

Bowers Oil & Gas Exploration Inc.

P.O. BOX 636 GRAND JCT., CO 81502
BUS: 245-1342 RES: 242-6311

RECEIVED

APR 24 1985

April 18, 1985

DIVISION OF OIL
GAS & MINING

Division of Oil, Gas & Mining
355 W. North Temple
3 Triad Center
Salt Lake City, UT 84180

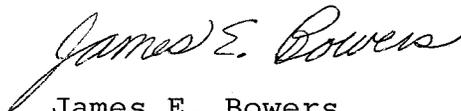
Re: APDs - Bowers Fed. Well #3-23
Sec. 23 and Bowers Fed Well #4-26
Sec. 26 - T40S, R22E, San Juan
County, Utah

Gentlemen:

Enclosed are APD's, and required copies, for the above captioned wells. Please let us know if you have any questions.

The #4-26 well is located less than 500ft. from the section line because the San Juan River precludes us from going further south.

Sincerely,



James E. Bowers
President

JEB:ddj
Enclosures

RECEIVED

SUBMIT IN DUPLICATE*

(Other instructions on reverse side)

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

APR 24 1985

13

5. Lease Designation and Serial No.

U-18433

6. If Indian, Allottee or Tribe Name

n/a

7. Unit Agreement Name

n/a

8. Farm or Lease Name

Federal

9. Well No.

Bowers Fed. #3-23

10. Field and Pool, or Wildcat

Turner Bluff Field

11. Sec., T., R., M., or Bk. and Survey or Area

Ismay & Desert Creek

11. Sec., T., R., M., or Bk. and Survey or Area

Sec. 23, T40S, R22E

SLB&M

12. County or Parrish 13. State

San Juan Utah

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

Bowers Oil & Gas Exploration, Inc.

3. Address of Operator

P.O. Box 636, Grand Junction, CO 81502

4. Location of Well (Report location clearly and in accordance with any State requirements.*)

At surface

500' FWL, 820' FSL (SWSW)

At proposed prod. zone

same as at surface

14. Distance in miles and direction from nearest town or post office*

5 miles east of Bluff, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

500'

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.

Appros. 1 1/4 miles

19. Proposed depth

5800'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

4482 GR

22. Approx. date work will start*

1 June, 1985

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#	80'	100 sx. Class G
12 1/4"	8 5/8"	24#	1100'	550 sx. Class G
7 7/8"	5 1/2"	15.5#	5750'	500 sx. 10-2 RFC

1. Contact James Bowers at (303) 245-1342 if additional information is needed.

2. An AFE or suitable notification of intent to drill has been directed to each working interest in the drilling unit and an operating agreement has been set up to go into effect if needed.

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

DATE: 6/3/85

BY: John R. Bane

WELL SPACING: 185-2 1/23/80

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: James S. Bowers

Title: President

Date: 4/22/85

(This space for Federal or State office use)

Permit No. Approval Date

Approved by: Title: Date: Conditions of approval, if any:

Bowers Oil & Gas Exploration Inc.

P.O. BOX 636 GRAND JCT., CO 81502
BUS: 245-1342 RES: 242-6311

NTL-6

1. Geologic name of surface formation - Morrison
2. Estimated tops of important geologic markers -
 - a. Lower Ismay - 5272'
 - b. Desert Creek - 5470'
3. The estimated depths at which anticipated water, oil, gas or other mineral - bearing formations are expected to be encountered -
 - a. Lower Ismay - oil and gas are expected at 5272'
 - b. Desert Creek - oil and gas are expected at 5535'
4. The proposed casing program, including the size, grade and weight/ft. of each string and whether new or used -
 - a. The surface and conductor pipe will be new and graded H-40. Other information regarding this pipe is listed in #23, first page of APD.
 - b. The production pipe, if needed, will be new, J-55, API graded. Other information regarding this pipe is also listed in #23, first page of APD.
5. The operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings, and the testing procedures and testing frequency -
 - a. A Schaeffer blow-out preventer will be used. This BOP is rated to 3,000 psi - wp.
 - b. See attached schematic diagram.
 - c. Unit will be tested prior to drilling out from under surface pipe. Daily testing will be performed thereafter.
6. The type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained -
 - a. Spud - 1550' - gel and lime 8.6 to 8.8 lgs./gal. wt.
 - b. 1550' - TD - Gel, drispack system. Will add barite to control possible water flows. Will add soda ash and caustic soda to treat contamination caused by gyp or anhydrite stringers.

7. Auxiliary equipment to be used -
 - a. Kelly cocks
 - b. Float at bit
 - c. Visual monitoring of the mud system
 - d. A sub on the rig floor with full opening valve to be stabbed into drillpipe when kelly is out of string
 - e. Mud logging unit

8. The testing, logging, and coring programs to be followed with provision made for required flexibility -
 - a. No coring programs are anticipated
 - b. visual examination of cuttings will be made
 - c. Open hole logging will consist of dual induction - laterlog, compensated neutron/formation density, and EPT
 - d. DSTs will be run to test the Lower Ismay and Desert Creek formations
 - e. We will set up a mud logging unit at approximately 4500'

9. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfidgas, along with plans for mitigating such hazards -

none expected

10. The anticipated starting date and duration of the operation -

We plan to start 1 June, 1985. The operation should take eighteen (18) days.

11. Completion testing -

Completion work will consist of perforating with 3/8" jet shot, casing gun, the deepest zone that appears productive. We will probably give the well a matrix acid job using 5,000 gals. of 7 1/2% HCL with additives. If we determine the zone needs to be stimulated, we will acid frac the well using approx. 20,000 gal. of 7 1/2% HCl with additives.

OPERATOR Bowen Oil & Gas Exploration

DATE 5-1-85

WELL NAME Bowen Fed. #3-23

SEC S4SW 23 T 40S R 22E COUNTY San Juan

43-037-31158
API NUMBER

Fed
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

80 acre - No other wells in S4SW
Need water permit

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

C-3-a 185-2 1/23/80
CAUSE NO. & DATE

C-3-b

C-3-c

STIPULATIONS:

1 - Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

June 3, 1985

Bowers Oil and Gas Exploration, Inc.
P. O. Box 636
Grand Junction, Colorado 81502

Gentlemen:

Re: Well No. Bowers Federal 3-23 - SW SW Sec. 23, T. 40S, R. 22E
820' FSL, 500' FWL - San Juan County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with the Order of Cause No. 185-2 dated January 23, 1980, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

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

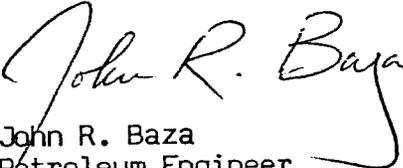
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Bowers Oil and Gas Exploration, Inc.
Well No. Bowers Federal 3-23
June 3, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31158.

Sincerely,



John R. Baza
Petroleum Engineer

as
Enclosures
cc: Branch of Fluid Minerals

June 14, 1985

RECEIVED

JUN 17 1985

DIVISION OF OIL
GAS & MINING

TEMPORARY

Bowers Oil & Gas
P.O. Box 636
Grand Junction, CO 81502

Dear Applicant:

RE: TEMPORARY APPLICATION
NUMBER 09-1425 (T60917)

Enclosed is a copy of approved Temporary Application Number 09-1425 (T60917). This is your authority to construct your works and to divert the water for the uses described.

While this approved application does give you our permission to divert and use water, it does not grant easements through public or private lands in order to gain access to the source nor to convey the water to the place of use, nor does this approval eliminate the need for such other permits as may be required by this Division or any other agency in implementing your diversion.

This application will expire September 14, 1985, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

Your contact with this office, should you need it is with the Area Engineer, Mark Page. The telephone number is (801)637-1303.

Yours truly,

Robert L. Morgan, P.E.
State Engineer

RLM:slm

Encl.: Copy of approved Temporary Application

TEMPORARY

APPLICATION TO APPROPRIATE WATER STATE OF UTAH

Application No. T 60917

09-1425

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

RECEIVED
MAY 21 1985

WATER RIGHTS
PRICE 6/3/85

1. Irrigation Domestic Stockwatering Municipal Power Mining Other Uses

2. The name of the applicant is Bowers Oil & Gas

3. The Post Office address of the applicant is P.O. Box 636 Grand Junction, Colorado 81502

4. The quantity of water to be appropriated _____ second-feet and/or 2.0 acre-feet

5. The water is to be used for Drilling from May 1, 1985 to June 15, 1985
(Major Purpose) (Month) (Day) (Month) (Day)

other use period _____ from _____ to _____
(Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from _____ to _____
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is _____
(Leave Blank)

7. The direct source of supply is* Underground water - Well
(Name of stream or other source)

which is tributary to _____, tributary to _____

*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in San Juan County, situated at a point*
S. 550 ft. & E. 2260 ft. from NW Cor. Sec. 27, T40S, R23E, SLB&M.

(3 miles NW of Montezuma Creek)

*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of Water will be hauled by truck to
place of use.

10. If water is to be stored, give capacity of reservoir in acre-feet _____ height of dam _____
area inundated in acres _____ legal subdivision of area inundated _____

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:

_____ Total _____ Acres

12. Is the land owned by the applicant? Yes _____ No X If "No," explain on page 2. BLM

13. Is this water to be used supplementally with other water rights? Yes _____ No X
If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity. _____

15. If application is for mining, the water will be used in _____ Mining District at
the _____ mine, where the following ores are mined _____

16. If application is for stockwatering purposes, number and kind of stock watered _____

17. If application is for domestic purposes, number of persons _____, or families _____

18. If application is for municipal purposes, name of municipality _____

19. If application is for other uses, include general description of proposed uses _____

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Sec. 23, T40S, R22E, SLB&M.

Bowers Federal #3-23. N. 820 ft. & E. 500 ft. from SW Cor. Sec. 23, T40S, R22E, SLB&M.

21. The use of water as set forth in this application will consume 2.0 second-feet and/or acre-feet of water and _____ second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows: _____

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Lined area for providing additional facts.

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

James E. Brown
Signature of Applicant*

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, COLORADO }
County of MESA } ss

On the 17th day of May, 1985, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

Denise Johnson
Notary Public

(SEAL)

NEWSPRINT

FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

Flow rate — c.f.s.	Cost	
0.0 to 0.1	\$ 15.00	
over 0.1 to 0.5	30.00	
over 0.5 to 1.0	45.00	
over 1.0 to 15.0	45.00	plus \$7.50 for each cfs above the first cubic
over 15.0	150.00	foot per second.

Storage — acre-feet		
0 to 20	22.50	
over 20 to 500	45.00	
over 500 to 7500	45.00	plus \$7.50 for each 500 a.f. above the first
over 7500	150.00	500 acre feet.

(This section is not to be filled in by applicant)

STATE ENGINEER'S ENDORSEMENTS

1. May 21, 1985 Application received by mail in State Engineer's office by [Signature]
2. Priority of Application brought down to, on account of
3. 6-4-85 Application fee, \$15.00, received by [Signature] Rec. No. 18203
4. Application microfilmed by Roll No.
5. Indexed by Platted by
6. 5-28-85 Application examined by [Signature]
7. Application returned, or corrected by office
8. Corrected Application resubmitted by mail to State Engineer's office.
9. Application approved for advertisement by
10. Notice to water users prepared by
11. Publication began; was completed
12. Notice published in
13. Proof slips checked by
14. Application protested by
15. Publisher paid by M.E.V. No.
16. Hearing held by
17. Field examination by
18. 5-28-85 Application designated for approval [Signature]
19. 6/14/85 Application copied or photostated by slm proofread by
20. 6/14/85 Application approved
21. Conditions:
 This Application is approved, subject to prior rights, as follows:
 a. Actual construction work shall be diligently prosecuted to completion.
 b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
 c. **TEMPORARY APPROVAL -- EXPIRES September 14, 1985,**
22. Time for making Proof of Appropriation extended to
23. Proof of Appropriation submitted.
24. Certificate of Appropriation, No., issued

[Signature]
Robert L. Morgan, P.E., State Engineer

TEMPORARY

Application No. T60917

09-1425

WATER RIGHTS DATA BASE
 ENTERED - DATE 5/30/85 BY MLK
 VERIFIED - DATE 5/30/85 BY MLK

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

SUNDRY NOTICES AND REPORTS RECEIVED

(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.)

JUN 24 1985

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-18433
2. NAME OF OPERATOR Bowers Oil & Gas Exploration, Inc. DIVISION OF OIL		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a
3. ADDRESS OF OPERATOR P.O. Box 636, Grand Junction, CO 81502		7. UNIT AGREEMENT NAME n/a
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 500' FWL, 820' FSL (SWSW)		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-037-31158		9. WELL NO. Bowers Fed #3-23
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4482' GR		10. FIELD AND POOL, OR WILDCAT Turner Bluff Field Ismay & Desert Ck. po
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, T40S, R22E SLB & B
		12. COUNTY OR PARISH San Juan
		18. 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"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) _____	

(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 APD for this proposed well was recently approved by the OGC. We request permission to set 40' of conductor pipe rather than 80' as was shown on our application.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 7/1/85
BY: John R. Bayk

Federal approval of this action is required before commencing operations.

18. I hereby certify that the foregoing is true and correct
SIGNED James E. Bowers TITLE President DATE 6/19/85

(This space for Federal or State office use)

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



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

June 24, 1985

Bowers Oil & Gas Exploration, Inc.
P. O. Box 636
Grand Junction, Colorado 81502

Gentlemen:

RE: Bowers Federal #3-23, SW SW Sec. 23, T. 40S, R. 22E

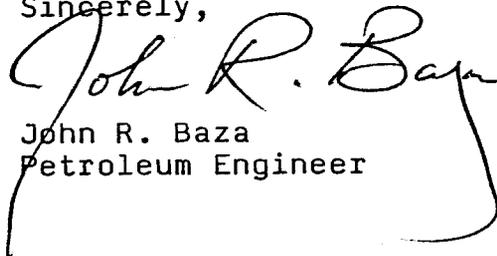
The referenced location was inspected on June 7, 1985, at which time it was determined that the reserve pit will need to be lined.

The liner shall be a fiber reinforced plastic of at least 6 mil thickness. Care should be used during installation to avoid trapping air under the liner.

The Division of Oil, Gas and Mining will be notified upon completion of installation of the liner so that it can be inspected prior to filling the reserve pit with any fluid. Notification can be made by telephone to either John R. Baza at (801) 538-5340 or Patrick deGruyter at (801) 259-6398.

Thank you for your cooperation.

Sincerely,



John R. Baza
Petroleum Engineer

pd

cc: Dianne R. Nielson
Ronald J. Firth

0090T

Well File



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

022001

June 24, 1985

Bowers Oil & Gas Exploration, Inc.
P. O. Box 636
Grand Junction, Colorado 81502

Gentlemen:

RE: Bowers Federal #3-23, SW SW Sec.

The referenced location was inspe time it was determined that the reserv

The liner shall be a fiber reinfc thickness. Care should be used during trapping air under the liner.

The Division of Oil, Gas and Mini completion of installation of the line prior to filling the reserve pit with any fluid. Notification can be made by telephone to either John R. Baza at (801) 538-5340 or Patrick deGruyter at (801) 259-6398.

Thank you for your cooperation.

Sincerely,
John R. Baza
John R. Baza
Petroleum Engineer

24 June 85
John - I notified Bowers O&G by phone concerning the need to line the pit & that a letter was forth coming - They are waiting on ROW permit from state lands so they have not yet started work on the location Pat

pd
cc: Dianne R. Nielson
Ronald J. Firth
0090T

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
Bowers Oil & Gas Exploration, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 636, Grand Junction, CO 81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
500' FWL, 820' FSL (SWSW)
 At proposed prod. zone
same as above

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
500'

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.
approx. 1 1/4 miles

19. PROPOSED DEPTH
5800'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4482' GR

22. APPROX. DATE WORK WILL START*
1 June, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-18433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a

7. UNIT AGREEMENT NAME
n/a

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Bowers Fed. #3-23

10. FIELD AND POOL, OR WILDCAT
Turner Bluff Field
Ismay & Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23, T40S, R22E, SLB & M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

RECEIVED
SEP 13 1985

DIVISION OF OIL
GAS & MINING

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	1300'	550 sx. Class G
7 7/8"	5 1/2"	15.5#	5750'	500 sx. 10-2 RFC
17 1/2"	13 3/8"	48#	80	100 sx. Class G

SEE ATTACHED

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 James E. Bowers TITLE President DATE 4/22/85

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY /s/ James J. Travis TITLE Acting DISTRICT MANAGER DATE 10 SEP 1985

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

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

State of Utah - DGM

COMPANY ERS OIL & GAS EXPLORATION, I

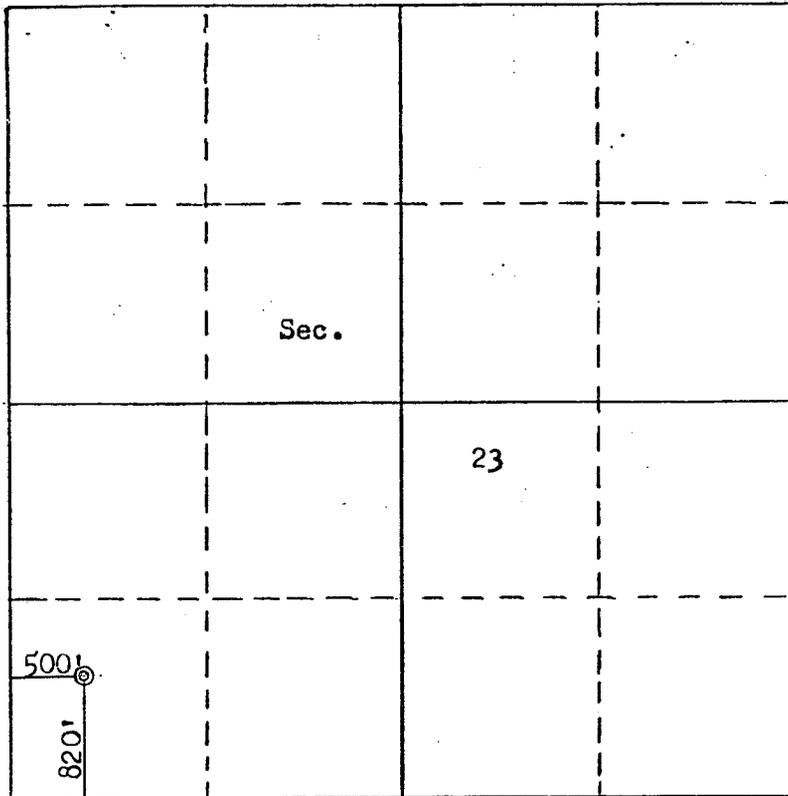
LEASE BOWERS-FEDERAL WELL NO. 3-23

SEC. 23, T. 40S, R. 22E

County: San Juan State: Utah

LOCATION 820'ESL 500'FWL

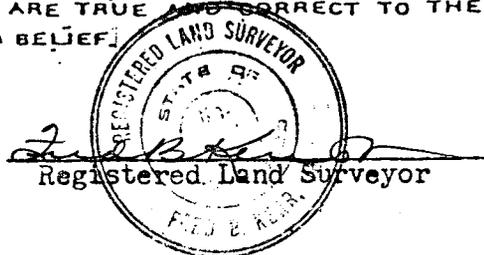
ELEVATION 4482 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:



SURVEYED April 3 1985

Bowers Oil & Gas Exploration, Inc.
Well No. Bowers Federal 3-23
Sec. 23, T. 40 S., R. 22 E.
San Juan County, Utah
Lease U-18433

CONDITIONS OF APPROVAL

A. DRILLING PROGRAM

Prior to drilling out from surface casing, blind rams and pipe rams will be tested to 70% of the internal yield of the casing.

Both surface and production casing strings will be pressure tested to 1000 psi.

Pipe rams will be operated daily to insure good working order. Blind rams will be operated on each trip to insure good working order.

All tests will be recorded in the driller's log.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

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

The spud date will be reported orally to the Area Office within a minimum of 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Order No. 1 this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continued each month until the well is plugged and abandoned. This report will be sent to the District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Area Office in accordance with requirements of NTL-3A.

If a replacement rig is needed for completion operations, A Sundry Notice (Form 3160-5) to that effect will be filed for prior approval from the District Office, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations verbal approval to bring on a replacement rig will be approved through the District Office.

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

If the well is to be completed for production the Area Office is to be contacted in order to set up a pre-production conference. When the well is placed in a producing status the District Office is to be notified by telegram or other written communication within five working days.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

No well abandonment operations will be commenced without the prior approval of the District Office. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Office. A Subsequent Report of Abandonment (Form 3160-5) will be sent to the District Office within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Office, or the appropriate surface managing agency. Upon completion of approved plugging, a dry hole marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped. The following minimum information will be permanently placed on the marker; "Fed" or "Ind", as applicable, "Lease number", "Well number", location of well by 1/4¹/₄ section, township, and range.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

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

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

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the San Juan Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

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

The State of Utah, Division of Lands, Forestry, and Fire Control developed surface use stipulations with Bowers Oil and Gas Exploration.

Your contact with the District Office is:

Greg Noble , Petroleum Engineer

Office Phone: 801-259-6111

Home Phone: 801-259-8811

_____, Petroleum Engineer

Office Phone: _____

Home Phone: _____

Address:

82 East Dogwood, P. O. Box 970
Moab, Utah 84532

Your contact with the San Juan Resource Area Office is:

Rich McClure , Natural Resource Specialist

Office Phone: 801-587-2201

Home Phone: 801-587-2874

Address:

480 South First West, P. O. Box 7
Monticello, Utah 84535

3:15pm 10/7/85

John,

Mr. Russell Shelley
(Lee Hong Construction of
Cortez, CO)

called to obtain approval to
use a 20 mil unreinforced
pit liner instead of a
6 mil reinforced liner on

the Bowers 3-23 Federal
San Juan Co. 23-40S-22E

Ron + ^I conferred and ~~agreed~~ thought
it would suffice.

Mr. Shelley also contacted
Greg Noble (Moab BLM) to
receive approval from the
BLM.

Dorothy

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-31158

NAME OF COMPANY: BOWERS OIL & GASWELL NAME: BOWERS FEDERAL #3-23SECTION SW 23 TOWNSHIP 40S RANGE 22E COUNTY San JuanDRILLING CONTRACTOR Veco Drilling

RIG # _____

SPUDDED: DATE 10-15-85TIME 4:00 PMHOW Rat Hole DiggerDRILLING WILL COMMENCE 10-17-85 - Rotary RigREPORTED BY DeniseTELEPHONE # 303-245-1342DATE 10-15-85 SIGNED SB

RECEIVED

STATE OF UTAH NOV 20 1985 SUBMITTED IN DUPLICATE*

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

DIVISION OF OIL & GAS SURVEYING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL [] GAS WELL [] DRY [X] Other []

b. TYPE OF COMPLETION: NEW WELL [] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESVR. [] Other [] D&A

2. NAME OF OPERATOR BOG, Inc.

3. ADDRESS OF OPERATOR P.O. Box 636, Grand Junction, CO 81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 500' FWL, 820' FSL SWSW At top prod. interval reported below same as above At total depth same as above

14. PERMIT NO. 43-037-31158 DATE ISSUED 6/21/85

5. LEASE DESIGNATION AND SERIAL NO. U-18433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a

7. UNIT AGREEMENT NAME n/a

8. FARM OR LEASE NAME Federal

9. WELL NO. Bowers Federal 3-23

10. FIELD AND POOL, OR WILDCAT Turner Bluff Field

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Tsmay & Desert Creek Sec. 23, T40S, R22E, SLB & M

12. COUNTY OR PARISH San Juan 13. STATE Utah

15. DATE SPUDDED 10/21/85 16. DATE T.D. REACHED 11/10/85 17. DATE COMPL. (Ready to prod.) n/a 11-11-85 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4493' KB 19. ELEV. CASINGHEAD 4482'

20. TOTAL DEPTH, MD & TVD 5630' MD 21. PLUG, BACK T.D., MD & TVD n/a 22. IF MULTIPLE COMPL., HOW MANY* n/a 23. INTERVALS DRILLED BY 0-TD 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* n/a 25. WAS DIRECTIONAL SURVEY MADE yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-SP-GR, LDT-DNL OGR, Mud log 27. WAS WELL CORRED no

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

Table with 5 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 13 3/8" casing with 54.5# weight and 8 5/8" casing with 24# weight.

29. LINER RECORD n/a 30. TUBING RECORD n/a. Table with 8 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD).

31. PERFORATION RECORD (Interval, size and number) n/a 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. n/a. Table with 2 columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED.

33.* PRODUCTION n/a. DATE FIRST PRODUCTION, PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump), WELL STATUS (Producing or shut-in) D&A

Table with 8 columns: DATE OF TEST, HOURS TESTED, CHOKE SIZE, PROD'N. FOR TEST PERIOD, OIL—BBL., GAS—MCF., WATER—BBL., GAS-OIL RATIO. Includes FLOW, TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL—BBL., GAS—MCF., WATER—BBL., OIL GRAVITY-API (CORR.).

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED James E. Bowers TITLE President DATE 11/18/85

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 36.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Navajo Wingate DeChelly Upper Ismay	455 913 2370 5274	819 1307 2436 5404	Fresh water Fresh water Salty water DST 75 min open, 90' mud, IH 2522, IF-1 111, FF-1 124, SIP-1 97, IF-2 97, FF-2 97, SIP-2 97 DST 2 hrs open, 150' SGC mud, IH 2642, IF 161, FF-1 74, IF-2 88, FF-2 109, SIP-1 754, SIP-2 1718 tight (low permeability)
Lower Ismay Desert Creek	5405 5486	5485 5596	Morrison Navajo Wingate DeChelly Organ Rock Upper Ismay Lower Ismay Desert Creek
			MEAS. DEPTH surface 455 913 2370 2437 5274 5405 5486
			TOP TRUBVERT. DEPTH

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

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Bowers Federal #3-23

Operator BOG, Inc. Address P.O. Box 636, Grand Jct., CO 8150

Contractor Veco Drilling Address P.O. Box 1705, Grand Jct., CO

Location SW 1/4 SW 1/4 Sec. 23 T: 40S R. 22E County San Juan

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	463'	480'	2400 bbls./day	Fresh
2.	950'	960'	50 bbls./day (est.)	Fresh
3.	2120'	2130'	20 bbls./day (est.)	Salty
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops Surface - Morrison 4420' - Hermosa
455' - Navajo 5274' - Upper Ismay
2370' - DeChelly 5405' - Lower Ismay
Remarks 2437' - Organ Rock 5486' - Desert Creek

None

- 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.

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

5. LEASE DESIGNATION AND SERIAL NO.	U-18433
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	n/a
7. UNIT AGREEMENT NAME	n/a
8. FARM OR LEASE NAME	Federal
9. WELL NO.	Bowers Federal #3-23
10. FIELD AND POOL, OR WILDCAT	Turner Bluff Field
	Ismay & Desert Creek
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Sec. 23, T40S, R22E, S1B & M
12. COUNTY OR PARISH	San Juan
18. STATE	Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

NOV 20 1985

CO. 81502 OF OIL
GAS & MINING

1. OIL WELL GAS WELL OTHER Dry Hole

2. NAME OF OPERATOR _____

3. ADDRESS OF OPERATOR BOG, Inc.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface P.O. Box 636, Grand Junction, CO 81502
500' FWL, 820' FSL (SWSW)

14. PERMIT NO. 43-037-31158

15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4493' (KB)

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

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

- A. Verbal approval granted from Moab District and State of Utah offices 11-11-85 to P&A well.
- B. Set plugs as follows:
 - 1. Plug #1 - 5430'-5390' 45 sxs.
 - 2. Plug #2 - 2460'-2360' 60 sxs.
 - 3. Plug #3 - 1470'-1370' 55 sxs.
 - 4. Plug #4 - 40'-0' 10 sxs.

A heavy fresh water gelled mud column is present between all plugs and below bottom plug.

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

DATE: 11/20/85
BY: [Signature]

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

SIGNED [Signature] TITLE President DATE 11/18/85

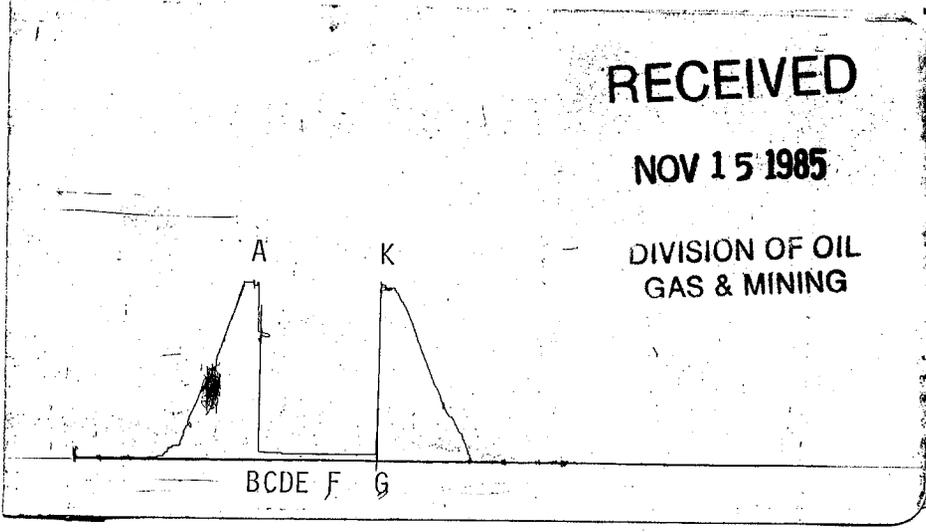
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Contractor <u>Veco</u>	Top Choke <u>1/4"</u>	Flow No. 1 <u>15</u> Min.
Rig No. <u>3</u>	Bottom Choke <u>3/4"</u>	Shut-in No. 1 <u>30</u> Min.
Spot <u>--</u>	Size Hole <u>7 7/8"</u>	Flow No. 2 <u>60</u> Min.
Sec. <u>23</u>	Size Rat Hole <u>--</u>	Shut-in No. 2 <u>120</u> Min.
Twp. <u>40S</u>	Size & Wt. D. P. <u>4" FH 14.40#</u>	Flow No. 3 <u>--</u> Min.
Rng. <u>22E</u>	Size Wt. Pipe <u>--</u>	Shut-in No. 3 <u>--</u> Min.
Field <u>Anith</u>	I. D. of D. C. <u>2 1/4"</u>	Bottom Hole Temp. <u>126° F</u>
County <u>San Juan</u>	Length of D. C. <u>487 ft.</u>	Mud Weight <u>9.0#</u>
State <u>Utah</u>	Total Depth <u>5421 ft.</u>	Gravity <u>--</u>
Elevation <u>4493 ft.</u>	Interval Tested <u>5337-5421 ft.</u>	Viscosity <u>65</u>
Formation <u>Upper Ismay</u>	Type of Test <u>Bottom Hole Conventional</u>	

Tool opened @ 4:36 p.m.



RECEIVED
 NOV 15 1985
 DIVISION OF OIL
 GAS & MINING

Inside Recorder

PRD Make Kuster K-3
 No. 24552 Cap. 6625 @ 5317'

	Press	Corrected
Initial Hydrostatic	A	2540
Final Hydrostatic	K	2524
Initial Flow	B	113
Final Initial Flow	C	102
Initial Shut-in	D	99
Second Initial Flow	E	82
Second Final Flow	F	82
Second Shut-in	G	88
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Cortez, CO
 Our Tester: Bryan Scott
 Witnessed By: Jim Bowers

Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE: 90 ft. Drilling mud = .44 Bbls

Blow Description:
 1st Flow: Tool opened with a 2" blow, decreasing to a weak surface blow at the end of the flow.

2nd Flow: Tool opened with no blow.

Comments: The test results indicate a mechanically successful test. The flow and shut-in curves suggest virtually no permeability within the zone tested.

Operator Bowers Oil & Gas Inc.
 Address P.O. Box 636 Grand Junction, CO 81502
 Well Name and No. Bowers Federal #3-23
 Ticket No. 00775
 Date 11-7-85
 No. Final Copies 9
 DST No. 1

BOWERS OIL & GAS INC.
DST#: 1
BOWERS FEDERAL #3-23
5337 - 5421ft.

Location: SEC. 23 T40S R22E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: UPPER ISMAY

Recorder Number: 24552
Recorder Depth: 5317

SAMPLE DATA

SAMPLE CHAMBER:

Capacity of sample chamber	2200	cc
Volume of sample.....	2200	cc
Pressure in sampler.....	15	psig
Where sampler was drained...	on location	

Sampler contained:
Mud 2200 cc

RESISTIVITY DATA:

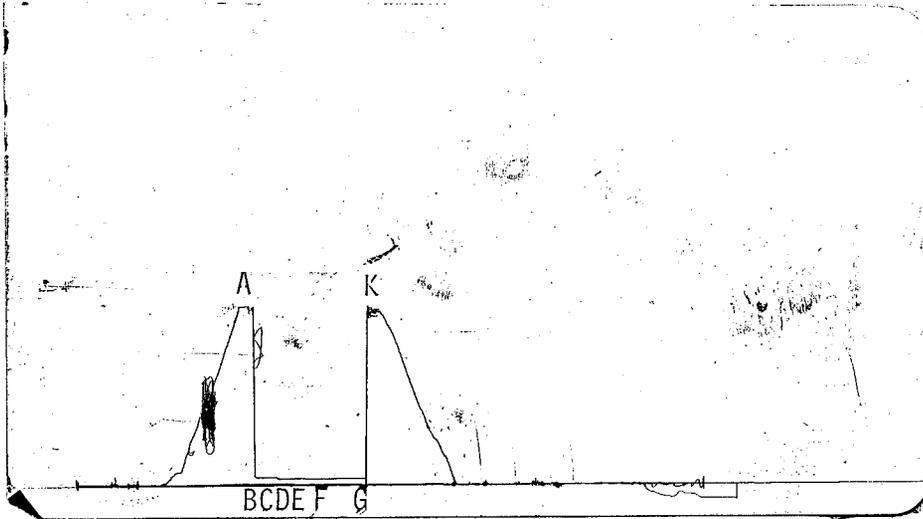
Top.....	
Middle.....	
Bottom.....	6000 PPM NACL
Sampler.....	6000 PPM NACL
Mud pit.....	6000 PPM NACL
Make-up Water..	

PRESSURE RECORDER NUMBER : 24523

DEPTH : 5312.00ft. LOCATION : INSIDE
TYPE : K-3 CAPACITY : 6650.00psi

PRESSURE
psi

A)Initial Hydro : 2544.0
B)1st Flow Start: 108.0
C)1st Flow End : 108.0
D)END 1st Shutin: 108.0
E)2nd Flow Start: 89.0
F)2nd Flow End : 86.0
G)END 2nd Shutin: 91.0
Q)Final Hydro. : 2517.0



TEST TIMES(MIN)
1st FLOW : 15
SHUTIN: 30
2nd FLOW : 60
SHUTIN: 120

Contractor <u>Veco</u>	Top Choke <u>1/4"</u>	Flow No. 1 <u>28</u> Min.
Rig No. <u>3</u>	Bottom Choke <u>3/4"</u>	Shut-in No. 1 <u>62</u> Min.
Spot <u>--</u>	Size Hole <u>7 7/8"</u>	Flow No. 2 <u>88</u> Min.
Sec. <u>23</u>	Size Rat Hole <u>--</u>	Shut-in No. 2 <u>178</u> Min.
Twp. <u>40S</u>	Size & Wt. D. P. <u>4" FH 14.40#</u>	Flow No. 3 <u>--</u> Min.
Rng. <u>22E</u>	Size Wt. Pipe <u>--</u>	Shut-in No. 3 <u>--</u> Min.
Field <u>Anith</u>	I. D. of D. C. <u>2 1/4"</u>	Bottom Hole Temp. <u>--</u>
County <u>San Juan</u>	Length of D. C. <u>487 ft.</u>	Mud Weight <u>--</u>
State <u>Utah</u>	Total Depth <u>5480 ft.</u>	Gravity <u>--</u>
Elevation <u>4493 ft.</u>	Interval Tested <u>5413-5480 ft.</u>	Viscosity <u>--</u>
Formation <u>Lower Ismay</u>	Type of Test <u>Bottom Hole Conventional</u>	

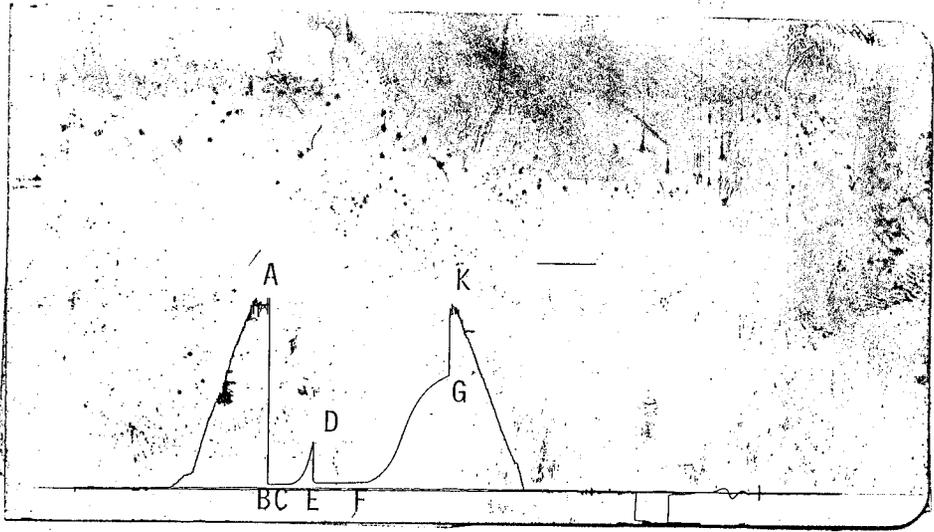
Tool opened @ 5:43 a.m.

Outside Recorder

PRD Make Kuster K-3
 No. 24523 Cap. 6650 @ 5423'

	Press	Corrected
Initial Hydrostatic	A	2661
Final Hydrostatic	K	2639
Initial Flow	B	72
Final Initial Flow	C	80
Initial Shut-in	D	684
Second Initial Flow	E	102
Second Final Flow	F	111
Second Shut-in	G	1670
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Cortez, CO
 Our Tester: Bryan Scott
 Witnessed By: Jim Kirksey



Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE: 150 ft. Drilling mud = .73 Bbls

Blow Description:
 1st Flow: Tool opened with a 1/2" blow, decreasing to surface bubbles at the end of the flow.
 2nd Flow: Tool opened with a weak surface blow, and remained constant throughout flow.

Comments: The test results indicate a mechanically successful test. The flow and shut-in curves suggest virtually no permeability within the zone tested.

Operator Bowers Oil & Gas Exploration Inc. Well Name and No. Bowers Federal #3-23
 Address Grand Junction, CO 81502 P.O. Box 636
 Ticket No. 00776 Date 11-9-85
 No. Final Copies 9

BOWERS OIL & GAS EXPLORATION CO.
DST#: 2
BOWERS FEDERAL #3-23
5413 - 5480ft.

Location: SEC. 23 T40S R22E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: LOWER ISMAY

Recorder Number: 6021
Recorder Depth: 5428

SAMPLE DATA

SAMPLE CHAMBER:

Capacity of sample chamber	2200	cc
Volume of sample.....	1800	cc
Pressure in sampler.....	280	psig
Where sampler was drained...	on location	

Sampler contained:

Mud	1800	cc
Gas	1.4	cu-ft

RESISTIVITY DATA:

Top.....	10 000 PPM NACL
Middle.....	
Bottom.....	10 000 PPM NACL
Sampler.....	10 000 PPM NACL
Mud pit.....	10 000 PPM NACL
Make-up Water..	



LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 6021 CAP 10000# AT 5428 ft.

OPERATOR Bowers Oil & Gas Expl. Inc. WELL NAME Bowers Federal #3-23

TICKET NO. 00776

DST. NO. 2

05:32:30 T 115.937
 2652.50
 2652.50
 2652.50
 2652.50
 Initial Hydro. -2647.50
 2647.50
 2647.50
 05:40:30 T 116.437
 2742.50
 Start 1st Flow, -52.5000
 57.5000
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 62.5000
 05:48:30 T 116.562
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 05:56:30 T 116.812
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 06:04:30 T 117.062
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 End 1st Flow -72.5000
 77.5000
 06:12:30 T 117.312
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 06:20:30 T 117.562
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 06:28:30 T 117.812
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 152.500
 06:36:30 T 118.062
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 182.500
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06:44:30 T 118.187
 212.500
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 227.500
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 267.500
 06:52:30 T 118.437
 292.500
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 347.500
 362.500
 382.500
 07:00:30 T 118.687
 422.500
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 467.500
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 572.500
 07:08:30 T 118.937
 637.500
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 742.500
 End 1st Shutin -762.500
 Start 2nd Flow -92.5000
 92.5000
 07:16:30 T 119.062
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 07:24:30 T 119.187
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 07:32:30 T 119.437
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 07:40:30 T 119.687
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07:56:30 T 120.062
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 08:04:30 T 120.312
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 08:12:30 T 120.437
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 08:20:30 T 120.562
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 08:36:30 T 120.812
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 End 2nd Flow -112.500
 08:44:30 T 120.937
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 127.500
 132.500
 132.500
 08:52:30 T 121.062
 137.500
 142.500
 147.500
 147.500
 152.500
 157.500
 157.500
 09:00:30 T 121.062
 162.500
 167.500
 172.500
 172.500
 172.500
 177.500
 182.500
 187.500



LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 6021 CAP 10000# AT 5428 ft.

OPERATOR Bowers Oil & Gas Expl..Inc.

WELL NAME Bowers Federal #3-23

TICKET NO. 00776

DST. NO. 2

09:08:30 T 121.187
192.500
197.500
202.500
207.500
212.500
217.500
222.500

09:16:30 T 121.312
227.500
237.500
237.500
247.500
252.500
257.500
262.500

09:24:30 T 121.437
277.500
282.500
287.500
297.500
302.500
307.500
317.500

09:32:30 T 121.562
332.500
337.500
347.500
357.500
367.500
377.500
387.500

09:40:30 T 121.562
402.500
412.500
427.500
437.500
452.500
462.500
472.500

09:48:30 T 121.687
502.500
517.500
532.500
547.500
562.500
577.500
592.500

09:56:30 T 121.812
627.500
642.500
662.500
682.500
702.500
722.500
737.500

10:04:30 T 121.937
777.500
802.500
817.500
837.500
862.500
882.500
902.500

10:12:30 T 122.062
942.500
962.500
982.500
1002.500
1022.500
1042.500
1062.500

10:20:30 T 122.187
1097.500
1117.500
1132.500
1147.500
1167.500
1182.500
1197.500

10:28:30 T 122.312
1227.500
1242.500
1257.500
1272.500
1287.500
1297.500
1312.500

10:36:30 T 122.437
1337.500
1347.500
1357.500
1372.500
1382.500
1392.500
1402.500

10:44:30 T 122.437
1422.500
1432.500
1442.500
1447.500
1457.500
1467.500
1477.500

10:52:30 T 122.562
1492.500
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1537.500

11:00:30 T 122.687
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1582.500

11:08:30 T 122.687
1597.500
1602.500
1607.500
1612.500
1617.500
1622.500
1627.500

11:16:30 T 122.812
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1642.500
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1647.500
1652.500
1657.500
1662.500

11:24:30 T 122.812
1672.500
1672.500
1677.500
1682.500
1687.500
1687.500
1692.500

11:32:30 T 122.937
1697.500
1702.500
1707.500
1707.500
1712.500
1717.500
1717.500

11:40:30 T 122.937
End 2nd Shut-in -1722.500
2622.500
2637.500
2667.500
2652.500
2642.500
2637.500

11:48:30 T 123.062
2627.500
Final Hydro. -2627.500
2622.500
2557.500
2627.500
2617.500
2557.500

11:56:30 T 122.812
2597.500
2592.500
2582.500
2567.500
2562.500
2532.500
2482.500

12:04:30 T 121.812
2452.500
2407.500
2362.500
2377.500
2337.500
2267.500
2302.500

12:12:30 T 119.687
2267.500
2267.500
2197.500
2232.500
2232.500
2192.500
2197.500

12:20:30 T 117.187
2157.500
2162.500
2127.500
2127.500
2087.500
2087.500
2052.500

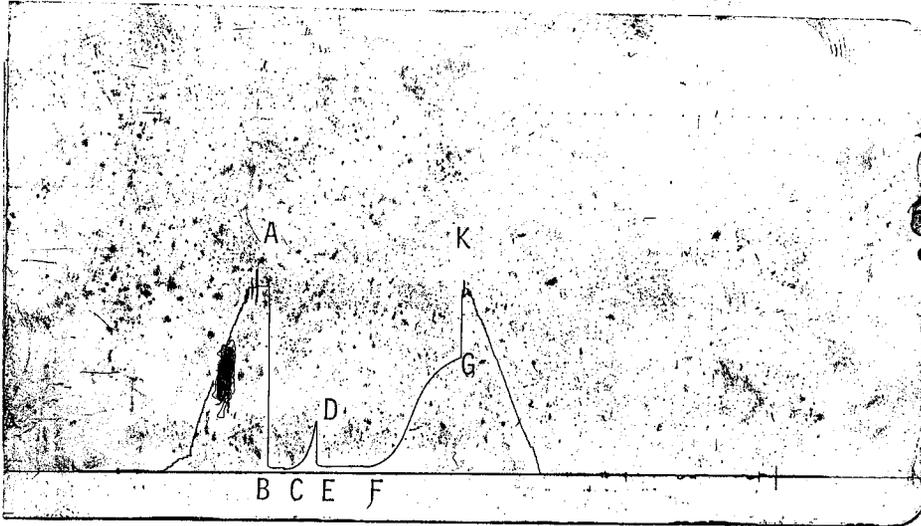
12:28:30 T 115.187
2012.500
1942.500

PRESSURE RECORDER NUMBER : 24552

DEPTH : 5593.00ft. LOCATION : INSIDE
TYPE : K-3 CAPACITY : 6625.00psi

PRESSURE
psi

A)Initial Hydro : 2640.0
B)1st Flow Start: 85.0
C)1st Flow End : 60.0
D)END 1st Shutin: 717.0
E)2nd Flow Start: 60.0
F)2nd Flow End : 93.0
G)END 2nd Shutin: 1650.0
Q)Final Hydro. : 2626.0



TEST TIMES(MIN)
1st FLOW : 28
SHUTIN: 62
2nd FLOW : 88
SHUTIN: 178

PRESSURE RECORDER NUMBER : 6021

DEPTH : 5428.00ft. LOCATION : OUTSIDE
TYPE : DMR CAPACITY : 10000.00psi

PRESSURE
psi

A)Initial Hydro : 2648.0
B)1st Flow Start: 53.0
C)1st Flow End : 73.0
D)END 1st Shutin: 763.0
E)2nd Flow Start: 93.0
F)2nd Flow End : 113.0
G)END 2nd Shutin: 1723.0
Q)Final Hydro. : 2628.0