

william w. whitley
1705 colorado state bank building
1600 broadway
denver · colorado · 80202
phone (303) 861-2469

April 16, 1980

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

Attn: Mr. Michael T. Minder

Re: #2-25 3-E Federal
TURNER BLUFF PROSPECT
SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 25-T40S-R22E
San Juan County, Utah

Dear Mr. Minder:

Enclosed is a copy of the Application for Permit to Drill the above well for your approval.

We hope to spud this well May 1, 1980.

If you have any questions or require further information, please feel free to call.

Very truly yours,

William W. Whitley

William W. Whitley

/ss
Enclosure

RECEIVED
APR 18 1980

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
U-18433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
3-E Federal

9. WELL NO.
2-25

10. FIELD AND POOL, OR WILDCAT
~~Bluff~~ (Turner Bluff) Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 25-T40S-R22E

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
WILLIAM W. WHITLEY

3. ADDRESS OF OPERATOR
1600 Broadway, Suite 1705, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 1875' FNL & 1960' FEL SW 1/4 NE 1/4
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10.2 miles SE of Bluff, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 670'

16. NO. OF ACRES IN LEASE 570.25

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1559'

19. PROPOSED DEPTH 5650' Desert Creek

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4370' G.L.

22. APPROX. DATE WORK WILL START* May 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|-----------------------|
| 17 1/2" | 13-3/8" | 48 | 120' | 150 SX circ. to surf. |
| 12 1/4" | 8-5/8" | 24 | 1100' | 550 SX |
| 7-7/8" or | 5-1/2" | 14 | 5650' | 150 SX |
| | 4-1/2" | 10.5 | 5650' | 150 SX |

- The well will be spudded in the Morrison Formation.
- The estimated tops of important geological formations are as follows:

| | | | |
|-----------|-------|--------------|-------|
| Entrada | 150' | Moenkopi | 2042' |
| Carmel | 200' | Cutler | 2277' |
| Navajo | 258' | Hermosa | 4247' |
| Kayenta | 748' | Ismay | 5153' |
| Wingate | 825' | Lower Ismay | 5275' |
| Shinarump | 1225' | "C" Shale | 5335' |
| | 1982' | Desert Creek | 5335' |

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: 4-24-80
BY: M.J. Winder

RECEIVED
APR 18 1980

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 depths. Give blowout preventer program, if any.

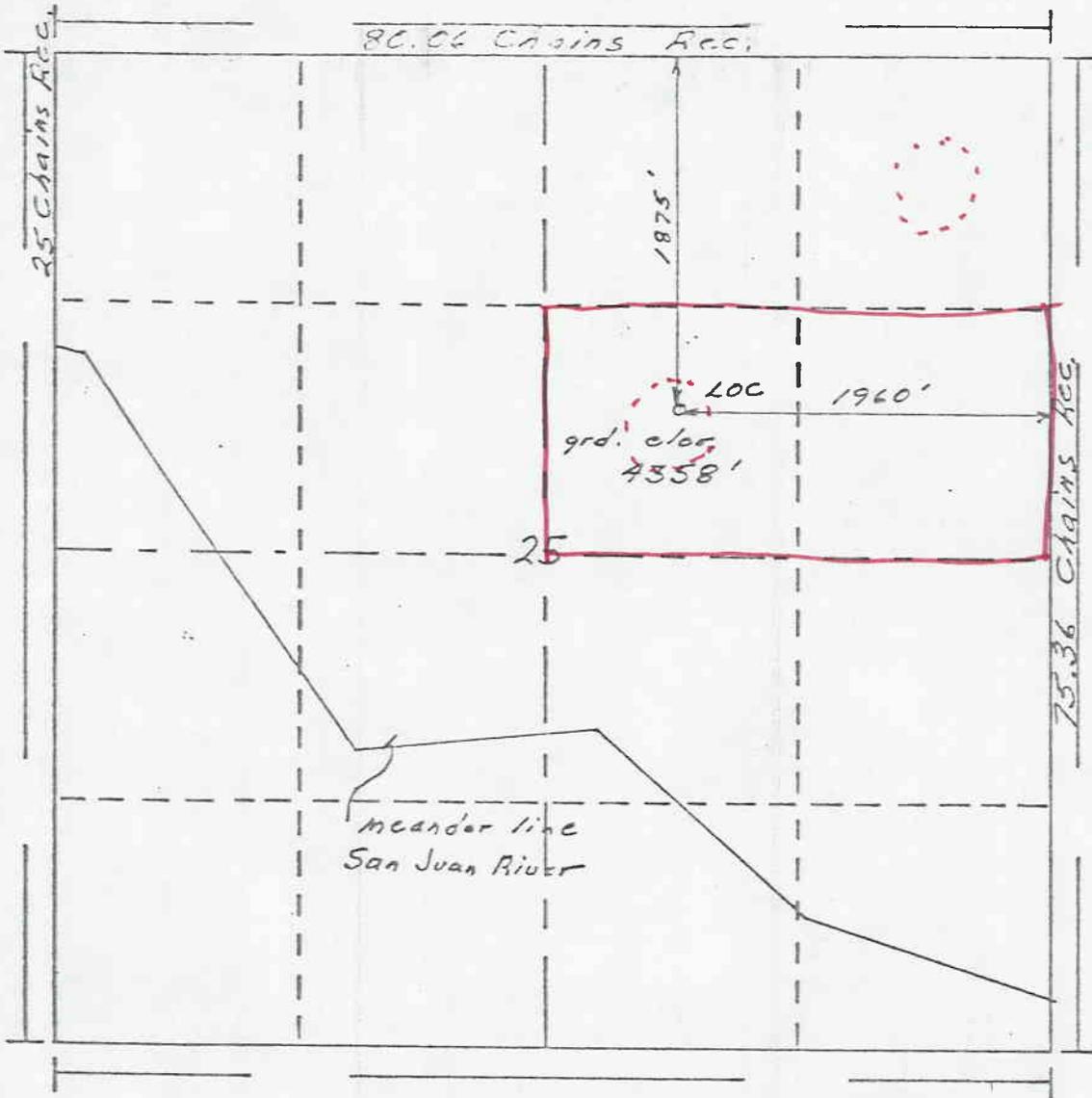
24. SIGNED Robert L. Peterson TITLE Petroleum Engineer DATE April 15, 1980

(This space for Federal or State office use)
PERMIT NO. 43-037-30546 APPROVAL DATE 4/24/80

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



R. 22 E.



T. 40 S.

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from *Bob Peterson*
 for *William Whitley*
 determined the location of # 2-25 3E Federal
 to be 1875' FNL & 1960' FEL Section 25 Township 40 South
 Range 22 East Salt Lake Princ Meridian
 San Juan County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of

Date: 19 Mar, '80

T. J. [Signature]
 Licensed Land Surveyor No. 2711
 State of Utah

EXHIBIT "B"

** FILE NOTATIONS **

DATE: April 22, 1980

Operator: William W. Whitley

Well No: Federal 2-25-3E

Location: Sec. 25 T. 40S R. 22E County: San Juan

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-037-30546

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: M.J. Munder 4-24-80

Director: _____

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 185-2 1/23/80

O.K. Rule C-3

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site

Lease Designation Std

Plotted on Map

Approval Letter Written
Wm

#3

hl
PI

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION
RESOURCE EVALUATION
ROSWELL, NEW MEXICO 88201

MEMORANDUM

TO: DISTRICT ENGINEER, Durango DISTRICT
FROM: GEOLOGIST, SRMA
SUBJECT: REVIEW OF APPLICATION FOR PERMIT TO DRILL
LEASE # U-18433 DATE RECEIVED 4/22/80

WELL LOCATION: 1875' N., 1960' E. SEC. 25 T. 40 S. R. 22 E.
WELL # 3-E Federal #2-25 PROPOSED TD: 5650'

OPERATOR: William W. Whitley

OUR RECORDS INDICATE THE DATA REVIEWED IS CONSISTENT/
~~INCONSISTENT~~ (SEE BELOW) WITH THE GEOLOGY OF THE AREA.

ADDITIONAL INFORMATION RELATED TO THE DRILL SITE IS NOTED
BELOW.

(1) FRESH WATER FORMATIONS:

Water in the ~~Est~~trada, Navajo, and Wingate Formation

(2) OTHER MINERAL BEARING FORMATIONS:

- Salt in the Paradox Formation

(3) KNOWN POTENTIAL GEOLOGIC HAZARDS:

(4) REMARKS:

Salt-bearing Paradox Formation not reviewed by applicant.

N.E. Wingard

DATE 4/23/80

April 28, 1980

William W. Whitley
1600 Broadway, Suite 1705
Denver, Colorado 80202

Re: Well No. Federal #2-25-3E
Sec. 25, T. 40S, R. 22E.,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 185-2 dated January 23, 1980.

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

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

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

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

The API number assigned to this well is 43-037-30546.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/btm

cc: USGS

Moab District
San Juan Resource Area
P. O. Box 7
Monticello, Utah 84535

April 29, 1980

Memorandum

To: James Simms, Acting District Engineer, USGS, Durango, CO
From: Area Manager, San Juan
Subject: W. Whitley, APD Review, 3E Federal 2-25, Lease U-18433

A pre-drill inspection of Whitley 3E Federal 2-25, was conducted on April 24, 1980. Present at the inspection were Bill Whitley, Bob Peterson, Dean McClellan, Carl Barrick, Don Englishman, Elven Vavra (drilling company representative), and Roger Van Ausdal. Our recommendation for approval of this location as applied for is contingent upon adoption of the following stipulations either not covered in or as a modification of the surface use and operating plan.

1. The new access will not exceed 18' in width.
2. The new access and the pad will be built-up to a height of 18". Material may be taken from the area 20 feet back from the pad perimeter to build up the location. Additional fill material will be obtained from the sandbank just northwest of the pad area. Shale for the surfacing will be obtained from the barrow area approximately 1.5 miles north of the location. If rehabilitation of the barrow areas is needed, stipulations will be provided after the project is finished.
3. The trash will be hauled to the trash pit on the Whitley 3E Federal 1-25 location.
4. The reserve pit will be lined with commercial bentonite in a manner that will prevent the escape of fluids.
5. When the reserve pit is dry and before reshaping the pad, all trash and other debris will be removed from the reserve pit and hauled to the trash pit on the 3E Federal 1-25 location or to a local town dump site.
6. The fence on the pad area will be diverted around the pad to

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U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

the south. During rehabilitation, it will be necessary to put the fence back to where it presently exists.

- 7. If a dry hole results, the pad cover and access will be put back as close as possible to original contour and seeded during the months of September or October with a broadcast seeder and utilizing the following mixture:

- 2 lbs/acre Indian ricegrass (Oryzopsis hymenoides)
- 2 lbs/acre Rubber rabbitbrush (Chrysothamnus nauseosus)

- 8. Prior to seeding, disturbed areas will be harrowed. After seeding, a chain will be dragged over the disturbed areas to assure seed cover.
- 8. The dirt contractor will be furnished with a copy of these stipulations prior to any work.
- 9. BLM will be notified of the date dirt work is to begin several days in advance, and prior to the beginning and at the end of rehabilitation measures.
- 10. If the well is determined to be a commercial producer, BLM will be contacted for additional stipulations. Another field meeting may be necessary.

Edward R. Schuch

cc: Perry McDonald
 RVanAusdal:jh 04-29-80
 The pad will be built up to a height of 18". Material may be taken from the area 20 feet back from the pad and piled up the location. Additional fill material will be obtained from the borrow area northwest of the pad area. If rehabilitation of the borrow area is needed, stipulations will be provided after the project is finished.

ofr

- 3. The track will be located to the east of the well at the Federal 1-25 location.
- 4. The reserve pit will be lined with commercial bentonite in a manner that will prevent the seepage of fluids.
- 5. When the reserve pit is dry and before reentering the pad, all trash and other debris will be removed from the reserve pit and hauled to the trash pit on the Federal 1-25 location or to a local town dump site.
- 6. The fence on the pad area will be replaced around the pad to

June 18, 1981

William W. Witley
1600 Broadway, Suite 1705
Denver, Colorado 80202

Re: Well No. Federal #1-19A
Sec. 19, T. 40S, R. 23 E
San Juan County, Utah

Well No. Federal #2-25-3E
Sec. 25, T. 40S, R. 22E
San Juan County, Utah

Gentlemen:

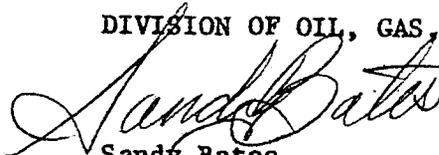
In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan on drilling these locations at a later date, please notify as such.

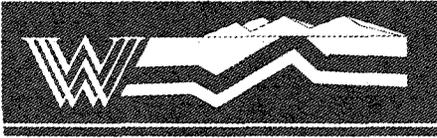
Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



Sandy Bates
Clerk-Typist



william w. whitley
1705 colorado state bank building
1600 broadway
denver · colorado · 80202
phone (303) 861-2469

October 30, 1981

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

Attn: Mr. Michael T. Minder

NOV 02 1981

Re: 2-25 3-E Federal well, DIVISION OF OIL, GAS & MINING
TURNER BLUFF AREA
SW NE Section 25-T40S-R22E
Salt Lake City, Utah

Dear Mr. Minder:

Enclosed is a copy of the Application for Permit to Drill the subject well. We have this day sent three copies of the Application, 10-point program and NTL-6 to the USGS in Salt Lake City to the attention of Ms. Diane Horsley, and another copy to the Bureau of Land Management in Monticello, Utah.

This application was previously submitted on April 15, 1980 and approved by the USGS on May 2, 1980 and approved by the State of Utah on April 28, 1980 and given an API number of 43-037-30546 at that time. On June 29, 1981 in response to an inquiry we wrote that we intended to drill this well at a later date. This resubmittal contains no significant changes with respect to access to or preparation of the drillsite.

If you need additional information, please let us know.

Very truly yours,

William W. Whitley

WWW:ss
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 WILLIAM W. WHITLEY

3. ADDRESS OF OPERATOR
 1600 Broadway, Suite 1705, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1875' FNL & 1960' FEL (SW/4 NE/4)
 At proposed prod. zone
 same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 10.2 miles SE of Bluff, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 670'

16. NO. OF ACRES IN LEASE 570.25

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1559'

19. PROPOSED DEPTH 5650'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4358' G.L.

22. APPROX. DATE WORK WILL START* November 15, 1981

5. LEASE DESIGNATION AND SERIAL NO.
 U-18433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 3-E Federal

9. WELL NO.
 2-25

10. FIELD AND POOL, OR WILDCAT
 Turner Bluff

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 25-T40S-R22E

12. COUNTY OR PARISH San Juan

13. STATE Utah

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 17 1/2" | 13-3/8" | 48 | 120' | 150 sx - circ |
| 12 1/2" | 8-5/8" | 24 | 1100' | 550 sx - circ |
| 7-7/8") OR | 5 1/2" | 14 | 5650' | 150 sx |
| 7-7/8") | 4 1/2" | 10.5 | 5650' | 150 sx |

- The well will be spudded in the Morrison Formation.
- The estimated tops of important geological formations are as follows:

| | | | |
|-----------|-------|--------------|-------|
| Entrada | 150' | Moenkope | 2042' |
| Carmel | 200' | Cutler | 2277' |
| Navajo | 258' | Hermosa | 4247' |
| Kayenta | 748' | Ismay | 5153' |
| Wingate | 825' | Lower Ismay | 5275' |
| Chinle | 1225' | "C" Shale | 5335' |
| Shinarump | 1982' | Desert Creek | 5380' |

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 William Whitley TITLE Operator DATE October 30, 1981
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

3. Proposed Casing Program:
 - A. Conductor Pipe: 100', 13-3/8", 32.75#, K-55, 8 rd. th., ST&C New casing.
 - B. Surface Casing: Approx. 1200' of 8-5/8", 24#, K-55, ST&C, 8 rd. th., New casing would be run and cemented to surface, if Navajo flowing water is encountered.
 - C. Production Casing: 5 1/2", 14#, and 15.5#, K-55, ST&C, 8 rd. th., New casing or 4 1/2", 10.5#, K-55, LT&C, 8 rd. th., New casing.
4. Estimated depths of anticipated water, oil or gas zones:
 - A. Navajo Sand 425' (Fresh water)
 - B. Lower Ismay 5344' (Oil)
 - C. Desert Creek 5444' (Oil)
5. The casinghead will be a flanged 8 5/8" x 10", 900 Series, 3000 psi working pressure type. The blowout preventer will be a 10", 900 Series, 3000 psi working pressure with 4 1/2" pipe rams and blind rams with a remote hydraulic closing unit. The blowout preventer arrangement will include a kill line and choke manifold as shown in Exhibit "F" in the schematic diagram. The BOP will be tested to 1000 psi prior to drilling out the cement plug in the surface casing and once during each tour.
6. Clear water with drilling detergent will be used for a circulating medium to about 2000' depth. The well will then be mudded up properly before drilling the Ismay formation. The mud will be a fresh water gel chemical type mud. The mud weight will be maintained at about 9.3 lbs./gal., viscosity 35 to 45 sec./qt., and water loss 8 to 10 ccs.
7. The following auxiliary drilling equipment will be utilized or available:
 - A. Kelly cock
 - B. Float valve above bit
 - C. A 3000-psi W.P. full opening valve will be screwed into a 4 1/2" drillpipe sub to be used as a stabbing valve.
 - D. No mud monitoring equipment will be used.
8. No cores are planned on this well. Lower Ismay and Desert Creek porosity with oil shows will be drillstem tested. An Induction Electric log will be run from total depth to the base of any casing. A Borehole Compensated Sonic-Gamma Ray Caliper log will be run over any indicated porosity zones with oil shows.
9. No abnormal pressures or temperatures are encountered in the immediate area. The pressure gradient in the Lower Ismay and Desert Creek porosity zones are about 0.388 psi/ft. depth. No hydrogen sulfide has been encountered in the Ismay, Desert Creek or shallower zones in this area.
10. The perforations in either the Ismay or Desert Creek formations will be acidized unless an adequate flow of hydrocarbons into the wellbore is obtained by perforating only. The acid treatments should not be over 500 gallons of acid per foot of perforations. Normal treating pressures are anticipated. If flammable liquids are

used to treat the well, the pumping equipment will be at least 120 feet from the wellhead and the pumping equipment at least 120 feet from the storage tanks.

11. It is planned to spud this well on November 15, 1981.

WILLIAM W. WHITLEY

#2-25 3-E FEDERAL
SW $\frac{1}{4}$ NE $\frac{1}{4}$ (1875' FNL & 1960' FEL) Sec. 25, T40S, R22E
San Juan County, Utah

NTL-6 MULTIPOINT REQUIREMENTS

SURFACE USE PLAN

1. Existing Roads

A portion of a U.S. Geological Survey topo map is attached as Exhibit "A" showing existing roads.

- A. The location plat is attached as Exhibit "B" which shows the location as staked. The well will be drilled in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ (1875' FNL & 1960' FEL) of Section 25, Township 40 South, Range 22 East, San Juan County, Utah.
- B. The location is 13.2 miles from Utah State Highway 262 which is paved. The 1st mile is on an existing oil field road (Bluff Bench Road) which is used for access to Recapture Creek oil field. The road is shown on the map (Exhibit "A") in red. The road starts at Montezuma Creek and continues west and connects again with Utah Highway 163 about one mile southeast of Bluff, Utah.
- C. Approximately 100 feet of access road will be necessary.
- D. All existing roads within a one-mile radius are shown on the attached Exhibit "A".
- E. No improvements are planned for the existing access road since it will be only about 100' long.

2. Planned Access Road

- A. An access road approximately 100 feet long will be necessary. The access is over a sandy flat river flood plain in the San Juan River drainage. It will be necessary to elevate the road about 18 inches.

- B. The access road will be on the flood plain so it will be very flat and level.
- C. No turnouts will be necessary.
- D. No drainage will be necessary.
- E. No cuts will be necessary.
- F. No road surfacing materials will be required.
- G. No gates, cattleguards, or fence cuts will be required.
- H. The access road will be so short that it is apparent where it will be located. It will not need to be flagged.

3. Location of Existing Wells (Exhibit "C")

For all existing wells within a one-mile radius of this well:

- A. There is a water well located about 200 feet west of the proposed location.
- B. There are 8 abandoned wells within a one-mile radius of the well location:

Township 40 South-Range 22 East

SW/4 SE/4 Section 23

NE/4 SE/4 Section 23

SE/4 NW/4 Section 24

NE/4 SW/4 Section 24

SW/4 SW/4 Section 24

NE/4 SE/4 Section 24

Township 40 South-Range 23 East

SE/4 SW/4 Section 19

NW/4 SW/4 Section 30

- C. There are no temporarily abandoned wells within a one-mile radius of this well.
- D. There are no disposal wells within a one-mile radius of this location.
- E. There are no currently drilling wells within a one-mile radius of this location.
- F. There are 4 producing wells within a one-mile radius of this well:

William W. Whitley 1-24 Federal
SW SE Section 24-40S-22E

William W. Whitley 1-25 Kirkwood-Federal
NE NW Section 25-40S-22E

William W. Whitley 1-25-3E Federal
NE NE Section 25-40S-22E

Davis Oil Company #1 McCrackin Point-Federal
NW SW Section 19-40S-23E

- G. There are no shut-in wells located within a one-mile radius of this proposed location.
- H. There are no injection wells located within a one-mile radius of this location.
- I. There are no monitoring or observation wells for other uses located within a one-mile radius of this proposed location.

4. Location of Existing and/or Proposed Facilities

- A. Within a one-mile radius of location the following existing facilities are owned or controlled by lessee/operator:

1) Tank Batteries: One tank battery located at the #1-24 Federal located in the SWSE Sec. 24 consisting of 3 - 400-barrel welded tanks & a 4' x 20' treater. Flowing well at this location. Also one tank battery located at the NW¹/₄ NEPNWP Section 25 consisting of 3 - 300-barrel welded tanks and a 4' x 20' treater and another flowing well. A tank battery is also located at the 1-25-3E Federal in the NE/4 NE/4 Section 25 consisting of 1 - 300-barrel welded steel oil storage tank and one 300-barrel fiberglass produced-water tank.

2) Production facilities: Pumping

3) Oil Gathering Lines: None

4) Gas Gathering Lines: None. A gas gathering line is located across Sections 24 and 25. It has been purchased by the operator and it is planned to restore it to operation.

5) Injection Lines: None

6) Disposal Lines: None

- B. If production is obtained, new facilities will be as follows: A pumping unit and engine. A flowline will be run to the tank battery at the 1-25-3E Federal in the NE/4 NE/4 Section 25. If the well is successful it may be necessary to add two tanks to the tank battery at the 1-25-3E tank battery.

1) The production facilities will be painted a buff color to blend with the natural color of the area.

2) Exhibit "D" shows the location and dimensions of the proposed facilities.

3) The oil and gas flow lines will be 3" fiberglass or steel lines wrapped with a plastic protective coating buried 3 feet deep. The circulating line will be 2" in diameter steel line, also buried. When the pumping unit is installed, it will be installed on a gravel pad with a wide base.

4) The production pit will be fenced. If the well produces over 5 BWPd, the production pit will be lined and flagged unless the water is fresh. The pumping unit will have guard rails installed around the crank weights and belt guards will be installed over the V-belts from the engine to the pumping unit. A siphon pit will be installed ahead of the water disposal pit if the well produces any water.

- C. Plan for Rehabilitation of Disturbed Areas no longer needed for Operations:

The reserve pit will be backfilled and recontoured to the original contour as close as practical and topsoil replaced. If the well is plugged and abandoned, the location will be leveled and topsoil replaced. All foreign material will be buried in the reserve pit.

The topsoil will be reseeded in a native grass seed mixture recommended by the Bureau of Land Management. The reseeded will be done at the appropriate time of year so that seeds will germinate properly. The same procedure will be followed for the location pad and access road if the well is plugged and abandoned.

5. Location and Type of Water Supply

The drilling water will be pumped from a water hole existing approximately 0.2 miles East by road from proposed wellsite. There is an existing road going directly to the water hole.

6. Source of Construction Materials

The only construction materials necessary will be gravel purchased from and hauled in by a commercial source for a wide based pumping unit.

7. Method of Handling Waste Disposal

- A. Cuttings: Drill cuttings will be contained in the reserve pit.
- B. Drilling fluids: Drilling fluids will be contained in steel mud tanks and the reserve pit. The reserve pit will be fenced if it cannot be backfilled immediately after the well is drilled.
- C. Any produced oil will be contained in steel swab or test tanks. Produced water, if any, will be contained in the production pit after the well is completed and in swab tanks or the reserve pit until the well is completed and the battery is installed.
- D. Sewage will be disposed in the reserve pit or sanitary holes.
- E. Garbage and waste material will be contained in the trash pit to be dug by a backhoe. The trash pit will be fenced and covered with a mesh fence.
- F. The wellsite will be policed of all foreign material after the drilling and completion rigs are moved off. All trash will be burned or buried. The reserve pit will be backfilled and reseeded.

8. Ancillary Facilities

Not applicable

9. Wellsite Layout

- A. The surface at the location is flat. It will be necessary to doze up the location from the sides to about 18 inches height. The location will then be covered with sand from the bank right to North of the access road. A barb wire fence is located on the East of the location. It will be necessary to move this fence.
- B. The layout of the rig is shown on Exhibit "E".
- C. The rig orientation, parking areas and entrance of access road are shown on Exhibit "E".
- D. The reserve pit will be lined if necessary. The water disposal pit will be lined if the well produces over 5 BWPD or the water will be contained in welded steel or fiberglass storage tanks.

E. The location of the production facilities is shown on Exhibit "D" attached.

10. Plans for Restoration of Surface

- A. The reserve pit will be backfilled and recontoured to the original contour as closely as practical and the topsoil replaced. The location will be leveled and topsoil replaced. All foreign material will be buried in the reserve pit in accordance with BLM requirements.
- B. The topsoil will be replaced and reseeded to native grasses according to the BLM's specifications on all the unused portions of the location and all of the reserve pit. In case of a dryhole, the road will be reseeded.
- C. The reserve pit will be fenced on three sides while the rig is drilling and on the fourth side as soon as the rig is moved off and until it is backfilled. The reserve pit will be backfilled as soon as it dries up enough.
- D. If any oil is left on the reserve pit, it will be removed.
- E. The reserve pit will be backfilled just as soon as it dries up enough and the weather permits. The location will be leveled as soon as the rig moves off if the well is plugged and abandoned or after production operations are suspended if the well is a producer. The topsoil will be replaced and the location will be reseeded when the weather is right after the location is restored.
- F. The well is planned to be drilled during May, if a rig is available. The rehabilitation operations should be completed by early fall.

11. Other Information

- A. The topography in the general area is rough but this location is on a flat flood plain. The soil should be easy to doze. The surface at this location is about 60 percent bare, 30 percent salt cedar brush, 5 percent broom snake weed, 2 percent native grasses, 2 percent low growing weeds and 1 percent Russian thistle. This well will be spudded in the Morrison formation.
- B. The surface is very arid and the only thing the land could be used for is sheep or cattle grazing. The surface is owned by the Federal Government.
- C. No occupied buildings, historical sites, cultural sites or archaeological sites are evident from inspecting this location or the access roads. Since the location is on the flood plain an archaeological ruin would be covered or carried away by flood waters.

12. Lessee's or Operator's Representative

The Operator's field representative who will be responsible for compliance with the Surface Use and Operations Plan is Robert W. Peterson. Mr. Peterson can be reached by telephone at (303) 861-2470. If Mr. Peterson cannot be reached, Mr. John Steele will be responsible for compliance. Mr. Steele can be reached by telephone at (303) 355-1422.

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


Petroleum Engineer

Dated: October 30, 1981

RWP:ss

Attachments

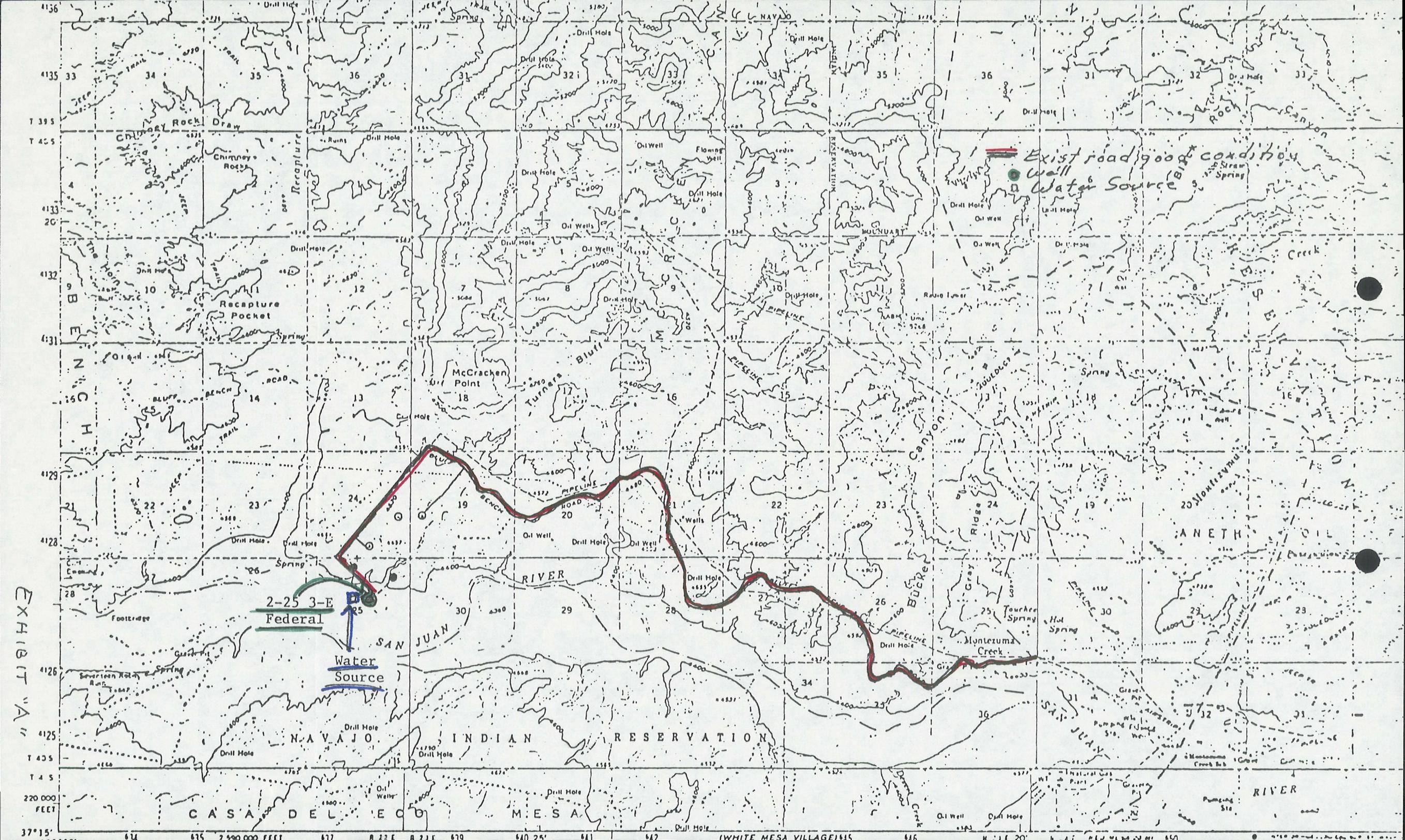


EXHIBIT "A"

Exist road good condition
Water Source

2-25 3-E
Federal

Water
Source

37°15'

220 000
FEET

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T 4 S 5

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T 39 S

T 40 S

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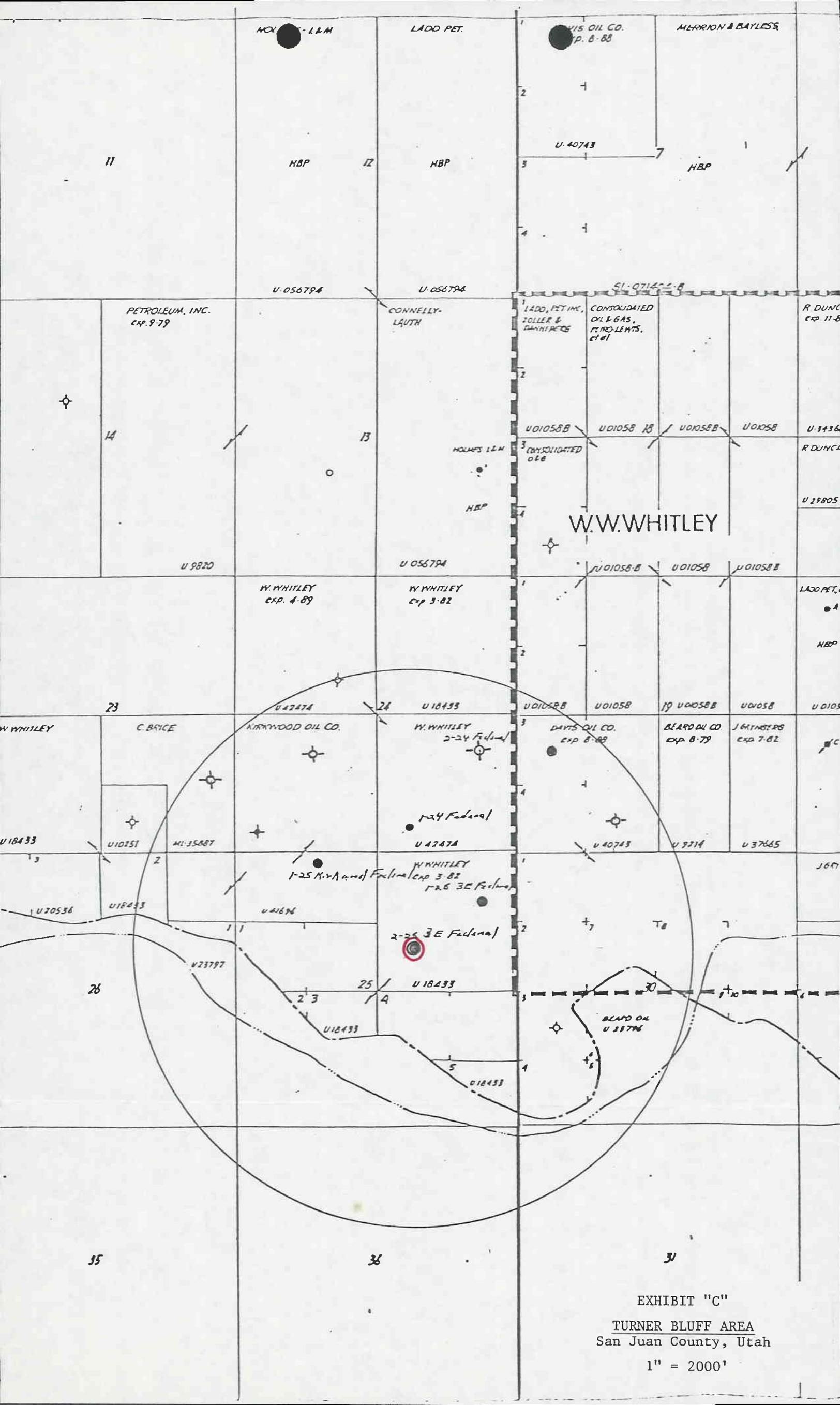
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HOLMES L&M

LADD PET.

DAVIS OIL CO.
Exp. 8-88

MERRION & BAYLESS

11

HBP

12

HBP

U-40743

HBP

U-056794

U-056794

51-07142-8

PETROLEUM, INC.
Exp. 9-79

CONNELLY-
LAUTH

LADD, PET. INC.,
ZOLLER &
DANNHARTS

CONSOLIDATED
OIL & GAS,
PETROLEUMS,
ETC.

R. DUNCAN
Exp. 11-8

14

13

HOLMES L&M

U-01058B

U-01058B

U-01058B

U-01058B

U-3436

HBP

W.W. WHITLEY

U-29805

U-9820

U-056794

U-01058B

U-01058B

U-01058B

W. WHITLEY
Exp. 4-89

W. WHITLEY
Exp. 3-82

LADD PET.

HBP

23

U-42474

24

U-18433

U-01058B

U-01058B

U-01058B

U-01058B

U-10105

W. WHITLEY

C. BRUCE

KIRKWOOD OIL CO.

W. WHITLEY
2-24 Fed. Reg.

DAVIS OIL CO.
Exp. 8-88

BEARD OIL CO.
Exp. 8-79

J. BATHNERS
Exp. 7-82

U-18433

U-10151

M-35887

U-42474

U-40743

U-7214

U-37665

U-70536

U-18433

U-42474

1-25 K.V.A. and Fed. Reg. Exp. 3-82

W. WHITLEY
2-25 3E Fed. Reg.

2-25 3E Fed. Reg.

26

U-23797

25

U-18433

U-40743

U-7214

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U-18433

U-18433

BEARD OIL
U-28796

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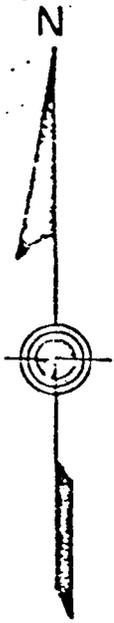
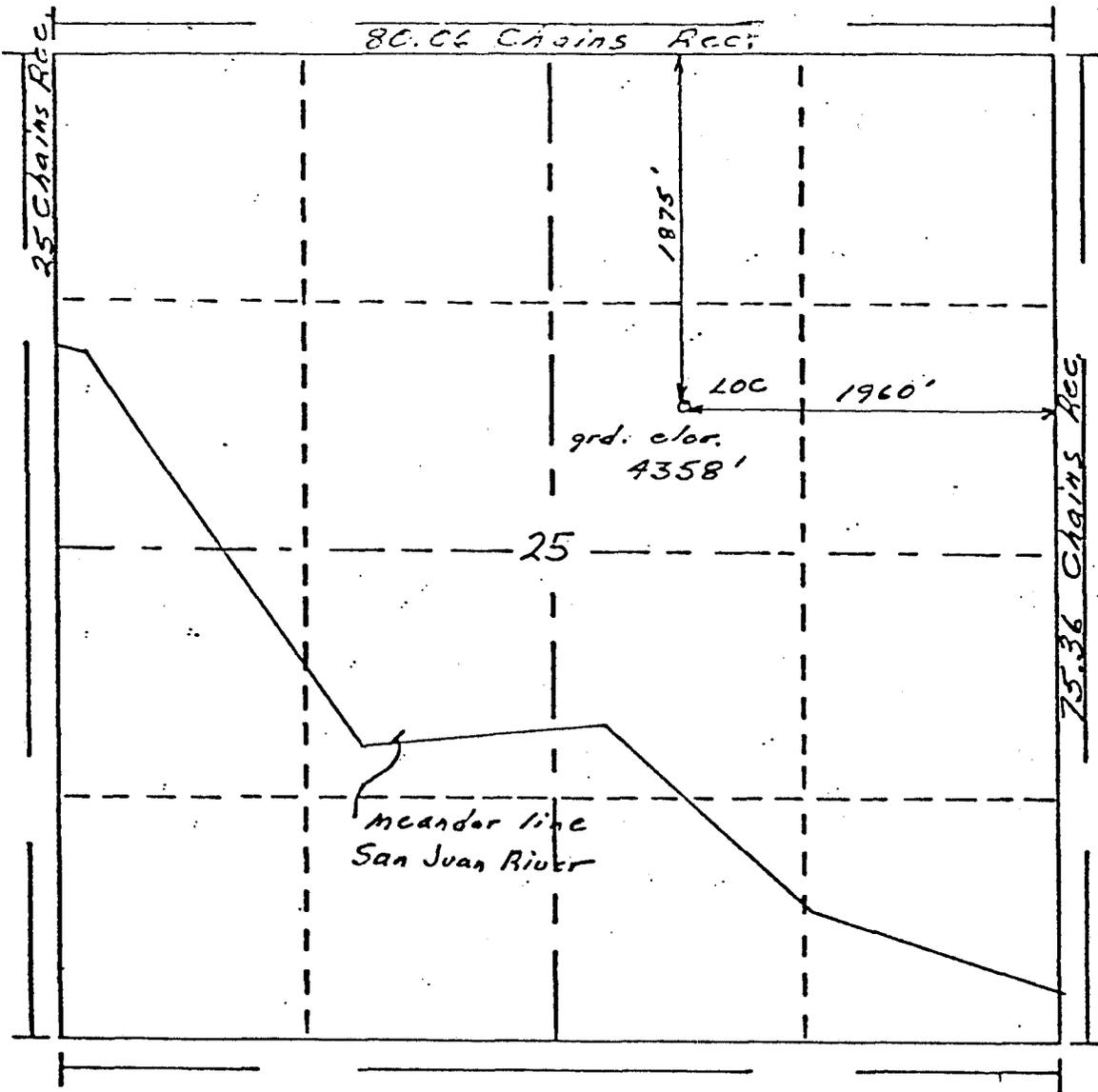
EXHIBIT "C"

TURNER BLUFF AREA
San Juan County, Utah

1" = 2000'



R. 22 E.



T. 40 S.

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado has in accordance with a request from *Bob Peterson* for *William Whitley* determined the location of # 2-25 3E Federal to be 1875' FNL & 1960' FEL Section 25 Township 40 South Range 22 East Salt Lake Prime Meridian San Juan County, Utah.

I hereby certify that this plat is an accurate representation of a correct survey showing the location of

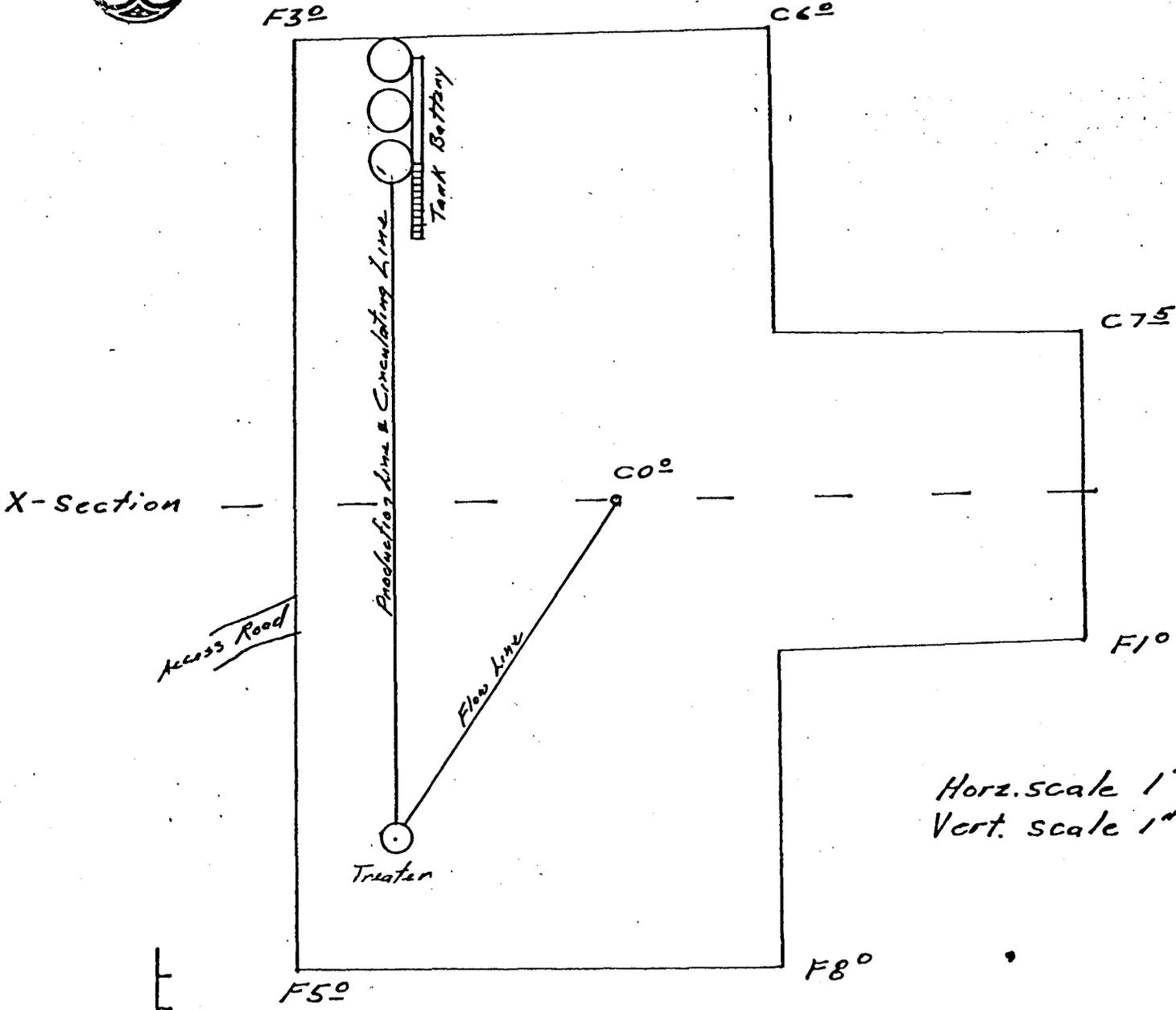
Date: 19 Mar. '80

T. H. [Signature]
 Licensed Land Surveyor No. 2711
 State of Utah

EXHIBIT "B"



POWERS ELEVATION COMPANY, INC.



Horz. scale 1" = 50'
Vert. scale 1" = 5'

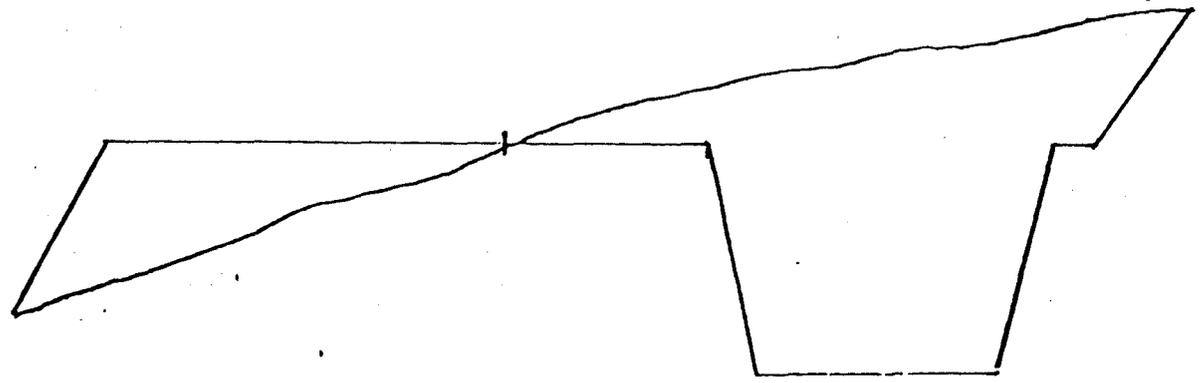
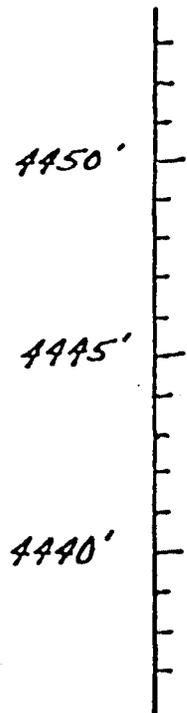
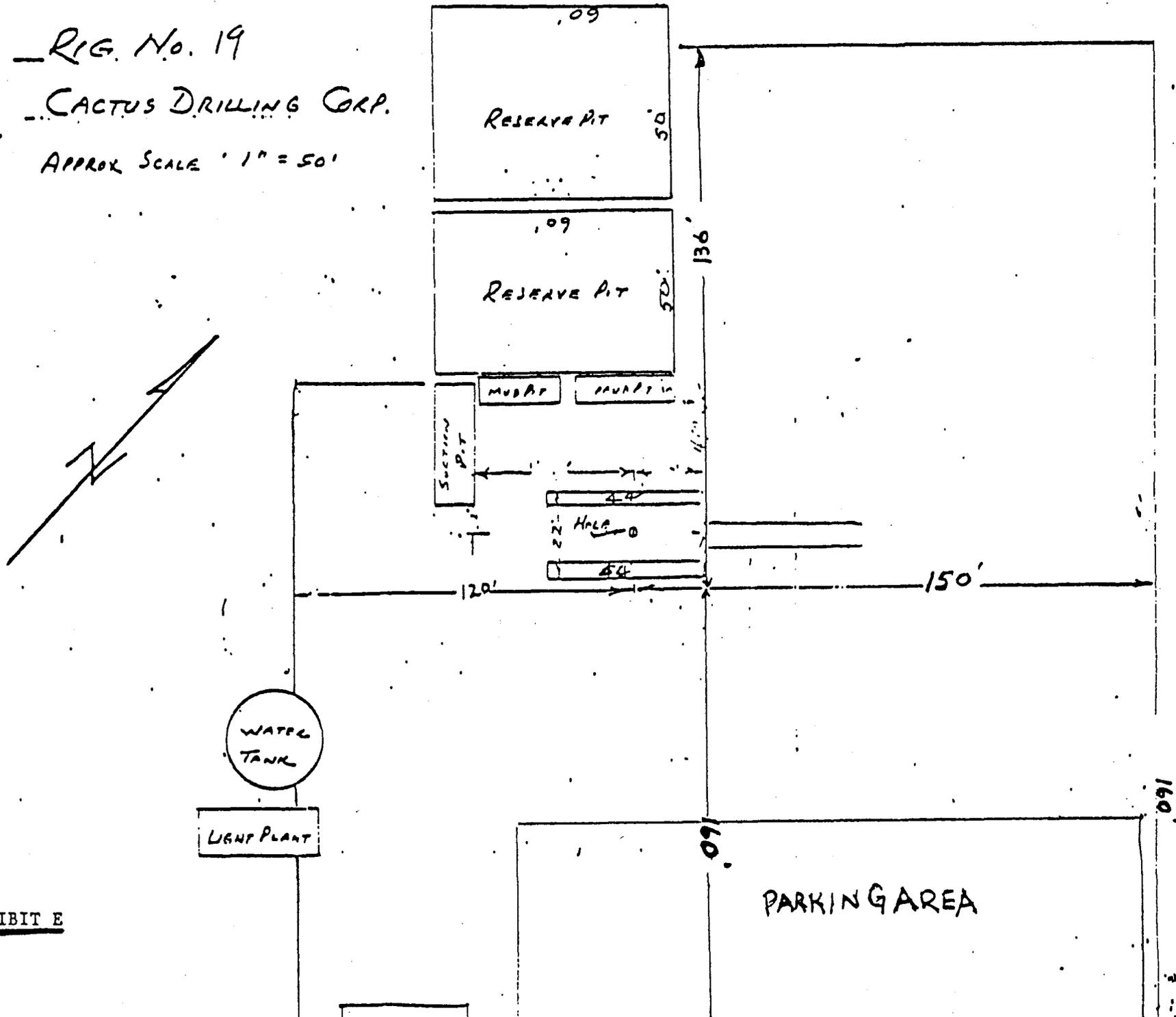


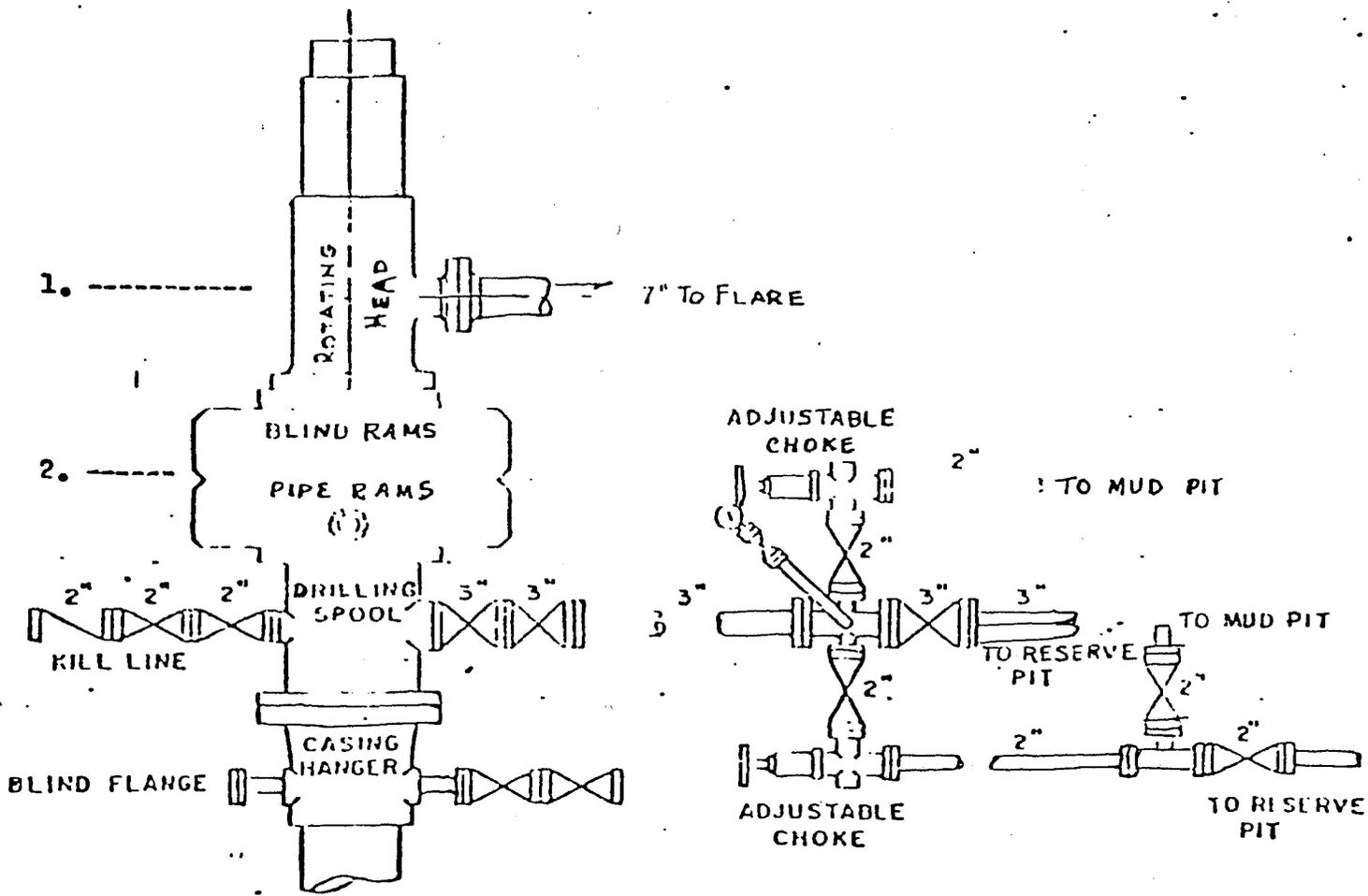
Exhibit 'D'

RIG No. 19

CACTUS DRILLING CORP.

APPROX SCALE 1" = 50'





1. Shaffer Type 51 Rotating Head
2. Shaffer 12" 900 Series Type 48 Double Hydraulic

3. Proposed Casing Program:
 - A. Conductor Pipe: 100', 13-3/8", 32.75#, K-55, 8 rd. th., ST&C New casing.
 - B. Surface Casing: Approx. 1200' of 8-5/8", 24#, K-55, ST&C, 8 rd. th., New casing would be run and cemented to surface, if Navajo flowing water is encountered.
 - C. Production Casing: 5 1/2", 14#, and 15.5#, K-55, ST&C, 8 rd. th., New casing or 4 1/2", 10.5#, K-55, LT&C, 8 rd. th., New casing.
4. Estimated depths of anticipated water, oil or gas zones:
 - A. Navajo Sand 425' (Fresh water)
 - B. Lower Ismay 5344' (Oil)
 - C. Desert Creek 5444' (Oil)
5. The casinghead will be a flanged 8 5/8" x 10", 900 Series, 3000 psi working pressure type. The blowout preventer will be a 10", 900 Series, 3000 psi working pressure with 4 1/2" pipe rams and blind rams with a remote hydraulic closing unit. The blowout preventer arrangement will include a kill line and choke manifold as shown in Exhibit "F" in the schematic diagram. The BOP will be tested to 1000 psi prior to drilling out the cement plug in the surface casing and once during each tour.
6. Clear water with drilling detergent will be used for a circulating medium to about 2000' depth. The well will then be mudded up properly before drilling the Ismay formation. The mud will be a fresh water gel chemical type mud. The mud weight will be maintained at about 9.3 lbs./gal., viscosity 35 to 45 sec./qt., and water loss 8 to 10 ccs.
7. The following auxiliary drilling equipment will be utilized or available:
 - A. Kelly cock
 - B. Float valve above bit
 - C. A 3000-psi W.P. full opening valve will be screwed into a 4 1/2" drillpipe sub to be used as a stabbing valve.
 - D. No mud monitoring equipment will be used.
8. No cores are planned on this well. Lower Ismay and Desert Creek porosity with oil shows will be drillstem tested. An Induction Electric log will be run from total depth to the base of any casing. A Borehole Compensated Sonic-Gamma Ray Caliper log will be run over any indicated porosity zones with oil shows.
9. No abnormal pressures or temperatures are encountered in the immediate area. The pressure gradient in the Lower Ismay and Desert Creek porosity zones are about 0.388 psi/ft. depth. No hydrogen sulfide has been encountered in the Ismay, Desert Creek or shallower zones in this area.
10. The perforations in either the Ismay or Desert Creek formations will be acidized unless an adequate flow of hydrocarbons into the wellbore is obtained by perforating only. The acid treatments should not be over 500 gallons of acid per foot of perforations. Normal treating pressures are anticipated. If flammable liquids are

used to treat the well, the pumping equipment will be at least 120 feet from the wellhead and the pumping equipment at least 120 feet from the storage tanks.

11. It is planned to spud this well on May 1, 1980.

WILLIAM W. WHITLEY

#2-25 3-E FEDERAL
SW $\frac{1}{4}$ NE $\frac{1}{4}$ (1875' FNL & 1960' FEL) Sec. 25, T40S, R22E
San Juan County, Utah

NTL-6 MULTIPOINT REQUIREMENTS

SURFACE USE PLAN

1. Existing Roads

A portion of a U.S. Geological Survey topo map is attached as Exhibit "A" showing existing roads.

- A. The location plat is attached as Exhibit "B" which shows the location as staked. The well will be drilled in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ (1875' FNL & 1960' FEL) of Section 25, Township 40 South, Range 22 East, San Juan County, Utah.
- B. The location is 13.2 miles from Utah State Highway 262 which is paved. The 1st mile is on an existing oil field road (Bluff Bench Road) which is used for access to Recapture Creek oil field. The road is shown on the map (Exhibit "A") in red. The road starts at Montezuma Creek and continues west and connects again with Utah Highway 163 about one mile southeast of Bluff, Utah.
- C. Approximately 100 feet of access road will be necessary.
- D. All existing roads within a one-mile radius are shown on the attached Exhibit "A".
- E. No improvements are planned for the existing access road since it will be only about 100' long.

2. Planned Access Road

- A. An access road approximately 100 feet long will be necessary. The access is over a sandy flat river flood plain in the San Juan River drainage. It will be necessary to elevate the road about 18 inches.

- B. The access road will be on the flood plain so it will be very flat & level.
- C. No turnouts will be necessary.
- D. No drainage will be necessary.
- E. No cuts will be necessary
- F. No road surfacing materials will be required.
- G. No gates, cattleguards, or fence cuts will be required.
- H. The access road will be so short that it is apparent where it will be located. It will not need to be flagged.

3. Location of Existing Wells (Exhibit "C")

For all existing wells within a one-mile radius of this well:

- A. There is a water well located about 200 feet west of the proposed location.
- B. There are 4 plugged and abandoned wells within a one-mile radius of this location: SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 23, SE $\frac{1}{4}$ NW $\frac{1}{4}$ and SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 24-T40S-R22E, and NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 30-T40S-R23E, all in San Juan County, Utah.
- C. There are no temporarily abandoned wells within a one-mile radius of this well.
- D. There are no disposal wells within a one-mile radius of this well.
- E. There are two wells presently being drilled within a one-mile radius of this proposed location: The #1-25 3-E Federal located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 25, and the #2-24 Federal located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 24, both in T40S-R22E, San Juan County, Utah.
- F. There are two producing wells located within a one-mile radius of this proposed well. The #1-24 Federal located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 24-T40S-R22E and the #1-25 Kirkwood-Federal located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 25-T40S-R22E, both in San Juan County, Utah. Davis Oil Company is also presently completing an oilwell located in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 19-T40S-R23E, San Juan County, Utah.
- G. There are no shut-in wells located within a one-mile radius of this proposed location.
- H. There are no injection wells located within a one-mile radius of this proposed location.
- I. There are no monitoring or observation wells for other uses located within a one-mile radius of this proposed location.

4. Location of Existing and/or Proposed Facilities

- A. Within a one-mile radius of location the following existing facilities are owned or controlled by lessee/operator;

- 1) Tank Batteries: One tank battery located at the #1-24 Federal located in the SWSE Sec. 24 consisting of 3 - 400-barrel welded tanks & a 4'x20' treater. Flowing well at this location. Also one tank battery located at the NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 25 consisting of 3 300-barrel welded tanks and a 4'x20' treater and another flowing well.
 - 2) Production facilities: Flowing wells at above locations.
 - 3) Oil Gathering Lines: None
 - 4) Gas Gathering Lines: None. A gas gathering line is located across Sections 24 and 25. It has been purchased by the operator and it is planned to restore it to operation.
 - 5) Injection Lines: None
 - 6) Disposal Lines: None
- B. If production is obtained, new facilities will be as follows: A pumping unit and engine. If a well is successful at the #1-25 3-E Federal in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 25, a flowline will be run to this location and tank battery. If this well is not successful, the tank battery will be located at this proposed location. It will be necessary to add a gas line from the #1-25 3-E Federal battery, if it is successful, to the #1-24 Federal treater. If the #1-25 3-E Federal is a dry hole, the gas line would go from this proposed location to the #1-25 Kirkwood-Federal treater.
- 1) The tank battery will consist of two or three 400-barrel welded tanks as shown on Exhibit "D" and a 4'x20' or 6'x20' vertical treater. The treater will be located at least 125 feet from the wellhead and the stock tanks will be located at least 125 feet from the wellhead and the treater. The production facilities will be painted a buff color to blend in with the natural color of the area.
 - 2) Exhibit "D" shows the location and dimensions of the proposed facilities.
 - 3) The oil and gas flow lines will be 3" fiberglass or steel lines wrapped with a plastic protective coating buried 3 feet deep. The circulating line will be 2" in diameter steel line, also buried. When the pumping unit is installed, it will be installed on a gravel pad with a wide base.
 - 4) The production pit will be fenced. If the well produces over 5 BWPD, the production pit will be lined and flagged unless the water is fresh. The pumping unit will have guard rails installed around the crank weights and belt guards will be installed over the V-belts from the engine to the pumping unit. A siphon pit will be installed ahead of the water disposal pit if the well produces any water.
- C. Plan for Rehabilitation of Disturbed Areas no longer needed for Operations:
- The reserve pit will be backfilled and recontoured to the original contour as close as practical and the topsoil replaced. If the well is plugged and abandoned, the location will be leveled and the topsoil replaced. All foreign material will be buried in the reserve pit.

The topsoil will be reseeded in a native grass seed mixture recommended by the Bureau of Land Management. The reseeded will be done at the appropriate time of year so that seeds will germinate properly. The same procedure will be followed for the location pad and access road if the well is plugged and abandoned.

5. Location and Type of Water Supply

The drilling water will be pumped from a water hole existing approximately 0.2 miles East by road from proposed wellsite. There is an existing road going directly to the water hole.

6. Source of Construction Materials

The only construction materials necessary will be gravel purchased from and hauled in by a commercial source for a wide based pumping unit.

7. Method of Handling Waste Disposal

- A. Cuttings: Drill cuttings will be contained in the reserve pit.
- B. Drilling fluids: Drilling fluids will be contained in steel mud tanks and the reserve pit. The reserve pit will be fenced if it cannot be backfilled immediately after the well is drilled.
- C. Any produced oil will be contained in steel swab or test tanks. Produced water, if any, will be contained in the production pit after the well is completed and in swab tanks or the reserve pit until the well is completed and the battery is installed.
- D. Sewage will be disposed in the reserve pit or sanitary holes.
- E. Garbage and waste material will be contained in the trash pit to be dug by a backhoe. The trash pit will be fenced and covered with a mesh fence.
- F. The wellsite will be policed of all foreign material after the drilling and completion rigs are moved off. All trash will be burned or buried. The reserve pit will be backfilled and reseeded.

8. Ancillary Facilities

Not applicable

9. Wellsite Layout

- A. The surface at the location is flat. It will be necessary to doze up the location from the sides to about 18 inches height. The location will then be covered with sand from the bank right to North of the access road. A barb wire fence is located on the East of the location. It will be necessary to move this fence.
- B. The layout of the rig is shown on Exhibit "E".
- C. The rig orientation, parking areas and entrance of access road are shown on Exhibit "E".
- D. The reserve pit will be lined if necessary. The water disposal pit will be lined if the well produces over 5 BWPD or the water will be contained in welded steel or fiberglass storage tanks.

E. The location of the production facilities is shown on Exhibit "D" attached.

10. Plans for Restoration of Surface

- A. The reserve pit will be backfilled and recontoured to the original contour as closely as practical and the topsoil replaced. The location will be leveled and topsoil replaced. All foreign material will be buried in the reserve pit in accordance with BLM requirements.
- B. The topsoil will be replaced and reseeded to native grasses according to the BLM's specifications on all the unused portions of the location and all of the reserve pit. In case of a dryhole, the road will be reseeded.
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- E. The reserve pit will be backfilled just as soon as it dries up enough and the weather permits. The location will be leveled as soon as the rig moves off if the well is plugged and abandoned or after production operations are suspended if the well is a producer. The topsoil will be replaced and the location will be reseeded when the weather is right after the location is restored.
- F. The well is planned to be drilled during May, if a rig is available. The rehabilitation operations should be completed by early fall.

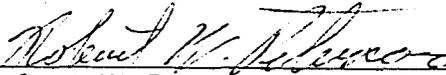
11. Other Information

- A. The topography in the general area is rough but this location is on a flat flood plain. The soil should be easy to doze. The surface at this location is about 60 percent bare, 30 percent salt cedar brush, 5 percent broom snake weed, 2 percent native grasses, 2 percent low growing weeds and 1 percent Russian thistle. This well will be spudded in the Morrison formation.
- B. The surface is very arid and the only thing the land could be used for is sheep or cattle grazing. The surface is owned by the Federal Government.
- C. No occupied buildings, historical sites, cultural sites or archaeological sites are evident from inspecting this location or the access roads. Since the location is on the flood plain an archaeological ruin would be covered or carried away by flood waters.

12. Lessee's or Operator's Representative

The Operator's field representative who will be responsible for compliance with the Surface Use and Operations Plan is Robert W. Peterson. Mr. Peterson can be reached by telephone at (303) 861-2470. If Mr. Peterson cannot be reached, Mr. John Steele will be responsible for compliance. Mr. Steele can be reached by telephone at (303) 355-1422.

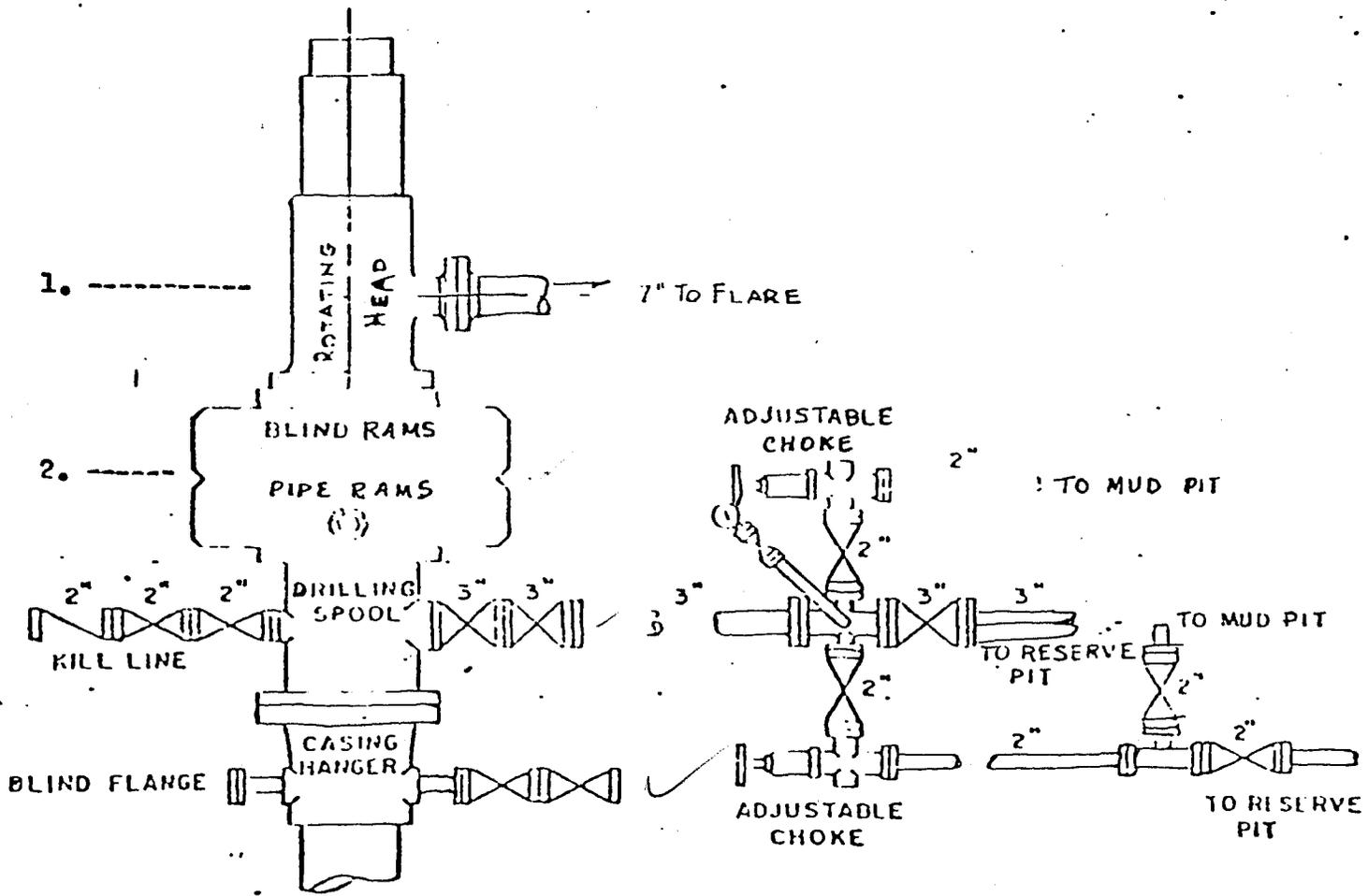
13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated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


Robert W. Peterson, Petroleum Engineer

Dated: April 15, 1980

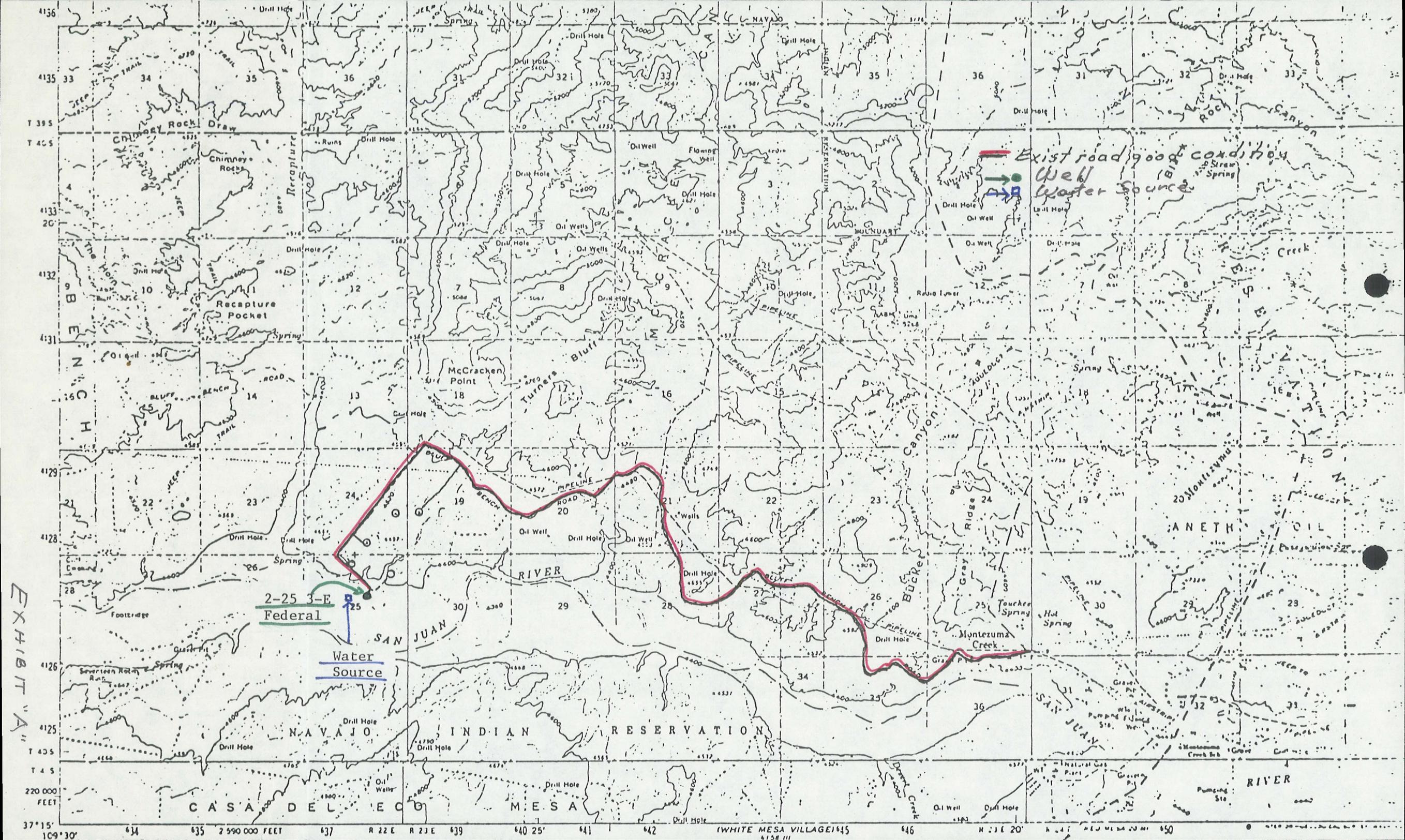
RWP:ss

Attachments



1. Shaffer Type 51 Rotating Head

2. Shaffer 12" 900 Series Type 48 Double Hydraulic



Exist road good condition
Well
Water Source

2-25 3-E
Federal

Water Source

EXHIBIT "A"

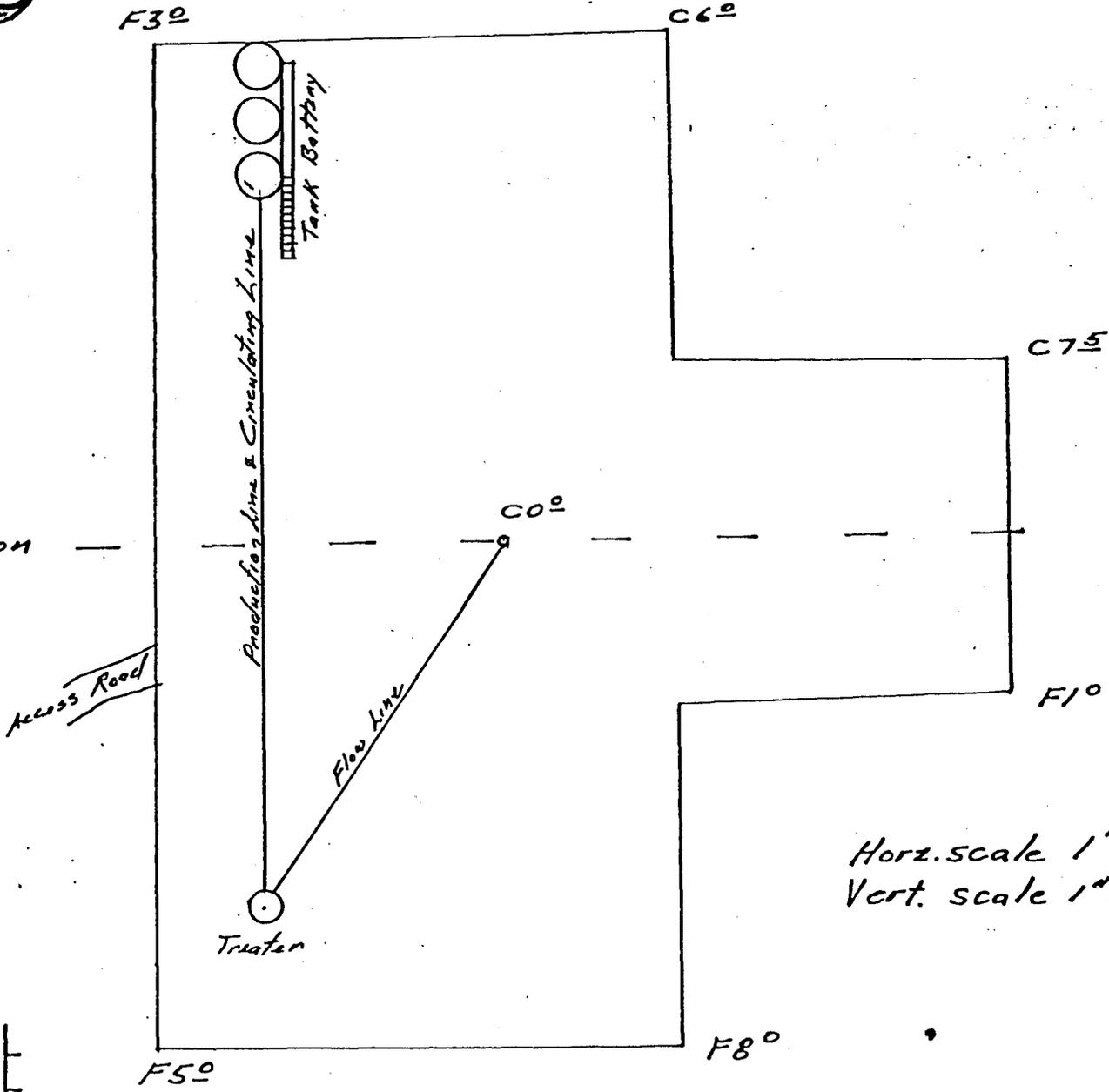
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POWERS ELEVATION COMPANY, INC.



X-Section



Horz. scale 1" = 50'
Vert. scale 1" = 5'

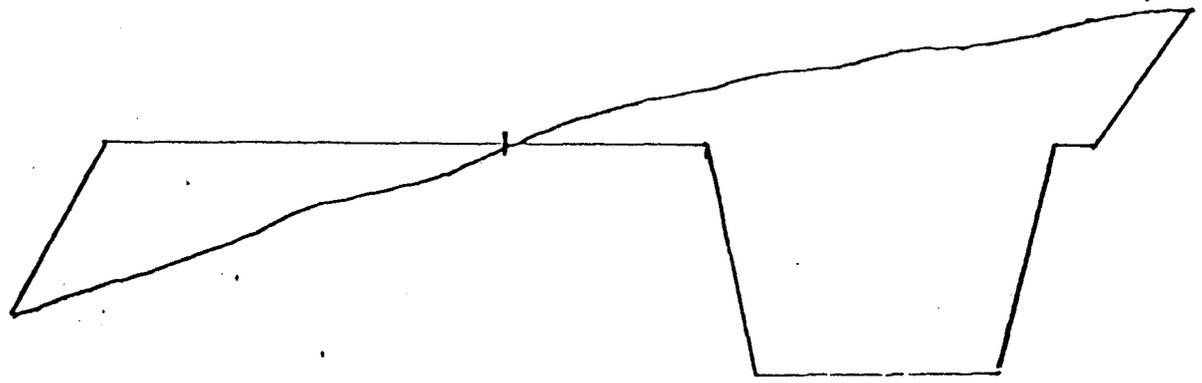
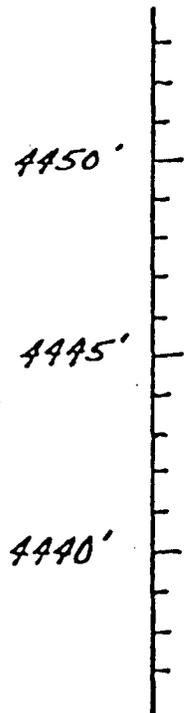
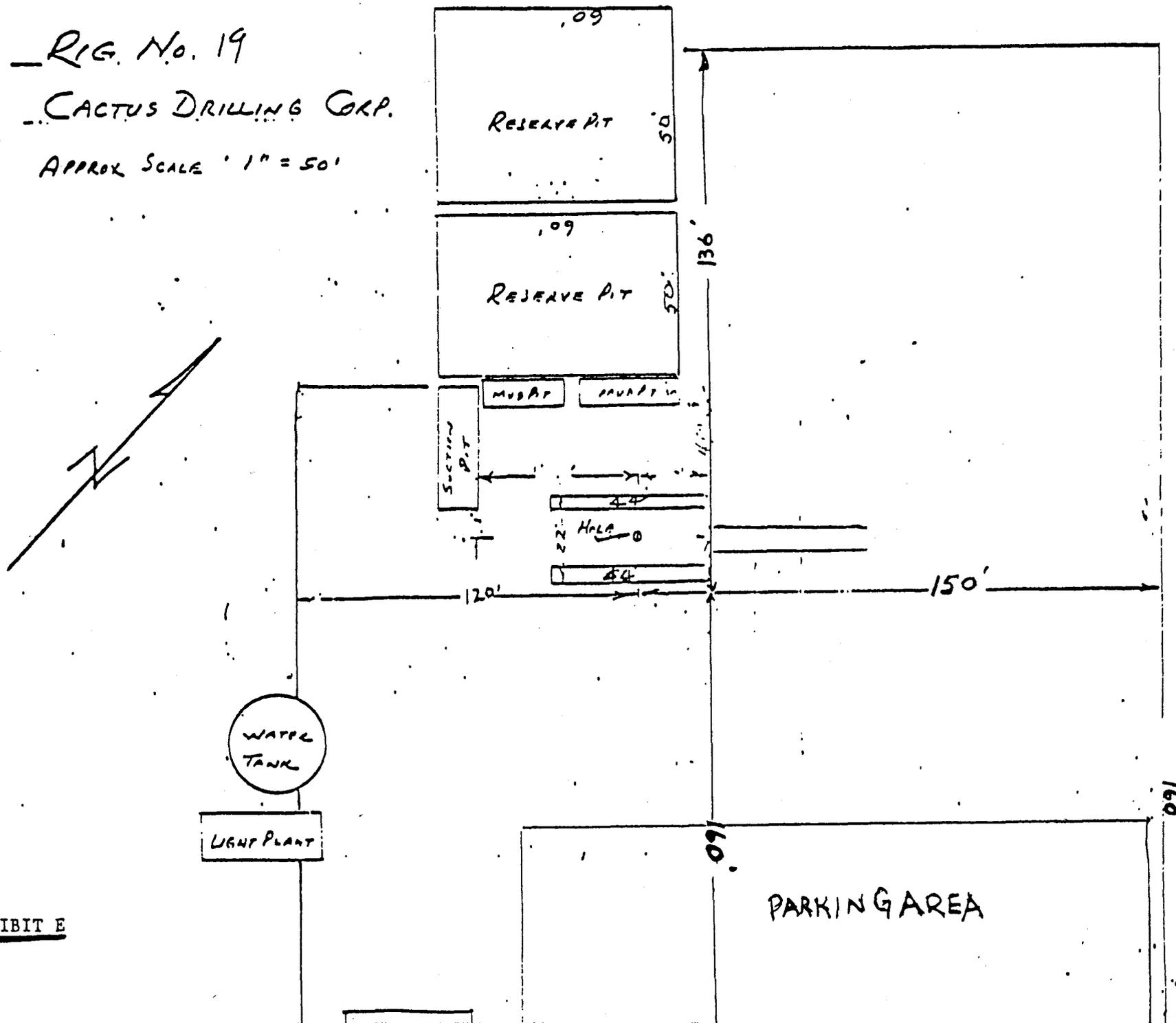


Exhibit 'D'

RIG No. 19

CACTUS DRILLING CORP.

APPROX SCALE 1" = 50'





United States Department of the Interior

IN REPLY REFER TO

T40SR22E Sec. 25
(U-069)

BUREAU OF LAND MANAGEMENT

Moab District
San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

November 20, 1981

Memorandum

To: USGS, Durango, CO

From: Area Manager, San Juan

Subject: William Whitley's APD for Federal Well No. 2-25 3E

We concur with approval of the Application for Permit to Drill, provided the amendments to the Surface Use Plan stated in the original concurrence memorandum dated April 29, 1980 are included in the approval. (attached).

The archaeological requirement has been fulfilled. No threatened or endangered species are indicated in the area.

Opal Redshaw

ACTING

RECEIVED

NOV 23 1981

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-18433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
3-E Federal

9. WELL NO.
2-25

10. FIELD AND POOL, OR WILDCAT
Turner Bluff

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
Sec. 25-T40S-R22E

COUNTY OR PARISH | 13. STATE
San Juan | Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
November 15, 1981

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DIVISION OF
DEC 07 1981

12. TYPE OF WORK
DRILL DEEPEN PLUG BACK

13. TYPE OF WELL
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
WILLIAM W. WHITLEY

3. ADDRESS OF OPERATOR
1600 Broadway, Suite 1705, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1875' FNL & 1960' FEL (SW/4 NE/4)
At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10.2 miles SE of Bluff, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) ' 670'

16. NO. OF ACRES IN LEASE
570.25

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1559'

19. PROPOSED DEPTH
5650'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4358' G.L.

22. APPROX. DATE WORK WILL START*
November 15, 1981

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 17 1/2" | 13-3/8" | 48 | 120' | 150 sx - circ |
| 12 1/2" | 8-5/8" | 24 | 1100' | 550 sx - circ |
| 7-7/8") | 5 1/2" | 14 | 5650' | 150 sx |
| 7-7/8") OR | 4 1/2" | 10.5 | 5650' | 150 sx |

- The well will be spudded in the Morrison Formation.
- The estimated tops of important geological formations are as follows:

| | | | |
|-----------|-------|--------------|-------|
| Entrada | 150' | Moenkope | 2042' |
| Carmel | 200' | Cutler | 2277' |
| Navajo | 258' | Hermosa | 4247' |
| Kayenta | 748' | Ismay | 5153' |
| Wingate | 825' | Lower Ismay | 5275' |
| Chinle | 1225' | "C" Shale | 5335' |
| Shinarump | 1982' | Desert Creek | 5380' |

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 William Whitley TITLE Operator DATE October 30, 1981
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] for E. W. Guynn
CONDITIONS OF APPROVAL, IF ANY: TITLE District Oil & Gas Supervisor DATE DEC 04 1981

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

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

State O & G

Identification No. 040-82

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

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator William W. Whitley

Project Type single zone developmental oil well

Project Location 1875' FNL/1960' FEL, sec. 25, T. 40 S., R. 22 E., San Juan County, Utah

Well No. 2-25 Federal ^{3E} Lease No. U-18433

Date Project Submitted 11-2-81

FIELD INSPECTION

Date April 24, 1980

Field Inspection Participants

Bill Whitley/Bob Peterson - William W. Whitley

Dean McClellan - McDonald Construction Co.

Rodger Van Aurdal - Bureau of Land Management

Don Englishman/Carl Barrick - U.S. Geological Survey

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

November 24, 1981
Date Prepared

Don Englishman
Environmental Scientist

I concur

NOV 30 1981
Date

W. Martus
District Supervisor

FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

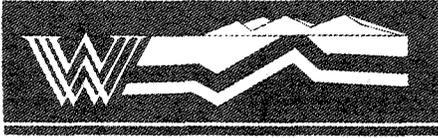
| Criteria 516 DM 2.3.A | Federal/State Agency | | | Local and private correspondence (date) | Previous NEPA | Other studies and reports | Staff expertise | Onsite inspection (date) | Other |
|--|--------------------------|-----------------------|-------------------|--|---------------|--|-----------------|-----------------------------|----------------------|
| | Correspondence (date) | Phone check (date) | Meeting (date) | | | | | | |
| 1. Public health and safety | | | | | | ✓ 4 | ✓ | | |
| 2. Unique characteristics | | | | | | EA # 220-80 (FARMINGTON) May 2, 1980 ✓ 8 | ✓ | | Ryan River Floodplai |
| 3. Environmentally controversial | | | | | | | ✓ | | |
| 4. Uncertain and unknown risks | | | | | | | ✓ | | |
| 5. Establishes precedents | | | | | | | ✓ | | |
| 6. Cumulatively significant | | | | | | | ✓ | | |
| 7. National Register historic places | ✓ 1 | | | | | | | | |
| 8. Endangered/threatened species | ✓ 1 | | | | | | | | |
| 9. Violate Federal, State, local, tribal law | | | | | | ✓ 4 | ✓ | | |

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application for Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. Environmental Assessment, May 2, 1980
(Farmington, New Mexico, USCS EA # 220-80)

Remarks:

No changes made in APD as submitted.



Place in well file

ML

william w. whitley
1705 colorado state bank building
1600 broadway
denver · colorado · 80202
phone (303) 861-2469

December 9, 1981

State of Utah
Division of Oil, Gas and Mining
1588 West, North Temple
Salt Lake City, Utah

Attn: Mr. Michael T. Minder

Re: 2-25 3-E Federal well
TURNER BLUFF AREA
SW NE Section 25-40S-22E
San Juan County, Utah

Dear Mr. Minder:

We have not yet received a reply to our letter of October 30, 1981 with which we enclosed a copy of the Application for Permit to Drill the captioned well. We have received approval from the U.S.G.S.

Can we assume that your prior approval of this location dated April 15, 1980 giving the proposed 2-25 3-E Federal well an API number of 43-037-30546 remains in effect? Please let us know as soon as possible since we plan to spud this well the end of this month.

Very truly yours,

William W. Whitley
William W. Whitley

/ss

RECEIVED
DEC 14 1981

DIVISION OF
OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: William W. Whiteley

WELL NAME: 2-25 3E Federal

SECTION SWNE 25 TOWNSHIP 40S RANGE 22E COUNTY San Juan

DRILLING CONTRACTOR Baliff

RIG # 5

SPUDED: DATE 1-11-82

TIME 3:00 PM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Sally Scheiman

TELEPHONE # 303-861-2469

DATE January 12, 1982

SIGNED AS

NOTICE OF SPUD

Company: William Whitley

Caller: Sally Shiman

Phone: _____

Well Number: #2-25 3E Federal

Location: Sec. 25-40S-22E

County: San Juan State: Utah

Lease Number: U-18433

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 1-11-82 3:00 PM

Dry Hole Spudder/Rotary: Rotary

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: #5 - Ayless Drilling

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: Diane

Date: 1-12-82

RECEIVED
JAN 14 1982
DIVISION OF
OIL, GAS & MINING

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT **TRIPPLICATE***
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R-2

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.)

| | |
|--|---|
| <p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR William W. Whitley</p> <p>3. ADDRESS OF OPERATOR 1600 Broadway, Suite 1705, Denver, CO 80202</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1875' FNL, 1960' FEL (SW NE)</p> <p>14. PERMIT NO. 43-037-30546</p> | <p>5. LEASE DESIGNATION AND SERIAL NO. U-18433</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Federal</p> <p>9. WELL NO. 2-25 3-E</p> <p>10. FIELD AND POOL, OR WILDCAT Turner Bluff</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 25-40S-22E</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p> |
| <p>15. ELEVATIONS (Show whether DF, RT, CR, etc.) 4358 GL</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"/> | FULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| KHOOT 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 type="checkbox"/> | (Other) <u>Spudding info</u> <input checked="" type="checkbox"/> | |

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

17. DESCRIBE PROMISED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting 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.)*

Well spudded @ 3:00 P.M., January 11, 1982.
Casing & cementing details unavailable when oral report made are as follows:

31 jts, 1245' of 8-5/8", 24 lb., K-55, 8rd th, R-3, ST&C New casing cemented at 1241' KB as follows:

530 sx Howes Lite w/10 lb. Gilsonite & 1/4 lb. Floseal, 150 sx Reg. w/10 lbs/sk Gilsonite & 1/4 lb. Floseal/sk. Tailed in with 70 sx Calseal.

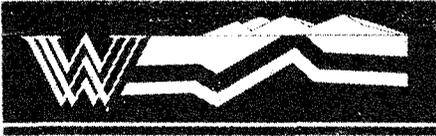
18. I hereby certify that the foregoing is true and correct

SIGNED *Robert W. Peterson* TITLE Petroleum Engineer DATE 1-15-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



william w. whitley
1705 colorado state bank building
1600 Broadway
denver · colorado 80202
phone (303) 861-2469

RECEIVED
JAN 20 1982
DIVISION OF
OIL, GAS & MINING

January 15, 1982

U. S. G. S.
1745 W. 1700 S., Suite 2000
Salt Lake City, Utah 84104

DIVISION OF OIL, GAS AND MINING
1588 West, North Temple
Salt Lake City, Utah 84116

Re: #2-25 3-E Federal well
TURNER BLUFF
SW NE Section 25-40S-22E
San Juan County, Utah

Gentlemen:

Enclosed are the required number of copies of a Sundry Notice containing the casing and cementing details for the above referenced well. This information was not available when we made the oral report of spudding on January 12th.

Very truly yours,

Sally Scheiman
Sally Scheiman

/ss
enclosures

2

RECEIVED

FEB 02 1982

**DIVISION OF
OIL, GAS & MINING**

W. W. WHITLEY
2-25 3-E FEDERAL
SEC. 25-40S-22E
SAN JUAN CO., UTAH

SMITH MUD LOGGING
352-2275 ROAD
DELTA, COLORADO 81416
PH: (303) 874-7451

W. W. WHITLEY
2-25 3-E FEDERAL
SEC. 25-40S-22E
SAN JUAN CO., UTAH

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| 1. SUMMARY OF DAILY ACTIVITY | 1 |
| 2. BIT RECORD SHEET | 2 |
| 3. DEVIATION RECORD SHEET | 3 |
| 4. DST & SHOW SHEETS | 4-5 |

- (1) FINAL-COPY MUD LOG (5"=100')
- (1) FINAL-COPY MUD LOG (2.5"=100')

DRILLING CONTRACTOR: BAYLESS DRILLING RIG #5
FARMINGTON, NEW MEXICO

DRILLING FOREMAN: MR. JOHN STEELE

PUSHER: MR. ABEL LOBATO

GEO TECHNOLOGISTS: MR. SCOTT FOSTER
MRS. ALICE FOSTER

DRILLING FLUID: MR. ED McDANIAL
AMERICAN MUD
DENVER, COLORADO

DRILL STEM TESTS: TEST #1-MR. DAVE DAVIS
TEST #2-MR. GARY HOBBS
HALLIBURTON

GEOLOGISTS: MR. HAROLD H. BROWN
BOX 94
FARMINGTON, NEW MEXICO 87401

SMITH MUD LOGGING
 352-2275 ROAD
 DELTA, COLORADO 81416
 PH: (303) 874-7451

COMPANY: W. W. WHITLEY
 WELL: 2-25 3-E FEDERAL

SUMMARY OF DAILY ACTIVITY

| DATE | ACTIVITY | MIDNITE DEPTH | 24 HOUR FOOTAGE |
|---------|--|------------------|--------------------|
| 1-18-82 | Unit#1885 on location, rigged up 8:00 P.M. | - | - |
| 1-19-82 | Drilling | 3998 | 352 |
| 1-20-82 | Drilling, Survey, TOH NB#5 | 4350 | 335 |
| 1-21-82 | Drilling, repair wt. indicator | 4685 | 367 |
| 1-22-82 | Drilling, Survey | 5052 | 244 |
| 1-23-82 | Drilling to 5300, Show#1, DST#1, TOH NB#6 | 5296 | 4 |
| 1-24-82 | DST#1 | 5300 | 130 |
| 1-25-82 | Drilling, TOH NB#7 | 5430 | 0 |
| 1-26-82 | DST, TOH, TIH Drilling | 5430 | 0 |
| | Unit#1885 released, rigged down | | |

SMITH MUD LOGGING
352-2275 ROAD
DELTA, COLORADO 81416
PH: (303) 874-7451

COMPANY: W. W. WHITLEY
WELL: 2-25 3-E FEDERAL

BIT RECORD

| BIT# | MAKE | SIZE | TYPE | DEPTH OUT | FOOTAGE USED | HOURS |
|------|-------|-------|------|--------------|-----------------|--------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | Smith | 7 7/8 | F-3 | 4350 | 2139 | 74 1/4 |
| 5 | Smith | 7 7/8 | F-3 | 5203 | 868 | 54 3/4 |
| 6 | Smith | 7 7/8 | F-3 | 5430 | 227 | 15 1/2 |
| 7 | Smith | 7 7/8 | A-1 | 5430 | | |

SMITH MUD LOGGING
352-2275 ROAD
DELTA, COLORADO 81416
PH: (303) 874-7451

COMPANY: W. W. WHITLEY
WELL: 2-25 3-E FEDERAL

DEVIATION RECORD SHEET

| DEPTH | DEVIATION |
|-------|-----------|
| 470 | 0 3/4 |
| 854 | 0 1 |
| 1250 | 0 1 |
| 1591 | 0 1.5 |
| 1991 | 0 1.25 |
| 2139 | 0 1.75 |
| 2541 | 0 1.75 |
| 3157 | 0 .5 |
| 3554 | 0 1 |
| 3945 | 0 1.5 |
| 4350 | 0 .5 |
| 4745 | 0 .5 |

SMITH MUD LOGGING
DST & SHOW SHEET

SHOW #1 INTERVAL 5284 TO 5296
 COMPANY: W. W. WHITLEY
 WELL: 2-25 3-E FEDERAL
 FIELD: TURNER BLUFF FIELD

DATE: 1-23-82

| | BEFORE SHOW | DURING SHOW | AFTER SHOW |
|-----------------|-------------|-------------|------------|
| DRILLING RATE | 5min./ft. | 1.5min./ft. | 3min./ft. |
| TOTAL GAS UNITS | 2 | 16 | 5 |
| %METHANE | 0 | .2 | 0 |
| %ETHANE | 0 | .05 | 0 |
| %PROPANE | 0 | .02 | 0 |
| %BUTANE (ISO) | 0 | 0 | 0 |
| %BUTANE (NORM) | 0 | 0 | 0 |
| %PENTANES | 0 | 0 | 0 |

SAMPLE LITHOLOGY LS light gry-gry, slty mica incl con wh vf gr
 w sort calc cmt, intrcrxn poro, p-fair

SAMPLE FLUO-CUT exclnt yel fluo 70%, v gd cut

DST #1 INTERVAL 5250 TO 5300

| | TIME | PRESSURE (psi) | | |
|---------------------|----------|----------------|-----|-------------|
| INITIAL HYDROSTATIC | - | Top-2485 | | Bottom-2539 |
| INITIAL OPEN | 30 MIN. | 54 | 82 | 54 109 |
| INITIAL SHUT-IN | 60 MIN. | 95 | | 972 |
| SECOND OPEN | 120 MIN. | 82 | 163 | 136 190 |
| SECOND SHUT-IN | 180 MIN. | 1431 | | 2521 |
| FINAL HYDROSTATIC | - | 2485 | | 2521 |

BHT (F.): 126

1ST FLOW: Very weak blow throughout

2nd FLOW: Very weak blow throughout

WT. R/W NITRATES CHLORIDES CHROMATES
 ppm ppm ppm

RECOVERY:

| | | | |
|-------------|--------------------------|-----|-----------|
| DRILL PIPE: | top: 1.0 at 66 deg. F | N/A | 3939.39 |
| | middle: | N/A | |
| | bottom: .12 at 58 deg. F | | 45454.543 |

SAMPLE CHMBR: 250 PSI 1/10 CFG 500 CC OIL 1800cc wcm 45454.543

PIT MUD: 9.3 .97 at 60 deg. F

(GAUGED FLOW:)

GEO TECHNOLOGIST: SCOTT FOSTER

SMITH MUD LOGGING
DST & SHOW SHEET

SHOW #2 INTERVAL 5412 TO 5421
 COMPANY: W. W. WHITLEY
 WELL: 2-25 E-E FEDERAL
 FIELD: TURNER BLUFF FIELD

DATE: 1-24-82

| | BEFORE SHOW | DURING SHOW | AFTER SHOW |
|-----------------|-------------|-------------|------------|
| DRILLING RATE | 7min./ft. | 1.5min./ft. | 3min./ft. |
| TOTAL GAS UNITS | 5 | 40 | 5 |
| %METHANE | 0 | .5 | 0 |
| %ETHANE | 0 | .08 | 0 |
| %PROPANE | 0 | .05 | 0 |
| %BUTANE (ISO) | 0 | 0 | 0 |
| %BUTANE (NORM) | 0 | 0 | 0 |
| %PENTANES | 0 | 0 | 0 |

SAMPLE LITHOLOGY 100% Limestone, white-grey, firm, silty with a trace of vuggy, intercrystalline porosity

SAMPLE FLUO-CUT 80% yellow fluorescence-poor slow cut

DST #2 INTERVAL 5380 TO 5430

| | TIME | PRESSURE (psi) | | |
|---------------------|----------|----------------|-------------|----------|
| INITIAL HYDROSTATIC | - | Top-2674 | Bottom-2973 | |
| INITIAL OPEN | 30 MIN. | 393 | 972 | 543 945 |
| INITIAL SHUT-IN | 60 MIN. | 1756 | | 1637 |
| SECOND OPEN | 120 MIN. | 501 | 1620 | 542 1485 |
| SECOND SHUT-IN | 180 MIN. | 1728 | | 1637 |
| FINAL HYDROSTATIC | - | 2580 | | 2729 |

BHT (F.): 130

1ST FLOW: open tool blew water out of bucket

2nd FLOW: 1/4 check, 27 PSI up to 325 oil

WT. R/W NITRATES CHLORIDES CHROMATES
 ppm ppm ppm

RECOVERY:

DRILL PIPE: top: 9.25 at 58 deg. F
 middle: 1.035 at 61.9 deg. F
 bottom: (45 bbis gas cut oil)

SAMPLE CHMR: 1.006 at 58.5 deg. F

PIT MUD: 9.3 .98

(GAUGED FLOW:)

GEO TECHNOLOGIST: SCOTT FOSTER

william w. whitley
1705 colorado state bank building
1600 broadway
denver · colorado · 80202
phone (303) 861-2469

February 8, 1982

U. S. G. S.
1745 W. 1700 South, Suite 2000
Salt Lake City, Utah 84104

Re: #2-25 3-E Federal well (TIGHT HOLE)
Turner Bluff Area
SW/ NE/4 Section 25-40S-22E
San Juan County, Utah
Lease U-18433

Gentlemen:

Enclosed herewith are three copies of the Notice of Intention to move on completion rig and Subsequent Notice of moving on of completion rig, together with two copies of Form 9-329, Monthly Report of Operations for January, 1982 on the referenced well. Please note that this is a tight hole.

If there is any further information you need, please let us know.

Very truly yours,

Sally Scheiman

/ss
enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42-R1424

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
William W. Whitley

3. ADDRESS OF OPERATOR
1600 Broadway, Suite 1705, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1875' FNL, 1960 FEL (SW NE)

14. PERMIT NO.
43-037-30546

15. ELEVATIONS (Show whether DF, RT, CR, etc.)
4358' GL

5. LEASE DESIGNATION AND SERIAL NO.
U-18433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
2-25 3-E

10. FIELD AND POOL, OR WILDCAT
Turner Bluff

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 25-40S-22E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | FULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| KHOOT 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 type="checkbox"/> | (Other) <u>Move on Completion Unit</u> <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.)*

Moving on NL Well Service Completion Unit.

TIGHT HOLE

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

SIGNED William W. Whitley TITLE: Petroleum Engineer DATE 2-8-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

FILE IN TRIPLICATE
FORM OGC-8-X

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

RECEIVED
FEB 22 1982

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number #2-25 3-E Federal
Operator William W. Whitley Address 1600 Broadway, Suite 1705
Denver, CO 80202
Contractor Bayless Drilling Company Address Farmington, New Mexico
Location SW 1/4 NE 1/4 Sec. 25 T. 40S R. 22E County San Juan

Water Sands

| | <u>Depth</u> | | <u>Volume</u> | <u>Quality</u> |
|----|-------------------|---------------|--------------------------|-----------------------|
| | <u>From</u> | <u>To</u> | <u>Flow Rate or Head</u> | <u>Fresh or Salty</u> |
| 1. | <u>230'</u> | <u>- 744'</u> | <u>19,000 bbls/day</u> | <u>fresh</u> |
| 2. | <u>2300' est.</u> | | <u>25 bbls/day</u> | <u>salty</u> |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |

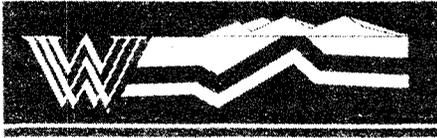
(Continue on reverse side if necessary)

Formation Tops

Navajo Sandstone 249' - 745'
DeChelly Sandstone 2288' - 2325'

Remarks

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



william w. whitley
1705 colorado state bank building
1600 broadway
denver · colorado · 80202
phone (303) 861-2469

March 9, 1982

Confidential

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

Attn: Carrie Furse

Re: 2-25 3-E Federal well
Turner Bluff Area
SW/4 NE/4 Section 25-40S-22E
San Juan County, Utah

Dear Ms. Furse:

In response to our telephone conversation today, this is a request that the above well be considered a TIGHT HOLE. Enclosed are copies of the Sundry Notices and transmittal letters where the well being Tight is mentioned. You don't have them on file because they were not sent to your office! Apologies.

As for the log you called about, only the cased hole Compensated Neutron log was run and you should have received a copy. We are sending the film to Schlumberger today and they will make two copies and send them to you.

If you need any further informtion, please do not hesitate to call.

Very truly yours,

Sally Scheiman

Sally Scheiman

/ss
enclosures

RECEIVED
MAR 12 1982

**DIVISION OF
OIL, GAS & MINING**

William W. Whitley
1705 Colorado State Bank Building
1600 Broadway
Denver, Colorado 80202
Phone (303) 861-2469

February 18, 1982

U.S.G.S.
1745 W. 1700 South, Suite 2000
Salt Lake City, Utah 84104

Attn: Mr. Martins

Re: #2-25 3-E Federal well (TIGHT HOLE)
Turner Bluff Area
SW/4 NE/4 Section 25-40S-22E
San Juan County, Utah
Lease U-18433

RECEIVED

MAR 12 1982

**DIVISION OF
OIL, GAS & MINING**

Gentlemen:

Enclosed are three copies of the Sundry Notice of Intention to Change Plans on the referenced well. It is my understanding that, as per my telephone conversation with Mr. Brian Woods of the BLM in Monticello, Utah today, that you have given verbal approval to proceed with construction of the tank battery at the well location.

If you have any questions about our operation, please advise.

Very truly yours,

William W. Whitley
William W. Whitley

WWW:ss
enclosures

cc: Don Englishman - Durango
BLM - Monticello

UNITED STATES
DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

U-18433

SUNDRY NOTICES AND REPORTS

(Do not use this form for proposals to drill, to open or plug back to surface, or to install a reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

1. OIL WELL GAS WELL OTHER

MAR 12 1982

8. FARM OR LEASE NAME

2. NAME OF OPERATOR
William W. Whitley

DIVISION OF

Federal

3. ADDRESS OF OPERATOR
1600 Broadway, Suite 1705, Denver, CO 80202

OIL, GAS & MINING

9. WELL NO.

2-25 3-E

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

1875' FNL, 1960' FEL (SW/4 NE/4)

10. FIELD AND POOL, OR WILDCAT

Turner Bluff

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

25-40S-22E

14. PERMIT NO.
43-037-30546

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4358 GR

12. COUNTY OR PARISH 13. STATE
San Juan Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

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

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

The production tank battery consisting of four 400-barrel tanks will be located approximately 500' northeast of the #2-25 3-E Federal well. The site will provide a turn-around for tanker truck loading of crude oil. Access to the tank battery will be by existing roads (see attached map). The treater and salt water pit will be located on the northeast edge of the well pad. Flow lines will extend from the wellhead through the treater to the tank battery and will be buried at an appropriate depth.

The original APD provided for location of the tank battery on the site of the #1-25 3-E Federal well. However, in consultation with Mr. Paul Happel, BLM, Monticello, Utah, in the field on 2/10/82, it was decided that the proposed site described above would be more appropriate. On 2/17/82 Mr. Ed Huber, archeologist, cleared a 150' x 150' site for construction of the tank battery; however, we anticipate that the tank battery will occupy a smaller area. Mr. Huber is preparing a report for transmittal to the BLM in Monticello.

TIGHT HOLE

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

SIGNED

William Whitley

TITLE

Operator

DATE

2/18/82

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

william w. whitley
1705 colorado state bank building
1600 broadway
denver · colorado · 80202
phone (303) 861-2469

March 16, 1982

U. S. G. S.
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

Re: William W. Whitley
2-25 3-E Federal well
Turner Bluff Prospect
Section 25-T40S-R22E
San Juan County, Utah

Gentlemen:

Enclosed are three copies of a Sundry Notice of Tying Into Gathering System on the referenced well.

Please note this well is still a tight hole.

Very truly yours,



Sally Scheiman

/ss
enclosures

cc: State of Utah Div. of Oil, Gas & Mining

RECEIVED
MAR 30 1982

DIVISION OF
OIL, GAS & MINING

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

| | | |
|--|--|---|
| SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small> | | 5. LEASE DESIGNATION AND SERIAL NO. U-18433 |
| 1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| 2. NAME OF OPERATOR William W. Whitley | | 7. UNIT AGREEMENT NAME |
| 3. ADDRESS OF OPERATOR 1600 Broadway, Suite 1705, Denver, CO 80202 | | 8. FARM OR LEASE NAME Federal |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1875' FNL & 1960' FEL | | 9. WELL NO. 2-25 3-E |
| 14. PERMIT NO. 43-037-30546 | | 10. FIELD AND POOL, OR WILDCAT Turner Bluff |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4358 GR | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 25-40 S-22E |
| 12. COUNTY OR PARISH San Juan | | 13. STATE Utah |

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

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

The #2-25 3-E Federal well was tied into the El Paso Natural Gas Co.'s gathering system and gas first went into the line March 10, 1982.

TIGHT HOLE.

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

SIGNED William W. Whitley TITLE: Operator DATE 3/15/82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

william w. whitley
1705 colorado state bank building
1600 broadway
denver · colorado · 80202
phone (303) 861-2469

RECEIVED

APR 19 1982

DIVISION OF
OIL, GAS & MINING

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

Re: #2-25 3-E Federal
TURNER BLUFF AREA
Section 25-T40S-R22E
San Juan County, Utah

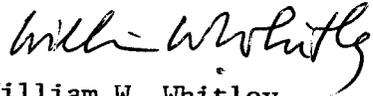
Gentlemen:

Enclosed are two copies of the Well Completion Report and Log on the referenced well together with two copies of the Geologist's Report.

Please note this is a Tight Hole. Please keep this information confidential.

If there is any further information you need, please let us know.
We believe all other material has been forwarded to you.

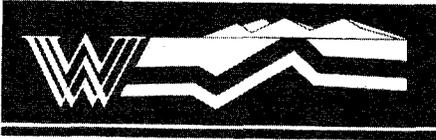
Very truly yours,


William W. Whitley

/ss
Enclosures

cc: Division of Oil, Gas & Mining, State of Utah





M
william w. whitley
1705 colorado state bank building
1600 broadway
denver · colorado · 80202
phone (303) 861-2469

October 8, 1982

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

Re: ✓ #2-25 3-E Federal well
Turner Bluff Area
SW NE Section 25-40S-22E
San Juan County, Utah

Gentlemen:

In talking to Mary Alice Peterson regarding other matters relating to our Utah wells, it was mentioned that you were missing a completion report on one of the wells, not specifically named. I believe it might be the captioned as we had previously sent other material on this well to your old address which you did not receive. Therefore, I am enclosing another completion report and geologist's report for your records. If there is anything else that you need to complete your files, please let me know.

Very truly yours,

Sally Scheiman
Sally Scheiman

/ss
enclosures

RECEIVED
OCT 12 1982

DIVISION OF
OIL, GAS & MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. KEERV. Other _____

2. NAME OF OPERATOR
William W. Whitley

3. ADDRESS OF OPERATOR
1600 Broadway, Suite 1705, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1875' FNL, 1960' FEL
At top prod. interval reported below Same
At total depth Same

RECEIVED

067-12-1982

DIVISION OF OIL, GAS & MINING

14. PERMIT NO. 43-037-30546 DATE ISSUED 4-28-80

5. LEASE DESIGNATION AND SERIAL NO.
U-18433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#2-25 3-E

10. FIELD AND POOL, OR WILDCAT
Turner Bluff

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
25-40 S-22E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

15. DATE SPUDDED 1-11-82 16. DATE T.D. REACHED 1-25-82 17. DATE COMPL. (Ready to prod.) March 8, 1982 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4358' GR, 4370' KB 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 5430' 21. PLUG BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY Rotary ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5410-5422' Desert Creek

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
Comp. Neutron log.

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|---|---------------|
| 8-5/8" | 24# | 1241' | 12 1/4" | 530 sx Howco Lite followed by 150 sx reg & 70 sx calseal. | |
| 5 1/2" | 15.5# | 5431' | 7-7/8" | 200 sx Pozmix w/2% gel & 10% NaCl. | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | BACKS CEMENT* | SCREEN (MD) |
|------|----------|-------------|---------------|-------------|
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------------|----------------|-----------------|
| 2-7/8" EUE | 5260' KB | 5267' KB |

31. PERFORATION RECORD (Interval, size and number)
5410-5422' 2 jets/ft=24 holes .34" dia.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 5410-5422' | 1500 gal. 28% MSR |

33. PRODUCTION

DATE FIRST PRODUCTION 3/8/82 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

| DATE OF TEST | HOURS TESTED | CHOKER SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|--------------|--------------|-------------|-------------------------|----------|----------|------------|---------------|
| 3/15/82 | 24 | 14/64" | → | 245 | 125 | None | 510 |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---------------------|-----------------|-------------------------|----------|----------|------------|-------------------------|
| 325 | 0 | → | 245 | 110 | None | 43.0 |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY
Bush Chancy

35. LIST OF ATTACHMENTS
Geologist's Report

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

SIGNED William W. Whitley TITLE Operator DATE April 15, 1982

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

recorded Methane .2%, Ethane .05%, Propane .02%. Since the amount of fluorescence was still maintained at the end of the circulating period it was decided to drill an additional five feet in an attempt to open up more porosity. The circulation samples at 5300' had approximately 10% fluorescence and some poor intercrystalline porosity. Since there was a mud logging show and sample shows it was recommended to test the lower Ismay from 5250' to 5300' to cover all the shows.

DST No. 1 5250' - 5300' (Lower Ismay)

The 1st open period of 30" opened with a weak blow. The 2nd open period of 60" maintained a weak blow throughout. No gas to surface was noted. A total of 307' of fluid was recovered; 183' GCM and 124' G & WCM.

The sample chamber had a total of 2300cc of fluid; 500cc oil, 600cc mud, 1200cc water. Pressure 250#.

| Bottom Chart | | Top Chart | |
|--------------|---------------------|-----------|--------------------|
| 1st | IF - 54/109 (30") | 1st | IF - 54/82 (30") |
| | SI - 972 (60") | | SI - 95 (60") |
| 2nd | FP - 136/190 (122") | 2nd | IF - 82/163 (122") |
| | SI - 1485 (180") | | SI - 1431 (180") |
| | IHH - 2539 | | IHH - 2485 |
| | FHH - 2521 | | FHH - 2485 |

Temperature - 126 @ 5296'. Trip Gas - 405 units total gas.

Fluid Properties

Mud Pit - .97 @ 68° F
 Top Recovery DST - 1.0 @ 66° F. Chlorides - 3939.39ppm
 Bottom Recovery DST - .12 @ 58° F Chlorides - 45,454.545
 Resistivity - .12 @ 58° F.

Desert Creek - Log Top 5350' (-980)

The Desert Creek has a cap of anhydrite in the upper portion and some thin shales. Below this section is a brown and grey limestone interval. A drilling break began at 5412' as follows:

| | |
|-------------------|-----------------------------------|
| 5400' - 01' 4"/ft | 5415' - 16' 2"/ft |
| 5401' - 02' 4"/ft | 5416' - 17' 2"/ft |
| 5402' - 03' 4"/ft | 5417' - 18' 2"/ft |
| 5403' - 04' 3"/ft | 5418' - 19' 2"/ft |
| 5404' - 05' 4"/ft | 5419' - 20' 2"/ft |
| 5405' - 06' 3"/ft | 5420' - 21' 3"/ft |
| 5406' - 07' 4"/ft | 5421' - 22' 4"/ft |
| 5407' - 08' 5"/ft | 5422' - 23' 3"/ft |
| 5408' - 09' 4"/ft | 5423' - 24' 2"/ft |
| 5409' - 10' 3"/ft | 5424' - 25' 2"/ft |
| 5410' - 11' 3"/ft | 5425' - 26' 3"/ft |
| 5411' - 12' 3"/ft | 5426' - 27' 3"/ft |
| 5412' - 13' 2"/ft | 5427' - 28' 3"/ft |
| 5413' - 14' 2"/ft | 5428' - 29' 4"/ft |
| 5414' - 15' 2"/ft | 5429' - 30' 4"/ft Circulated out. |

The samples circulated out at 5430' consisted of Limestone tan, stained light brown, with poor to fair vugular porosity; leached fossil frags, algal(?) frags; 80% of samples with bright yellow fluorescence, excellent blooming cut. The mud logging unit recorded 40 units of total gas; Methane .5%, Ethane .08%, Propane .05%. In view of these shows a drill stem test was recommended.

DST No. 2 5380' - 5430' Desert Creek

The 1st open period of 30" opened with a strong blow with GTS in 3" and OTS in 21". The 2nd open period flowed oil in 10" and was held open for 60". It was estimated that the well flowed at a rate of 30 BOPH on a 1/4" choke.

The sample chamber recovered 1250cc oil at 1000# pressure.

Bottom Chart

1st
IF - 393.0/1620.3
SI - 1755.5

2nd
FP - 501.4/1620.3
SI - 1728.4
IHH - 2674.4
FHH - 2579.8

Top Chart

1st
IF - 542.9/945.1
SI - 1636.5

2nd
FP - 1741.9/1485.2
SI - 1636.5
IHH - 2972.9
IHH - 2729.0

Temperature 130 degrees.

STRUCTURE

Comparison is made with three nearby wells drilled by Whitley.

| | <u>2-25-3E</u> | <u>1-25 Kirkwood</u> | <u>1-24 Kirkwood</u> | <u>1-25-3E</u> |
|-----------------------------|----------------|----------------------|----------------------|----------------|
| Upper Ismay | 5144(-774) | 5218(-749) | 5255(-786) | 5242(-786) |
| Lower Ismay | 5271(-901) | 5340(-872) | 5378(-909) | 5361(-905) |
| Porosity | 5288(-918) | 5344(-876) | None | 5375(-919) |
| Base L. Ismay | 5310(-940) | 5398(-929) | 5523(-954) | 5424(-968) |
| Desert Creek | 5350(-980) | 5442(-973) | 5470(-1001) | 5468(-1012) |
| Porosity | 5410(-1040) | 5500(-1032) | 5524(-1055) | 5522(-1066) |
| Base Des. Crk. Not reached. | | 5546(-1077) | 5574(-1105) | 5570(-1114) |

The last drill bit was not retrieved after it had backed off the drill string. Also the intermediate string had collapsed slightly preventing pulling the bit back through the casing. The bit was pushed to bottom and 5 1/2" production casing was run to total depth at 5430'. Only a cased hole log was run and it was used for formation tops and porosity.

Completion perforations should be made in the interval 5410-5422'.

HAROLD H. BROWN

Consultant in Petroleum Geology

POST OFFICE BOX NO. 94 • PETROLEUM PLAZA BLDG.
FARMINGTON, NEW MEXICO 87401

William W. Whitley
2-25 3E Federal
1875' NL & 1960' EL
Sec. 25, T40S - R22E
San Juan County, Utah.

ELEVATIONS: 4358' GR. 4370' DF. 4371' KB.

DRILLING CONTRACTOR: Bayless Drilling, Farmington, New Mexico.
Rig No. 5.

GEOLOGIST: Harold H. Brown, Farmington, New Mexico.

DRILLING FOREMAN: John Steele, Denver, Colorado.

MUD COMPANY: American Mud, Cortez, Colorado.

DIRT CONTRACTOR: Perry McDonald, Cortez, Colorado.

WATER HAULING: Bob Wright, Cortez, Colorado.

MUD LOGGING: Smith Mud Logging, Delta, Colorado.

WIRE LINE LOGGING: Schlumberger, Farmington, New Mexico.

CASING: Set 8 5/8" @ 1245' w/750 sx.

TOTAL DEPTH: 5430' (Driller).

SPUD DATE: January 11, 1982 at 3:00 p.m.

DATE COMPLETED DRILLING: January 26, 1982.

CORES: None.

DSTs: One in the Lower Ismay and one in the Desert Creek.

After setting surface casing a water flow occurred around the casing that had to be cemented off. Thereafter drilled a 7 7/8" hole with water to approximately 1800' and then converted to Gel-Chem mud to total depth. Water was hauled from the San Juan river a few miles from the location. The Chinle shale caused some drilling problems at about 1700' - 1800' because of the bentonitic nature of the shales. Some delay in drilling to total depth occurred after the second DST when the bit was backed off the drill string and a fishing job ensued.

The wellsite geologist logged samples from 4,000' to total depth and plotted a lithologic log and drill time log. A copy of the log is attached. A mud logging unit was on location from 4000' to total depth and monitored the drilling fluid for total gas and a breakdown of hydrocarbons by chromatograph. A copy of their log will be submitted separately by Smith Mud Logging.

PROSPECTIVE ZONES OF INTEREST

HERMOSA - LOG TOP 4230' (+140)

The Hermosa consists of interbedded clean limestones, sandy limestones, siltstones and shales. The limestones are more sandy in the upper portion where the shales and siltstones are brown or reddish brown in color. As the lower portion is penetrated the shales and siltstones become grey and darker in color. No porosity or shows were observed in the limestone samples or were shows recorded by the mud logging unit. No recommendations were made to test within this section.

UPPER ISMAY - LOG TOP 5144' (-774)

The upper Ismay consists of light grey, tan, brown, dense to finely crystalline limestone with occurrences of fossil fragments and grey, tan and brown chert. Thin grey-green and dark grey shales are interbedded with the limestones. No porosity or shows were observed in the cuttings and no drilling breaks occurred. Shows were not recorded in the mud system by the logging unit and no recommendations were given to test the upper Ismay.

Lower Ismay - Log Top 5271' (-901)

The lower Ismay is a light grey, tan, dense to finely crystalline limestone. Throughout the upper portion traces of bright yellow, or dull gold fluorescence were seen. No porosity was observed with these shows and no gas was noted by the mud logging unit. These shows gave a very faint cut. This interval is probably related to the producing interval in the Whitley 1-25 Kirkwood one half mile to the northwest. While drilling a break began at 5285' that was estimated to be about five feet structurally higher than the producing interval in the Whitley 1-25 3E located less than one half mile to the northeast. The drilling time through this interval of interest is as follows:

| | | | |
|-------------|-------|-------------|-----------------------|
| 5280' - 81' | 5"/ft | 5290' - 91' | 2"/ft |
| 5281' - 82' | 5"/ft | 5291' - 92' | 4"/ft |
| 5282' - 83' | 5"/ft | 5292' - 93' | 3"/ft |
| 5283' - 84' | 5"/ft | 5293' - 94' | 1"/ft |
| 5284' - 85' | 4"/ft | 5294' - 95' | 3"/ft Circulated out. |
| 5285' - 86' | 2"/ft | 5295' - 96' | 6"/ft |
| 5286' - 87' | 1"/ft | 5296' - 97' | 5"/ft |
| 5287' - 88' | 1"/ft | 5297' - 98' | 3"/ft |
| 5288' - 89' | 2"/ft | 5298' - 99' | 1"/ft |
| 5289' - 90' | 5"/ft | 5299' - 00' | 4"/ft Circulated out. |

The samples circulated out at 5295' consisted of Limestone, stained light brown, with poor to fair intercrystalline porosity, bright yellow fluorescence and some tight, grey limestone with no shows. Approximately 60% - 70% of the cuttings had fluorescence. The mud logging unit recorded 16 units of total gas and the chromatograph

recorded Methane .2%, Ethane .05%, Propane .02%. Since the amount of fluorescence was still maintained at the end of the circulating period it was decided to drill an additional five feet in an attempt to open up more porosity. The circulation samples at 5300' had approximately 10% fluorescence and some poor intercrystalline porosity. Since there was a mud logging show and sample shows it was recommended to test the lower Ismay from 5250' to 5300' to cover all the shows.

DST No. 1 5250' - 5300' (Lower Ismay)

The 1st open period of 30" opened with a weak blow. The 2nd open period of 60" maintained a weak blow throughout. No gas to surface was noted. A total of 307' of fluid was recovered; 183' GCM and 124' G & WCM.

The sample chamber had a total of 2300cc of fluid; 500cc oil, 600cc mud, 1200cc water. Pressure 250#.

| Bottom Chart | | Top Chart | |
|--------------|---------------------|-----------|--------------------|
| 1st | IF - 54/109 (30") | 1st | IF - 54/82 (30") |
| | SI - 972 (60") | | SI - 95 (60") |
| 2nd | FP - 136/190 (122") | 2nd | IF - 82/163 (122") |
| | SI - 1485 (180") | | SI - 1431 (180") |
| | IHH - 2539 | | IHH - 2485 |
| | FHH - 2521 | | FHH - 2485 |

Temperature - 126" @ 5296'. Trip Gas - 405 units total gas.

Fluid Properties

Mud Pit - .97 @ 68°F
 Top Recovery DST - 1.0 @ 66°F. Chlorides - 3939.39ppm
 Bottom Recovery DST - .12 @ 58°F Chlorides - 45,454.545
 Resistivity - .12 @ 58°F.

Desert Creek - Log Top 5350' (-980)

The Desert Creek has a cap of anhydrite in the upper portion and some thin shales. Below this section is a brown and grey limestone interval. A drilling break began at 5412' as follows:

| | |
|-------------------|-----------------------------------|
| 5400' - 01' 4"/ft | 5415' - 16' 2"/ft |
| 5401' - 02' 4"/ft | 5416' - 17' 2"/ft |
| 5402' - 03' 4"/ft | 5417' - 18' 2"/ft |
| 5403' - 04' 3"/ft | 5418' - 19' 2"/ft |
| 5404' - 05' 4"/ft | 5419' - 20' 2"/ft |
| 5405' - 06' 3"/ft | 5420' - 21' 3"/ft |
| 5406' - 07' 4"/ft | 5421' - 22' 4"/ft |
| 5407' - 08' 5"/ft | 5422' - 23' 3"/ft |
| 5408' - 09' 4"/ft | 5423' - 24' 2"/ft |
| 5409' - 10' 3"/ft | 5424' - 25' 2"/ft |
| 5410' - 11' 3"/ft | 5425' - 26' 3"/ft |
| 5411' - 12' 3"/ft | 5426' - 27' 3"/ft |
| 5412' - 13' 2"/ft | 5427' - 28' 3"/ft |
| 5413' - 14' 2"/ft | 5428' - 29' 4"/ft |
| 5414' - 15' 2"/ft | 5429' - 30' 4"/ft Circulated out. |

The samples circulated out at 5430' consisted of Limestone tan, stained light brown, with poor to fair vugular porosity; leached fossil frags, algal(?) frags; 80% of samples with bright yellow fluorescence, excellent blooming cut. The mud logging unit recorded 40 units of total gas; Methane .5%, Ethane .08%, Propane .05%. In view of these shows a drill stem test was recommended.

DST No. 2 5380' - 5430' Desert Creek

The 1st open period of 30" opened with a strong blow with GTS in 3" and OTS in 21". The 2nd open period flowed oil in 10" and was held open for 60". It was estimated that the well flowed at a rate of 30 BOPH on a 1/4" choke.

The sample chamber recovered 1250cc oil at 1000# pressure.

Bottom Chart

1st
 IF - 393.0/1620.3
 SI - 1755.5
 2nd
 FP - 501.4/1620.3
 SI - 1728.4
 IHH - 2674.4
 FHH - 2579.8

Top Chart

1st
 IF - 542.9/945.1
 SI - 1636.5
 2nd
 FP - 1741.9/1485.2
 SI - 1636.5
 IHH - 2972.9
 IHH - 2729.0

Temperature 130 degrees.

STRUCTURE

Comparison is made with three nearby wells drilled by Whitley.

| | <u>2-25-3E</u> | <u>1-25 Kirkwood</u> | <u>1-24 Kirkwood</u> | <u>1-25-3E</u> |
|-----------------------------|----------------|----------------------|----------------------|----------------|
| Upper Ismay | 5144(-774) | 5218(-749) | 5255(-786) | 5242(-786) |
| Lower Ismay | 5271(-901) | 5340(-872) | 5378(-909) | 5361(-905) |
| Porosity | 5288(-918) | 5344(-876) | None | 5375(-919) |
| Base L. Ismay | 5310(-940) | 5398(-929) | 5523(-954) | 5424(-968) |
| Desert Creek | 5350(-980) | 5442(-973) | 5470(-1001) | 5468(-1012) |
| Porosity | 5410(-1040) | 5500(-1032) | 5524(-1055) | 5522(-1066) |
| Base Des. Crk. Not reached. | | 5546(-1077) | 5574(-1105) | 5570(-1114) |

The last drill bit was not retrieved after it had backed off the drill string. Also the intermediate string had collapsed slightly preventing pulling the bit back through the casing. The bit was pushed to bottom and 5 1/2" production casing was run to total depth at 5430'. Only a cased hole log was run and it was used for formation tops and porosity.

Completion perforations should be made in the interval 5410-5422'.



P&M

PETROLEUM
MANAGEMENT

SUITE 1700 • 1600 BROADWAY • DENVER • COLORADO 80202 • PHONE (303) 861-2470

March 28, 1984

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

Attn: Oil & Gas Information System
Development Task Force, Attention Norm Stout

Re: Records Reconciliation

Gentlemen:

In response to your recent Memorandum concerning your development of an automated system for the reporting of oil and gas information, you will find enclosed in triplicate:

- 1) Your computer print-out with written changes noted,
- 2) Letter re Change of Operator to Division of Oil, Gas and Mining dated March 19, 1984,
- 3) Sundry Notice indicating Change of Operator for the 1-24 Federal, 1-25 Kirkwood-Federal, 1-25 3-E Federal and 2-25 3-E Federal wells, and,
- 4) Sundry Notice indicating Change of Operator for the 1-25A KGS Federal well (Communitized).

If there is any further information you require, please let us know.

Very truly yours,

Sally Scheiman

Sally Scheiman
Secretary

/ss
Enclosures

RECEIVED

APR 2 1984

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
U-42474, U-18433,
U-41696

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR William W. Whitley (past)
P & M Petroleum Management (current)

8. FARM OR LEASE NAME

3. ADDRESS OF OPERATOR
1600 Broadway, Suite 1700, Denver, CO 80202

9. WELL NO.

See below

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

see below

10. FIELD AND POOL, OR WILDCAT

Turner Bluff

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

24, 25 - T40S-R22E

14. PERMIT NO. see below

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

12. COUNTY OR PARISH 13. STATE

San Juan Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

FULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANE

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(Other) Change of Operator

(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.)*

| API | WELL | LOCATION | LEASE |
|--------------|-----------------------|-----------------------|---------|
| 43-037-30493 | 1-24 Federal | 24, T40S, R22E - SWSE | U-42474 |
| 43-037-30522 | 1-25 Kirkwood-Federal | 25, T40S, R22E - NENW | U-41696 |
| 43-037-30540 | 1-25 3-E Federal | 25, T40S, R22E - NENE | U-18433 |
| 43-037-30546 | 2-25 3-E Federal | 25, T40S, R22E - SWNE | U-18433 |

Change Operator on above wells from William W. Whitley, to:

P & M Petroleum Management
1600 Broadway, Suite 1700
Denver, CO 80202
(303) 861-2470
Bob Peterson/Julie Spurlock

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APR 2 1984

DIVISION OF
OIL, GAS & MINING

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

SIGNED Robert W. Peterson TITLE: Petroleum Engineer

DATE 3/27/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

March 19, 1984

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

Re: Change of Operator
U-42474, U-18433, U-52026,
U-23797, U-41696
San Juan County, Utah

Gentlemen:

Upon receipt of a memo from Oil, Gas and Mining's Oil & Gas Information Systems - Development Task Force this date regarding Records Reconciliation - Action Required, I realized I had failed to send Change of Operator forms to the State. Accordingly, enclosed are copies of Change of Operator from William W. Whitley to P & M Petroleum Management on leases U-42474, U-18433 (2 - drillsite acreage and the balance of the acreage) and communitized leases U-52026 with Beard Oil Company's U-23797 Section 25, together with the Successor Operating Agreement between William C. Kirkwood and P & M Petroleum Management covering lease U-41696.

If there is any further information you need, please let me know. I apologize for this oversight.

Very truly yours,

Sally Scheiman
Secretary

/ss
Enclosures

RECEIVED

APR 2 1984

DIVISION OF
OIL, GAS & MINING

~~WHITLEY, WILLIAM W.~~ P + M Petroleum Management (See attached letter and Sundry notices)
 1600 BROADWAY, SUITE ~~1705~~ 1700
 DENVER CO 80202
 ATTN: ~~WILLIAM W. WHITLEY~~
 ROBERT W. PETERSON / JULIE SPURLOCK

PHONE: 303-861-~~2469~~
 2470

YOUR UTAH ACCOUNT NUMBER: N3270

PRODUCING ENTITY NUMBER: 00415
 PRODUCING ENTITY NAME : TURNER BLUFF FIELD

| API | ZONE | WELL NAME | SECTION | TOWNSHIP | RANGE | QTR-QTR |
|--------------|-------|--------------------|---------|----------|--------|-------------------------|
| 43-037-30493 | DSCR | 1-24 FEDERAL | 24 | 40.0-S | 22.0-E | SWSE |
| 43-037-30522 | IS-DC | 1-25 KIRKWOOD FED. | 25 | 40.0-S | 22.0-E | NENW |
| 43-037-30540 | ISMY | 1-25 3-E FED | 25 | 40.0-S | 22.0-E | NENE |
| 43-037-30546 | DSCR | 2-25 3-E FED | 25 | 40.0-S | 22.0-E | SWNE |
| 43-037-30906 | DSCR | 1-25A KGS FEDERAL* | 25 | 40.0-S | 22.0-E | SENE SWNW |

* Communitized. Change of Operator still pending at BLM.

NOTE: EACH OF THE ABOVE WELLS HAS A SEPARATE TANK BATTERY (and meter where applicable).

RECEIVED

APR 2 1954

DIVISION OF OIL, GAS & MINING

ROUTING AND TRANSMITTAL SLIP

Date

5/23/05

TO: (Name, office symbol, room number, building, Agency/ Post)

Initials

Date

1. *Lisha Cordova*

2. _____

3. _____

Carol

4. _____

Bern sent PA info.

5. _____

Op. has been reporting

- Action
- Approval
- As Request
- Circulate
- Comment
- Coordination

& prod since 1991 - current don't know why they didn't report it PA'd?

return

ation

ily

REMARKS

*UTU1
information.*

Lisha

RECEIVED

MAY 27 2005

DIV. OF OIL, GAS & MINING

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/ Post)

Room No. — Bldg.

Marie McGann

Phone No.



ROUTING AND TRANSMITTAL SLIP

Date

5/23/05

TO: (Name, office symbol, room number, building, Agency/ Post)

Initials

Date

1. *Lisha Cordova*

2.

3.

4.

5.

| Action | File | Note and Return |
|--|----------------------|------------------|
| Approval | For Clearance | Per Conversation |
| <input checked="" type="checkbox"/> As Requested | For Correction | Prepare Reply |
| Circulate | For Your Information | See Me |
| Comment | Investigate | Signature |
| Coordination | Justify | |

REMARKS

UTU 18433 # 2-25-3E plugging information.

RECEIVED

MAY 27 2005

DIV. OF OIL, GAS & MINING

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/ Post)

Room No. — Bldg.

Marie McGann

Phone No.

NSN 7540-00-935-5862
5041-103



OPTIONAL FORM 41 (Rev. 1-94)
Prescribed by GSA
UNICOR FPI - SST

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

INSPECTION RECORD - ABANDONMENT

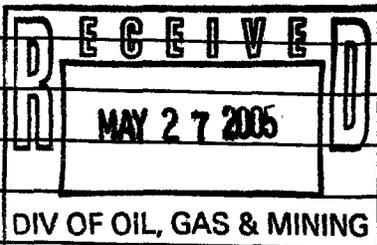
Lease No./Univ/CA: U-18433 State: Utah District: Moab Field Area: Turner Bluff
 API No.: 43-037-30546 Location 1/4, 1/4, S-T-R: SUNE, 25, 40S, 22E Spud Date: 1-11-82 Status: PLA
 Operator/Representative: PPM Petroleum Mgt/ Jack Binkley Rig/Contractor/Representative: Big A Nathan Crowder Type of Well*: Depleted Prod.
 Dry Hole, Depleted Producer, Service, Water Well, etc.

| INSP. NO. | INSPECTOR | ACT. CODE | OPEN DATE | CLOSE DATE | WELL INSPECTED NO. | OFFICE TIME | TRAVEL TIME | INSPECT. TIME | TRIPS |
|-----------|-----------|-----------|-----------|------------|--------------------|-------------|-------------|---------------|-------|
| | J Brown | PD | 9/29/07 | 9/27/08 | 2-25-7E | 1 | | | |
| | J Brown | PD | 9/29/07 | 9/27/08 | 2-25-7E | 1 | 8 | 24 | 4 |

PLUGGING OPERATIONS

WITNESSED

| | YES | NO | N/A |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| Plugs spotted across perforations if casing set? | | <input checked="" type="checkbox"/> | |
| Plugs spotted at casing stubs? | <input checked="" type="checkbox"/> | | |
| Open hole plugs spotted as specified? | <input checked="" type="checkbox"/> | | |
| Retainers, bridge plugs, or packers set as specified? | <input checked="" type="checkbox"/> | | |
| Cement quantities as specified? | <input checked="" type="checkbox"/> | | |
| Method of verifying and testing plugs as specified? | <input checked="" type="checkbox"/> | | |
| Pipe withdrawal rate satisfactory after spotting plugs? | <input checked="" type="checkbox"/> | | |
| All annular spaces plugged to surface? | <input checked="" type="checkbox"/> | | |
| INC issued? | | | <input checked="" type="checkbox"/> |



g Tested: No Pressured Tagged
 If tested, which plug(s): Catley / DeChelly tagged 7-10-97 @ 1605'
 Bottom Plug: Type Plug CIBP + 175K Depth(s) 5360 - 5039 Amount of Cement 105K 11.7 47
 Plug: Type Plug 260 5K Depth(s) 2210 - 1605 Amount of Cement 260 25947
w/ 175 Catl
 Immediate Plug: Type Plug _____ Depth(s) _____ Amount of Cement _____
 Surface Shoe Plug: Amount of Cement 100 5K 11747 Top of Plug 1341' - ? ~ 720
 Type of Plug _____ Depth(s) _____ Amount of Cement _____
 Cement and mechanical plug placement data (attach service company report, if available): notes attached

Remarks: _____
 Date: 2/18/03 Initials: AB



BALANCE PLUG PROGRAM

CALCULATION

| | Size | Weight | cf/lf | lf/cf | bb/ft | ft/bbl |
|----------------|-------|--------|-------|--------|-------|--------|
| Hole/Casing | 7 7/8 | - | .3382 | 2.9565 | .0602 | |
| Casing | 5 1/2 | 15.5 | .1336 | 7.483 | .0238 | |
| Tubing/D.P. | | | | | | |
| Annular Volume | | | | | | |

Plug Set at _____ Size of Plug _____
 H₂O Ahead _____ bbl Cement Class _____ Additions _____

H₂O Req: _____ gal/sk _____ cf/sk

Slurry Wt: _____ lbs/gal _____ lbs/cf

Slurry Vol: _____ cf/sk

CEMENT VOLUMES: _____ cf _____ bbls
 Hole cap (cf/lf) X size of plug = cf x .1781 = bbls

SACKS OF CEMENT: _____ sks
 Cmt vol (cf) ÷ slurry vol (cf/sk)

MIXING H₂O REQUIRED: _____ bbls
 Skes of cmt X H₂O req (gal/sk = gallons ÷ 42)

H₂O BEHIND: _____ bbls
 Annular vol (ft/bbl) X H₂O ahead = _____ tubing/D.P. (bbl/ft)

DISPLACEMENT: _____ bbls
 Top of plug X tubing/D.P. (bbl/ft) = _____ tubing vol.

100 x = (117 ft³) (7.483)

CALCULATION

| | Size | Weight | cf/lf | lf/cf | bb/ft | ft/bbl |
|----------------|-------|--------|-------|-------|-------|--------|
| Hole/Casing | | | | | | |
| Casing | 8 1/2 | 24.5 | .3575 | | | |
| Tubing/D.P. | | | | | | |
| Annular Volume | | | | | | |

Plug Set at _____ Size of Plug _____
 H₂O Ahead _____ bbl Cement Class _____ Additions _____

H₂O Req: _____ gal/sk _____ cf/sk

Slurry Wt: _____ lbs/gal _____ lbs/cf

Slurry Vol: _____ cf/sk

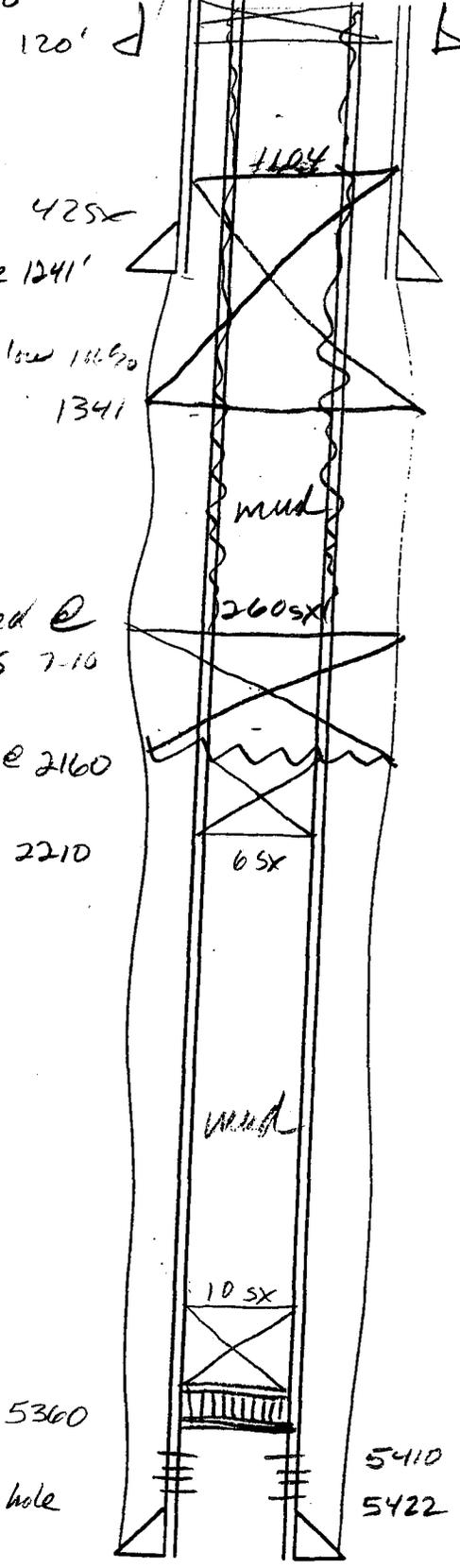
CEMENT VOLUMES: _____ cf _____ bbls
 Hole cap (cf/lf) X size of plug = cf x .1781 = bbls

SACKS OF CEMENT: _____ sks
 Cmt vol (cf) ÷ slurry vol (cf/sk)

MIXING H₂O REQUIRED: _____ bbls
 Skes of cmt X H₂O req (gal/sk = gallons ÷ 42)

H₂O BEHIND: _____ bbls
 Annular vol (ft/bbl) X H₂O ahead = _____ x tubing/D.P. (bbl/ft)

DISPLACEMENT: _____ bbls
 Top of plug X tubing/D.P. (bbl/ft) = _____ tubing vol.



105 fts

142

tagged @ 1605 7-10

cut 5 1/2 @ 2160

2210

114
147

5039

CIBP @ 5360

7 7/8 hole

TD 5431

21 5/8 + 1 43 1/2

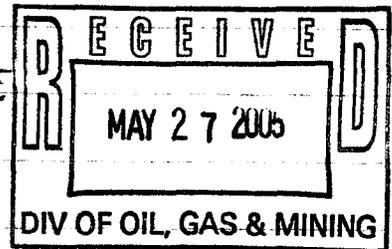
7-7-97

P.L.M. Petroleum Mgt.

U-18433

2-25-3E Federal

T. 40 S., R. 22 E., Sec 25 SWNE



459-4225
459-6517

7-3-97

Big A MIRA to Pott w/ rods of pump. Hot oiled.
Set CIBP @ 5300 did not witness dayoff

7-7-97

CIBP @ 5360

RIH w 28 to 5354 mix of pump 36 5X "B"
(42 ft³) (7.483) = 315 TOR = 5039, LD 10 jts

to 5040 mix of pump 36.5 bbls. 9 ppv + mud to
3500. stand back 57 stds LD 48 jts.

pres test 52 to 475 psig held ok Rig up to
Free pt (57 jts 3543) small water flow

88x 52 stretch cal. 1360 ± nipple up
BOP close valves of blinds SDFN.

7-8-97

RIH w/wz cut casing @ 2160' Rig up
to LD 52. WO part for logs

called E Jones 1130 for change.

Left loc. 1200

2-25-3E

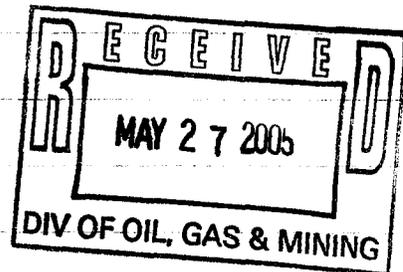
7-9-97

LD 57jts 5 $\frac{1}{2}$ \approx 2160 KB

change out runs R14 in 2 $\frac{3}{8}$ to 2210 71jts
 \approx 50 inside stub mix of pump 260 sx w/
1 % CaCl disp w/ 6.5 bbls plug down @ 1350
TOH w/ 2 $\frac{3}{8}$ stand back, fill casing of hole. SI
braden head of blinds. SD

7-10-97

tag up @ 1605 stack out 2 $\frac{3}{8}$ small
water flow still slower than yesterday. Waiting
on float to LD 2 $\frac{3}{8}$. Pump mud spacer
from 1600 - 1341. Call E Jones to inform
well status of further procedure. 100sx from
1341 to 1104 or from 1341 to surface approval
granted, pit was enlarged



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

| | |
|--|---|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | 5. Lease Designation and Serial No. U-18433 |
| 2. Name of Operator P & M Petroleum Management, LLC | 6. If Indian, Allottee or Tribe Name |
| 3. Address and Telephone No. 1600 Broadway, Suite 625, Denver, CO 80202 (303) 861-2470 | 7. If Unit or CA, Agreement Designation |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1875' FNL & 1960' FEL (SWNE) Sec. 25, T.40S, R.22E | 8. Well Name and No. 3E Federal #2-25 |
| | 9. API Well No. 43-037-30546 |
| | 10. Field and Pool, or Exploratory Area Turner Bluff |
| | 11. County or Parish, State San Juan County, Utah |

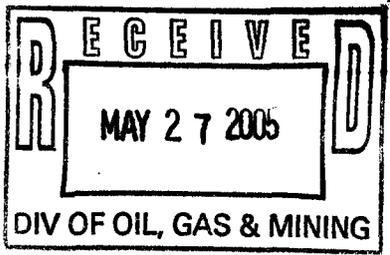
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION |
|--|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input checked="" type="checkbox"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input type="checkbox"/> Other _____ |
| | <input type="checkbox"/> Change of Plans |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Dispose Water |

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

13. 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.)*

Plan to P & A well according to the attached procedure. Sketch of well bore is also attached.



RECEIVED
 SAN JUAN RESOURCE AREA
 97 MAY 27 AM 11:33
 BUREAU OF LAND MGMT

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

Signed Robert A. Peterson Title Petroleum Engineer Date 5/9/97

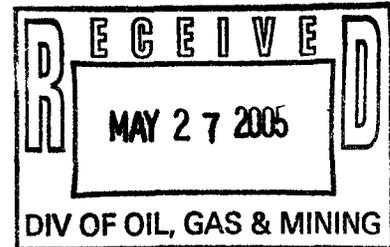
(This space for Federal or State office use)

Approved by /s/ Brad D. Palmer Title Assistant Field Manager, Resource Management Date MAY 21 1997

Conditions of approval, if any: **CONDITIONS OF APPROVAL ATTACHED**

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.

P & M PETROLEUM MANAGEMENT, LLC
Well No.: 3E Federal #2-25
Surface: SWNE Sec. 25, T. 40 S., R. 22 E.
Surface Lease: U-18433
API No.: 43-037-30546
San Juan County, Utah



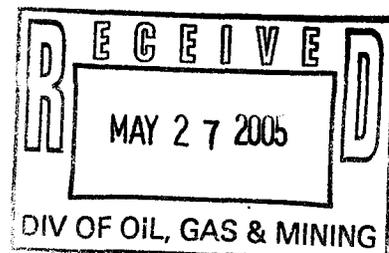
CONDITIONS OF APPROVAL

1. Notify Jeff Brown, Bureau of Land Management, San Juan Resource Area Office in Monticello, Utah at (801)-587-1500 at least 48 hours before starting plugging procedures.
2. Each interval between plugs shall be filled with mud of sufficient density to exert hydrostatic pressure exceeding the greatest formation pressure encountered while drilling. In the absence of better information, a minimum of 9 ppg mud shall be used. The mud shall have adequate viscosity to stabilize the hole.
3. Within 30 days of completing these plugging procedures a Subsequent Report of Abandonment (SRA) shall be filed (Form 3160-5, Sundry Notices and Reports) detailing the work that was done and where plugs were placed. This serves to document the downhole plugging portion of abandonment.
4. Plug #3 must be tagged.
5. A Final Abandonment Notice (FAN) shall be submitted (Form 3160-5, Sundry Notices and Reports) when the surface reclamation is completed and the surface is ready for inspection.
6. Any questions regarding the surface restoration may be directed to Jeff Brown of the San Juan Resource Area in Monticello, Utah at (801)-587-1525.

PLUG AND ABANDON PROCEEDURE
2-25 3-E FEDERAL
TURNER BLUFF
SEC. 25, T-40-S, R-22-E
SAN JUAN, UTAH

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 9.0 ppg water based mud, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Repair blow pit. Comply to all BLM specifications and P & M regulations.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with fluid as necessary. ND wellhead and NU BOP. Test BOP.
3. POOH and lay down rods. POOH and tally 2 7/8" tubing (5267'). RIH with guage ring to 5410'. POOH.
4. PLUG # 1 (Lower Ismay, Desert Creek): RIH with 5 1/2" CIBP and set @ 5409'. RIH with tubing and tag CIBP. Load hole with water and circulate. Test casing to 500 psi. Mix and pump 41 sx class B cement and spot from 5053' to 5409'. Pull above cement plug and spot mud from 4297' to 5053'.
5. PLUG # 2 (Hermosa): Mix and pump 17 sx class B cement and spot from 4147' to 4297'. Pull above cement plug and spot mud from 3290' to 4147'.
6. POOH. Weld on Bell nipple. RIH with wireline and cut casing according to stretch and freepoint (+/- 3870'). Lay down +/- 3870' of 5 1/2 casing and stack on ground. RIH with tubing to 3920'.
7. PLUG # 3 (Casing stub): Mix and pump 36 sx class B cement + 2% CaCl2 and spot from 3820' to 3920'. Pull above cement plug and spot mud from 2327' to 3820'. PUH to 2327'.
8. PLUG # 4 (Cutler): Mix and pump 260 sx class B cement + 2% CaCl2 and spot from 1882' to 2327'. Pull above cement plug and spot mud from 1295' to 1882'. PUH to 1295'.
9. PLUG # 5 (Shoe cover): Mix and pump 46 sx class B cement and spot from 1195' to 1295'. Pull above cement plug and spot mud from 875' to 1195'. PUH to 875'.
10. PLUG # 6 (Wingate): Mix and pump 70 sx class B cement and spot from 648' to 875'. Pull above cement plug and spot mud from 308' to 648'. PUH to 308'.
11. PLUG # 7 (Surface to Navajo): Mix and pump 96 sx class B cement to circulate cement to surface. POOH. Top off as needed.
12. ND BOP and cut off well head below surface casing flange. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location per BLM stipulations.



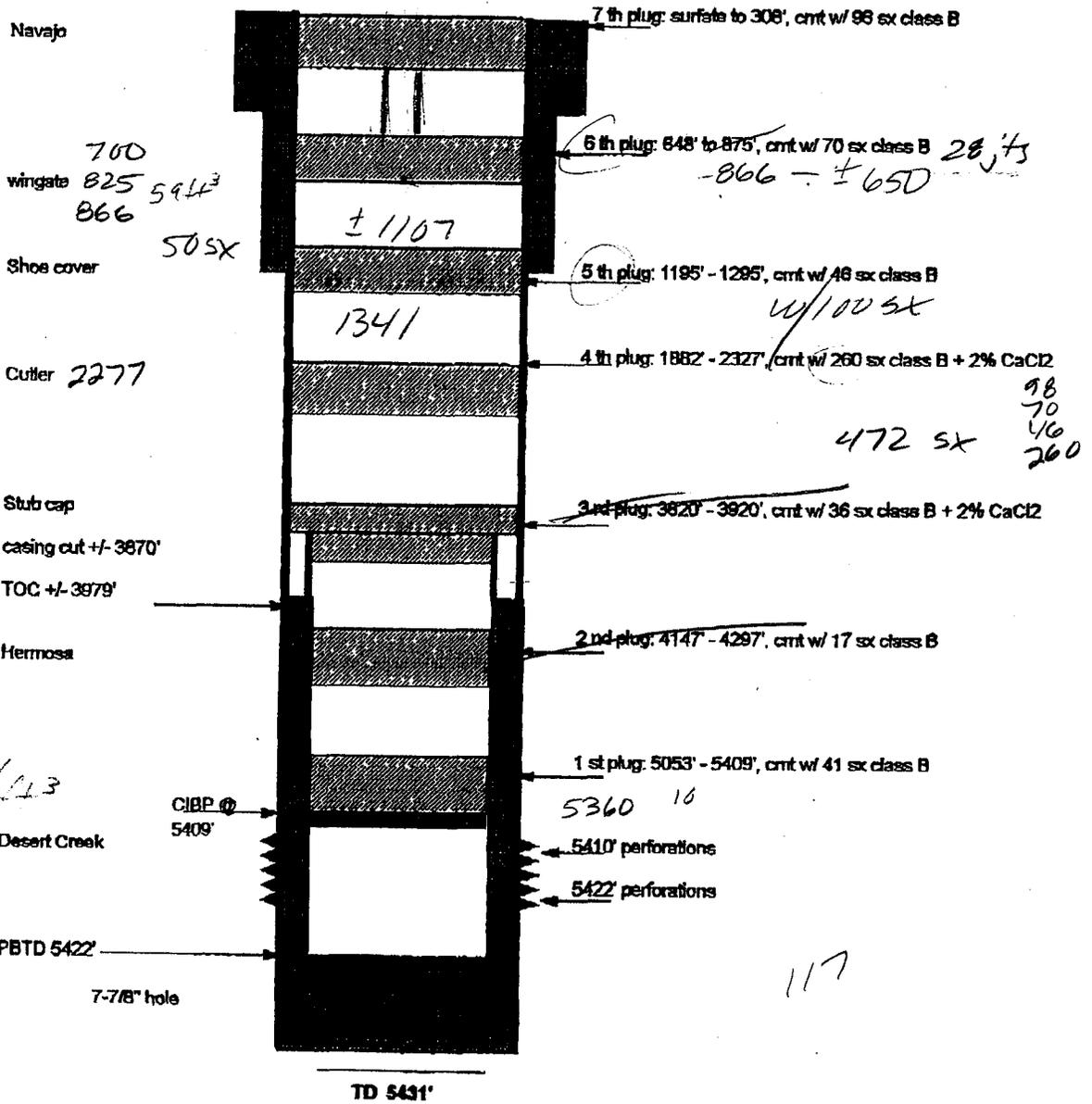
Today's Date: 04/29/97
 Spud Date: 01/11/82
 Completion Date: 02/16/82

2-25 3-E Federal

Current
 Turner Bluff

Section 25, T-40-S, R-22-E, San Juan, Utah

112



Mix 6.2
 disp 4

displ 77.6 ft / 43

117

cap. 5 1/2 csg. = .0236
 cap. 7 7/8 OH. = .0602
 cap. 8 5/8 csg. = .0637

total sacks cmt suggested = 570 sx.
 total mud suggested = 214 bbl.
 total water required = 630 bbl.

