

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOGS ELECTRIC LOGS FILE **X** WATER SANDS LOCATION INSPECTED SUB REPORT API

DATE FILED **10-27-87**

LAND FEL & PATENTED STATE LEASE NO PUBLIC LEASE NO **U-62178** INDIAN

DRILLING APPROVEC **11-12-87**

SPUNDED IN

COMPLETED PUT TO PRODUCTION

INITIAL PRODUCTION

GRAVITY API

GOR

PRODUCING ZONES

TOTAL DEPTH

WELL ELEVATION

DATE ABANDONED **11-18-92**

FIELD **WILDCAT**

UNIT

COUNTY **SAN JUAN**

WELL NO **CYCLONE FLAT 2** API #**43-037-31363**

LOCATION **1980' FSL** FT FROM (N) IS LINE **1980' FWL** FT FROM (E) W LINE **NE SW** 14 - 14 SEC **30**

| TWP | RGE | SEC | OPERATOR | TWP        | RGE        | SEC       | OPERATOR        |
|-----|-----|-----|----------|------------|------------|-----------|-----------------|
|     |     |     |          | <b>37S</b> | <b>19E</b> | <b>30</b> | <b>TEB INC.</b> |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
**U-62178**

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

7. UNIT AGREEMENT NAME  
**N/A**

8. FARM OR LEASE NAME  
**Cyclone Flat**

9. WELL NO.  
**\*2**

10. FIELD AND POOL OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLK. AND SUBSET OR AREA  
**30-37s-19e SLBM**

12. COUNTY OR PARISH 13. STATE  
**San Juan Utah**

**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  
**TEB, Inc. (316) 637-2340**

3. ADDRESS OF OPERATOR  
**Route 1, Box 82, Toronto, Kansas 66777**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements\*)  
 At surface  
**1980' FSL & 1980' FWL (NESW)**

At proposed prod zone  
**Same**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**21 air miles WSW of Blanding, Utah**

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest Drig unit line, if any)  
**1,980'**

16. NO OF ACRES IN LEASE  
**2,353**

17. NO OF ACRES ASSIGNED TO THIS WELL  
**40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED OR APPLIED FOR, ON THIS LEASE, FT  
**1,320'**

19. IMPOSED DEPTH  
**2,700'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR etc.)  
**6,666' ungraded ground**

22. APPROX DATE WORK WILL START\*  
**Nov. 20, 1987**

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12-1/4"      | 8-5/8"         | 24* (J-55 ST&C) | 1,100         | 625 SK             |
| 7-7/8"       | 5-1/2"         | 14* (J-55 ST&C) | 2,700'        | 625 SK             |

APPROVED BY THE STATE  
 OF  
 KANSAS  
 MINING  
 11-13-87  
 John R. Beck  
 SPACING RUS-J-R

RECORDED  
 OCT 30 1987  
 DIVISION OF  
 OIL, GAS & MINING

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

24. SIGNED John R. Beck TITLE **Consultant** DATE **10-27-87**

(This space for Federal or State office use)

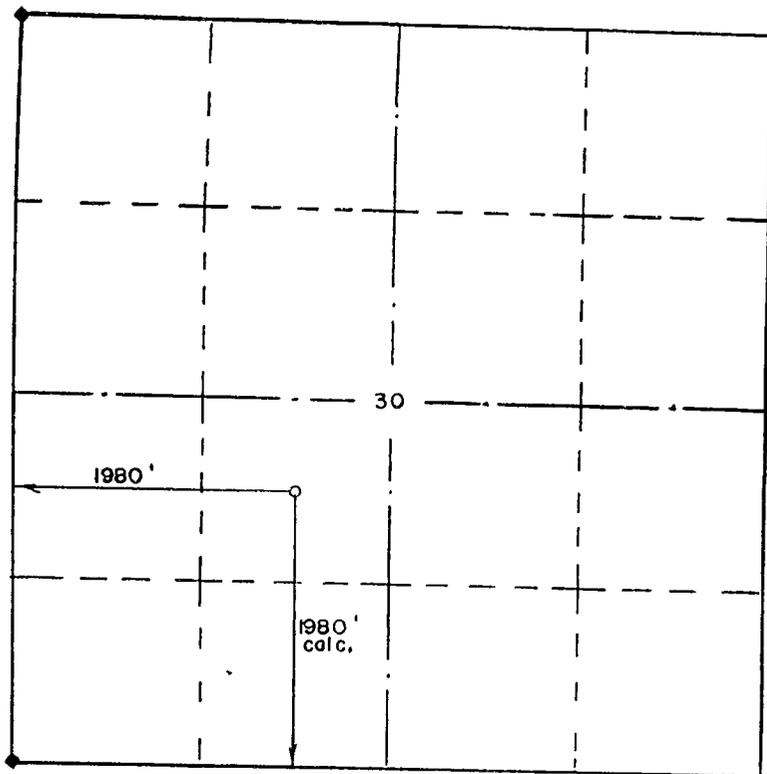
PERMIT NO 43-037-51363 APPROVAL DATE \_\_\_\_\_

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

cc Bird (3), MDO (3), SJRA (1), UDOGM (2)

\*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION  
 T&E, Inc  
 Cyclone Flat  
 1930' FEL & 1980' FWL  
 Section 30, T 37 S, R 11 W  
 San Juan County, Utah  
 6666' ground elevation

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 OIL, GAS & MINING

The above plat is true and correct to the best of my knowledge and belief.

22 October 1987

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 OCT 30 1987  
 DIVISION OF  
 OIL, GAS & MINING  
 S. J. COOK  
 COUNTY CLERK  
 SALT LAKE COUNTY

T E. BIRD  
ROUTE 1, BOX 82  
TORONTO KANSAS 66777  
316 637-2340

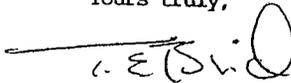
1255/10/21/87

Re: APDs

TO WHOM IT MAY CONCERN:

This letter authorizes Mr. Brian Wood, Permits  
West, Inc., Santa Fe, New Mexico, to sign APDs on  
behalf of TEB, Inc.

Yours truly,

A handwritten signature in black ink, appearing to read "T. E. Bird". The signature is written in a cursive style with a long horizontal stroke extending to the left.

T. E. Bird, President  
TEB, Inc.

TEB:mb

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OCT 30 1987

G/L, GAS & MINING

TEB, Inc.  
**Cyclone Flat #2**  
**1980' FSL & 1980' FWL**  
**Sec. 30, T. 37 S., R. 19 E.**  
**San Juan County, Utah**

All lease operations will be conducted in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order #1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. TEB, Inc. will furnish a copy of these conditions to its field representative to assure compliance.

**8 Point Drilling Program**

**1. ESTIMATED FORMATION TOPS**

| <u>Formation Name</u> | <u>Depth from GL *</u> | <u>Depth from KB</u> | <u>Subsea Depth</u> |
|-----------------------|------------------------|----------------------|---------------------|
| Cedar Mesa Ss         | 000'                   | 12'                  | +6,666'             |
| Halgaito Shale        | 1,060'                 | 1,072'               | +5,606'             |
| Hermosa               | 1,460'                 | 1,472'               | +5,206'             |
| Upper Ismay           | 2,395'                 | 2,407'               | +4,271'             |
| Lower Ismay           | 2,495'                 | 2,507'               | +4,171'             |
| Desert Creek          | 2,620'                 | 2,632'               | +4,046'             |
| P-40 Shale            | 2,675'                 | 2,687'               | +3,991'             |
| Total Depth (TD)      | 2,700'                 | 2,712'               | +3,966'             |

\* ungraded GL

**2. NOTABLE ZONES**

The estimated formation top depths from ungraded GL at which water, oil, gas, or other mineral bearing zones are expected to be encountered are

| <u>Possible Fresh Water Zone</u> | <u>Possible Salt Water Zones</u> | <u>Possible Oil &amp; Gas Zones</u> |
|----------------------------------|----------------------------------|-------------------------------------|
| Cedar Mesa 000'                  | Upper Ismay 2,395'               | Upper Ismay 2,395'                  |
|                                  | Lower Ismay 2,495'               | Lower Ismay 2,495'                  |
|                                  | Desert Creek 2,620'              | Desert Creek 2,620'                 |

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Water bearing zones will be protected with weighted mud. All fresh water encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

3. PRESSURE CONTROL (Also see "5" on PAGE 4)

BOP systems will be consistent with API RP 53. A 10" x 3,000 psi double ram and annular preventer with a 3,000 psi choke manifold will be used. A diagram of a typical BOP is on Page 3. Actual model will not be known until bid is let.

Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. Preventers will be pressure tested before drilling casing cement plugs. All BOP mechanical and pressure tests will be recorded on the drillers log.

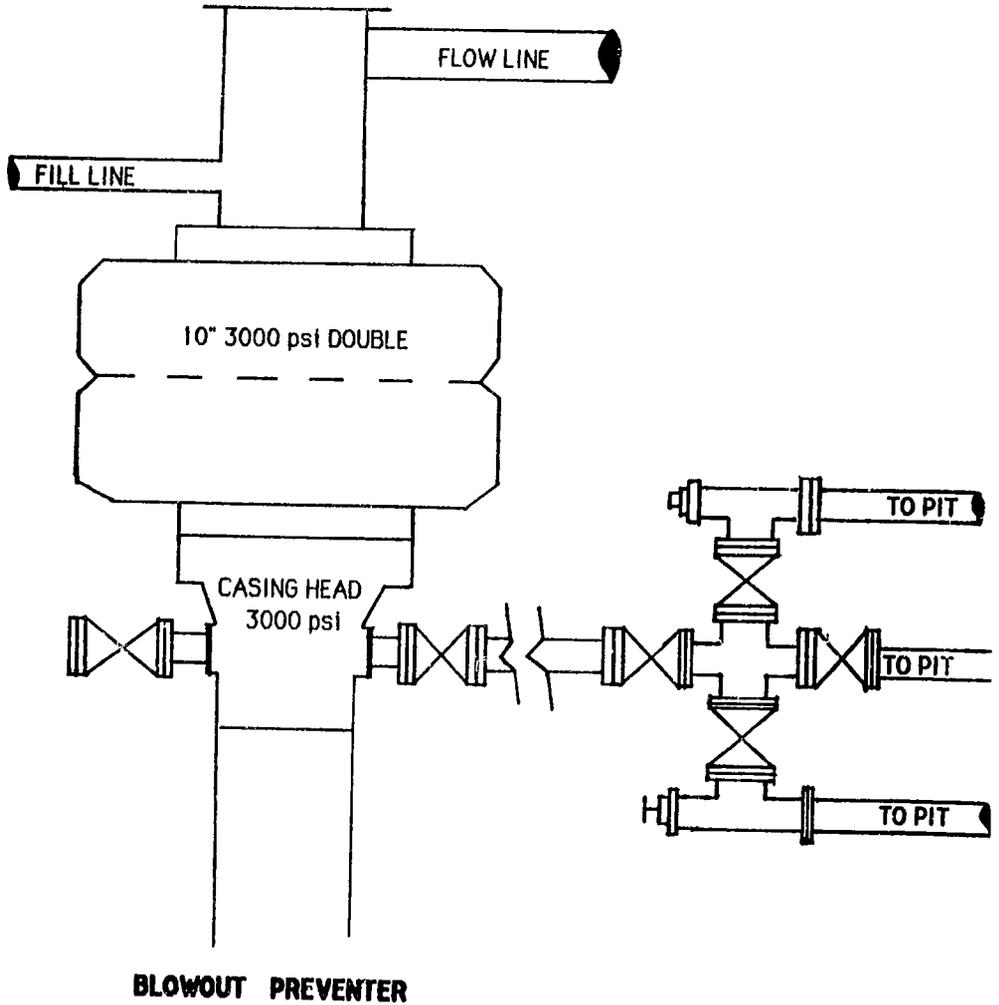
BOPs will be inspected and operated at least daily to assure good mechanical working order. This inspection will be recorded on the daily drilling report.

4 CASING & CEMENTING

| Hole Size | O.D.   | Weight | Grade | Type | Age | Setting Depth (GL) |
|-----------|--------|--------|-------|------|-----|--------------------|
| 12-1/4"   | 8-5/8" | 24*    | J-55  | ST&C | New | 0'-1,100'          |
| 7-7/8"    | 5-1/2" | 14*    | J-55  | ST&C | New | 0'-2,700'          |

Surface Casing (0-1,100') Cement to surface with 825 sx standard cement with 2% CaCl<sub>2</sub> and 1/4 lb/sk Flocele

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Production Casing (0' - 2,700') Cement to surface with 625 sx premium 50/50 Poz A with 2% total gel and 5 lb/sk Cal-seal with 18% salt.

The San Juan Resource Area will be notified one day before running casing strings and cement

#### 5. MUD PROGRAM

| <u>Depth</u>     | <u>Type</u> | <u>Weight (ppg)</u> | <u>Viscosity (sec/qt)</u> |
|------------------|-------------|---------------------|---------------------------|
| 0'-500'          | Fr Water    | 9 0                 | 45                        |
| 500'-2,700' (TD) | Fr Water    | 9 4                 | 28-45                     |

Lost circulation material (walnut shells, cedar bark, *etc.*) will be on location

#### 6. CORING, TESTING, & LOGGING

No cores are planned Drill stem tests may be run in the Ismay and Desert Creek if good shows are found The following logs may be run

GR Total Depth to Surface  
FDC/CNL/DLL/BHC Total Depth to 500'

Whether the well is completed as a dry hole or producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well, or after completion of operations being performed, *per* 43 CFR 3164 Two copies of all logs, core descriptions & analyses, well test data, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and/or completion operations, will be filed with Form 3160-4 (If requested, sample cuttings, fluids, and/or gases will be submitted to the

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District Manager.)

#### 7. DOWNHOLE CONDITIONS

The maximum anticipated bottom hole pressure is 2,000 psi. No abnormal pressures, temperatures, or hydrogen sulfide are expected.

#### 8. MISCELLANEOUS

The anticipated spud date is November 20, 1987. It is expected it will take 1 week to drill the well and 10 days to complete the well.

TEB, Inc. or its dirt contractor, will contact the Resource Area 48 hours before starting dirt work.

BLM may inspect or witness the following:

- 1) BOP tests or cementing and testing surface casing
- 2) Setting and testing surface casing shoe plug on a dry hole
- 3) Setting and testing of plugs across a producing horizon, and if applicable, the surface casing shoe plug and/or annulus squeeze jobs on a depleted producer.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be phoned to the Resource Area, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5), reporting the spud date and time, will be sent to the District Manager within 24 hours after

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spudding. If the spud is on a weekend or holiday, the Sundry will be sent on the following regular work day.

Starting with the month in which operations begin, and continuing each month until the well is physically plugged and abandoned, a "Monthly Report of Operations" (Form 3160-6) will be sent to the District Manager.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual events will be promptly reported to the Resource Area *per* NTL-3A.

A Sundry Notice will be filed for prior approval of the District Manager if a replacement rig is planned for completion. All conditions of this approved plan apply to all operations of the replacement rig. In emergencies, verbal approval can be given by the District Manager.

If the well is successfully completed for production, then the District Manager will be notified. Written notification will be sent not later than 5 business days following the date on which the well is placed on production. The Resource Area will schedule a first production conference within 15 days after receipt of the first production notice.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Manager. This preliminary approval will not exceed 30 days or 50 MMcf of gas. Approval to vent/flare beyond this initial period will require the District Manager's approval *per* NTL-4A.

No well abandonment operations will begin without the prior approval of the District Manager. With a newly drilled dry hole, failure, or emergency, oral approval will be obtained from the District Manager. A Sundry Notice will be sent to the District Manager within 30 days following completion of the well for abandonment. The Sundry will note where plugs were placed and the current status of surface restoration. Final abandonment will not

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Sec. 30, T. 37 S., R. 19 E.  
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be approved until reclamation required by the approved APD or abandonment notice has been completed to the satisfaction of the Area Manager.

Once plugged, a regulation dry hole marker will be erected. The following information will be beaded on with a welding torch: TEB, Inc., Cyclone Flat #2, NESW 30-37s-19e, U-62178.

TEB, Inc  
Cyclone Flat #2  
1980' FSL & 1980' FWL  
Sec. 30, T. 37 S., R. 19 E  
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### 13 Point Surface Use Plan

#### 1. EXISTING ROADS (See PAGES 16-17)

From the junction of U-95 and US 191 (*aka*, Shirttail Corner) south of Blanding, Utah, go west 25.3 mi on U-95  
Then turn left and go southwest 2.0 mi on a dirt road  
Then turn right and go 250 yards west to the well pad on a new road

Existing roads are state and BLM Roads will be maintained to a standard at least equal to their present condition. Only upgrading will be 100 yards of flat blading to remove ruts in SE Sec 18 and NE Sec 19. Maximum disturbed width will not exceed 30'

An Encroachment Permit has been filed with the San Juan County Road Department for part of the water haul route

#### 2 NEW ROADS (See PAGE 17)

There will be 250 yards of new road. It will be flat bladed with a maximum disturbed width not to exceed 30'. There will be no turnouts or fence crossings. Maximum cut or fill will be 3'. Maximum grade will be 5%.

Surface disturbance and vehicle travel will be limited to the approved location and road. Any additional area needed will be approved in advance by the Area Manager. If access is used during wet winter weather, road surfacing may be required.

The access will be water barred or brought to Class 3 Road Standards within 60 days of dismantling the drill rig. If this deadline cannot be met, the Resource Area will be notified so temporary drainage control can be

TEB, Inc.

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Cyclone Flat #2

1980' FSL & 1980' FWL

Sec. 30, T. 37 S., R 19 E

San Juan County, Utah

installed Class 3 Road Standards control drainage through the use of topography, ditch turnouts, dips, outsloping, crowning, low water crossings, and culverts Specific measures will be determined at a joint TEB-BLM field inspection

### 3 EXISTING WELLS

There are no water, producing, injection, or disposal wells within 1 mile. TEB does plan to drill 4 other wells within a one mile radius, they are:

Cyclone Flat #1 is 1,320' away at 660' FSL & 1980' FWL 30-37s-19e

Cyclone Flat #3 is 1,511' away at 1790' FNL & 2020' FWL 30-37s-19e

Cyclone Flat #4 is 2,640' away at 660' FNL & 1950' FWL 30-37s-19e

Cyclone Flat #5 is 3,960' away at 660' FSL & 1980' FWL 19-37s-19e

### 4 PROPOSED PRODUCTION FACILITIES

The type and layout of the production facilities are not known now. An on-site will be held and a Sundry Notice will be submitted for approval before they are installed

All permanent (on site for 6 or more months) surface facilities will be painted a flat, neutral, earthtone color. Painting will be completed within 6 months of installation. Parts required to comply with OSHA colors will be excluded. Specific color will be determined by BLM after an on-site.

The tank battery will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank in the battery. All loading lines will be placed inside the dike.

All site security guidelines in 43 CFR 3162.7 will be obeyed. All product

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lines entering and leaving hydrocarbon storage tanks will be effectively sealed

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease must have prior written approval from the District Manager.

Any gas meter run will be within 500' of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500' downstream of the meter and any production facilities. Meters will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well pad. Meters will be calibrated in place before delivery begins. Meter accuracy tests will be conducted monthly for the first 3 months on new meters, and at least quarterly thereafter. The Resource Area will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be sent to the Resource Area. All meters will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

##### 5 WATER SUPPLY (See PAGE 16)

Water will be trucked 12.4 mi from Comb Wash on BLM administered land in NE Sec 13, T 38 S, R 20 E. An Application to Appropriate Water has been filed with the State of Utah Div. of Water Rights. This is casual use.

##### 6 CONSTRUCTION MATERIALS

Pad construction materials are native *in situ* soils on lease. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

TEB, Inc.  
Cyclone Flat #2  
1980' FSL & 1980' FWL  
Sec. 30, T. 37 S., R. 19 E  
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## 7 WASTE DISPOSAL

The reserve pit will not be lined. Half of the capacity will be in cut.

The pit will be fenced on 3 sides with 4 strands of barbed wire or woven wire topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries.

All trash will be placed in a burn pit. It will be built near the mud tanks and dug at least 6' into cut. It will be totally enclosed with a fine wire mesh before the rig moves in. A burning permit is required for burning trash between May 1 and October 31. A burning permit can be obtained by calling the San Juan County Sheriff at (801) 587-2237. The road and pad will be kept litter free.

Human waste will be disposed of in 20' deep ratholes or chemical toilets. The ratholes will be immediately filled when the trailers are removed.

Produced water will be confined to the reserve pit for a period not to exceed 90 days after initial production. During the 90 day period, an NTL-2B application will be submitted for the District Manager's approval of a permanent disposal method and site.

## 8 ANCILLARY FACILITIES

There will be no airstrip or formal camp. Three camper trailers may be on site for the company man, mud logger, and tool pusher.

## 9 WELL SITE LAYOUT

See PAGES 18-20 for depictions of the well pad, cross sections, cut and

TEB, Inc  
Cyclone Flat #2  
1980' FSL & 1980' FWL  
Sec. 30, T 37 S, R 19 E  
San Juan County, Utah

fill diagrams, reserve pit, burn pit, access road onto the pad, parking, living facilities, soil stockpile, and rig orientation

The top 8" of soil will be removed from the location and stockpiled southeast of the pad

10 RECLAMATION

Immediately upon completion of drilling, all trash and debris will be collected from the pad and surrounding area and placed in the burn pit

TEB's dirt contractor will call the Resource Area 48 hours before starting reclamation that involves earth moving equipment, and upon completion of reclamation. The reserve pit must be completely dry before it is backfilled.

All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts. It also includes backfilling the pond built in Comb Wash.

The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12" deep with the contour.

Seed will be broadcast between October 1 and February 28 with the following mixture. A harrow or similar implement will be dragged over the area to assure seed cover.

| <u>Species</u>                                     | <u>Rate (pounds/acre)</u> |
|--|---------------------------|
| Crested wheatgrass ( <i>Agropyron desertorum</i> ) | 10                        |

After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed area. The new access will be blocked to prevent vehicle

TEB, Inc  
Cyclone Flat #2  
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access

The reserve pit and that part of the pad not needed for production will be reclaimed as previously described. Enough topsoil will be kept to reclaim the remainder of the pad at a future date. The remaining topsoil stockpile will be seeded in place using the prescribed seed mix.

11 SURFACE OWNER

The surface owner of the pad and access road is the US Government.

12 OTHER INFORMATION

The dirt contractor will be provided with an approved copy of the surface use plan.

There will be no change from the proposed drilling and/or workover plan without prior approval from the District Manager. A Sundry Notice will be filed for approval for all changes of plans and other operations *per* 43 CFR 3164.

Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified *per* 43 CFR 3162.2.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the Resource Area will be called. All people who are in the area will be informed by TEB that they are subject to prosecution for disturbing archaeological sites or picking up artifacts, including arrowheads.

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This permit will be valid for one year from the date of approval. After it expires, a new application will be filed for approval of any future operations.

The District Office's mailing address is P.O. Box 970, Moab, Utah 84532. The phone number is (801) 259-6111. Ask for Steve Jones.

The Resource Area's mailing address is P.O. Box 7, Monticello, Utah 84535. The phone number is (801) 587-2141. Ask for Rich McClure for surface problems. Ask for Mike Wade for subsurface problems.

The nearest hospital is a 70 minute drive to Monticello, Utah. It is 3 blocks northwest of the intersection of US 666 and US 191. Phone number is (801) 587-2116. The nearest medically equipped helicopter is in Grand Junction, Colorado, at St. Mary's Hospital. Call (303) 244-2550.

### 13. REPRESENTATION AND CERTIFICATION

Anyone having questions concerning the APD should contact:

Brian Wood  
Permits West, Inc.  
37 Verano Loop  
Santa Fe, NM 87505  
(505) 984-8120

The field representative for TEB, Inc. will be:

Tom Bird  
TEB, Inc.  
Rt. 1, Box 82  
Toronto, Ks. 66777  
(316) 637-2340

TEB, Inc.  
Cyclone Flat #2  
1980' FSL & 1980' FWL  
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CERTIFICATION

I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by TEB, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

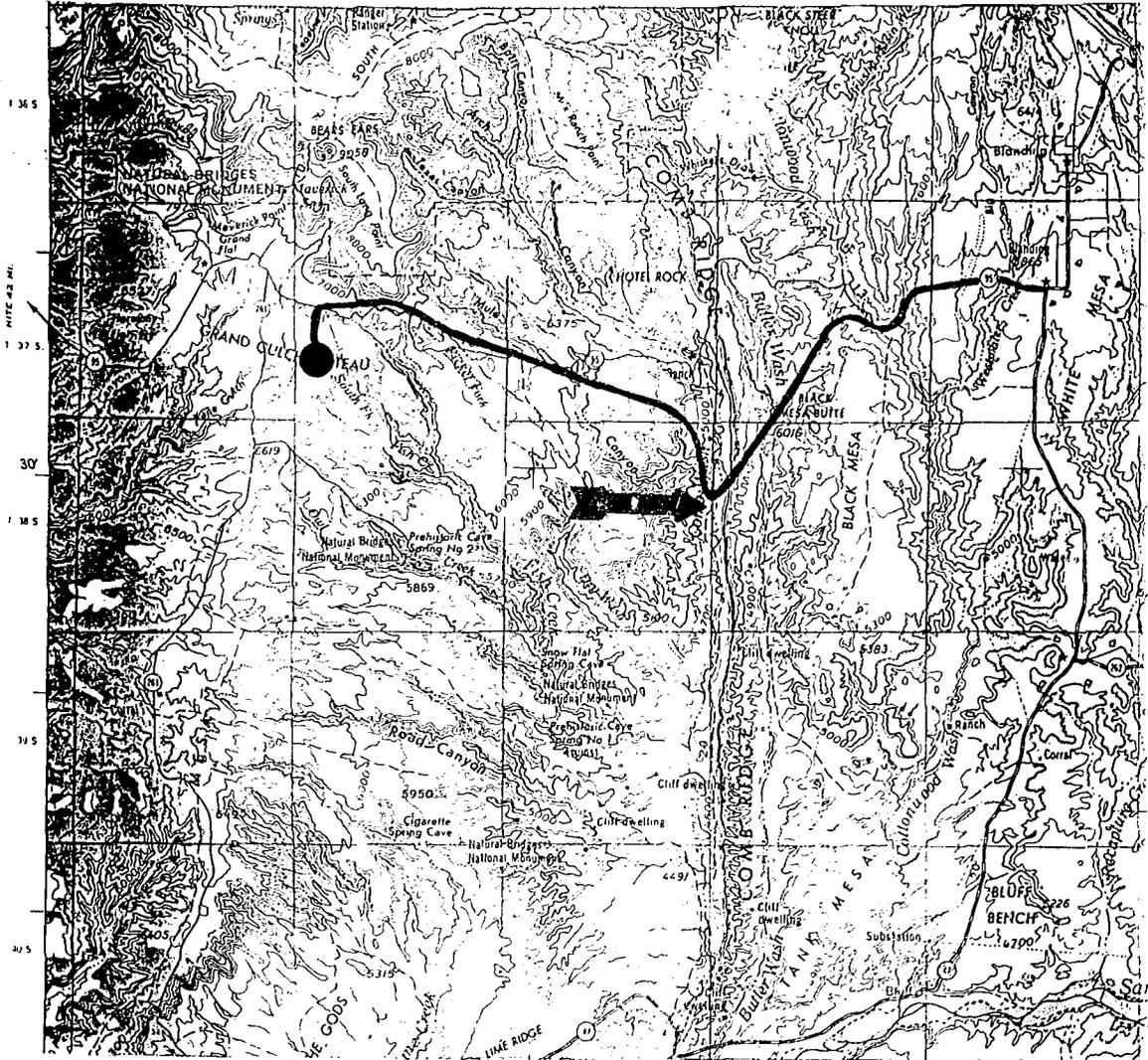
  
\_\_\_\_\_  
Brian Wood

10-27-87  
\_\_\_\_\_  
Date

TEB, Inc.  
 Cyclone Flat #2  
 1980' FSL & 1980' FWL  
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 BUREAU OF LAND MANAGEMENT  
 OIL, GAS & MINING



Cyclone Flat #2 Well:

Access:

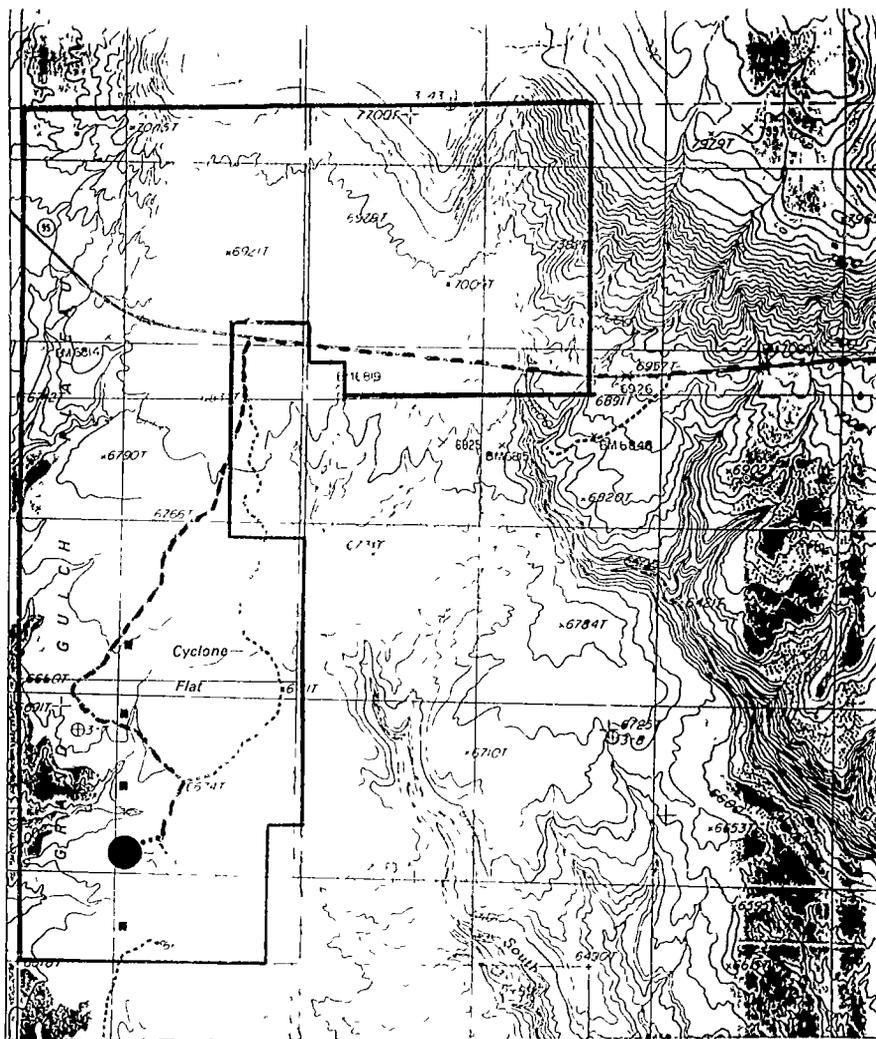
Water Source:

TEB, Inc  
Cyclone Flat #2  
1980' FSL & 1980' FWL  
Sec. 30, T 37 S, R 19 E  
San Juan County, Utah

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CAL. GAS & MINING



Cyclone Flat #2 Well

Lease U-62178

Existing Access - - -

New Access . . .

**PERMITS WEST** INC  
PROVIDING PERMITS for the ENERGY INDUSTRY

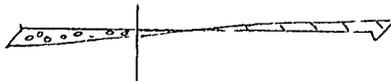


WELL PAD CROSS-SECTION

Cyclone Flat #2

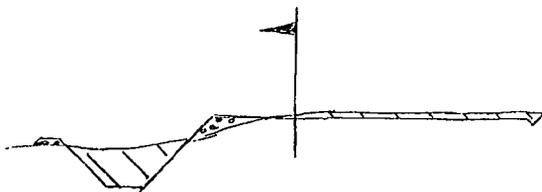
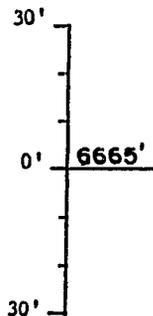
Cut   
Fill 

Scales: 1" = 60' H.  
1" = 30' V.



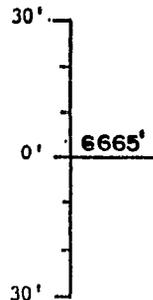
C<sub>L</sub>

C<sub>R</sub>



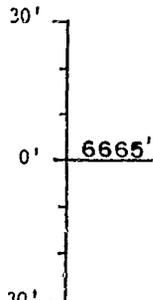
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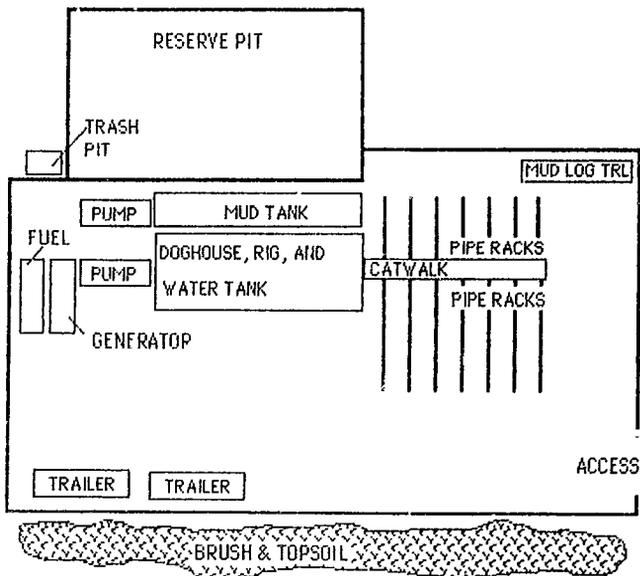
A<sub>L</sub>

A<sub>R</sub>



RECORDED  
OCT 30 1987

TEB, Inc  
Cyclone Fiat #2  
1980' FSL & 1980' FWL  
Sec 30, T. 37 S., R. 19 E.  
San Juan County, Utah



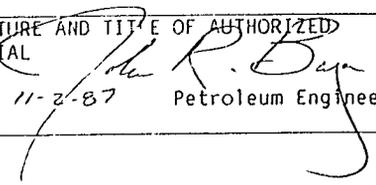
**RECEIVED**  
OCT 30 1987

DIVISION OF  
OIL, GAS & MINING



STATE ACTIONS

Mail to  
RDCC Coordinator  
116 State Capitol  
Salt Lake City, Utah 84114

|     |   |     |  |
|-----|---|-----|--|
| 1   | ADMINISTERING STATE AGENCY<br>OIL, GAS AND MINING<br>355 West North Temple<br>3 Triad Center, Suite 350<br>Salt Lake City, UT 84180-1203  | 2   | STATE APPLICATION IDENTIFIER NUMBER<br>(assigned by State Clearinghouse)   |
|     |   | 3   | APPROXIMATE DATE PROJECT WILL START.<br>November 20, 1987  |
| 4.  | AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:<br>(to be sent out by agency in block 1)<br>Southeastern Utah Association of Local Governments  |     |  |
| 5.  | TYPE OF ACTION: <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Permit <input type="checkbox"/> License <input type="checkbox"/> Land Aquisition<br><input type="checkbox"/> Land Sale <input type="checkbox"/> Land Exchange <input type="checkbox"/> Other _____   |     |  |
| 6.  | TITLE OF PROPOSED ACTION<br>Application for Permit to Drill   |     |  |
| 7.  | DESCRIPTION<br>TEB, Inc proposes to drill a wildcat well, the Cyclone Flat #2, on federal lease number U-62178 in San Juan County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U S Bureau of Land Management is the primary administrative agency in this case and must issue approval to drill jointly with DOGM before operations can commence. <u>Note</u> A previous clearinghouse item was submitted involving the same operator and federal lease, but a different well. |     |  |
| 8.  | LAND AFFECTED (site location map required) (indicate county)<br>NE/4, SW/4, Section 30, Township 37 South, Range 19 East, San Juan County, Utah   |     |  |
| 9.  | HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?<br>Unknown  |     |  |
| 10. | POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR.<br>No significant impacts are likely to occur   |     |  |
| 11. | NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE<br>Chip Hutchinson, Moab, 259-8151   |     |  |
| 12. | FOR FURTHER INFORMATION, CONTACT  | 13. | SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL<br><br>DATE 11-2-87<br>Petroleum Engineer |
|     | John Baza<br>PHONE 538-5340   |     |  |

# CONFIDENTIAL 012302

OPERATOR TEB Inc DATE 11-4-87

WELL NAME Cogelow Flat #2

SEC N6 SW30 T 37S R 19E COUNTY San Juan

43-037-31363  
API NUMBER

Feed  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Water α - 09-1542 (T 62944)

APPROVAL LETTER:

SPACING:

R615-2-3

UNIT

R615-3-2

CAUSE NO. & DATE

R615-3-3

STIPULATIONS:



NORMAN H. BANGERTER  
GOVERNOR

1985  
DES

STATE OF UTAH  
DEPARTMENT OF COMMUNITY AND  
ECONOMIC DEVELOPMENT

November 11, 1987

Division of  
State History  
(UTAH STATE HISTORICAL SOCIETY)

MAX J. EVANS, DIRECTOR  
300 RIO GRANDE  
SALT LAKE CITY, UTAH 84101-1162  
TELEPHONE 801/533-5755

John Baza  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RE: Cyclone Flat #2 Well, U-62178, State # UT871103-020

In Reply Please Refer to Case No. K584

Dear Mr. Baza:

The Utah State Historic Preservation Office has received for comment the above referenced project. After a review of the project area by our staff, we find that there are no known cultural resource surveys that have been completed in the area. As there are no known surveys, there are also no known sites. There is, however, one site, 42Sa8876, that is located to the south and east of the proposed well pad. In addition, the drainages surrounding this mesa have been surveyed and the results indicate various sites associated with within these areas. In addition, several of the mesa tops of the area have been surveyed and a cultural resources have been located on them as well. The proposed well pad is therefore being placed in an area that has exhibited a high potential for historic cultural resources. The Utah Division of Natural Resources, Water Rights, can use this information to make a determination on further action.

The above is provided on request as outlined by 36 CFR 800 or Utah Code, Title 63-18-37. If you have questions or need additional assistance, please contact David Schirer at (801) 533-7039.

Sincerely,

A. Kent Powell  
Deputy State Historic  
Preservation Officer

DLS:jrc:K584/4857V OR

cc: Chairperson, Resource Development Coordinating Committee, State Planning  
Office, 118 State Capitol, Salt Lake City, Utah 84114



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangertler, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

5 W North Temple • 3 Triad Center • Suite 350 • Salt Lake City UT 84180-1203 • 801-538-5340

November 12, 1987

TEB, Incorporated  
Route 1, Box 82  
Toronto, Kansas 66777

Gentlemen:

Re: Cyclone Flat 2 - NE SW Sec. 30, T. 37S, R. 19E - San Juan County  
1980' FSL, 1980' FWL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2  
TEB, Incorporated  
Cyclone Flat 2  
November 12, 1937

6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31363.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

35  
Enclosures  
cc: Branch of Fluid Minerals  
D. R. Nielson  
3159T



116 State Capitol Building  
Salt Lake City, UT 84114  
Telephone 801-533-5245

*file*

## office of planning and budget

Norman H Bangerter, Governor Dale C Hatch, C P A J D Director Michael E Christensen Ph D Deputy Director

November 12, 1987

John Baza  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

SUBJECT: TEB, Inc. Application for Permit to Drill a Wildcat Well on State  
Lease #U-62178, San Juan County  
State Application Identifier #UT871103-020

Dear John:

The Resource Development Coordinating Committee of the State of Utah has reviewed this proposed action and no comments have been indicated.

The Committee appreciates the opportunity of reviewing this document. Please address any other questions regarding this correspondence to Carolyn Wright (801) 538-1535.

Sincerely,

*Michael E. Christensen*

Michael E. Christensen  
Deputy Director

DCH/jw

NOV 16 1987

DIVISION OF  
OIL, GAS & MINING

112419

Form 3160-3  
(November 1983)  
(formerly 9-331C)

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

Form approved,  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO  
**U-62178**

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

7. UNIT AGREEMENT NAME  
**N/A**

8. FARM OR LEASE NAME  
**Cyclone Flat**

9. WELL NO  
**#2**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLEK.  
AND SURVEY OR AREA  
**30-37s-19e SLBM**

12. COUNTY OR PARISH 13. STATE  
**San Juan Utah**

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**

3. NAME OF OPERATOR  
**TEB, Inc (316) 637-2340**

2. ADDRESS OF OPERATOR  
**Route 1, Box R2, Toronto, Kansas 66777**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements\*)  
At surface  
**1980' FSL & 1980' FWL (NESW)**

At proposed prod zone  
**Same**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**21 air miles WSW of Blanding, Utah**

18. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT  
(Also to nearest dir. unit line, if any)  
**1,980'**

16. NO. OF ACRES IN LEASE  
**2,353**

17. NO. OF ACRES ASSIGNED  
TO THIS WELL  
**40**

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLY PUL. ON THIS LEASE, FT.  
**1,320'**

19. PROPOSED DEPTH  
**2,700'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6,666' ungraded ground**

22. APPROX DATE WORK WILL START\*  
**Nov. 20, 1987**

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12-1/4"      | 8-5/8"         | 24# (J-55 ST&C) | 1,100'        | 625 SK             |
| 7-7/8"       | 5-1/2"         | 14# (J-55 ST&C) | 2,700'        | 625 SK             |

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 Rita Ward TITLE **Consultant** DATE **10-27-87**

(This space for Federal or State office use)

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

APPROVED BY /s/ Kenneth V. Lee TITLE **Acting District Engineer** DATE **NOV 13 1987**

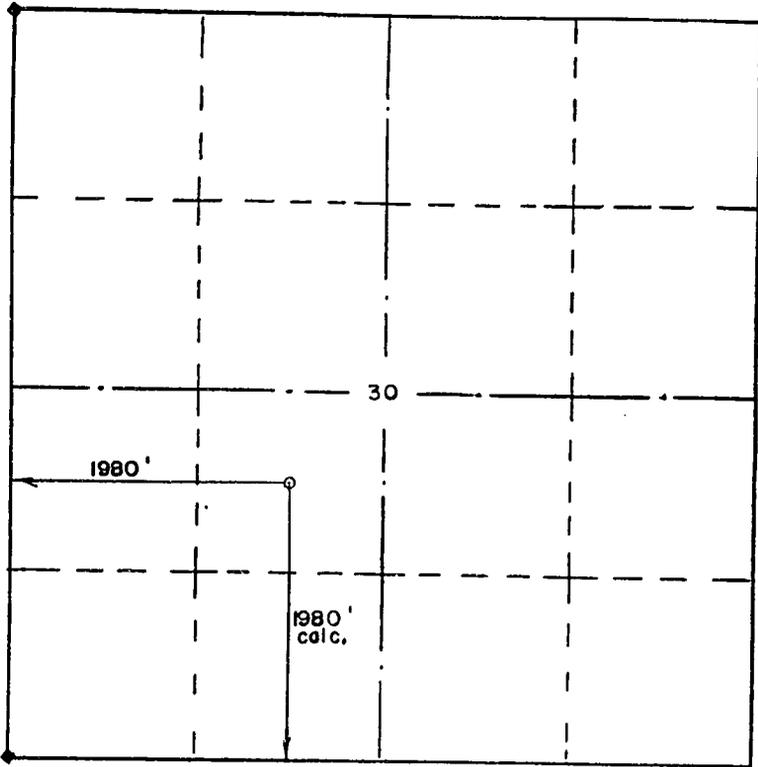
CONDITIONS OF APPROVAL IF ANY  
**FLARING OR BURNING OF GAS SUBJECT TO RIGHT OF WAY APPROVAL**

cc: Bird (3), MDO (3), SJRA (1), UOOGM (2)  
CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

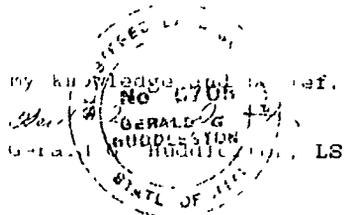
WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION  
 TEE, Inc  
 Cylone Plat #2  
 1980' FSL & 1980' FWL  
 Section 30, T. 37 S., R. 1 W.  
 San Juan County, Utah  
 6666' ground elevation

The above plat is true and correct to my knowledge and belief.

22 October 1987



TEB, Inc.  
Well No. Cyclone Flat 2  
Sec. 30, T. 37 S., R. 19 E.  
San Juan County, Utah  
Lease U-62178

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

**B. THIRTEEN POINT SURFACE USE PLAN**

1. To reduce conflicts with recreational users, drilling will only be allowed from November 1 through February 28 and June 16 through September 14. This stipulation does not affect production activities.
2. Prior to setting production facilities or beginning reclamation, an onsite will be held between the operator, contractors and BLM.
3. All production equipment will be muffled.
4. All fluids will be removed from reserve pits after wells are completed or plugged to allow total completion of reclamation by February 28.
5. The natural contours of Comb Wash will be restored when water hauling is completed.

NOTIFICATIONS

Notify the San Juan Resource Area, at (801) 587-2141 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

1 day prior to running and cementing surface casing;

1 day prior to pressure testing of BOPE and/or surface casing.

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed:

Steven Jones, Petroleum Engineer                      Office Phone: (801) 259-6111

Home Phone: (801) 259-7404

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

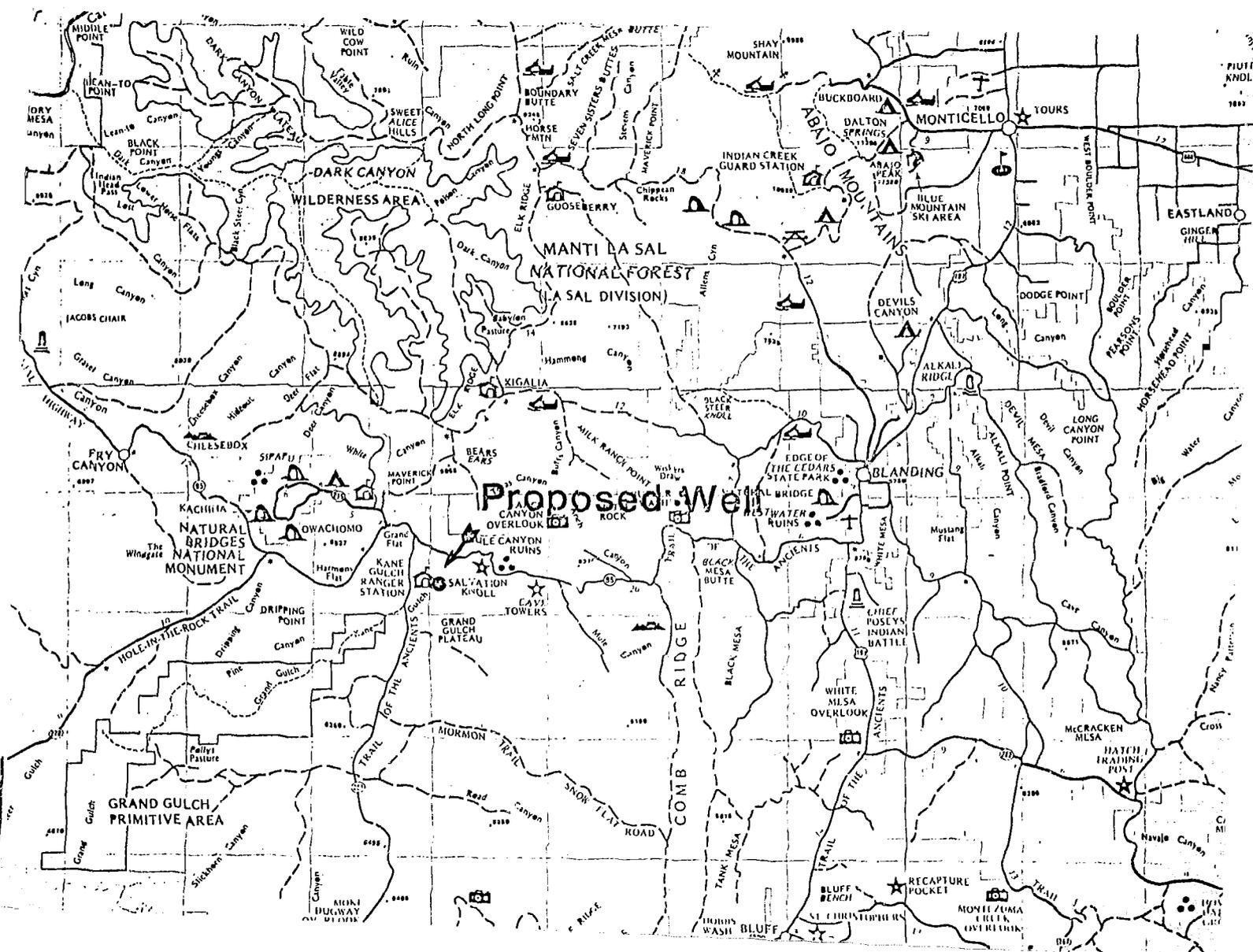
Home Phone: (801) 259-7990

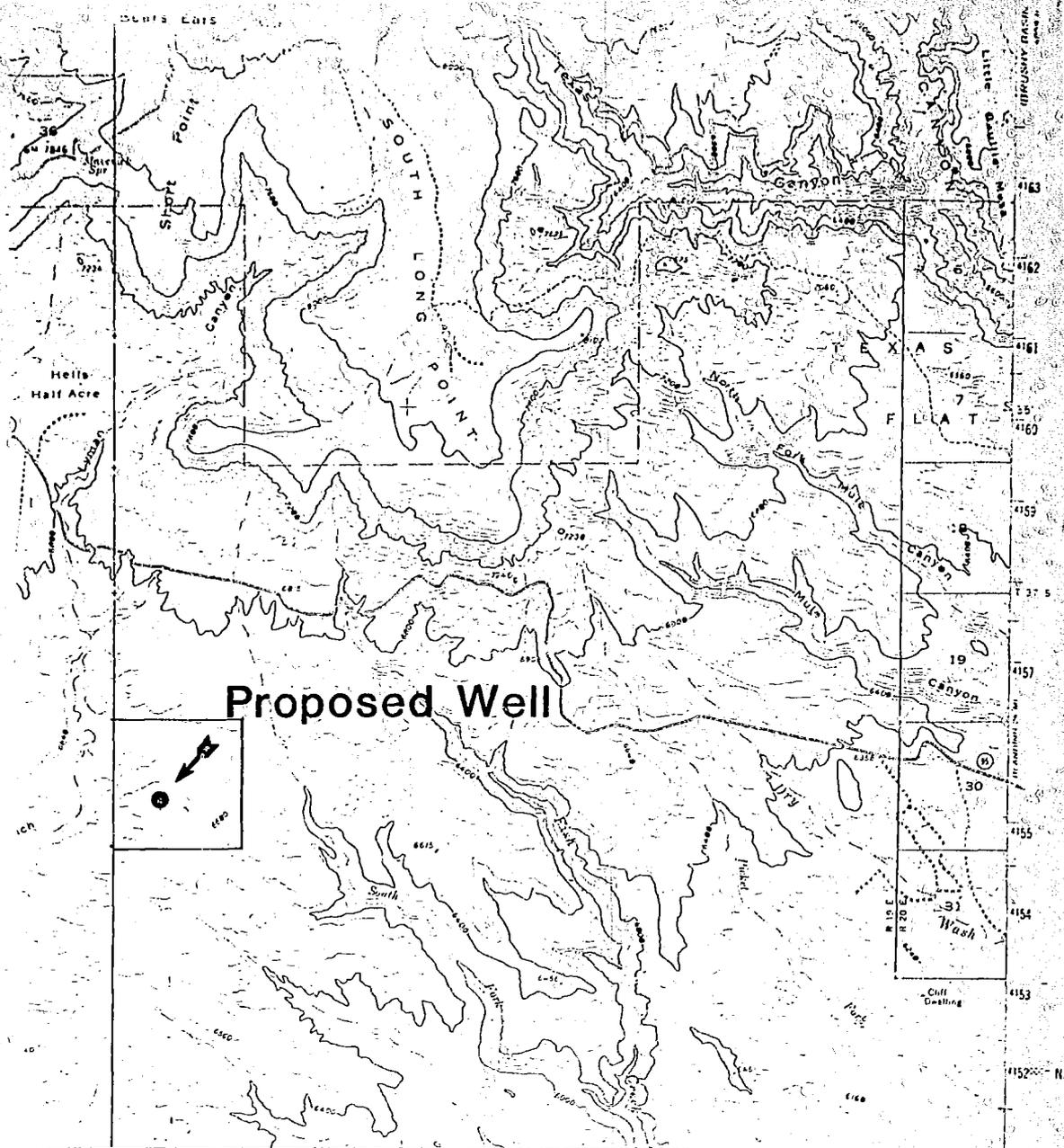
Paul Brown, I&E Coordinator

Office Phone: (801) 259-6111

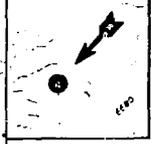
Home Phone: (801) 259-7018

24 hours advance notice is required for all abandonments.





**Proposed Well**

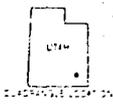


(CEDAR MESA)  
4058 IV  
SCALE 1:62500



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

FOR A NATIONAL MAP AND ROAD BRANDS  
KEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242  
GRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION

- Unimproved dirt
- State Route

**BEARS EARS, UTAH**  
NAD 83 - 415945/15

7954

AMS 4058 III-SERIES 1024

# SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

HAROLD JACOBS  
Chairman  
WILLIAM HOWELL  
Executive Secretary

P.O. Drawer A1 • Price, Utah 84501 • Telephone 637-5444

4 1987

DIVISION  
OIL, GAS & MINING

AREAWIDE CLEARINGHOUSE A-95 REVIEW

120911

11-1103-8

NOI \_\_\_ Preapp \_\_\_ App \_\_\_ State Plan \_\_\_ State Action X Subdivision \_\_\_ (ASP # \_\_\_)

Other (indicate) \_\_\_\_\_ SAI Number UT871103-020

Applicant (Address, Phone Number):

Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Federal Funds:

Requested: \_\_\_\_\_

*Orl.*  
*TEB Inc. 4303731363*  
*Cyclone Flat #2*  
*30-375-19E*  
*San Juan Co.*

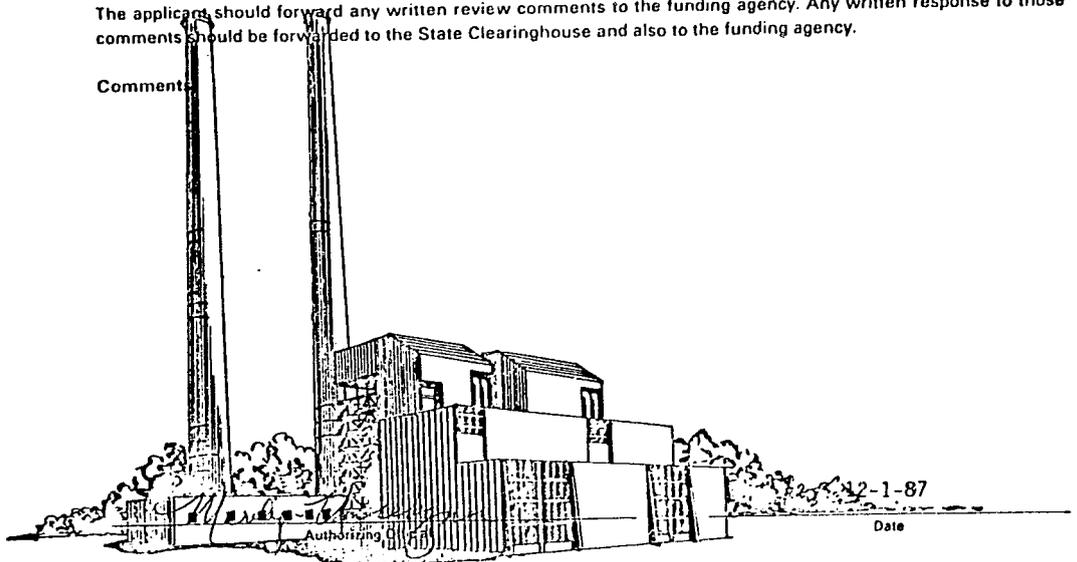
Title:

APPLICATION FOR PERMIT TO DRILL

- No comment
- See comments below
- No action taken because of insufficient information
- Please send your formal application to us for review. Your attendance is requested

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments



12-1-87

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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  
**TEB, Inc.**      (316) 637-2340

3. ADDRESS OF OPERATOR  
**Route 1, Box 82, Toronto, Kansas 66777**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
**1980' FSL & 1980' FWL (NESW)**  
 At proposed prod. zone  
**Same**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**21 air miles WSW of Blanding, Utah**

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)  
**1,980'**

16. NO. OF ACRES IN LEASE  
**2,353**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
**1,320'**

19. PROPOSED DEPTH  
**3,350'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATION (Show whether DF, RT, GR, etc.)  
**6,666' ungraded ground**

22. APPROX. DATE WORK WILL START\*  
**Jan. 20, 1988**

5. LEASE DESIGNATION AND SERIAL NO.  
**U-62178**

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

7. UNIT AGREEMENT NAME  
**N/A**

8. FARM OR LEASE NAME  
**Cyclone Flat**

9. WELL NO.  
**#2**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
**30-37s-19e S10M**

12. COUNTY OR PARISH  
**San Juan**

18. STATE  
**Ut.**

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT   | SETTING DEPTH | QUANTITY OF CEMENT   |
|--------------|----------------|-------------------|---------------|----------------------|
| 12-1/4"      | 9-5/8"         | 52.3* (H-40 ST&C) | 500'          | 300 SK or to surface |
| 8-3/4"       | 5-1/2"         | 15.5* (J-55 ST&C) | 3,350'        | 925 SK or to surface |

**TIGHT HOLE. PLEASE KEEP CONFIDENTIAL.**

Well was previously approved (43-037-31363) and built in November, 1987, but was not drilled. Now wish to change plans. TD will increase from 2,700' to 3,350'. See 8 Point Drilling Program for details. No change in surface use program or location.

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

24. SIGNED *Risa Reed* TITLE Consultant DATE 1-10-88

(This space for Federal or State office use)

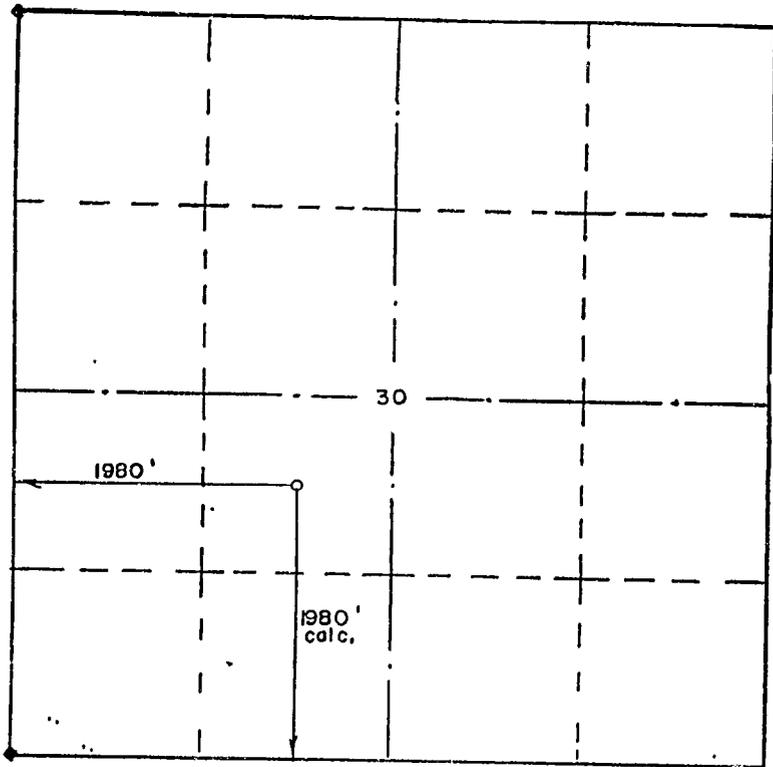
PERMIT NO. \_\_\_\_\_ APPROVAL DATE APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 1-20-88

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT



1"=1000  
 ◆ brass cap

WELL LOCATION DESCRIPTION  
 TEB, Inc. Cyclone Flat #2  
 1980' FSL & 1980' FWL  
 Section 30, T. 37 S., R. 19 E., S. 14 W.  
 San Juan County, Utah  
 6666' ground elevation

The above plat is true and correct to my knowledge and belief.

22 October 1987

Gerald H. Huddleston, LS

T. E. BIRD  
ROUTE 1, BOX 62  
TORONTO KANSAS 66777  
—  
316 637-2340

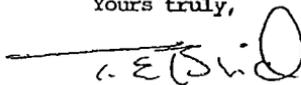
1255/10/21/87

Re: APDs

TO WHOM IT MAY CONCERN:

This letter authorizes Mr. Brian Wood, Permits  
West, Inc., Santa Fe, New Mexico, to sign APDs on  
behalf of TEB, Inc.

Yours truly,

A handwritten signature in black ink, appearing to read "T. E. Bird". The signature is written in a cursive style with a long horizontal line extending to the left.

T. E. Bird, President  
TEB, Inc.

TEB:mb

TEB, Inc.  
Cyclone Flat #2  
1980' FSL & 1980' FWL  
Sec. 30, T. 37 S., R. 19 E.  
San Juan County, Utah

PAGE 1

CONFIDENTIAL INFORMATION

All lease operations will be conducted in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order #1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. TEB, Inc. will furnish a copy of these conditions to its field representative to assure compliance.

### 8 Point Drilling Program

#### 1. ESTIMATED FORMATION TOPS

| <u>Formation Name</u> | <u>Depth from GL*</u> | <u>Depth from KB</u> | <u>Subsea Depth</u> |
|-----------------------|-----------------------|----------------------|---------------------|
| Cedar Mesa Ss         | 000'                  | 12'                  | +6,666'             |
| Elephant Canyon       | 840'                  | 852'                 | +5,826'             |
| Halgaito Shale        | 1,060'                | 1,072'               | +5,606'             |
| Honaker Trail         | 1,296'                | 1,308'               | +5,370'             |
| Hermosa               | 1,460'                | 1,472'               | +5,206'             |
| Upper Ismay           | 2,395'                | 2,407'               | +4,271'             |
| Lower Ismay           | 2,495'                | 2,507'               | +4,171'             |
| Desert Creek          | 2,620'                | 2,632'               | +4,046'             |
| P-40 Shale            | 2,675'                | 2,687'               | +3,991'             |
| Salt Cycle 6          | 2,742'                | 2,754'               | +3,924'             |
| Salt Cycle 7          | 2,827'                | 2,839'               | +3,839'             |
| Salt Cycle 9          | 2,906'                | 2,918'               | +3,760'             |
| Salt Cycle 13         | 3,108'                | 3,120'               | +3,558'             |
| Pinkerton Trail       | 3,312'                | 3,324'               | +3,354'             |
| Total Depth (TD)      | 3,350'                | 3,362'               | +3,316'             |

\* ungraded GL

#### 2. NOTABLE ZONES

**TEB, Inc.**  
**Cyclone Flat #2**  
**1980' FSL & 1980' FWL**  
**Sec. 30, T. 37 S., R. 19 E.**  
**San Juan County, Utah**

**PAGE 2**

**CONFIDENTIAL INFORMATION**

The estimated formation top depths from ungraded GL at which water, oil, gas, or other mineral bearing zones are expected to be encountered are:

| <u>Possible Fresh Water Zone</u> | <u>Possible Salt Water Zones</u> | <u>Possible Oil &amp; Gas Zones</u> |
|----------------------------------|----------------------------------|-------------------------------------|
| Cedar Mesa: 000'                 | Upper Ismay: 2,395'              | Upper Ismay: 2,395'                 |
|                                  | Lower Ismay: 2,495'              | Lower Ismay: 2,495'                 |
|                                  | Desert Creek: 2,620'             | Desert Creek: 2,620'                |
|                                  | Salt Cycles: 2,742'              | Pinkerton Tr'l.: 3,312'             |

Water bearing zones will be protected with weighted mud. All fresh water encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

**3. PRESSURE CONTROL** (Also see "5." on PAGE 4)

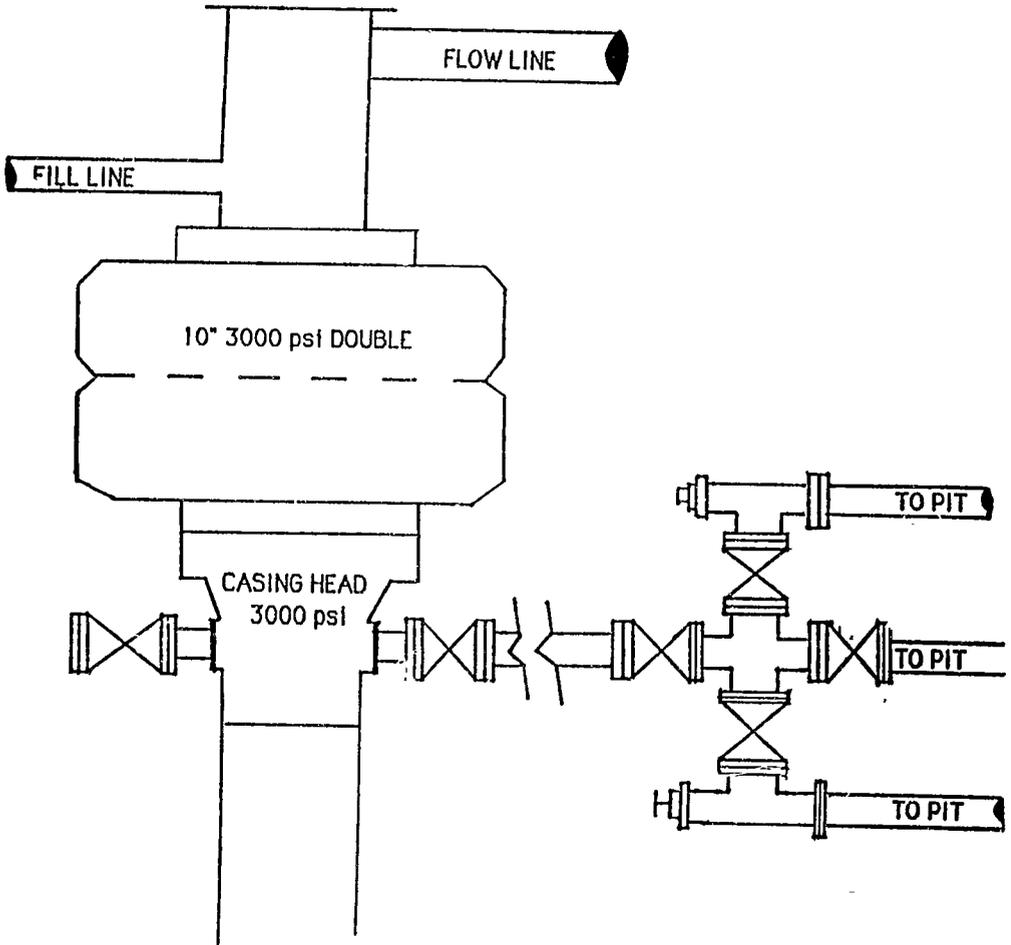
BOP systems will be consistent with API RP 53. A 10" x 3,000 psi double ram and annular preventer with a 3,000 psi choke manifold will be used. A diagram of a typical BOP is on Page 3. Actual model will not be known until bid is let.

Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. Preventers will be pressure tested before drilling casing cement plugs. All BOP mechanical and pressure tests will be recorded on the drillers log.

BOPs will be inspected and operated at least daily to assure good mechanical working order. This inspection will be recorded on the daily drilling report.

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BLOWOUT PREVENTER

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#### 4 CASING & CEMENTING

| <u>Hole Size</u> | <u>OD</u> | <u>Weight</u> | <u>Grade</u> | <u>Type</u> | <u>Age</u> | <u>Setting Depth (GL)</u> |
|------------------|-----------|---------------|--------------|-------------|------------|---------------------------|
| 12-1/4"          | 9-5/8"    | 32.3*         | H-40         | ST&C        | New        | 0'-500'                   |
| 8-3/4"           | 5-1/2"    | 15.5*         | J-55         | ST&C        | New        | 0'-3,350'                 |

Surface Casing (0'-500') Cement to surface with 300 sx (100% excess) Class B cement with 2% CaCl<sub>2</sub> and 1/4 lb/sk Flocele

Production Casing (0'-3,350') Cement to surface with 925 sx Class H 50/50 Poz with 2% total gel and 5 lb/sk Cal-seal with 18% salt

The San Juan Resource Area will be notified one day before running casing strings and cement. Six centralizers and 10 scratchers will also be used.

#### 5 MUD PROGRAM

| <u>Depth</u>  | <u>Type</u>                 | <u>Weight (ppg)</u> | <u>Viscosity (sec/qt)</u> | <u>FL(cc)</u> |
|---------------|-----------------------------|---------------------|---------------------------|---------------|
| 0'-500'       | Spud Mud w/ Agua Gel & lime | 9.0                 | 45                        | NL            |
| 500'-2,740'   | Fr. Water w/ EZ Mud & lime  | 9.4                 | 28-45                     | 0-15          |
| 2,740'-3,350' | Brine w/ Veogel & starch    | 10.6                | 36-45                     | 10            |

Lost circulation material (walnut shells, cedar bark, etc) will be on location. An oxygen scavenger (ammonium bisulfite) will be used below 2,740'.

#### 6 CORING, TESTING, & LOGGING

No cores are planned. Drill stem tests may be run in the Ismay, Desert Creek, and elsewhere if good shows are found. The following logs may be run.

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GR: Total Depth to Surface  
FDC/CNL/DLL/BHC: Total Depth to 500'

Whether the well is completed as a dry hole or producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well, or after completion of operations being performed, *per* 43 CFR 3164. Two copies of all logs, core descriptions & analyses, well test data, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. (If requested, sample cuttings, fluids, and/or gases will be submitted to the District Manager.)

#### 7. DOWNHOLE CONDITIONS

The maximum anticipated bottom hole pressure is 2,200 psi. No abnormal pressures or temperatures are expected. Hydrogen sulfide may be found upon drilling below 2,700'. A hydrogen sulfide contingency plan has been prepared and is attached at the end. It will be implemented at 2,500'.

#### 8. MISCELLANEOUS

The anticipated spud date is January 20, 1988. It is expected it will take 10 days to drill the well and 10 days to complete the well.

BLM may inspect or witness the following:

- 1) BOP tests or cementing and testing surface casing
- 2) Setting and testing surface casing shoe plug on a dry hole
- 3) Setting and testing of plugs across a producing horizon, and if applicable, the surface casing shoe plug and/or annulus squeeze jobs on a depleted producer.

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No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be phoned to the Resource Area, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5), reporting the spud date and time, will be sent to the District Manager within 24 hours after spudding. If the spud is on a weekend or holiday, the Sundry will be sent on the following regular work day.

Starting with the month in which operations begin, and continuing each month until the well is physically plugged and abandoned, a "Monthly Report of Operations" (Form 3160-6) will be sent to the District Manager.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual events will be promptly reported to the Resource Area per NTL-JA.

A Sundry Notice will be filed for prior approval of the District Manager if a replacement rig is planned for completion. All conditions of this approved plan apply to all operations of the replacement rig. In emergencies, verbal approval can be given by the District Manager.

If the well is successfully completed for production, then the District Manager will be notified. Written notification will be sent not later than 5 business days following the date on which the well is placed on production. *The Resource Area will schedule a first production conference within 15 days after receipt of the first production notice.*

Approval to vent/flare gas during initial well evaluation will be obtained from the District Manager. This preliminary approval will not exceed 30

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days or 50 MMcf of gas. Approval to vent/flare beyond this initial period will require the District Manager's approval *per* hTL-4A.

No well abandonment operations will begin without the prior approval of the District Manager. With a newly drilled dry hole, failure, or emergency, oral approval will be obtained from the District Manager. A Sundry Notice will be sent to the District Manager within 30 days following completion of the well for abandonment. The Sundry will note where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until reclamation required by the approved APD or abandonment notice has been completed to the satisfaction of the Area Manager.

Once plugged, a regulation dry hole marker will be erected. The following information will be beaded on with a welding torch: TEB, Inc., Cyclone Flat #2, NESW 30-37s-19e, U-62178.

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### 1.3 Point Surface Use Plan

#### 1. EXISTING ROADS (See PAGES 16-17)

From the junction of U-95 and US 191 (*aka*, Shirttail Corner) south of Blanding, Utah, go west 25.3 mi on U-95  
Then turn left and go southwest 2.0 mi on a dirt road.  
Then turn right and go 250 yards west to the well pad on a new road.

Existing roads are state and BLM Roads will be maintained to a standard at least equal to their present condition. Only upgrading will be 100 yards of flat blading to remove ruts in SE Sec. 18 and NE Sec. 19. Maximum disturbed width will not exceed 30'.

An Encroachment Permit has been filed with the San Juan County Road Department for part of the water haul route.

#### 2. NEW ROADS (See PAGE 17)

There will be 250 yards of new road. It will be flat bladed with a maximum disturbed width not to exceed 30'. There will be no turnouts or fence crossings. Maximum cut or fill will be 3'. Maximum grade will be 5%.

Surface disturbance and vehicle travel will be limited to the approved location and road. Any additional area needed will be approved in advance by the Area Manager. If access is used during wet winter weather, road surfacing may be required.

The access will be water barred or brought to Class 3 Road Standards within 60 days of dismantling the drill rig. If this deadline cannot be met, the Resource Area will be notified so temporary drainage control can be

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installed. Class 3 Road Standards control drainage through the use of topography, ditch turnouts, dips, outsloping, crowning, low water crossings, and culverts. Specific measures will be determined at a joint TEB-BLM field inspection.

### 3. EXISTING WELLS

There are no water, producing, injection, or disposal wells within 1 mile. TEB does plan to drill 4 other wells within a one mile radius, they are:

Cyclone Flat #1 is 1,320' away at 660' FSL & 1980' FWL 30-37s-19e  
Cyclone Flat #3 is 1,511' away at 1790' FNL & 2020' FWL 30-37s-19e  
Cyclone Flat #4 is 2,640' away at 660' FNL & 1950' FWL 30-37s-19e  
Cyclone Flat #5 is 3,960' away at 660' FSL & 1980' FWL 19-37s-19e

### 4. PROPOSED PRODUCTION FACILITIES

The type and layout of the production facilities are not known now. An on-site will be held and a Sundry Notice will be submitted for approval before they are installed.

All permanent (on site for 6 or more months) surface facilities will be painted a flat, neutral, earthtone color. Painting will be completed within 6 months of installation. Parts required to comply with OSHA colors will be excluded. Specific color will be determined by BLM after an on-site.

The tank battery will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank in the battery. All loading lines will be placed inside the dike.

All site security guidelines in 43 CFR 3162.7 will be obeyed. All product

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lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease must have prior written approval from the District Manager.

Any gas meter run will be within 500' of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500' downstream of the meter and any production facilities. Meters will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well pad. Meters will be calibrated in place before delivery begins. Meter accuracy tests will be conducted monthly for the first 3 months on new meters, and at least quarterly thereafter. The Resource Area will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be sent to the Resource Area. All meters will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

#### 5. WATER SUPPLY (See PAGE 16)

Water will be trucked 12.4 mi from Comb Wash on BLM administered land in NE Sec 13, T 38 S, R 20 E. An Application to Appropriate Water has been filed with the State of Utah Div of Water Rights. This is casual use.

#### 6. CONSTRUCTION MATERIALS

Pad construction materials are native *in situ* soils on lease. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

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## 7. WASTE DISPOSAL

The reserve pit will not be lined Half of the capacity will be in cut

The pit will be fenced on 3 sides with 4 strands of barbed wire or woven wire topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries.

All trash will be placed in a burn pit It will be built near the mud tanks and dug at least 6' into cut. It will be totally enclosed with a fine wire mesh before the rig moves in A burning permit is required for burning trash between May 1 and October 31. A burning permit can be obtained by calling the San Juan County Sheriff at (801) 587-2237. The road and pad will be kept litter free

Human waste will be disposed of in 20' deep ratholes or chemical toilets. The ratholes will be immediately filled when the trailers are removed.

Produced water will be confined to the reserve pit for a period not to exceed 90 days after initial production During the 90 day period, an NTL-2B application will be submitted for the District Manager's approval of a permanent disposal method and site

## 8. ANCILLARY FACILITIES

There will be no airstrip or formal camp Three camper trailers may be on site for the company man, mud logger, and tool pusher.

## 9. WELL SITE LAYOUT

See PAGES 18-20 for depictions of the well pad, cross sections, cut and

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fill diagrams, reserve pit, burn pit, access road onto the pad, parking, living facilities, soil stockpile, and rig orientation.

The top 8" of soil will be removed from the location and stockpiled southeast of the pad.

#### 10. RECLAMATION

Immediately upon completion of drilling, all trash and debris will be collected from the pad and surrounding area and placed in the burn pit.

TEB's dirt contractor will call the Resource Area 48 hours before starting reclamation that involves earth moving equipment, and upon completion of reclamation. The reserve pit must be completely dry before it is backfilled.

All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts. It also includes backfilling the pond built in Comb Wash.

The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12" deep with the contour.

Seed will be broadcast between October 1 and February 28 with the following mixture. A harrow or similar implement will be dragged over the area to assure seed cover.

| <u>Species</u>                                     | <u>Rate (pounds/acre)</u> |
|--|---------------------------|
| Crested wheatgrass ( <i>Agropyron desertorum</i> ) | 10                        |

After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed area. The new access will be blocked to prevent vehicle

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access

The reserve pit and that part of the pad not needed for production will be reclaimed as previously described. Enough topsoil will be kept to reclaim the remainder of the pad at a future date. The remaining topsoil storage pile will be seeded in place using the prescribed seed mix.

#### 11. SURFACE OWNER

The surface owner of the pad and access road is the U.S. Government.

#### 12. OTHER INFORMATION

The dirt contractor will be provided with an approved copy of the surface use plan

There will be no change from the proposed drilling and/or workover plan without prior approval from the District Manager. A Sundry Notice will be filed for approval for all changes of plans and other operations *per* 43 CFR 3164.

Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified *per* 43 CFR 3162.2

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the Resource Area will be called. All people who are in the area will be informed by TEB that they are subject to prosecution for disturbing archaeological sites or picking up artifacts, including arrowheads

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This permit will be valid for one year from the date of approval. After it expires, a new application will be filed for approval of any future operations.

The District Office's mailing address is P.O. Box 970, Moab, Utah 84532. The phone number is (801) 259-6111 Ask for Steve Jones.

The Resource Area's mailing address is P.O. Box 7, Monticello, Utah 84535. The phone number is (801) 587-2141 Ask for Rich McClure for surface problems. Ask for Mike Wade for subsurface problems.

The nearest hospital is a 70 minute drive to Monticello, Utah. It is 3 blocks northwest of the intersection of US 666 and US 191. Phone number is (801) 587-2116. The nearest medically equipped helicopter is in Grand Junction, Colorado, at St. Mary's Hospital Call (303) 244-2550.

### 13. REPRESENTATION AND CERTIFICATION

Anyone having questions concerning the APD should contact:

Brian Wood  
Permits West, Inc.  
37 Verano Loop  
Santa Fe, NM 87505  
(505) 984-8120

The field representative for TEB, Inc will be

Tom Bird  
TEB, Inc.  
Rt. 1, Box 82  
Toronto, Ks. 66777  
(316) 637-2340

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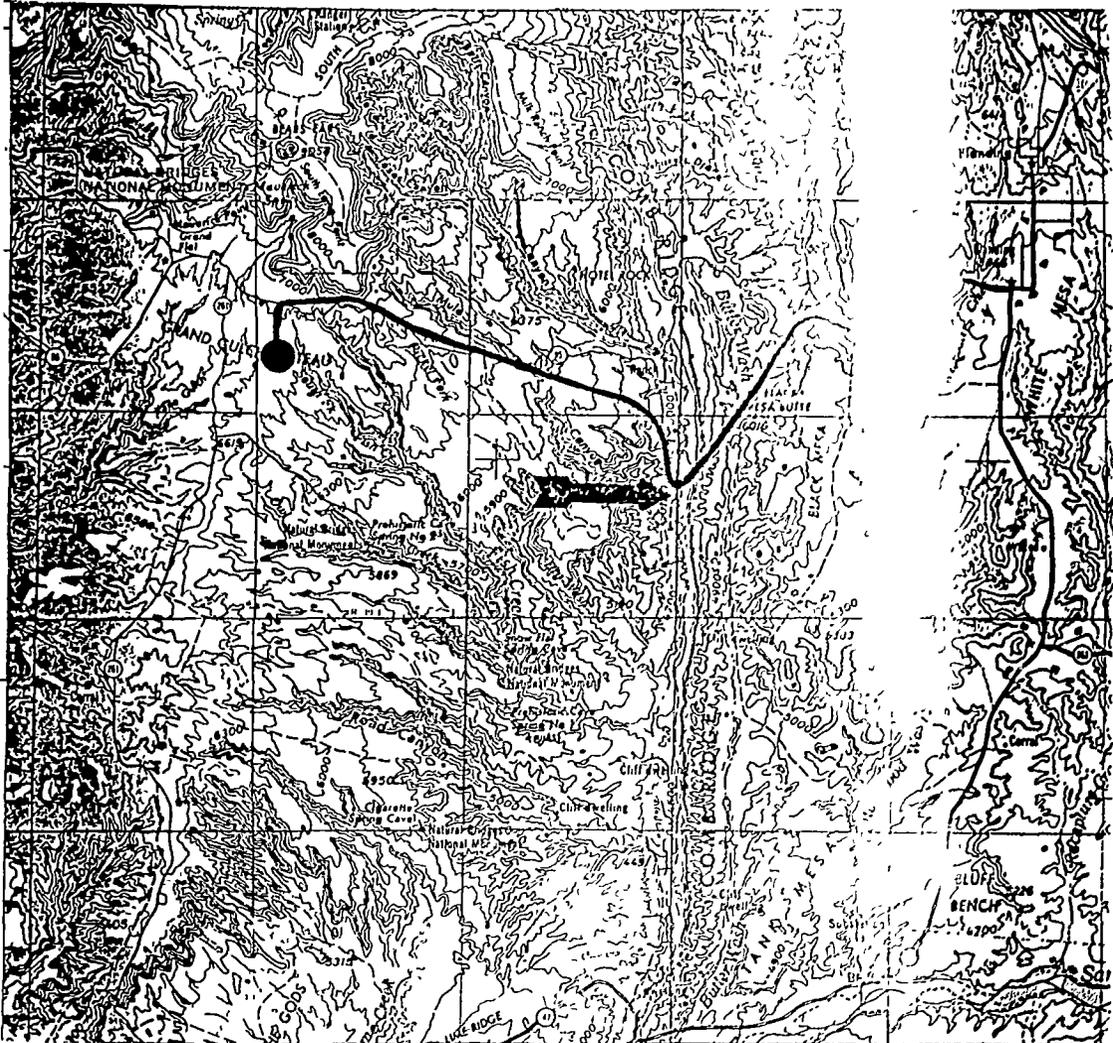
CERTIFICATION

I hereby certify that I have inspected the proposed drill site and access route, that I am familiar with the conditions which currently exist, that the statements made in this plan are, to the best of my knowledge, true and correct and that the work associated with operations proposed here in will be performed by TEB, Inc and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved This statement is subject to the provisions of 18 USC 1001 for the filing of a false statement

  
\_\_\_\_\_  
Brian Wood

1-10-88  
\_\_\_\_\_  
Date

TEB, Inc.  
Cyclone Flat #2  
1980' FSL & 1980' FWL  
Sec. 30, T. 37 S., R. 19 E.  
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Cyclone Flat #2 Well ●

Access ~

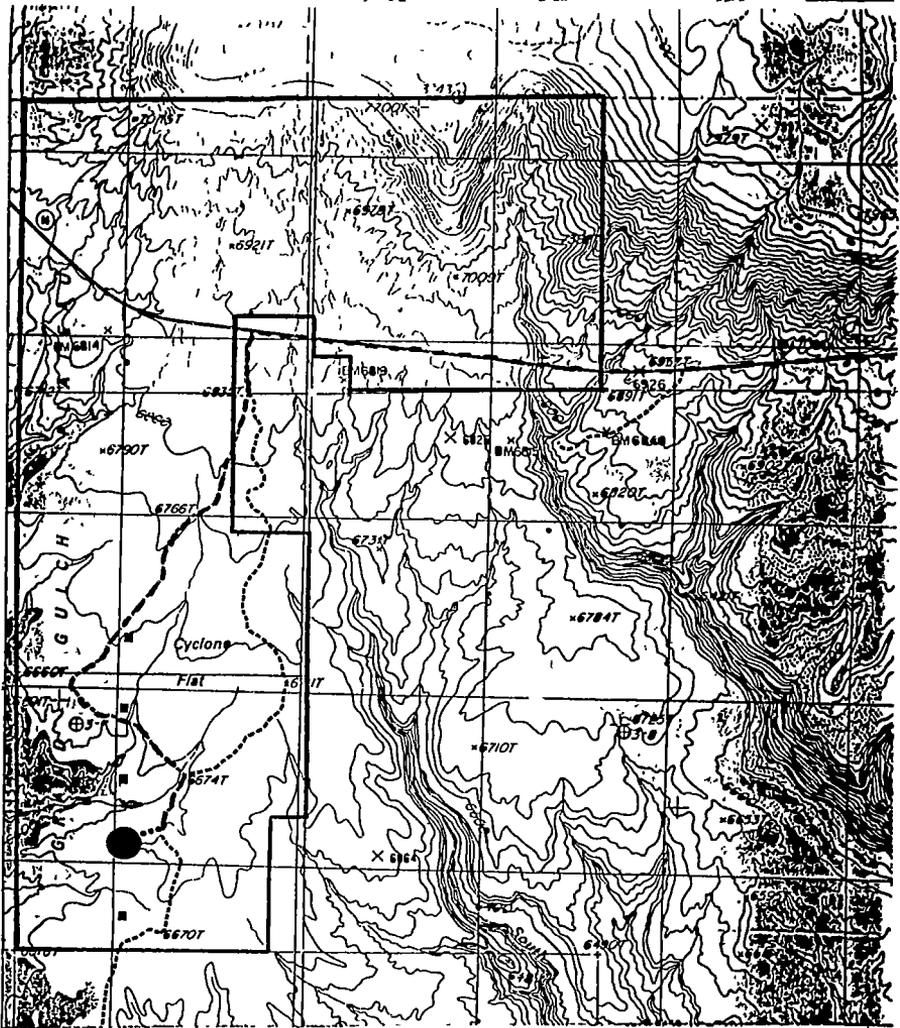
Water Source: 

Cyclone Flat #2

1980' FSL & 1980' FWL

Sec. 30, T. 37 S., R. 19 E.

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Cyclone Flat #2 Well: ●

Lease U-62178: 

Existing Access: - - -

New Access: . . .



WELL PAD CROSS-SECTION

Cyclone Flat #2

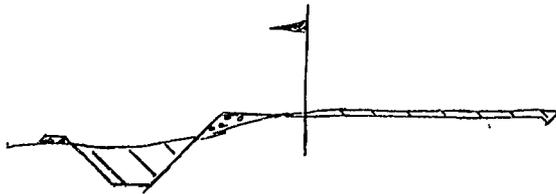
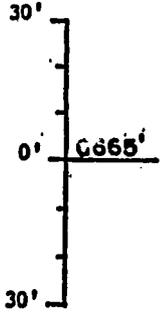
Cut   
Fill 

Scales: 1" = 60' H.  
1" = 30' V.



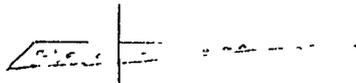
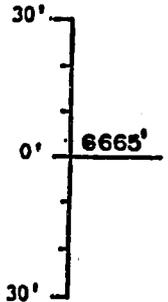
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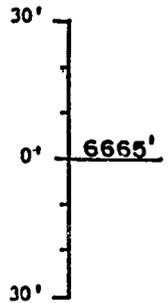
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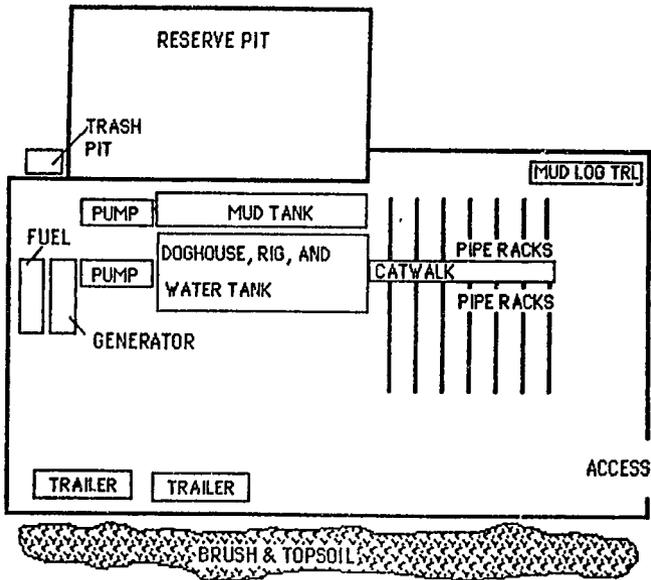
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# STANDBY SAFETY SERVICES, INC.

P O Box 1407 • Cortez, CO 81321 • (303) 565-6391

## H2S CONTINGENCY PLAN

DATE: 1/8/88

WELL NAME: Cyclone Flat #2 T.D. 3350

LOCATION: 1980' FSL & 1980' FWL Sec. 30, T.37S, Range 19E

San Juan County, Utah

FIELD NAME: Cyclone Flat

H2S FORMATION: Salt Cycles DEPTH: 2,742'

CONTRACTOR:

Unknown RIG NAME: \_\_\_\_\_ RIG PHONE: \_\_\_\_\_

DRILLING SUPERINTENDENTS:

Unknown MOBILE PHONE: \_\_\_\_\_ HOME PHONE: \_\_\_\_\_

\_\_\_\_\_ MOBILE PHONE: \_\_\_\_\_ HOME PHONE: \_\_\_\_\_

OPERATIONS SUPERINTENDENT:

Tom Bird OFFICE PHONE: (316)637-2340 HOME PHONE: \_\_\_\_\_

DRILLING ENGINEER:

John Norris OFFICE PHONE: (303) 468-5418 HOME PHONE: \_\_\_\_\_

GEOLOGIST:

Unknown OFFICE PHONE: \_\_\_\_\_ HOME PHONE: \_\_\_\_\_

- I. Introduction. H<sub>2</sub>S is a toxic, poisonous gas that could cause death or injury. The objective of this contingency plan is to provide an organized plan of action for alerting and protecting the public from H<sub>2</sub>S exposure in the event a potentially hazardous volume is accidentally released to the atmosphere. This plan should be activated immediately if any such release occurs. The Drilling Superintendent is responsible for initiating and carrying out the plan.
- II. Individual Responsibilities. It is the responsibility of all personnel on the location to familiarize themselves with the procedures outlined in this contingency plan.
  - A. All personnel:
    1. Responsible for his assigned safety equipment.
    2. Responsible for familiarizing himself with the location of all safety equipment.
    3. Responsible for reporting any indications of H<sub>2</sub>S to those in the area and to a supervisor.
  - B. Drilling Superintendent:
    1. Responsible for thoroughly understanding and seeing that all aspects of this contingency plan are enforced.
    2. Responsible for implementing all phases of this contingency plan.
    3. Responsible for keeping a minimum of personnel on the location during expected hazardous operations.
    4. Responsible for coordinating all wellsite operations and communications in the event that an emergency condition develops.
    5. Responsible for ensuring that all visitors receive an H<sub>2</sub>S safety orientation. A visitor's log will be maintained as well as a list of all personnel on the location after drilling has progressed to the suspected H<sub>2</sub>S formation.
    6. Responsible for notifying the drilling office, public safety personnel, regulatory agencies, and the general public of the existence and location of an H<sub>2</sub>S release.
- III. Location Layout
  - A. The location of at least two pre-determined safe areas to assemble at in the event of an emergency. These locations should be located 180° to one another, and in the direction of the prevailing winds

The pre-determined safe areas for this well are:

Area #1: Safety Trailer

Area #2: 180° from area #1

- B. The location and type of all H2S detectors. One located at the bell nipple, one located at the shale shaker, and a third one on the rig floor. Indicate here any other additional H2S detector locations for this well:

TYPE: Gastec LOCATION: \_\_\_\_\_

Gastec Hand Detector Safety Trailer

Gastec Hand Detector Dog House

- C. The location and type of all air masks. Self-contained breathing apparatus for use by rig personnel for this well will be kept in the following locations:

TYPE: Escape Units LOCATION: Rig Floor

work units Safety Trailer

Rescue Units Area #1 and Area #2

If a cascade system is utilized, indicate the location(s)

TYPE: 10-300 cu ft cylinder LOCATION: Safety Trailer

system

- D. The location of wind socks or streamers. The wind direction indicators for this well will be located at

TYPE: Wind sock LOCATION: Safety Trailer

Wind sock Mud Pits

- E. The location of any other safety equipment used, such as flare guns or buy blowers:

TYPE: Flare Gun LOCATION: Safety Trailer

- F. The location of all telephones and /or means of communications. The communications for this well will be located at:

TYPE: Unknown LOCATION: \_\_\_\_\_

---

G. Warning Signs:

1. "NO SMOKING" signs should be strategically located around the rig and rig location. The following locations are appropriate.
  - a. Doghouse
  - b. Rig floor
  - c. Substructure
  - d. lower landing of all stairs leading to rig floor
  - e. Mud pits
  - f. Shale shaker
2. "POISON GAS" signs should also be placed at strategic points on the locations. The following locations are appropriate.
  - a. All entrances leading to the location.
  - b. Lower landing of all stairs leading to rig floor.
  - c. All areas around substructure, including mud pits and shale shaker.
  - d. Various points along the perimeter of the radius of exposure.

NOTE: All warning signs should be black and yellow in color and of readable size at a reasonable distance.

IV. Operating Procedures. The following operating procedures will be utilized for drilling in areas with H<sub>2</sub>S.

- A. Plan of operation for handling gas kicks and other drilling problems. Any gas kick will be controlled by using approved well control techniques. Upon evidence that ambient H<sub>2</sub>S concentrations have reached 20 ppm, all non-essential personnel will be evacuated to pre-designated safe areas. Personnel remaining on the rig floor will continue to control the well as the situation dictates until the area is safe to re-enter.

B. Proposed mud program.

| DEPTH<br>INTERVAL<br>(ft) | TYPE  | (ppg)<br>WEIGHT | FUNNEL<br>VISC.<br>(sec/Qt) | MEAS. AT 120°F |                   | (cc)  | SOLIDS<br>(%) | pH    | Cl-<br>(ppm) |
|---------------------------|-------|-----------------|-----------------------------|----------------|-------------------|-------|---------------|-------|--------------|
|                           |       |                 |                             | PV<br>(cp)     | YP<br>(lb/100ft2) |       |               |       |              |
| _____                     | _____ | _____           | _____                       | _____          | _____             | _____ | _____         | _____ | _____        |
| _____                     | _____ | _____           | (UNKNOWN)                   | _____          | _____             | _____ | _____         | _____ | _____        |
| _____                     | _____ | _____           | _____                       | _____          | _____             | _____ | _____         | _____ | _____        |
| _____                     | _____ | _____           | _____                       | _____          | _____             | _____ | _____         | _____ | _____        |

Note: If necessary, approved H2S scavengers may be used.

C. Special Operations

1. Drill Stem Tests. All drill stem tests must be closed chamber and conducted during daylight hours.
2. Coring. After a core has been cut, circulate bottoms up and monitor for H2S. If hole conditions (and/or detectors) indicate potentially hazardous conditions, put breathing equipment on 10 stands before core barrel reaches the surface. Breathing equipment will be worn by all personnel while core barrel is pulled, broken out, and opened up, and until a safe atmosphere is indicated.

V. Operating conditions. Operating conditions are defined in three categories. A description of each of these conditions and the required action to take are given below.

A. CONDITION I - NORMAL OPERATING CONDITIONS, POTENTIAL DANGER, OPERATIONS UNDER CONTROL

Characterized by: Normal drilling operations and test operations in zones which contain or may contain H2S.

Warning flag: Yellow

ALARM: None

Probable occurrence; No detectable gas present at surface.

- General action:
- (1) Know location of safety equipment.
  - (2) Check safety equipment for proper functioning. Keep it available.
  - (3) Be alert for a condition change
  - (4) Follow instructions of supervisor.

B. CONDITION II - POTENTIAL TO MODERATE DANGER TO LIFE

Characterized by: H<sub>2</sub>S gas present. Concentrations less than 20 ppm.

Warning flag: Orange

Alarm: Flashing light at 10 ppm H<sub>2</sub>S. Intermittent blasts on horn, at 20 ppm H<sub>2</sub>S.

Probable occurrence:

- (1) As drill gas
- (2) As trip gas when circulating bottoms up.
- (3) When a core barrel is pulled.
- (4) When a well kick is circulated out
- (5) Surface pressure, well flow or lost returns problems.
- (6) Equipment failure during testing operations.

General action:

- (1) Follow instructions of supervisor
- (2) Put on breathing equipment if directed, or if conditions warrant it.
- (3) Stay in "SAFE BRIEFING AREA" if instructed and not working to correct the problem.
- (4) The Drilling Superintendent will initiate action to reduce the H<sub>2</sub>S concentration to zero.

C. CONDITION III - MODERATE TO EXTREME DANGER TO LIFE

Characterized by: H<sub>2</sub>S present in concentrations at or above 20 ppm. Critical well operations or well control problems. In the extreme, loss of well control.

Warning flag: Red

Alarm: Flashing light and continuous blast on horn at 20 ppm H<sub>2</sub>S

Probable occurrence:

- (1) As drill gas
- (2) As trip gas when circulating bottoms up.

- (3) When a core barrel is pulled
- (4) When a well kick is circulated out
- (5) Surface pressure, well flow or lost returns problems.
- (6) Equipment failure during testing operations

**General action:**

- (1) Put on breathing equipment. Move to "SAFE BRIEFING AREA" and remain there if not working to correct or control problems.
- (2) Follow instructions of Drilling Superintendent or other supervisor.
- (3) The Drilling Superintendent will initiate emergency action as provided in the contingency plan and as appropriate to the actual conditions. If testing operations are in progress, well will be shut-in.
- (4) The Drilling Superintendent will conduct any necessary operations with an absolute minimum of personnel. All persons in the immediate area will wear a breathing apparatus. All other personnel will restrict their movements to those directed by the Superintendent.
- 5) If gas containing hydrogen sulfide is ignited, the burning hydrogen sulfide will be converted to sulfur dioxide which is poisonous.

**VI. Emergency Procedures** The procedures listed below apply to drilling and testing operations.

- A. If at any time during Condition I, the mud logger, mud engineer, or any other person detects H<sub>2</sub>S, he will notify the Drilling Superintendent. All personnel should keep alert to the Drilling Superintendent's orders. He will:
  - 1. Immediately begin to ascertain the cause or the source of the H<sub>2</sub>S and take steps to reduce the H<sub>2</sub>S concentration to zero. This should include having the mud engineer run a sulfide and pH determination on the flowline mud if water-base mud is in use. If an oil-base mud is in use, the mud engineer should check the lime content of the mud.

2. Order non-essential personnel out of the potential danger area.
  3. Order all personnel to check their safety equipment to see that it is working properly and in the proper location. Persons without breathing equipment will not be allowed to work in a hazard area.
  4. Notify the Contract Supervisor of condition and action taken.
  5. Increase gas monitoring activities (portable H<sub>2</sub>S detectors) and continue operations with caution.
  6. Display the orange warning flag.
- B. If the H<sub>2</sub>S concentration exceeds 20 ppm, the following steps will be taken.:
1. Put on breathing equipment
  2. Display red flag
  3. Driller - prepare to shut the well in.
    - a. Pick up pipe to get kelly out BOP's
    - b. Close BOP's if necessary.
  4. If testing operations are in progress, the well will be shut-in.
  5. Help anyone who may be affected by gas.
  6. Evacuate quickly to the "SAFE BRIEFING AREA" if instructed or conditions warrant.
- C. In the event a potentially hazardous volume of H<sub>2</sub>S is released to the atmosphere, the following steps must be taken to alert the public:
1. Remove all rig personnel from the danger area and assemble at a pre-determined safe area, preferably upwind from the well site.
  2. Alert the drilling office, public safety personnel, regulatory agencies, and the general public of the existence and location of an H<sub>2</sub>S release. See List of Emergency Telephone Numbers.
  3. Assign personnel to block any public road (and access road to location) at the boundary of the area of exposure. Any unauthorized people within the area should be informed

that an emergency exists and be ordered to leave immediately.

4. Request assistance from public safety personnel to control traffic and/or evacuate people from the threatened area.

VII. Training Program. All personnel associated with the drilling operations will receive training to insure efficient and correct action in all situations. This training will be in the general areas of: (1) personnel safety, (2) rig operations, and (3) well control procedures.

A. Personnel Safety Training. All personnel shall have received H<sub>2</sub>S training in the following areas;

1. Hazards and characteristics of H<sub>2</sub>S.
2. Effect on metal components of the system.
3. Safety precautions.
4. Operation of safety equipment and life support systems.
5. Corrective action and shutdown procedures.

B. Rig Operations. All rig personnel shall have received training in the following areas:

1. Well control procedures.
2. Layout and operations of the well control equipment.

NOTE: Proficiency will be developed through BOP drills which will be documented by the Drilling Superintendent.

C. Service Company Personnel. All service personnel shall have been trained by their employers in the hazards and characteristics of H<sub>2</sub>S and the operation of safety equipment and life support systems.

D. Visitors. All first time visitors to the location will be required to attend a safety orientation. The Drilling Superintendent shall be responsible for this orientation, and he shall see that every visitor is logged in correctly.

E. Public. The public within the area of exposure shall be given an advance briefing by the Drilling Superintendent. This briefing must include the following elements:

1. Hazards and characteristics of hydrogen sulfide. It is an extremely dangerous gas. It is normally detectable by its "rotten-egg" odor, but odor is not a reliable

means of detection because the sense of smell may be dulled or lost due to intake of the gas. It is colorless, transparent, and flammable. It is heavier than air and may accumulate in low places.

2. The necessity of an emergency action plan. Due to the danger to persons exposed to hydrogen sulfide and the need for expeditious action should an emergency occur, this action plan will be put into effect if and when a leak occurs.
3. The location of hydrogen sulfide within the area of exposure. At the drilling location.
4. The manner in which the public will be notified of an emergency. By telephone or personal contact.
5. Steps to be taken in case of an emergency.
  - a. Abandon danger area.
  - b. Notify necessary agencies and request assistance for controlling traffic and evacuating people.

EMERGENCY PHONE NUMBERS LIST

A. MEDICAL PERSONNEL

1. Ambulance(s): Dispatched by (801) 587-2237  
or (801) 678-2334
2. Hospital (s): Monticello (801) 587-2116  
\_\_\_\_\_
3. Doctors. Nichols & MacNeil  
(801) 678-2254

B. FIREFIGHTING AND PUBLIC SAFETY PERSONNEL

1. Fire department(s) (801) 678-2313
2. Police Department(s). (801) 678-2334  
\_\_\_\_\_
3. County Sheriff: (801) 587-2237
4. State Police: (801) 587-2237

C. GOVERNMENT AGENCIES:

1. County Health Department: (801) 587-2231
2. OSHA (801) 533-6401
3. USGS (801) 259-5495
4. BLM (801) 259-6111 or 259-8193
5. \_\_\_\_\_

D. PERSONNEL

1. Drilling Superintendents Unknown  
\_\_\_\_\_
2. Drilling Office: \_\_\_\_\_
3. Drilling Operations Superintendents: \_\_\_\_\_

EMERGENCY PHONE LIST

PAGE 2

3. Drilling Operations Superintendents  
(continued):

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

4. Division Drilling Manager: \_\_\_\_\_

5. Drilling Engineer: \_\_\_\_\_

E. SERVICE COMPANIES:

1. Pump trucks: Halliburton

Cortez, (303) 565-6521

2. Dirt Contractor(s): Perry McDonald

Cortez, (303) 565-3659

3. Roustabout Crew(s): \_\_\_\_\_

\_\_\_\_\_

4. H2S Service Company: Standby Safety Service, INC.

Cortez, CO (303) 565-6391

5. Others: \_\_\_\_\_

\_\_\_\_\_

NOTE: All entries should be made in the following manner:  
NAME - PHONE - LOCATION

UNIT STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLIC.  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

8. LEASE DESIGNATION AND SERIAL NO.

U-62178

9. IF INDIAN, ALLOTTEE OR TRUST NAME

020411

N/A

7. U.S. AGREEMENT NAME

N/A

6. WELL LEASE NAME

Cyclone Flat

5. WELL NO.

#2

10. WIRE AND POOL, OR WILDCAT

Wildcat

11. SEC., T. R. M., OR B.L.K. AND SURVEY OR AREA

30-37s-19e SLOM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
TEB, Inc.

(316) 637-2381

JAN 27 1988

3. ADDRESS OF OPERATOR  
Route 1, Box 82, Toronto, Kansas 66777

DIVISION OF

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

Surface: 1980' FSL & 1980' FWL (NESW) Bottom: Same

14. PERMIT NO.  
43-057-31363

15. ELEVATIONS (Show whether in ft. or m., etc.)  
6,666' ungraded ground

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"/> | PLUG OR ALTER CASING <input type="checkbox"/>    |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>       |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>                |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANE <input checked="" type="checkbox"/> |
| (Other) <input type="checkbox"/>             |  |

|  |  |
|--|--|
| WATER SHUT-OFF <input type="checkbox"/>        | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREATMENT <input type="checkbox"/>    | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <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.)

Surface casing will change to 8-5/8" 24# J-55 ST&C @ 500'.  
No change in long string.

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

*[Signature]*  
DATE 1-27-88

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

SIGNED

*[Signature]*

TITLE

Consultant

DATE

1-25-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

Federal approval of this action  
is required before commencing  
operations

\*See Instructions on Reverse Side

cc MDO (3), SJRA (1), UDOGM (2)

U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
OIL AND GAS INSPECTION RECCRO

*Confidential*

OPERATOR Teb Corp LEASE \_\_\_\_\_  
WELL NO. Cyclone Flats #2 API 43-037-31343  
*NE/SW* SEC. 30 T. 32S R. 19E CONTRACTOR \_\_\_\_\_  
COUNTY SJT FIELD W/C

DRILLING/COMPLETION/WORKOVER:

APD  WELL SIGN  HOUSEKEEPING  SCOPE  
 SAFETY  POLL. CONTROL  SURFACE USE  PITS  
 OPERATIONS  OTHER

SHUT-IN  / TA \_\_\_\_\_ :  
 WELL SIGN  HOUSEKEEPING  EQUIPMENT\*  SAFETY  
 OTHER

ABANDONED:  
 MARKER  HOUSEKEEPING  REHAB.  OTHER

PRODUCTION:  
 WELL SIGN  HOUSEKEEPING  EQUIPMENT\*  FACILITIES\*  
 METEERING\*  POLL. CONTROL  PITS  DISPOSAL  
 SECURITY  SAFETY  OTHER

GAS DISPOSITION:  
 VENTED/FLARED  SOLD  LEASE USE

LEGEND. Y - YES OR SATISFACTORY  
N - NO OR UNSATISFACTORY  
NA - NOT APPLICABLE

\*FACILITIES INSPECTED. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

REMARKS. Loc Built  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ACTION \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INSPECTOR Minn DATE 7/27/80

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**SUBMIT IN TRIPE  
(Other instructions  
verse side)**

**FE-1**

Form approved,  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen, or to change the location of, a well. Use "APPLICATION FOR PERMIT TO DRILL PROPOSALS.")

|   |   |
|---|---|
| <p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR<br/><b>TEB, Inc. (316) 637-2340</b></p> <p>3. ADDRESS OF OPERATOR<br/><b>Route 1, Box 82, Toronto, Ks. 66777</b></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)<br/>At surface</p> <p><b>Surface: 1980' FSL &amp; 1980' FWL (NES11) Bottom: Same</b></p> <p>14. PERMIT NO.<br/><b>43-037-31363</b></p> <p>15. ELEVATIONS (Indicate depth of top of etc.)<br/><b>6,666' ungraded ground</b></p> | <p>5. LEASE DESIGNATION AND SERIAL NO.<br/><b>U-62178</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br/><b>N/A</b></p> <p>7. UNIT AGREEMENT NAME<br/><b>N/A</b></p> <p>8. FARM OR LEASE NAME<br/><b>Cyclone Flat</b></p> <p>9. WELL NO.<br/><b>#2</b></p> <p>10. FIELD AND POOL, OR WILDCAT<br/><b>Wildcat</b></p> <p>11. SEC., T., R., E., M., OR BLK. AND SUBVY OR ALMA<br/><b>30-37s-19e SLBM</b></p> <p>12. COUNTY OR PARISH 13. STATE<br/><b>San Juan Utah</b></p> |
|---|---|

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

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

**Will change proposed surface casing. Surface casing will be new 7", 20 lb/ft, J-55, ST&C set at 1,100'. Hole size will be 8-1/4".**

**Will change proposed production casing. Production casing will be new 4-1/2", 10 lb/ft, J-55, LT&C set at 2,750'. Hole size will be 6-1/4".**

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

SIGNED *[Signature]* TITLE Consultant DATE 4-27-88

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY: **ACCEPTED BY THE STATE**

**Federal approval of this action is required before commencing operations.**

cc: Bird (3), OIL, GAS, AND MINING (2)

**OIL, GAS, AND MINING**

\*See Instructions on Reverse Side 5-16-88

BY: *[Signature]*

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.  
U-62178

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

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME  
Cyclone Flat

9. WELL NO.  
#2

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND  
SUBSTY OR AREA  
30-37s-19e SLBM

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

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

1. OIL WELL  GAS WELL  **CONFIDENTIAL** MAY 13 1988

2. NAME OF OPERATOR  
TEB, Inc. (316) 637-2340

3. ADDRESS OF OPERATOR  
Route 1, Box 82, Toronto, Ks. 66777 DIVISION OF OIL, GAS & MINING

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

Surface: 1980' FSL @ 1980' FWL (SESUW) Bottom: Same

14. PERMIT NO.  
43-037-31363

15. EXPLANATIONS (Show whether drilled or not, etc.)  
6,666 ungraded ground

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

NOTICE OF INTENTION TO:

- TEST: WATER SHUT-OFF
- FRACURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- (Other)
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- ABANDON\*
- CHANGE PLANE

SUBSEQUENT REPORT OF:

- WATER SHUT-OFF
- FRACURE 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 scores pertinent to this work.)\*

Total depth will be 2,750'.

18. I hereby certify that the foregoing is true and correct  
SIGNED Brian Wood TITLE Consultant DATE 5-12-88

(This space for Federal or State office use)

APPROVED BY 43-037-31363 TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

cc Bird (3), MDO (3), SJRA, UDOGM (2)

\*See Instructions on Reverse Side

|               |     |
|---------------|-----|
| - OIL AND GAS |     |
| DRN           | RJF |
| JRB           | GLH |
| DTG           | SLS |
| FILE          |     |

TEMPORARY

LCR

**FILING FOR WATER IN THE STATE OF UTAH**

RECEIVED JUN 06 1988 JUN 1 1988  
 APPLICATION TO APPROPRIATE WATER RIGHTS PRICE  
 WATER RIGHTS SALT LAKE

Rec. by 30  
 Fee Rec. 30.00  
 Receipt # 24325  
 Microfilmed \_\_\_\_\_  
 Roll # \_\_\_\_\_

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

\* WATER RIGHT NO. 09 - 1578 \* APPLICATION NO. A T63274

1. \* PRIORITY OF RIGHT: June 1, 1988 \* FILING DATE: June 1, 1988

2. OWNER INFORMATION  
 Name(s): TEB, Inc. c/o Parmits West, Inc. \* Interest: \_\_\_\_\_ %  
 Address: 37 Varano Loop (505) 984-8120  
 City: Santa Fe State: NM Zip Code: 87505  
 Is the land owned by the applicant? Yes \_\_\_\_\_ No \_\_\_\_\_  
 (If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: \_\_\_\_\_ cfs and/or Six \_\_\_\_\_ ac-ft

4. SOURCE: Ranger Station water hole \* DRAINAGE: \_\_\_\_\_  
 which is tributary to Kane Gulch  
 which is tributary to Grand Gulch  
 POINT(S) OF DIVERSION: \_\_\_\_\_ COUNTY: San Juan  
South 2,419.7 feet and West 1,255.1 feet from the NE corner of Sec. 33, T. 37 S., R. 18 E., S8M

Description of Diverting Works: Water will be pumped directly into 85 bbl tank trucks.  
 \* COMMON DESCRIPTION: 18 miles SW of Blanding Bears Ears Quad

5. POINT(S) OF REDIVERSION N/A  
 The water will be rediverted from \_\_\_\_\_ at a point: \_\_\_\_\_

Description of Rediverting Works: \_\_\_\_\_

6. POINT(S) OF RETURN  
 The amount of water consumed will be \_\_\_\_\_ cfs or 6.00 \_\_\_\_\_ ac-ft  
 The amount of water returned will be \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft  
 The water will be returned to the natural stream/source at a point(s): \_\_\_\_\_

7. STORAGE N/A  
 Reservoir Name: \_\_\_\_\_ Storage Period: from \_\_\_\_\_ to \_\_\_\_\_  
 Capacity: \_\_\_\_\_ ac-ft. Inundated Area: \_\_\_\_\_  
 Height of dam: \_\_\_\_\_ feet  
 Legal description of inundated area by 40 acre tract(s): \_\_\_\_\_

RECEIVED JUN 13 1988

DIVISION OF OIL, GAS & MINING

TEMPORARY

\* These items are to be completed by the Division of Water Rights

8. List any other water rights which will supplement this application used supp. with 09-1575. (T63251)  
Application supplements other entities' water rights for stockwatering, etc.

9. NATURE AND PERIOD OF USE

Irrigation: From \_\_\_\_\_ to \_\_\_\_\_  
Stockwatering: From \_\_\_\_\_ to \_\_\_\_\_  
Domestic: From \_\_\_\_\_ to \_\_\_\_\_  
Municipal: From \_\_\_\_\_ to \_\_\_\_\_  
Mining: From \_\_\_\_\_ to \_\_\_\_\_  
Power: From \_\_\_\_\_ to \_\_\_\_\_  
Other: From ~~June 15, 1988~~ to ~~June 14, 1989~~  
June 16, 1988 Sept. 14, 1988

10. PURPOSE AND EXTENT OF USE

Irrigation: \_\_\_\_\_ acres. Sole supply of \_\_\_\_\_ acres.  
Stockwatering (number and kind): \_\_\_\_\_  
Domestic: \_\_\_\_\_ Families and/or \_\_\_\_\_ Persons  
Municipal (name): \_\_\_\_\_  
Mining: \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine  
Ores mined: \_\_\_\_\_  
Power: Plant name: \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_  
Other (describe): Water will be used for oil well drilling mud, dust control, compaction, etc.

11. PLACE OF USE

Legal description of place of use by 40 acre tract(s):  
North 660' and West 1780' from the SE corner of Sec. 18, T. 37 S., R. 19 E., SLBM at the Cyclone Flat #9  
oil well (SWSE 18-37s-19e). South 660' and east 1980' from the NW corner of Sec. 31, T. 37 S., R. 19  
E., SLBM at the Cedar Mesa #1 oil well (NENW 31-37s-19e). South 2180' and east 1855' from the NW  
corner of Sec. 31, T. 37 S., R. 19 E., SLBM at the Cedar Mesa #2 oil well (SENW 31-37s-19e).

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of same size if necessary): From #2. Land is public and administered by the BLM. BLM has  
agreed to allow TEB to use this as a supplemental water source.

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

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Ryan Wood  
Signature of Applicant(s)

RECEIVED  
TEMPORARY JUN 13 1988  
DIVISION OF  
OIL, GAS & MINING

MAY 21 1988

STATE ENGINEER'S ENDORSEMENT

WATER RIGHT NUMBER. 09 - 1578

APPLICATION NO. 153274

1. June 1, 1988            Application received by MP.
  2. June 1, 1988            Application designated for APPROVAL by MP and KLJ.
  3. Comments:
- 
- 

Conditions:

This application is hereby APPROVED, dated June 10, 1988, subject to prior rights and this application will expire on June 10, 1989.

  
Robert L. Morgan, P.F.  
State Engineer

**RECEIVED**  
JUN 13 1988

DIVISION OF  
OIL, GAS & MINING

Division of Oil, Gas and Mining  
**PHONE CONVERSATION DOCUMENTATION FORM**

Route original/copy to:

Well File Bayland Stat #2  
(Location) Sec 30 Twp 37S Rng 19E  
(API No.) 43-037-31363

Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

Other  
\_\_\_\_\_  
\_\_\_\_\_

1. Date of Phone Call. 8/17/89 Time: \_\_\_\_\_

2. DOGM Employee (name) Arline Seltis (Initiated Call   
Talked to.  
Name Wickham (Initiated Call  - Phone No ( )  
of (Company/Organization) SLM

3. Topic of Conversation Rescinding APD

4. Highlights of Conversation: She will receive APD as soon  
as possible.