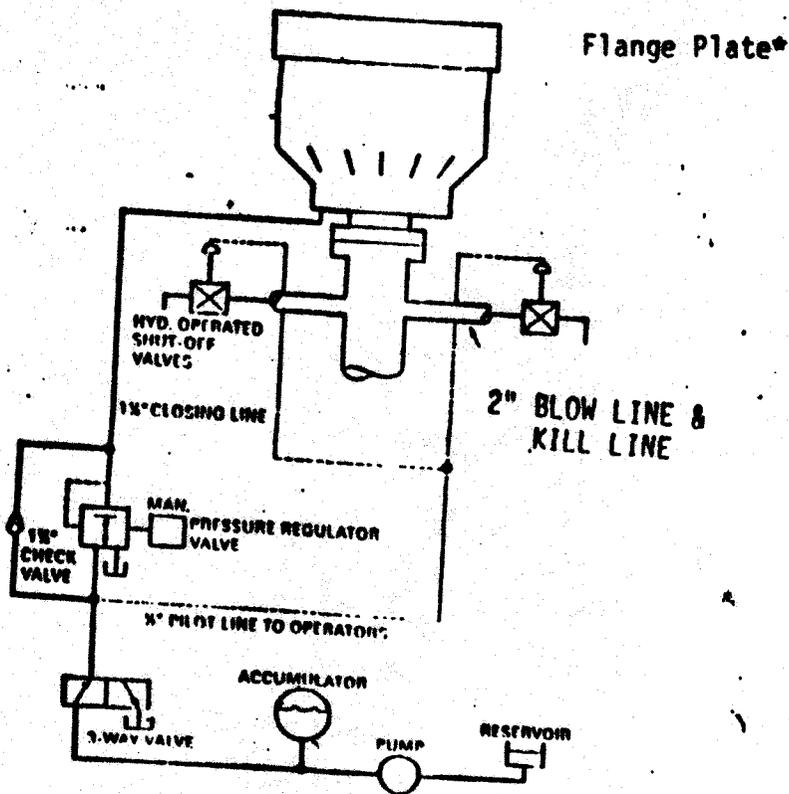
Transcals



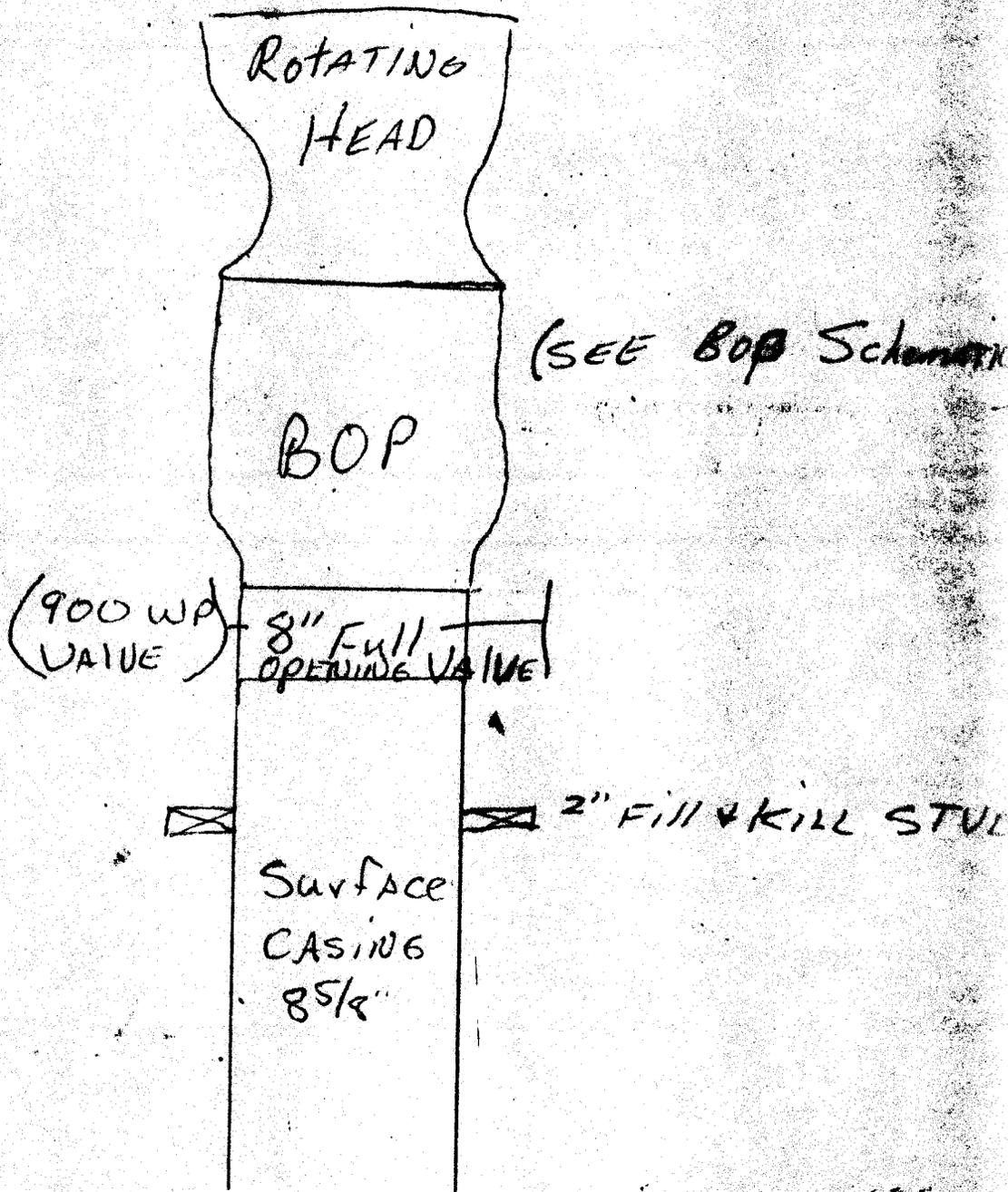
WELL LOCATION PLAT

A GRANT ROTATING HEAD WILL BE BOLTED TO THE BOP FLANGE PLATE.\*

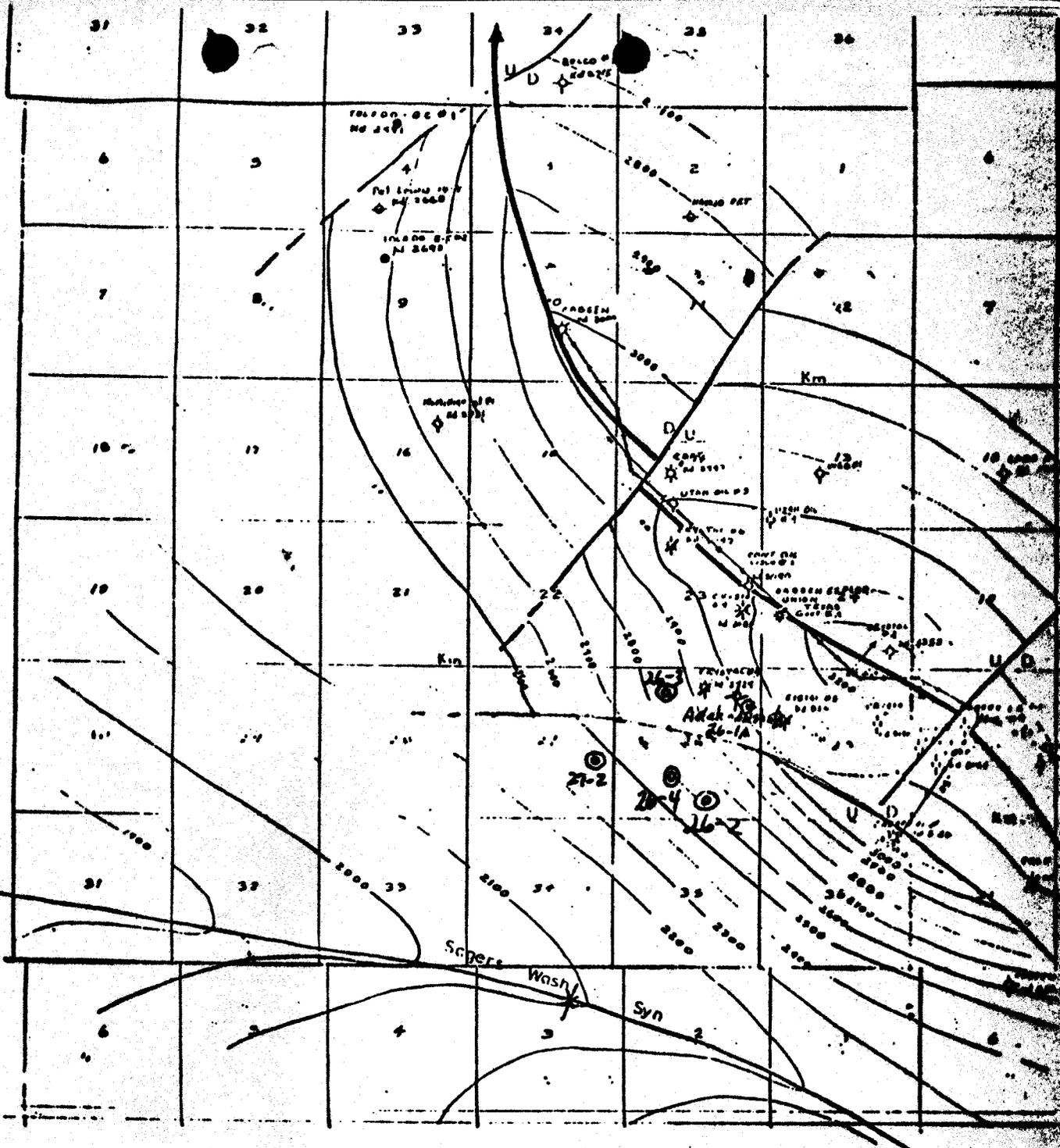
A DISCHARGE LINE RUNS FROM THE ROTATING HEAD.



REGAN-TOROUS TYPE E-1 BOP



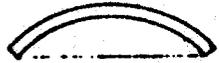
Prepared by: D. H. CHRISTENSEN



STRUCTURE CONTOUR MAP  
 DAKOTA SANDSTONE  
 Contour interval 100 feet

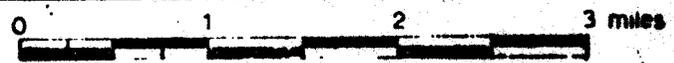
code	200'	antiflex
		anticlinal axis
		synclinal axis
		faults

CISCO DOME



T.19&20S. R.21&22E.

Grand County, Utah



Scale 2" = 1 mile

1/31680

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APPLICANT'S CERTIFICATE

John E. Keogh states he is by  
 (Name of Engineer)  
 occupation a LAND SURVEYOR em-  
 (Type of Engineer)  
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 also a survey of the PIPELINE  
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 as described and shown on this map; that the (30 USC 185) (87 Stat. 576); and I further certify that the  
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 this map.

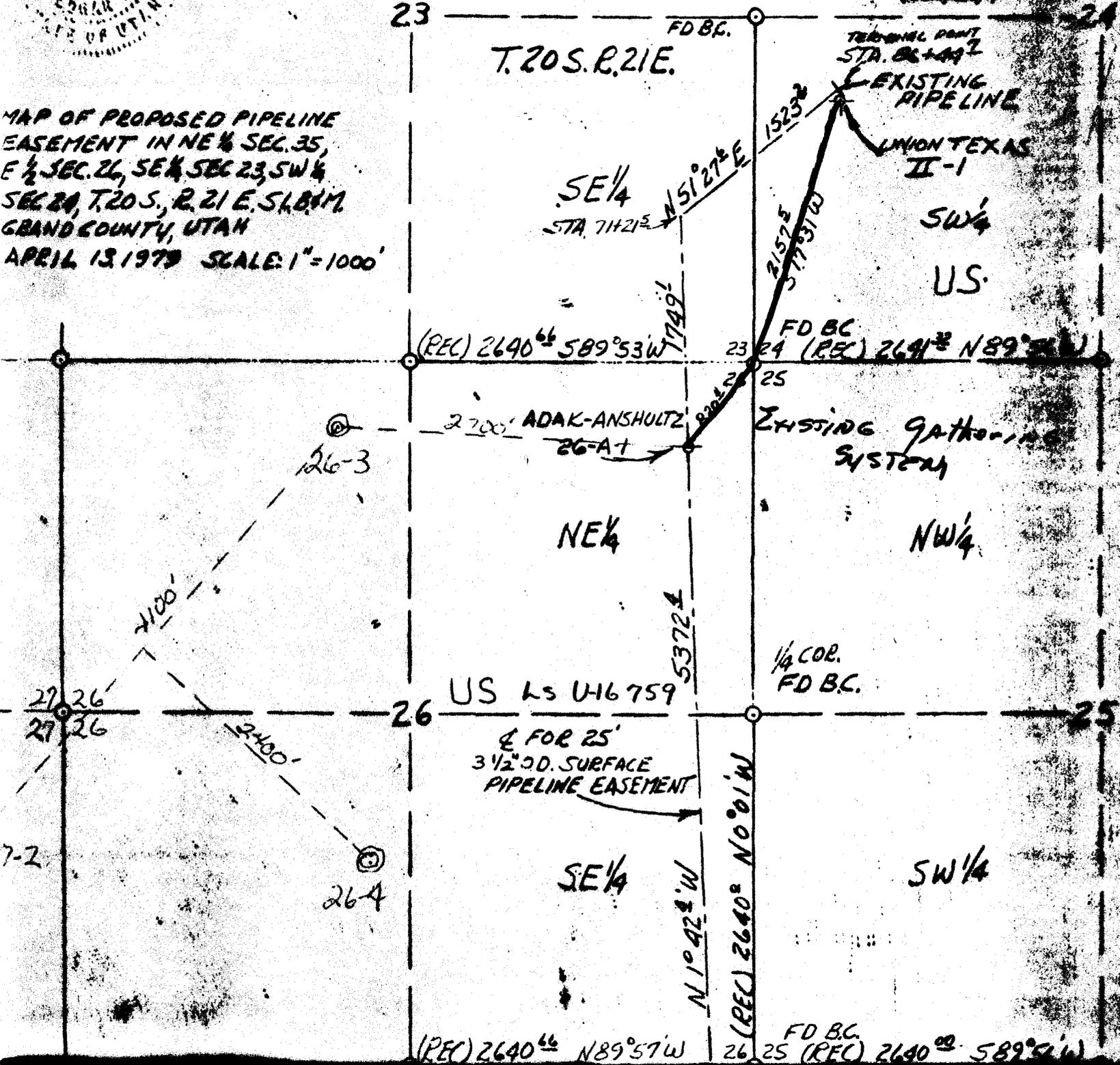
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 right-of-way herein described is desired for  
NATURAL GAS PIPELINE.  
 (State purpose)

(SEAL)

Dean Christensen  
 (Signature of applicant)  
VICE PRESIDENT  
 (Title)  
C.C.Co.  
 (Company)

John E. Keogh  
 (Engineer)  
 (Seal of Engineer, State of Utah, No. 165)

MAP OF PROPOSED PIPELINE  
 EASEMENT IN NE 1/4 SEC. 35,  
 E 1/2 SEC. 26, SE 1/4 SEC. 23, SW 1/4  
 SEC. 24, T. 20 S., R. 21 E., S. 1, B. 1 M.  
 GRAND COUNTY, UTAH  
 APRIL 13, 1979 SCALE: 1"=1000'



\*\* FILE NOTATIONS \*\*

DATE: Nov 27, 1979

Operator: C. C. Company

Well No: Federal # 27-2

Location: Sec. 27 T. 205R. 21E County: Grand

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-019-30581

CHECKED BY:

Geological Engineer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Petroleum Engineer: \_\_\_\_\_  
Per call 2/25/81 D. Christensen will send in confirmation on plugging

Director: O.K. order in case 102-16 S 7

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 102-16 11/15/79

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 Fed

Plotted on Map

Approval Letter Written

#3  
he  
PI  
10

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

U-7989

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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 DRILL  DEEPEN  PLUG BACK

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 CCCo

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 5254 Gr

DUPLICATE COPY

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 Comm. Agreement 9B-001641

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 Section 27, T20S, R21E

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SUMMERVILLE	2810
ENTRADA	2905

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24. SIGNED *[Signature]* AGENT  
 (This space for Federal or State office use)

RECEIVED

MAR 3 1980

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_ DIVISION OF \_\_\_\_\_  
 (Orig. Sgd.) H. A. Henricks ENGINEER GAS & MINING  
 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE FEB 29 1980  
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
 NOTICE OF APPROVAL

\*See Instructions on Reverse Side

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

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 6-A DATED 1/1/80

Ut State O+G

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-7989

OPERATOR: C C Co

WELL NO. 27-2

LOCATION: 1/4 NE 1/4 NE 1/4 sec. 27, T. 20S, R. 21E, SLM

Grand County, Utah

1. Stratigraphy:
- |                    |      |
|--------------------|------|
| manos sh - surface |      |
| Dakota             | 2220 |
| Celler mtn         | 2370 |
| Morrison           | 2680 |
| Summitville        | 2810 |
| Entrada            | 2900 |

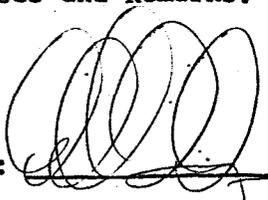
2. Fresh Water: none probable

3. Leasable Minerals: gas from ~ 2200 to TD

4. Additional Logs Needed: adequate

5. Potential Geologic Hazards: none expected

6. References and Remarks:

Signature: 

Date: 12 - 6 - 79

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

USUAL ENVIRONMENTAL ASSESSMENT

Date January 25, 1980

Operator CCCo. Well No. 27-2  
Location 1872' NSL <sup>602'</sup> 620' WEL Section 27 Township 20S Range 21E  
County Grand State Utah Field/Unit Cisco Dome  
Status: Surface Ownership Public Minerals Federal  
Lease No. U-7989 Permit No. \_\_\_\_\_

Joint Field Inspection Date: January 7, 1980

Field Inspection Participants, Titles, and Organizations:

<u>Dean Christensen</u>	<u>Operator</u>
<u>Elmer Duncan</u>	<u>Bureau of Land Management</u>
<u>Benny &amp; Max Hastings</u>	<u>Dirt Contractors</u>
<u>John Evans</u>	<u>U. S. Geological Survey</u>
_____	_____
_____	_____
_____	_____

Related Environmental Documents:

Book Mountain Unit Resource Analysis, Bureau of Land Management, Utah.

Prepared by: John T. Evans  
Environmental Scientist  
Grand Junction, Colorado

*Pal 250 x 250  
Pit 20 x 30  
1/4 mi x 1/2 mi new access  
Up grade 2 1/2 mile  
Prod. line not in use  
Flow line not in use  
Stockpile top soil  
2 a.c.*

*Revised plan  
PGE  
Mitigations  
1 - 4)*

Proposed Action:

On November 21, 1979, CCCo. filed an Application for Permit to Drill the No. 27-2 exploratory well, a 2950' oil and gas test of the Dakota, Morrison, and Entrada Formations, located at an elevation of 5254' in the NE $\frac{1}{4}$  SE $\frac{1}{4}$ , Sec. 27, T20S, R21E on federal mineral lands and public surface, lease No. U-16759.

The operator's plan was returned for revision and a partial revision was received in a letter dated December 15, 1978. This revision was inadequate. An onsite was conducted on January 7, 1980, and the operator agreed to resubmit a 13-Point Plan. On January 14, 1980, a revised plan was received in the Grand Junction office. This plan included the changes made and agreed to at the onsite inspection. There was no objection raised to the wellsite nor to the access road.

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

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

The operator proposes to construct a drill pad 250' wide x 250' long and ~~two~~ <sup>a</sup> reserve pit 20' x 30' (See revised plan). An access road would be reconstructed from an existing trail, 13' wide x 0.25 mile long and 2.5 miles of truck trail will be upgraded to 8' wide from an existing and improved road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad. Proposed production facilities were denied pending submittal of detailed plans. If production is established, plans for a gas and oil flowline would be submitted to the appropriate agencies for approval. The anticipated starting date is January 1980 and duration of drilling activities would be about five days.

Location and Natural Setting:

The proposed drillsite is approximately 10 miles SE of Cisco, Utah, the nearest town. A seismic trail runs to within 100 yards of the location. This well is in the Cisco Dome Field.

Topography:

The proposed location is on a broad terrace that slopes gently east cut by dendritic drainage. A moderate size draw passes to the north of the location.

Geology:

The surface geology is Mancos. The soil is sandy clay. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

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

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

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

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

#### Soils:

No detailed soil survey has been made of the project area. The topsoils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinyon-juniper association is also present, but sparse.

Topsoil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately two acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

#### Air:

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

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

Toxic or noxious gases would not be anticipated.

#### Precipitation:

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

Winds are medium and gusty, occurring predominantly from west to east. Air mass inversions are rare. The climate is semiarid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

#### Surface Water Hydrology:

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

#### Groundwater Hydrology:

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

#### Vegetation:

Plants in the area are of the salt-desert shrub types grading to the pinyon-juniper association at higher elevations. Proposed action would remove about two acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area. The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

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

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

The site is not visible from any major roads.

The overall effect of oil and gas drilling and production activity is significant in Grand County but it is difficult to assess the environmental impact of a single well on state and/or national levels. However, if said well was to produce in sufficient quantity, additional development wells might be anticipated. This additional development, in turn, would lead to greater environmental and socioeconomic consequences.

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

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

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

#### Waste Disposal:

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

#### Alternatives to the Proposed Action:

1) Not Approving the Proposed Permit--The Oil and Gas Lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies' supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration.

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

#### Proposed Stipulations if Approved:

- 1) Subject to BLM stipulations.
- 2) Production facilities not approved. Sundry Notice detailing production *facility* required.
- 3) Disposal of produced fluids require approval per NTL-2B.
- 4) Revised 13-Point rig layout plot does not fit "as staked" location. A field-approved layout is attached. It is recommended that a larger pit be constructed (10' x 80') so that, in the event water is encountered, pit volume would be available.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately two acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for subsurface damage to freshwater aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to Nash Wash would exist through leaks and spills.

If well is a producer, other development wells would be anticipated with substantially greater environmental and economic impacts.

We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

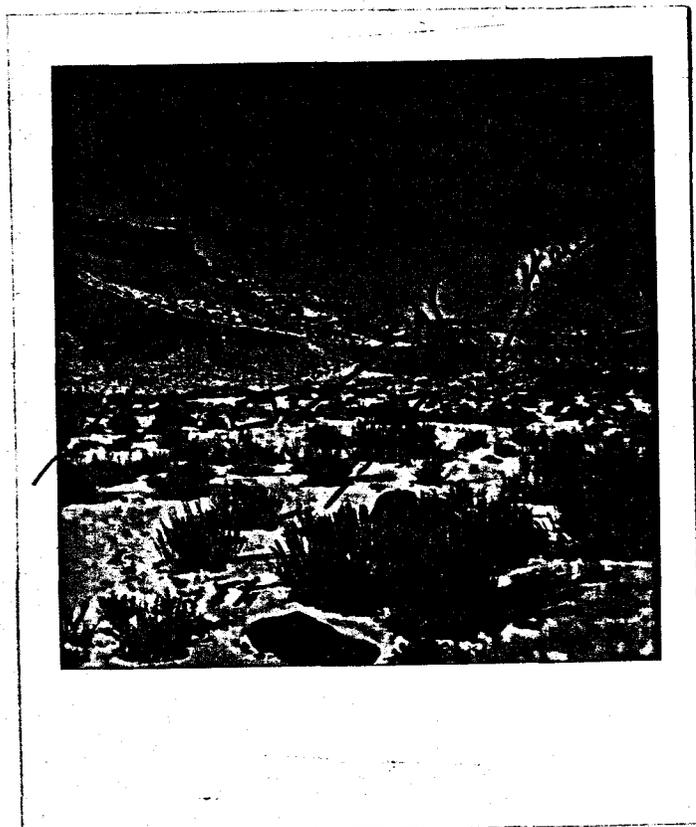
Determination:

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Sec. 102(2)(C).

Date

2/4/80

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



U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH  
TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH  
SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-7989

OPERATOR: C C Co WELL NO. 27-2

LOCATION: 1/2 NE 1/4 SE 1/4 sec. 27, T. 20S, R. 21E, SLM  
Grand County, Utah

1. Stratigraphy: manos sh - surface  
Dakota 2220  
Cedar Mt 2370  
Morrison 2680  
Summitville 2810  
Entrada 2900

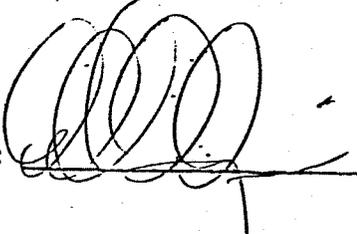
2. Fresh Water: none probable

3. Leasable Minerals: gas from ~ 2200 to TD

4. Additional Logs Needed: adequate

5. Potential Geologic Hazards: none expected

6. References and Remarks:

Signature: 

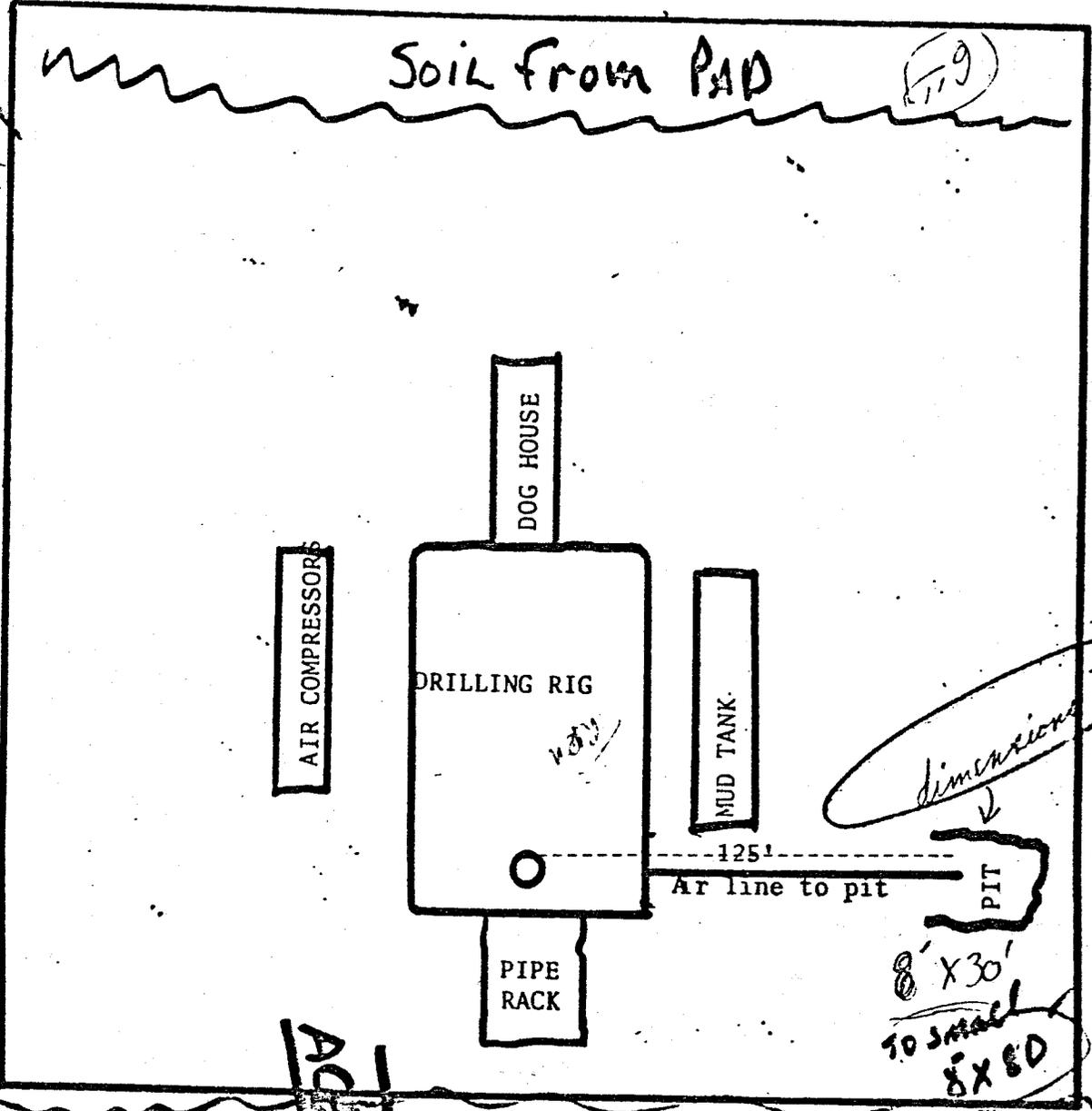
Date: 12 - 6 - 79

Fld Approved  
Lay out -  
JR

WELL: 27-2, NE 1/4, SW 1/4, Section 27, T20S, R21E

Access

250'



AIR COMPRESSOR

DOG HOUSE

DRILLING RIG

MUD TANK

PIPE RACK

PIT

125'  
Air line to pit

8' x 30'  
10 small  
8 x 60

dimensions

WASH

Access

250'

WASH -

CCCo/Adak Energy Corp  
3964 South State Street  
Salt Lake City, Utah 84107

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

Attention: Mr. Cleon B. Feight  
Director

November 19, 1979

RE: Well Permits  
27-2, 26-3, 26-4  
Grand County, Utah

Mr. Feight :

Attached hereto please find a drilling application for each of the above referenced well. A plat of the acreage owned is attached from which you may readily determine that no conflict exists with any well location, and that each of the proposed well locations is no closer than 2640' from any other well location or producing well. The Federal Government is a common Royalty owner for each of the locations and none of the wells comes closer to any lease boundry than 500' with the exception of the 26-3, which due to Topographical problems can only be located 491' south of the northline of Section 26.

A topographical exception of the 9' is requested as the area on which the well is requested drops off steeply to the south and east and the rig cannot be set up without the differential as requested.

Sincerely,

  
Dean H. Christensen

December 24, 1979

CCCo.  
3964 South State Street  
Salt Lake City, Utah 84107

Re: Well No. Federal #27-2  
Sec. 27, T. 20 S., R. 21 E.,  
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil and/or gas well is hereby granted in accordance with the Order issued in Cause No. 102-16B dated November 15, 1979.

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

MICHAEL T. MINDER  
Geological Engineer  
Office: 533-5771  
Home: 876-3001

CLEON B. FEIGHT  
Director  
Office: 533-5771  
Home: 466-4455

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

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

The API number assigned to this well is 43-019-30581.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder  
Geological Engineer

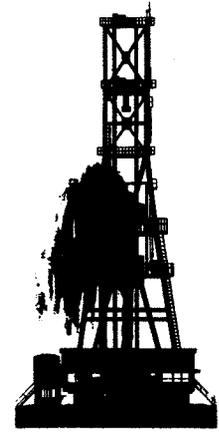
MTM/pjf  
cc: GS

# AD Co

3964 South State  
Salt Lake City, Utah 84107  
Telephone: (801) 268-8000

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

*Please file with  
well 7*



February 21, 1980

*Federal*

RE: AD Co - ~~GAMMERS DELIGHT~~ 27-2  
NE $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 27  
T20S, R21E  
Grand County, Utah

Gentlemen:

Attached please find a copy of a voluntary pooling agreement for the above referenced well. Please file this agreement with the well, as a copy has been filed with the Grand County Recorder's Office, Moab, Utah.

A copy of the approved communitization agreement will be filed with your office upon receipt from Casper, Wyoming (USGS).

Sincerely,

*Dean H. Christensen*  
Dean H. Christensen  
General Manager

**RECEIVED**

FEB 22 1980

DIVISION OF  
OIL, GAS & MINING

P O O L I N G     A G R E E M E N T

The undersigned parties do hereby agree to pool gas production and other hydrocarbon substances from the AD Co-Gamblers Delight 27-2 Well, situated in the 160-acre drilling and spacing unit comprising the SE $\frac{1}{4}$  of Section 27, Township 20 South, Range 21 East, SLB&M, in Grand County, Utah, on the following terms and conditions:

A. DIVISION OF INTERESTS

- |   |                |
|---|----------------|
| 1. Gulf Oil Corporation<br>P. O. Box 1150<br>Midland, Texas 79702           | .03515625 RI   |
| 2. CIG Exploration, Inc.<br>P. O. Box 749<br>Denver, Colorado 80201         | .01171875 RI   |
| 3. M. J. Harvey, Jr.<br>P. O. Box 12705<br>Dallas, Texas 75225              | .01250000 RI** |
| 4. Jack E. Blankenship<br>1979 Herbert Avenue<br>Salt Lake City, Utah 84108 | .02250000 RI   |
| 5. AD Co<br>3964 South State Street<br>Salt Lake City, Utah 84109           | .79312500 WI   |
| 6. U. S. Government<br>P. O. Box 2859<br>Casper, Wyoming 82602              | .12500000 RI   |

-----  
\*\*Mr. M. J. Harvey, Jr., has the option of converting his royalty position into a working interest. The impact if this option is exercised is as follows:

- |  |              |
|--|--------------|
| 3a. M. J. Harvey, Jr.<br>P. O. Box 12705<br>Dallas, Texas 75225    | .05468750 WI |
| 5a. AD Co<br>3964 South State Street<br>Salt Lake City, Utah 84107 | .75093750 WI |

All other interest to remain as shown

**RECEIVED**

FEB 22 1980

DIVISION OF  
OIL, GAS & MINING  
10-167-7945

Page 2 of 2  
Pooling Agreement  
January 2, 1980

B. All parties herewith agree to enter into an Operating Agreement for the operation of any and all wells which may be drilled on the acreage covered by this agreement.

C. All parties agree that they will execute such additional documents as may be necessary to carry out the effect of the above agreement concerning the disposition of the revenue from the successful development of the acreage covered under the pooling of the SE $\frac{1}{4}$  of Section 27, T20S, R21E, SLB&M, Grand County, Utah.

DATED this \_\_\_\_\_ day of January, 1980.

GULF OIL CORPORATION

ATTEST: \_\_\_\_\_

by: \_\_\_\_\_  
Title

ATTEST: *[Signature]*  
Assistant Secretary

CIG EXPLORATION, INC.

APPROVED  
LAND DEPT.  
BY *[Signature]*

by: *[Signature]*  
Asst. Vice President

Approved  
Asst. Secy  
By *[Signature]*  
Legal Dept

WITNESS \_\_\_\_\_

M. J. HARVEY, JR.

*[Signature]*

*[Signature]*  
JACK E. BLANKENSHIP

WITNESS \_\_\_\_\_

ATTEST: *[Signature]*

*[Signature]*  
AD Co.

RECEIVED

FEB 22 1980

DIVISION OF  
OIL, GAS & MINING

Page 2 of 2  
Pooling Agreement  
January 2, 1980

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DATED this \_\_\_\_\_ day of January, 1980.

GULF OIL CORPORATION

ATTEST: \_\_\_\_\_

ATTEST

by: \_\_\_\_\_

Title Attorney in Fact

ATTEST: \_\_\_\_\_

CIG EXPLORATION, INC.

by: \_\_\_\_\_

WITNESS

WITNESS

ATTEST: \_\_\_\_\_

M. J. HARVEY, JR.

JACK E. BLANKENSHIP

AD Co.

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FEB 22 1980

DIVISION OF  
OIL, GAS & MINING

Page 2 of 2  
Pooling Agreement  
January 2, 1980

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DATED this \_\_\_\_ day of January, 1980.

GULF OIL CORPORATION

ATTEST: \_\_\_\_\_

by: \_\_\_\_\_  
Title

ATTEST: \_\_\_\_\_

CIG EXPLORATION, INC.

by: \_\_\_\_\_

Deane H. Christensen  
WITNESS

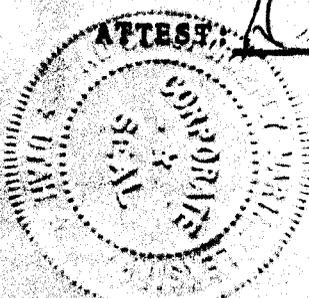
M. J. HARVEY, JR.  
M. J. HARVEY, JR.

Deane H. Christensen  
WITNESS

Jack E. Blankenship  
JACK E. BLANKENSHIP

ATTEST: Deane H. Christensen

Deane H. Christensen  
AD Co



RECEIVED

FEB 22 1980

DIVISION OF  
OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: C.C. Company

WELL NAME: Federal #27-2

SECTION 27 NE SE TOWNSHIP 20S RANGE 21E COUNTY Grand

DRILLING CONTRACTOR Shumway

RIG # 5

SPUDED: DATE 4/17/80

TIME 3:00 a.m.

How rotary-air

DRILLING WILL COMMENCE ASAP

REPORTED BY Dean Christensen

TELEPHONE # 268-8000

Original Signed By M. T. Minder

DATE April 17, 1980

SIGNED \_\_\_\_\_

cc: USGS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-7989

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

27-2

10. FIELD AND POOL, OR WILDCAT

Cisco Dome

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

27, T20S, R21E, SLB&M

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

CCCo

3. ADDRESS OF OPERATOR

3964 South State Street, Salt Lake City, Utah 84107

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface

602' West of The East Line, 1872 North of the South Line,  
Section 27, T20S, R21E, Grand County, Utah

14. PERMIT NO.

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

5088 Gr

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) SPUD WELL XXX

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

THE SURFACE CASING HOLE WAS SPUDDED 17 April 1980

RECEIVED  
APR 21 1980

DIVISION OF  
OIL, GAS & MINING

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

SIGNED

TITLE

GENERAL MANAGER

DATE 4/17/80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SECRET IN THE ORIGINAL COPY  
(Other instructions on reverse side)

BEST COPY AVAILABLE  
42-R1424  
SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

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

LEASE NO. U-7989  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_  
7. LEASE AGREEMENT NAME \_\_\_\_\_  
8. FARM OR LEASE NAME \_\_\_\_\_  
9. WELL NO. 27-2  
10. FIELD AND POOL, OR WILDCAT Cisco Dome  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 27-20S-21E  
12. COUNTY OR PARISH, TERRITORY Grand Utah

1. OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR CCCO  
3. ADDRESS OF OPERATOR

3964 South State, Salt Lake City, Utah 84107

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
1872' North of the South Line, 602 West of the East Line, Section 27, T20N, R21E, Grand County, Utah

14. PERMIT NO. \_\_\_\_\_ 15. ELEVATIONS (Show whether DE, BY, OR, etc.) 5254 G

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT		MULTIPLE COMPLETION		FRACTURE TREATMENT		ALTERING CASING	
ACIDIZING OR ACIDIZING		ABANDON		ACIDIZING OR ACIDIZING		ABANDONMENT	
REPAIR WELL (Other)		CHANGE PLANS		(Other)			

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

The well had no show of Oil or gas. Opr filled well top to bottom with cement. Down performed the work 5-15-80  
See attached oral approval.

RECEIVED  
FEB 2 1981

DIVISION OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct

SIGNED \_\_\_\_\_ TITLE Manager

(This space for Federal or State office use)

DATE 5-18-80

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

DATE

\*See Instructions on Reverse Side

27-2

ORAL APPROVAL TO FILE AND ABANDON WELL

BEST COPY AVAILABLE 1000

Operator CC Company Representative Dean Christensen

Well No. 27-2 Located NE 1/4 SE 1/4 Sec. 27 Twp 20S Range 21E

Lease No. U-7989 Field Cisco Drive State Utah

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

T.D. 3430 Size hole and Fill Per Sack 7 7/8" Mud Weight and Top 10 2 #/gal. \_\_\_\_\_

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>8 5/8</u>	<u>200</u>	<u>CIRC</u>		<u>19 marker</u>		
				<u>Surface</u>	<u>250</u>	<u>as needed</u>
Formation	Top	Base	Shows			
<u>Dakota</u>	<u>2915</u>					
<u>Colo Mt</u>	<u>3240</u>					
<u>Morrison</u>	<u>3400</u>				<u>3450</u>	<u>as needed</u>
<u>Estimada</u>	<u>3615</u>					

RECEIVED  
FEB 2 1980  
DIVISION OF  
OIL, GAS & MINING

Remarks

DST's, lost circulation zones, water zones, etc. No shows - water in Cedar Mountain - unknown quantity.

Fill all holes - fence pits as needed - rehabilitate as set forth in surface use plan

Approved by NT Martin Date 5-14-80 Time 8:55 A.M. / P.M.

CC OPERATOR w/cond of approval  
 BLH-Mark ✓  
 GS-Vinal ✓  
 GS-GJT ✓  
 File - this copy

MER  
 critical  
 bear marks

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: AD Company (Dean Christensen)

WELL NAME: Federal #27-2

SECTION 27 NE SE TOWNSHIP 20S RANGE 21E COUNTY Grand

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 3630'

CASING PROGRAM:

*8 5/8" @ 200' cemented to surface*

FORMATION TOPS:

<i>Dakota</i>	<i>2915'</i>
<i>Cedar Mtn</i>	<i>3240'</i>
<i>Entrada</i>	<i>3345'</i>
<i>Morrison</i>	<i>3400'</i>

PLUGS SET AS FOLLOWS:

*#1 3450' - 2850'*

*#2 250' - surface*

*9.5# - 10# mud between plugs, clean and restore site, erect regulation dryhole marker.*

DATE May 14, 1980

SIGNED \_\_\_\_\_

Original Signed By M. T. Minder

cc: USGS

AUGUST 14, 1980

AdCo Co.  
3904 So. State  
Salt Lake City, Utah 84107

Re: Well No. Federal #27-2  
Sec. 27, T. 20S, R. 21E.  
Grand County, Utah

Gentlemen:

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

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

Also any electric logs that were run on this well, please forward them also.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS & MINING

*Janice Tabish*  
JANICE TABISH  
CLERK-TYPIST

March 30, 1981

AdCo Company  
3964 South State  
Salt Lake City, Utah 84107

Re; Well No. Federal #27-0  
Sec. 27, T. 20S. R. 21E.  
GRAND COUNTY, UTAH

Gentlemen:

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

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

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



SANDY BATES  
CLERK-TYPIST

December 14, 1981

CC Company  
ATT: Dean Christensen

~~CC Company~~

3964 South State  
Salt Lake City, Utah 84108

Re: Well No. Federal #27-2  
Sec. 27, T. 20S, R. 21E  
Grand County, Utah  
LAST NOTICE

Gentlemen:

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

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

\*\*IF we do not hear from your office within fourteen days, this file will be turned over to the attorney at the Division of Oil, Gas and Mining for legal action.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

*Cleon B. Feight*  
CLEON B. FEIGHT  
DIRECTOR

*Dean Christensen  
is sending  
WC*

*Called Mar 16, 1982*



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

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

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

May 20, 1982

C C Company  
Att: Dean Christensen  
3964 South State  
Salt Lake City, Utah 84107

Re: Well No. Federal #27-2  
Sec. 27, T. 20S, R. 21E.  
Grand County, Utah

Dear Mr. Christensen:

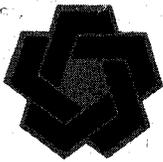
I spoke with you on the phone on March 16, 1982, after sending you a Last Notice letter for the Well Completion on the above well. This office has not received it yet. I will allow you seven days from the above date to get that Well Completion in to me. If I do not received it within seven (7) days, I will put your company on the agenda in June, for an Order to Show Cause before the Board of Oil, Gas and Mining.

Thank You,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse  
Clerk Typist



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

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

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

October 22, 1982

C C Company  
Attn: Dean Christensen  
3964 South State  
Salt Lake City, UT 84107

Re: Failure to comply with the General  
Rules and Regulations and statutes  
of the Division of Oil, Gas and  
Mining

Dear Mr. Christensen:

Records maintained by the Division of Oil, Gas and Mining indicate that you have failed to respond to numerous requests for information on the Federal 27-2 well located in Grand County, Utah.

Be advised that if the well completion report, logs and monthly status reports for the period April, 1980 through October, 1982 are not received by November 1, 1982 I shall schedule an Order to Show Cause before the Board of Oil, Gas and Mining. Among the measures I shall petition the Board to approve is a moratorium of all your future drilling applications and operations.

Perhaps up to this point you have not realized the serious possible consequences of your failure to comply with the Division's regulations. The situation is serious and unwarranted. Furthermore, it will not be allowed to persist.

It is my wish that this matter be resolved without compelling you to appear before the Board of Oil, Gas and Mining. Therefore, if I can be of any assistance, please do not hesitate to contact me.

Sincerely,

CAROLYN DRISCOLL  
SPECIAL ASSISTANT ATTORNEY GENERAL

CD:pf

# AD Co

3964 South State  
Salt Lake City, Utah 84107  
Telephone: (801) 268-8000



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
DIVISION OF OIL, GAS, & MINING  
4241 State Office Building  
Salt Lake City, Utah 84114

November 29, 1982

Attn: Well Records (Kary)

RE: STATUS OF 27-2  
Sec 27, T20S, R21E  
Grand County, Utah

Attached, please find copies of the original reports which were filed concerning the above well. This is the only information which I can presently locate.

No logs were ran on the well as we had a bad caving and wall collapsing problem. The depths were picked by the Geologist from actual sample returns, but every time the driller got out of the hole, no logging tools could be run in due to the caving and collapsing problems.

The well was plugged by Dowell Cementing services and the well was plugged from top to bottom thru the drill pipe as it was withdrawn from the well bore while circulating.

In the event other information is required and I'm sure that any other data can be reconstructed as necessary.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Dean H. Christensen', written in black ink.

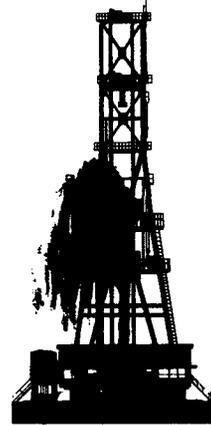
Dean H. Christensen  
Manager

**RECEIVED**  
NOV 30 1982

DIVISION OF  
OIL, GAS & MINING

# AD Co

3964 South State  
Salt Lake City, Utah 84107  
Telephone: (801) 268-8000



State of Utah  
Natural Resources and Energy  
Division of Oil, Gas, & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

November 29, 1982

Attn: Ms. C. Driscoll  
Special Asst Attorney General

RE: Letter Dated 22 Oct 82  
27-2 Well

Attached please find a copy of the letter sent to your well records personnel as well as copies of the original plugging request and approval from the USGS.

I personally contacted a Mr. Minder in your office and received the necessary State approval for abandonment of this well.

I hope that this clears up your request for additional information. I am sorry that I did not respond earlier, but today was the first time that I have been in the office for almost three months.

Sincerely,

  
Dean H. Christensen  
Manager

**RECEIVED**

NOV 30 1982

**DIVISION OF  
OIL, GAS & MINING**



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

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

*Dean came into office today  
and said he will clear  
these up immediately.* AUGUST 25, 1983  
*G. 2/1/84*

*Year*  
20 21 27  
27-2

ATTENTION: DEAN CHRISTENSON

On August 23, 1983, a check up was made on some of your WELL RECORDS at our division (DIVISION OF OIL, GAS & MINING), several well files indicated that these locations in GRAND COUNTY, UTAH have not been kept up to date. We are requesting that these below locations be caught up to date and kept up to date so the files can be kept accurate.

CC COMPANY  
3964 South State Street  
Salt Lake City, Utah 84107

Concerning WELL NUMBER PETRO X # 30-1, Sec.30, T.21S R.24E, GRAND COUNTY, UTAH. The Division needs the MONTHLY REPORTS on this well from (MARCH 1982-JULY 1983), And the WELL COMPLETION REPORT AND ELECTRIC LOGS also.

Concerning WELL NUMBER PETRO X # 16-1, Sec.16, T.21S R.23E, GRAND COUNTY, UTAH. The Division needs the MONTHLY REPORTS on this well from (FEBRUARY 1982-MARCH 1982) and (MAY 1982-JULY 1983), And the WELL COMPLETION REPORT AND ELECTRIC LOGS also.

Concerning WELL NUMBER FEDERAL # 7-1, Sec.7, T.21S R.23E, GRAND COUNTY, UTAH. The Division needs the MONTHLY REPORTS on this well from (JUNE 1982-JULY 1983), And the WELL COMPLETION REPORT AND ELECTRIC LOGS also.

CONCERNING WELL NUMBER FEDERAL # 17-1, Sec.17, T.21S R.23E, GRAND COUNTY, UTAH. The Division needs the MONTHLY REPORTS on this well from (JUNE 1982-JULY 1983), And the WELL COMPLETION REPORT AND ELECTRIC LOGS also.

PETRO X CORPORATION  
4668 Holladay Blvd., Suite # 111  
Salt Lake City, Utah 84117

Concerning WELL NUMBER PETRO X # 9-2, Sec.9, T.21S R.23E, GRAND COUNTY, UTAH.  
The Division needs the MONTHLY REPORTS on this well from (MAY 1983-AUGUST 1983),

AD CO COMPANY  
3964 South State Street  
Salt Lake City, Utah 84107

Concerning WELL NUMBER FEDERAL # 27-2, Sec.27, T.20S R.21E, GRAND COUNTY, UTAH.  
The Division needs the MONTHLY REPORTS on this well from (JUNE 1980-OCTOBER 1982) and (DECEMBER 1982-AUGUST 1983), And the WELL COMPLETION REPORT AND ELECTRIC LOGS also.

VUKOSOVICH DRILLING CO.  
3964 SOUTH STATE STREET  
Salt Lake City, Utah 84107

Concerning WELL NUMBER J.V. # 4-1, Sec.4, T.21S R.23E, GRAND COUNTY, UTAH.  
The Division needs the MONTHLY REPORTS on this well from (FEBRUARY 1983-AUGUST 1983).

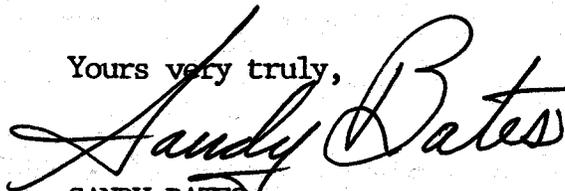
Concerning WELL NUMBER J.V. # 4A, Sec.3, T.21S R.23E, GRAND COUNTY, UTAH.  
The Division needs the MONIHLY REPORTS on this well from (FEBRUARY 1973-MARCH 1973) AND (MAY 1973- SEPTEMBER 1976) AND (NOVEMBER 1976-APRIL 1979) AND (JULY 1979-NOVEMBER 1979) AND (MARCH 1980-AUGUST 1983), And the WELL COMPLETION REPORT AND ELECTRIC LOGS also.

Concerning WELL NUMBER FEDERAL # 9A, Sec.4, T.21S R.23E, GRAND COUNTY, UTAH.  
The Division needs the MONTHLY REPORTS on this well from (DECEMBER 1976-APRIL 1979) AND (JUNE 1979) AND (AUGUST 1979-SPETEMBER 1979) AND (NOVEMBER 1979-AUGUST 1983), AND the WELL RECOMPLETION REPORT.

Concerning WELL NUMBER FEDERAL # 10A, Sec.5, T.21S R.23E, GRAND COUNTY, UTAH.  
The Division needs the MONTHLY REPORTS on this well from (MAY 1973-JULY 1973)  
and (NOVEMBER 1979-AUGUST 1983), AND the WELL RECOMPLETION REPORT AND ELECTRIC  
LOGS also.

-If you have any questions concerning this matter, please call this office.

Yours very truly,



SANDY BATES  
DIVISION OIL, GAS & MINING  
WELL RECORDS

SB/sb

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

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

**WELLS PLUGGED**  
FEB 2, 1984

1.  OIL WELL  GAS WELL  OTHER  DRY HOLE

2. NAME OF OPERATOR  
CCCo

3. ADDRESS OF OPERATOR  
3161 South 300 East, Salt Lake City, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface 1822' North of the South Line, 602' West of the East Line, Section 27, T20S, R21E, SLB&M

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

15. ELEVATIONS (Show whether SP, RT, GR, etc.)  
5254' Gr

5. LEASE DESIGNATION AND SERIAL NO.  
U-7989

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.  
Federal 27-2

10. FIELD AND POOL, OR WILDCAT  
Greater Cisco Area

11. SEC., T., R., M., OR BLK. AND SUBSTY OR AREA  
NESE Sec 27  
T20S, R21E

12. COUNTY OR PARISH  
GRAND

13. STATE  
UTAH

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____ <input type="checkbox"/>	
(Other) _____ <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

THIS WELL WAS PLUGGED AND ABANDONED May 15, 1980. The road was rehabilitated and planted as per the direction of the BLM. No logs were made on the hole due to deterioration during drilling and a subsequent bridge which could only be by-passed with a bit and pipe.

GEOLOGICAL FORMATIONS ENCOUNTERED:

MANCOS	SURFACE
DAKOTA	2915
CDR MT	3240
MORRISON	3400
ENTRADA	3615'

TOTAL DEPTH DRILLED 3650'

*W. C.  
called  
3/19  
486-2727*

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

SIGNED Dean J. Keith TITLE Manager DATE Feb 1, 1984

(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

5. LEASE DESIGNATION AND SERIAL NO.  
U-7989

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Adah

9. WELL NO.  
27-2

10. FIELD AND POOL, OR WILDCAT  
CISCO

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec: 27  
T20 S. R21 EAS

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 \_\_\_\_\_

2. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLDU BACK  DIFF. REVR.  Other P&A

3. NAME OF OPERATOR  
CCCO

4. ADDRESS OF OPERATOR  
3167 So 300 E, Salt Lake City, Utah 84115

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1872' No of 5 line, 602' west of East  
At top prod. interval reported below NESE  
At total depth Same

(14) PERMIT NO. 43-019-30581 DATE ISSUED Feb 29, 1980

16. DATE SPUDDED Apr 17, 1980 16. DATE T.D. REACHED 14 May 84 17. DATE COMPL. (Ready to prod.) P&A 5-14-80 18. ELEVATIONS (DF, BSB, RT, OR, ETC.)\* 5254' BR 19. ELEV. CASINGHEAD 5254'

20. TOTAL DEPTH, MD & TVD 3630' 21. PLUG. BACK T.D., MD & TVD TO Surface 22. IF MULTIPLE COMPL., HOW MANY? ONE 23. INTERVALS DRILLED BY \_\_\_\_\_ 24. ROTARY TOOLS \_\_\_\_\_ 25. CABLE TOOLS \_\_\_\_\_

26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD): NONE 27. WAS DIRECTIONAL SURVEY MADE? NO

28. TYPE ELECTRIC AND OTHER LOGS RUN: NONE - 29. WAS WELL CORDED? NO

28. CASING RECORD (Report all casing set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	23.5#	200	9 5/8	Cemented to Surface	NONE

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
	NONE						

31. PREPARATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH	INTERVAL (MD)	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	NONE		

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)		
NONE		NONE			P&A		
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.  
SIGNED: Dean A. Christen TITLE: MANAGER DATE: May 19, 1980