

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

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

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  
 John M. Beard

3. Address of Operator  
 c/o McIlnay-Adams & Co., Inc.  
 2305 Oxford Lane, Casper, Wyoming 82604

4. Location of Well (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 1849' FWL & 1945' FSL (NE SW) Section 34-T8S-R18E  
 At proposed prod. zone  
 Same

5. Lease Designation and Serial No.  
 U-37812

6. If Indian, Allottee or Tribe Name  
 N/A

7. Unit Agreement Name  
 N/A

8. Farm or Lease Name  
 Federal

9. Well No.  
 3-34

10. Field and Pool, or Wildcat  
~~East Pleasant Valley~~ *8 Mile Flat*

11. Sec., T., R., M., or Bk. and Survey or Area  
 34-T8S-R18E

12. County or Parrish  
 Uintah

13. State  
 Utah

14. Distance in miles and direction from nearest town or post office\*  
 Approximately 14 miles southeast of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)  
 625'

16. No. of acres in lease  
 200

17. No. of acres assigned to this well  
 40

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.  
 1825'

19. Proposed depth  
 6100' *Green River*

20. Rotary or cable tools  
 Rotary

21. Elevations (Show whether DF, RT, GR, etc.)  
 4856' GL ungraded

22. Approx. date work will start\*  
 July 1, 1984

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#	300'	250 sx
7 7/8"	5 1/2"	17#	6100'	600 sx

It is proposed to drill an exploratory well at the above location. Primary zone of interest is the Green River Formation from 4500' - 5900'. If the well is found productive, 5 1/2" casing will be cemented into place and the well completed. If the well is found non-productive, the well will be plugged and abandoned as per BLM instructions and the surface restored as per BLM instructions.

See attached "Drilling Program" summary for details.

**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**  
 DATE: 6/18/84  
 BY: John R. Beard

RECEIVED

JUN 11 1984

DIVISION OF OIL GAS & MINING

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

24. Signed: [Signature] Title: Consultant, McIlnay-Adams & Co Date: 6-6-84  
C. K. Adams, P.E.

Permit No. \_\_\_\_\_ Approval Date \_\_\_\_\_

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

T 8 S, R 18 E, S.L.B.&M.

PROJECT

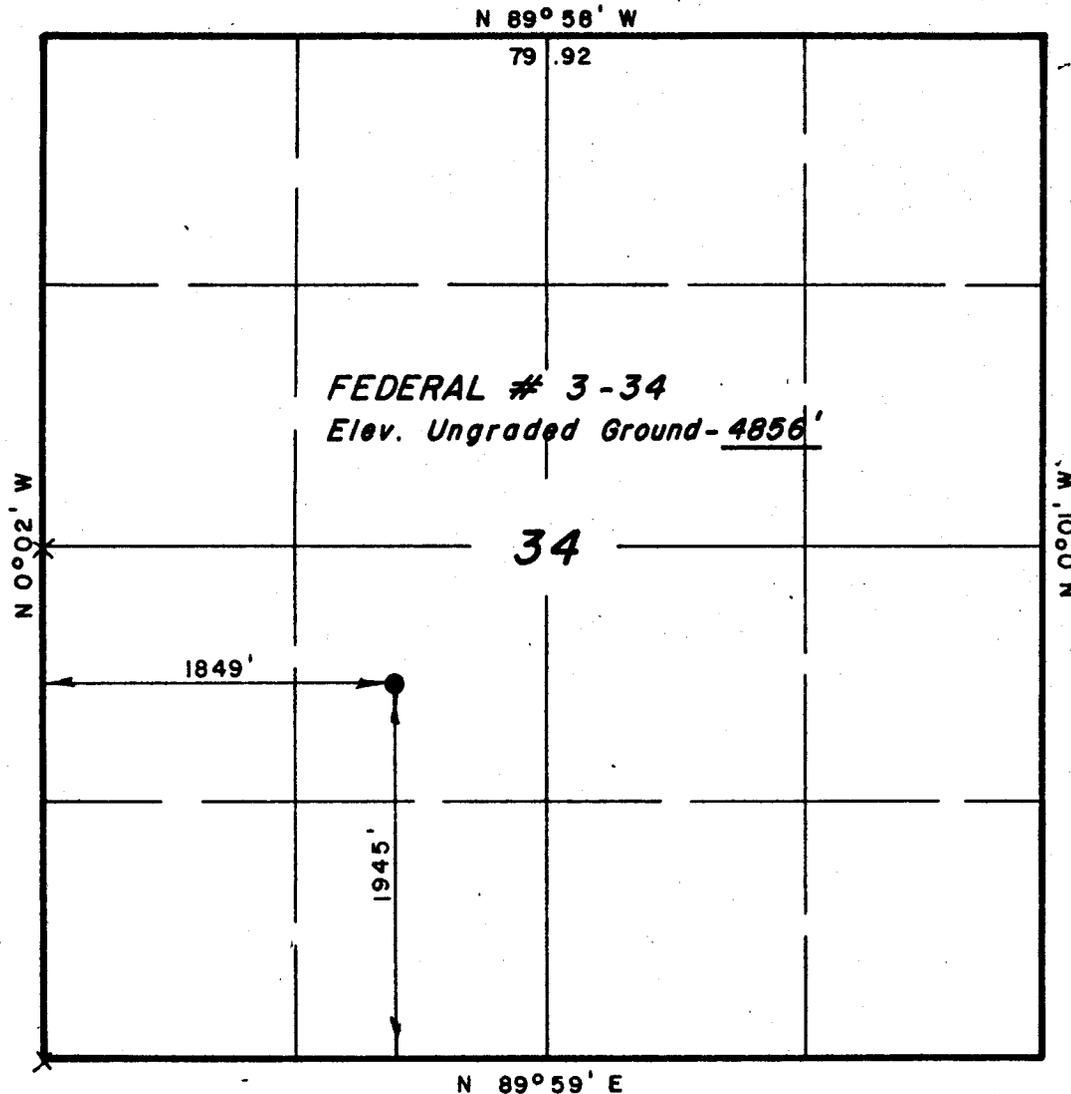
J.M. BEARD

Well location, FEDERAL # 3-34  
located as shown in the NE1/4SW1/4,  
Section 34, T 8 S, R 18 E, S.L.B.&M.,  
Uintah County, Utah.

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JUN 11 1984

DIVISION OF OIL  
GAS & MINING



FEDERAL # 3-34  
Elev. Ungraded Ground - 4856'

34

1849'

1945'

N 89° 59' E

X = Corners Located



CERTIFICATE

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

*Gene Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	4/30/84
PARTY	DB, CM, JH	REFERENCES	GLO PLAT
WEATHER	COLD/WINDY	FILE	BEARD

G. Drilling Fluids:

<u>Interval</u>	<u>Wt.#/gal</u>	<u>Vis</u>	<u>W.L.</u>	<u>Type System</u>
0 - 5800'	8.4-8.6	N.C.	N.C.	Fresh water with lime
5800 - 6100'	8.6-8.8	35-40	15-20	Low solids non-dispersed Fresh water gel

Sufficient mud materials to maintain mud requirements and meet minor lost circulation and blowout problems will be on the wellsite.

H. Coring, Testing, Logging and Tentative Completion Program:

- a. Cores: none.
- b. Drill stem tests: none planned.
- c. If a completion attempt is to be made, 5 1/2" casing will be cemented into place. The following presents a summary of tentative completion procedures.
  1. Perforate the Green River Formation in different zones with approximately 20 holes each depending on shows.
  2. Each zone will be stimulated with a small water frac treatment.

Note: All perforations and size of stimulation jobs are tentative and will be designed based on electric logs and shows.

- d. Logging: DIL from T.D. to surface casing.  
GR-FDC-CNL, LDT-NGT-EPT across zones of interest (minimum run).

I. Abnormal Conditions or Potential Hazards:

Abnormal conditions or potential hazards are not expected. Estimated temperature at T.D. is 155°F. Estimated bottom hole pressure is 2500 psig at 6000'. Hydrogen sulfide gas is not expected.

J. Auxiliary Equipment to be Used:

- a. No float at bit will be utilized.
- b. Mud logging unit will be utilized.
- c. A full-opening drill pipe stabbing valve with proper connections will be on the rig floor ready for use when the kelly is not in the string.

K. Anticipated Starting Date of Drilling Operations:

Plan to start drilling July 1, 1984. Approximately 15 days should be required to drill.

L. Additional Considerations:

None.

RECEIVED

MAY 3 1983 TEMPORARY APPLICATION TO APPROPRIATE WATER RIGHTS STATE OF UTAH

Application No. 47-1695

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.

1. Irrigation  Domestic  Stockwatering  Municipal  Power  Mining  Other Uses

2. The name of the applicant is John M. Beard

3. The Post Office address of the applicant is 2305 Oxford Lane, Casper, WY 82604

4. The quantity of water to be appropriated 0.052 second-feet and/or 6 Max. acre-feet

5. The water is to be used for Oil Drilling Fluids from May, 1983 to May, 1984 (Major Purpose) (Month) (Day) (Month) (Day)

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

and stored each year (if stored) from NA 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\* Tributary of Pleasant Vally Wash Pariette Draw (Name of stream or other source)

which is tributary to Duchesne River, tributary to Green River

\*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 Duchesne Uintah County, situated at a point\* SE Section 27 T4S R2W N 500' & W 1400' from SE Cor Sec 27, T8S, R 18E, S1B&M

\*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 Pump water out of stream into trucks to be hauled to points of usage

10. If water is to be stored, give capacity of reservoir in acre-feet NA 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: NA

Total Acres

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

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. NA

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

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

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

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

19. If application is for other uses, include general description of proposed uses Drilling fluids for developmental oil wells located SW SE Sec. 34 and SE SE Sec. 34-T8S-R18E

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl.

21. The use of water as set forth in this application will consume .052 / 6 second-feet and/or acre-feet of water and 0 second feet and/or acre feet will be returned to the natural stream or source at a point described as follows:



STATE OF UTAH  
NATURAL RESOURCES  
Water Rights

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dee C. Hansen, State Engineer

1636 West North Temple • Salt Lake City, UT 84116 • 801-533-6071

August 26, 1983

John M. Beard  
2305 Oxford Lane  
Casper, Wyoming 82604

RECEIVED

APR 23 1984

DIVISION OF OIL  
GAS & MINING

RE: Temporary Application 58867 (47-1695)

*(Renewed #60019  
47-1721)*

Gentlemen:

Enclosed is a copy of your approved Temporary Application Number 58867 (47-1695). This is your authority to construct your works and to divert the water for the uses described.

This application will expire ~~May 31, 1984~~, 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 637-1303.

Yours truly,

*Carl M. Staker*

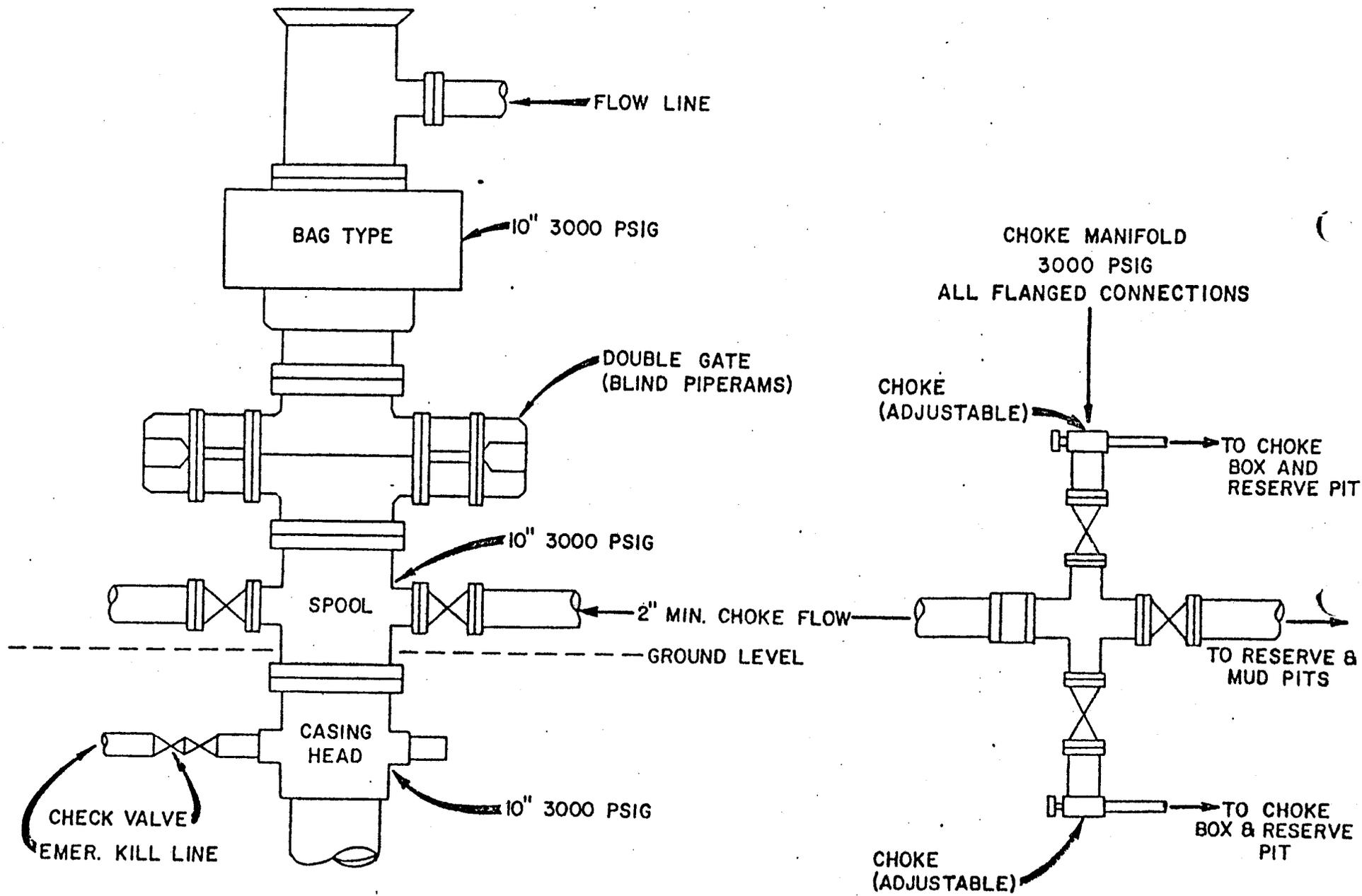
For Dee C. Hansen, P. E.  
State Engineer

DCH:slm

Enclosure

TEMPORARY

MICROFILMED  
*for approval*  
11-28-83  
1015-3



Proposed Pressure Control Equipment.

EXPLANATORY

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

12. Point of diversion is on private land and points of usage are on public land (BLM).

(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

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~~, OKLAHOMA }  
County of..... OKLAHOMA... } ss

On the 18th day of May, 1983, personally appeared before me, a notary public for the State of Okla 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:

7/14/86

(SEAL)

*Elizabeth R. McHam*  
Notary Public

**FEES 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)

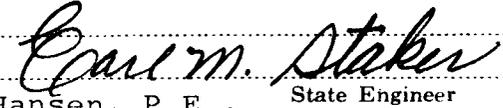
**STATE ENGINEER'S ENDORSEMENTS**

WATER RIGHTS DATA BASE  
 ENTERED - DATE 7/15/83 BY [Signature]  
 VERIFIED - DATE 8/16/83 BY [Signature]

1. 5/23/83 Application received by mail over counter in State Engineer's office by [Signature]
2. Priority of Application brought down to, on account of .....
3. 5-26-83 Application fee, \$15.<sup>00</sup>, received by A.M. Rec. No. 02746
4. Application microfilmed by ..... Roll No. ....
5. 7-11-83 Indexed by A.M. Platted by 10-25-83 [Signature]
6. Application examined by .....
7. Application returned, ..... or corrected by office .....
8. Corrected Application resubmitted by mail over counter to State Engineer's office.
9. Application approved for advertisement by .....
10. Notice to water users prepared by .....
11. Publication began; was completed .....  
Notice published in .....
12. Proof slips checked by .....
13. Application protested by .....
14. Publisher paid by M.E.V. No. ....
15. Hearing held by .....
16. Field examination by .....
17. 8/16/83 Application designated for ~~rejection~~ approval SG & MP
18. 8/26/83 Application copied or photostated by slm proofread by .....
19. 8/26/83 Application ~~rejected~~ approved
20. **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 May 31, 1984.

  
 State Engineer

For Dee C. Hansen, P.E.,

21. Time for making Proof of Appropriation extended to .....
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No. ...., issued

Application No. 52867

**McILNAY-ADAMS & CO., INC.****McILNAY-ADAMS**2305 OXFORD LANE • CASPER, WYOMING 82601  
PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

DRILLING PROGRAMJohn M. Beard  
Federal #3-34  
NE SW Section 34-T8S-R18E  
Uintah County, Utah  
Lease No. U-37812A. Surface Formation:

Uintah

B. Estimated Geological Tops:

Green River FM -----	1560'
Mahogany -----	3040'
Green Shale -----	4070'
Douglas Creek -----	4790'
Green River Lime -----	5980'
Total Depth -----	6100'

C. Estimated Depths at Which Anticipated Water, Oil, Gas or Other Mineral-Bearing Formations are Expected to be Encountered:

Possible oil or gas bearing zone anticipated from 4500' to 5900'. Commercial water zones are not expected. All porous formations below about 400' could contain some water.

D. Minimum Pressure Control Equipment: (See Attached Diagram)

- One 10", 3000 psig preventer with drill pipe rams and blind rams (make unknown).
- One 3" kill line will be installed below BOP rams. A 3000 psig choke manifold (screw connected) with two chokes will be utilized.
- A 70 gal accumulator rated at 3000 psig W.P. with 3 hydraulic control stations will be utilized. One for blind rams, one for pipe rams and one extra station. Controls are located in accumulator house at G.L. Manual controls are located at G.L. under substructure.
- The pressure control equipment will be tested to 1500 psig for 30 minutes prior to drilling below surface casing and every thirty days thereafter.
- A daily operational check of the BOP equipment will be made and recorded.

E. Casing Program: (new casing)Conductor Casing:

None

Surface Casing:

<u>Interval</u>	<u>No. Jts.</u>	<u>Net Footage</u>	<u>Specifications</u>
0 - 300'	8	300'	8 5/8", 24#/ft, K55, ST&C, "A" Grade

Production Casing:

<u>Interval</u>	<u>No. Jts.</u>	<u>Net Footage</u>	<u>Specifications</u>
0 - 6100'	153	6100'	5 1/2", 17#/ft, K55, LT&C, New

F. Cementing Program:Surface Casing:

Cemented to surface with 250 sx Neat cement.

Production Casing: (tentative)

Cement will be raised to 2000'± using 1-stage with High Lift, light weight, RFC-type cement and tail-in slurry. Exact method and cement type and volumes (approximately 600 sx) to be determined from logs, depth of pay zones and caliper, etc.

OPERATOR John Beard DATE 6-15-84

WELL NAME Federal 334

SEC NESW34 T 85 R 18E COUNTY Montebello

43-047-31497  
API NUMBER

Fed.  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

No other wells  
Water & - 60019 - #471721

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT  c-3-a \_\_\_\_\_ CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:

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

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER \_\_\_\_\_

UNIT \_\_\_\_\_

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

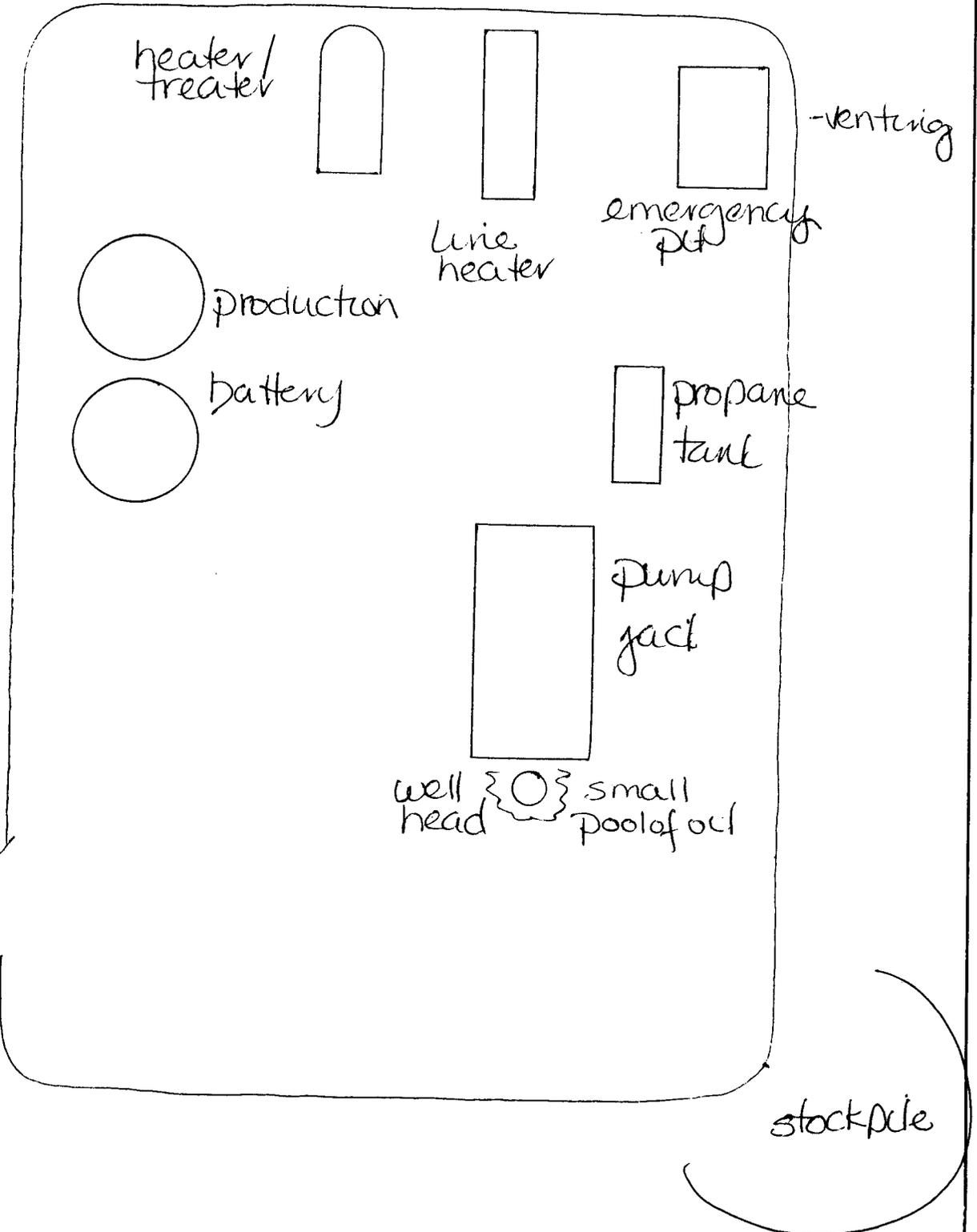
31497

Wed 3-34

Sec 34, T8 S0, R18E

Bubly 5/17/89

N



June 18, 1984

John H. Beard  
c/o McIlroy-Adams & Company, Inc.  
2305 Oxford Lane  
Casper, Wyoming 82604

RE: Well No. Federal 3-34  
MESW Sec. 34, T. 8S, R. 18E  
1945' FSL, 1849' FWL  
Uintah County, Utah

Gentlemen:

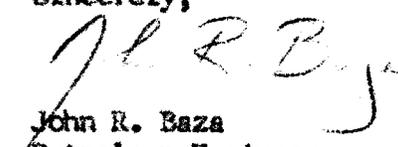
Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure.

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) 533-5771, (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.
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 43-047-31497.

Sincerely,

  
John R. Baza  
Petroleum Engineer

RJF/as  
cc: Branch of Fluid Minerals  
Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
U-37812

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

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
3-34

10. FIELD AND POOL, OR WILDCAT  
East Pleasant Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
34-T8S-R18E

12. COUNTY OR PARISH  
Uintah

13. STATE  
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  
John M. Beard

3. ADDRESS OF OPERATOR c/o McIlroy-Adams & Co., Inc.  
2305 Oxford Lane, Casper, WY 82604

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 1849' FWL & 1945' FSL (NE SW) Section 34-T8S-R18E

At proposed prod. zone  
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 14 miles southeast of Myton, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
625'

16. NO. OF ACRES IN LEASE  
200

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
1825'

19. PROPOSED DEPTH  
6100'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4856' GL ungraded

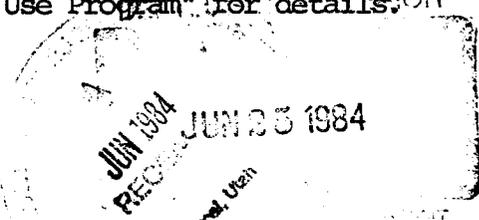
22. APPROX. DATE WORK WILL START\*  
July 1, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300'	250 sx
7 7/8"	5 1/2"	17#	6100'	600 sx

It is proposed to drill an exploratory well at the above location. Primary zone of interest is the Green River Formation from 4500' - 5900'. If the well is found productive, 5 1/2" casing will be cemented into place and the well completed. If the well is found non-productive, the well will be plugged and abandoned as per BLM instructions and the surface restored as per BLM instructions.

See attached "Drilling Program" summary and "Surface Use Program" for details.



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

24. SIGNED John M. Beard TITLE President DATE 6/15/84

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY L.L. Ferguson TITLE DISTRICT MANAGER DATE 7/5/84

CONDITIONS OF APPROVAL, IF ANY:  
CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL  
Oil, Gas & Mining

\*See Instructions On Reverse Side

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company John M. Beard Well No. 3-34  
Location Section 34, T8S, R18E Lease No. U-37812  
Onsite Inspection Date May 29, 1984

The Vernal District Petroleum Engineers have reviewed the Application for Permit to Drill for technical adequacy and concur with the down hole portion of the request providing the following stipulations are included as a part of the approval:

1. In accordance with API Bulletin RP 53, 3,000 psi BOP stacks will be equipped with an Annular Bag-Type Preventer. Also, 3" nominal choke and bleed lines with two 3" 3,000 psi valves prior to the choke manifold and a gauge after the manifold shall be utilized.
2. Prior to drilling out the surface casing shoe, the Ram-Type Preventers shall be tested to 2,000 psi, and the Annular-Type Preventer shall be tested to 1,500 psi.
3. No chromate additives will be used in the drilling fluid without prior approval from the BLM, Vernal District Office, Branch of Fluid Minerals.

SURFACE USE PLAN

- G. 5. Garbage and Trash:
  - a. A trash cage will be used instead of a trash pit.
- G. 6. Clean-up of Wellsite Area after Rig is Removed:
  - b. All pits and wellsite will be covered, leveled and reseeded as per BLM instructions. The liner will be removed from the reserve pit before it is filled in.

## DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-047-31497

NAME OF COMPANY: BEARD OILWELL NAME: #3-34SECTION NESW 34 TOWNSHIP 8S RANGE 18E COUNTY Uintah

DRILLING CONTRACTOR \_\_\_\_\_

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

SPUDDED: DATE 8-7-84TIME 6:00 PMHOW Dry Hole Digger

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

REPORTED BY Mickey (McIlney & Adams - Casper)TELEPHONE # 307-265-4351DATE 8-10-84 SIGNED RJE

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**RECEIVED**

**AUG 31 1984**

**DIVISION OF OIL  
GAS & MINING**

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
*John M. Beard*

3. ADDRESS OF OPERATOR *c/o McIlroy-Adams & Co., Inc.*  
*2305 Oxford Lane, Casper, WY 82604*

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
*1849' FWL & 1945' FSL (NE SW) Sec. 34-T8S-R18E*

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
*4856' GL ungraded*

5. LEASE DESIGNATION AND SERIAL NO.  
*U-37812*

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

7. UNIT AGREEMENT NAME  
*N/A*

8. FARM OR LEASE NAME  
*Federal*

9. WELL NO.  
*3-34*

10. FIELD AND POOL, OR WILDCAT  
*East Pleasant Valley*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
*34-T8S-R18E*

12. COUNTY OR PARISH  
*Uintah*

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"/>	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 type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) *Progress Report*

(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.)\*

✓  
Well was spudded with air 8/7/84 at 10 AM. 8 5/8" surface was set at a depth of 307.35'KB and cemented with 250 sxs cement. Waited on rotary tools until 8/27/84. Moved in rotary tools, pressure tested BOP, etc. and commenced drilling 7 7/8" hole. At present at a depth of 1965'.

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

SIGNED *[Signature]* TITLE Agent DATE 8/28/84  
McIlroy-Adams & Co., Inc.

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

**McILNAY-ADAMS & CO., INC.****McILNAY-ADAMS**2305 OXFORD LANE • CASPER, WYOMING 82604  
PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

November 8, 1984

**RECEIVED****NOV 13 1984****DIVISION OF OIL  
GAS & MINING**State of Utah, Natural Resources  
Oil, Gas, and Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Attn: Mr. John Baza, Petroleum Engineer

Re: Gas/Oil Ratio Test  
John M. Beard Federal #3-34  
NE SW Section 34-T8S-R18E  
Uintah County, UT  
(E. Pleasant Valley)

Dear Sir:

As Agent for John M. Beard and in compliance with Rule C-27 "Associated Gas Flaring" (New Well), we are hereby submitting the results of the Official GOR Test conducted on subject well during October, 1984. This well was completed October 3, 1984. Date of first production was October 22, 1984.

<u>DATE</u>	<u>OIL PROD BOPD</u>	<u>GAS PROD MCFD</u>
10-27-84	116	30.4
10-28-84	115	55.6
10-29-84	95	59.8
Totals	326	145.8

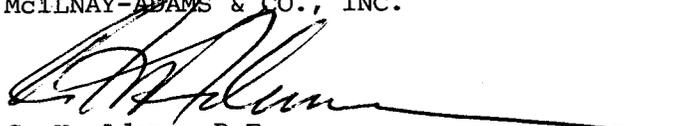
$$\text{GOR} = \frac{145,800 \text{ cf}}{326 \text{ bbl}} = 447 \text{ cf/bbl}$$

The Operator will install meter and gas sales equipment and commence normal gas sales within a 30-day period.

Please advise if you have any questions or need additional information.

Very truly yours,

McILNAY-ADAMS &amp; CO., INC.

  
C. K. Adams, P.E.

CKA/lh

cc: John M. Beard  
BLM -Vernal District Office

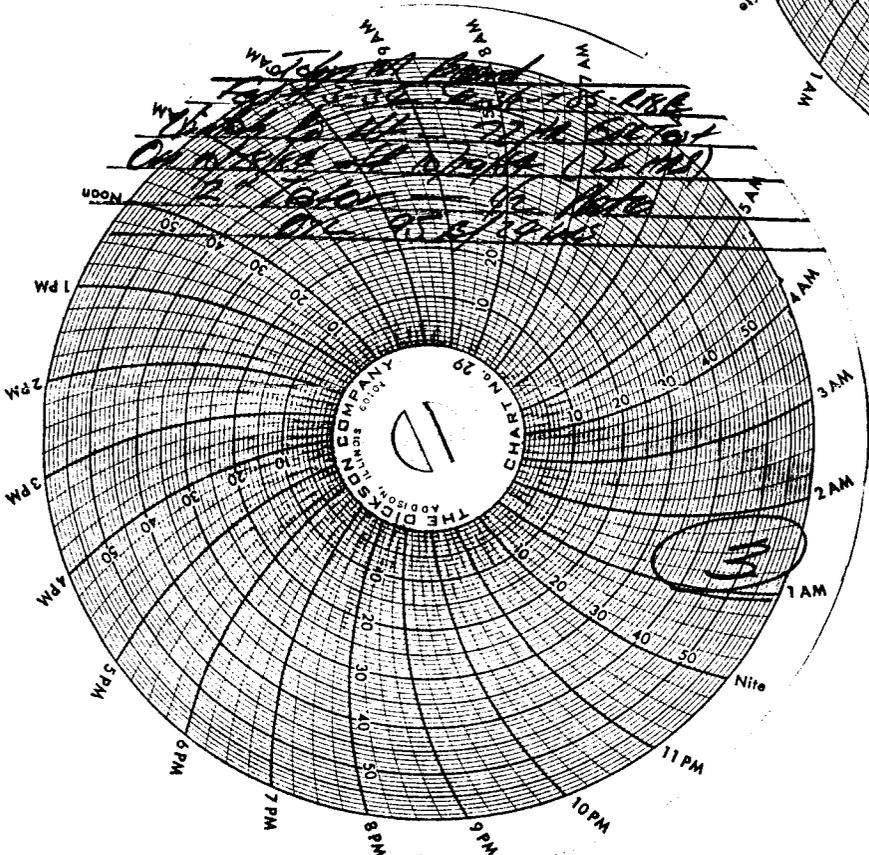
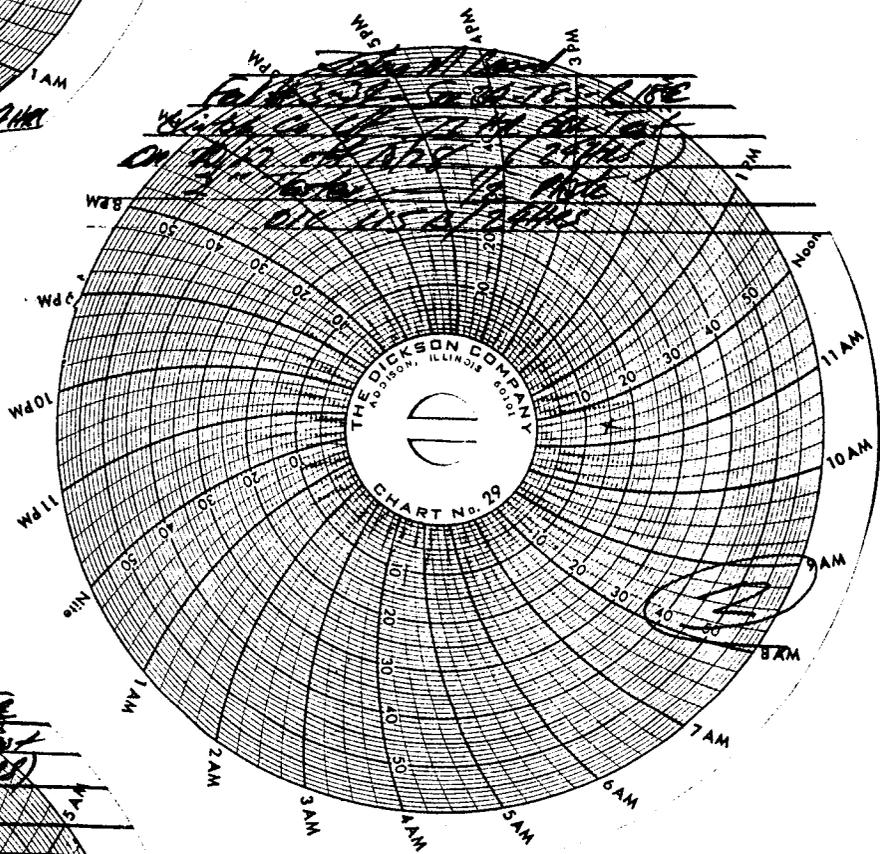
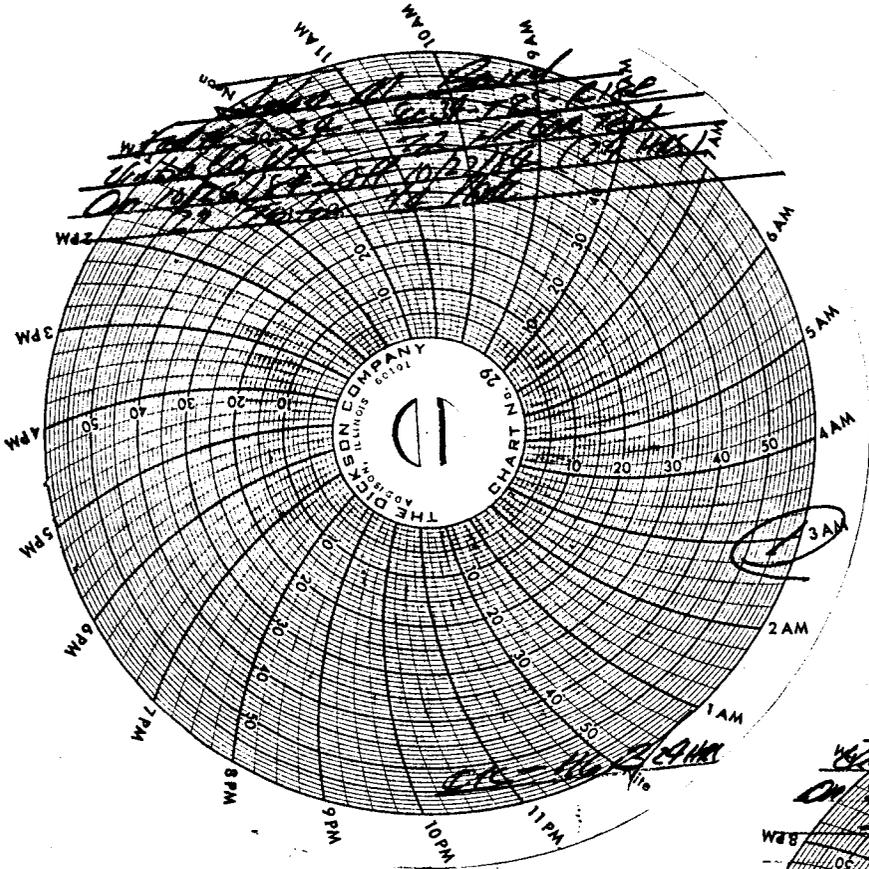
JOHN M. BEARD

FEDERAL #3-34

NE SW Section 34-T8S-R18E

Uintah County, Utah

GOR TEST DATA



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

RECEIVED

NOV 13 1984

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO. U-37812
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal
9. WELL NO. 3-34
10. FIELD AND POOL, OR WILDCAT Eight Mile Flat North Pleasant Valley
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 34-T8S-R18E

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

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

2. NAME OF OPERATOR John M. Beard

DIVISION OF OIL GAS & MINING

3. ADDRESS OF OPERATOR c/o McIlroy-Adams & Co., Inc. 2305 Oxford Lane, Casper, Wyoming 82604

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\* At surface 1849' FWL & 1945' FSL (NE 1/4) Sec. 34-T8S-R18E At top prod. interval reported below Same At total depth Same

14. PERMIT NO. 43-047-31497 DATE ISSUED

12. COUNTY OR PARISH Uintah 13. STATE Utah

15. DATE SPUNDED 8-7-84 16. DATE T.D. REACHED 9-3-84 17. DATE COMPL. (Ready to prod.) 10-3-84 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 4856' GL ungraded 19. ELEV. CASINGHEAD 4856'
20. TOTAL DEPTH, MD & TVD 6204' 21. PLUG, BACK T.D., MD & TVD 6156' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS 0 - 6204' CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* 5638' - 5789' -- Lower Green River 4364' - 4376' -- 5154' - 5214' -- Middle Green River; Upper Green River 25. WAS DIRECTIONAL SURVEY MADE Yes
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CCL-CBL-VDL-LDT-CNL-DIL-SFL 27. WAS WELL CORED No

CASING RECORD (Report all strings set in well) Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

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

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

33.\* PRODUCTION Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKE SIZE, PROD'N. FOR TEST PERIOD, OIL-BBL., GAS-MCF., WATER-BBL., GAS-OIL RATIO, FLOW. TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL-BBL., GAS-MCF., WATER-BBL., OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold and lease fuel TEST WITNESSED BY C. K. Adams

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 C. K. Adams, P.E. TITLE Consultant - Agent DATE November 9, 1984

\*(See Instructions and Spaces for Additional Data on Reverse Side) \*Frac/Load Water

## 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 35.

**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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

### 38.

### GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Uintah	Surface	
Green River	1574'	
Mahogany	3054'	
Green Shale	4082'	
Douglas Creek	4816'	
Green River Ls	5998'	
Wasatch	6155'	



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

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

December 21, 1984

Mr. John M. Beard  
C/O McIlroy-Adams & Company, Inc.  
2305 Oxford Lane  
Casper, Wyoming 82604

Gentlemen:

Re: Well No. Federal 3-34 - Sec. 34, T. 8S., R. 18E.  
Uintah County, Utah - API #43-047-31497

According to our records, a "Well Completion Report" filed with this office November 9, 1984 on the above referred to well, indicates the following electric logs were run: GR - CCL - CBL - VCL - LDT - CNL - DIL - SFL. This office has not yet received these logs.

Please take care of this matter as soon as possible, but not later than January 21, 1985.

Thank you for your prompt attention to this matter.

Sincerely,

A handwritten signature in cursive script that reads "Claudia L. Jones".

Claudia L. Jones  
Well Records Specialist

cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File

12201984/4

# McILNAY-ADAMS & CO., INC.

**McILNAY-ADAMS**

2305 OXFORD LANE • CASPER, WYOMING 82604  
PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

RECEIVED

December 27, 1984 JAN 03 1985

DIVISION OF  
L. GAS & MIN.

State of Utah  
Natural Resources Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Re: John M. Beard, Federal #3-34  
Sec. 34-T8S-R18E, Uintah Co.,  
Utah, API #43-047-31497

Gentlemen:

As per your request enclosed is a copy of the Acoustic Cement Bond-Gamma Ray Log. We do not have the Compensated Neutron-Litho Density log or the Dual Induction-SFL Gamma Ray log in our files. Therefore we have requested copies of these logs from Schlumberger and as soon as we have received them we will forward copies on to you.

Sincerely,

McIlnay-Adams & Co., Inc.

Mickie M. Lam

Mickie M. Lam

mml

Enclosure

# McILNAY & ASSOCIATES, INC.

**McILNAY**

2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

May 10, 1988

**RECEIVED**  
MAY 16 1988

Utah Natural Resources  
Div. of Oil, Gas & Mining  
355 W.N. Temple, Ste. 3100  
Salt Lake City, UT 84180

DIVISION OF  
OIL, GAS & MINING

43-047-31346 — Re: Flaring of Gas  
 43-047-31347 — { John M. Beard, Operator — *N 2930*  
 Federal #1-34, SE SE Sec. 34-T8S-R18E  
 43-047-31497 — { Federal #2-34, SW SE Sec. 34-T8S-R18E  
 Federal #3-34, NE SW Sec. 34-T8S-R18E  
 Uintah County, Utah  
 Lease Number 71-037812

Gentlemen:

On behalf of our client John M. Beard this letter is being written to bring you up to date as to the recent emergency flaring of gas in regard to the referenced wells.

Gas from these wells has been sold to Amgas Incorporated, who operates a gas gathering and compressor system in the East Pleasant Valley Field. In December, 1984 Amgas reported that they were experiencing market problems and were unable to purchase all the casing head gas being produced by Beard's wells. Since that time Amgas, for various reasons, has failed to purchase all the gas produced, resulting in the flaring of a majority of the casing head gas. For the last few months Amgas has been totally shut down and no gas has been purchased. It appears that it may be some time before the gathering and compressor system are put back into operations. Beard and the other operators in the East Pleasant Valley Field are making every effort to get Amgas or someone else, to resume the gas purchasing operation and hope this can be accomplished shortly. Until that is accomplished, John M. Beard is requesting permission to vent the gas produced in association with the oil production.

The following presents pertinent information in regard to these properties:

	<u>#1-34</u>	<u>#2-34</u>	<u>#3-34</u>
Avg. BOPD*	7.2	23	**5
Avg. MCFPD*	79.2	251	**20
Approx. MCFPD Used on Lease	20	20	20
Flared Gas - MCFPD	59	201	0

231?



\* March, 1988 average production.

\*\*Estimated average production. Shut-in from January, 1988 to May, 1988. Now back on production.

If you have questions or need additional information, please contact this office.

Very truly yours,

McIlnay & Associates, Inc.



Edward W. McIlnay, P.E.

EWM/ml

cc John M. Beard

well files

# McILNAY & ASSOCIATES, INC.



2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

**RECEIVED**  
MAY 31 1988

May 27, 1988

**DIVISION OF  
OIL, GAS & MINING**

Utah Natural Resources  
Div. of Oil, Gas & Mining  
355 W.N. Temple, Ste. 3100  
Salt Lake City, UT 84180

Re: Flaring of Gas - John M. Beard  
Federal #1-34 SE SE, Federal #2-34  
SW SE & Federal #3-34 NE SW  
Section 34-T8S-R18E - Lease 71-037812  
Uintah County, Utah

Gentlemen:

The attached reply from the Bureau of Land Management authorizing John M Beard to vent/flare produced natural gas from the referenced wells, is submitted for your files.

We will submit any requests for an extension of this 90 day permit or any additional information to your office.

If you have any questions or need any additional information, please do not hesitate to contact our office.

Very truly yours,

McILNAY & ASSOCIATES, INC.

*Sharon Orr*  
Sharon Orr

so

Attachment

cc: John M. Beard





# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 SOUTH 500 EAST  
VERNAL, UTAH 84078



IN REPLY REFER TO:

3162.7  
UT08438

McIlnay & Associates, Inc.  
2305 Oxford Lane  
Casper, WY 82604

Re: Request for Approval to Vent Gas

Gentlemen:

This office is in receipt of your request to vent/flare produced natural gas as a result of gathering system problems for the following wells:

Federal #1-34  
SE/SE 34-8S-18E  
Uintah County, Utah  
Lease U-37812

Federal #2-34  
SW/SE 34-8S-18E  
Uintah County, Utah  
Lease U-37812

Federal #3-34  
NE/SW 34-8S-18E  
Uintah County, Utah  
Lease U-37812

Given the reasoning of your request in that the operational aspects of the gathering system is beyond your control, this office authorizes John M. Beard to vent/flare produced natural gas from the above mentioned wells for a period of time not to exceed ninety (90) days. Should this situation still exist at the end of this approval period, a subsequent request for approval must be submitted to this office along with an update in regard to the Amsel gathering system.

Should you have any questions, please contact Jerry Kenczka of this office.

Sincerely,

  
Craig M. Hansen  
ADM for Minerals



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

June 23, 1988

Mr. Edward W. McIlnay  
McIlnay and Associates, Inc.  
2305 Oxford Lane  
Casper, Wyoming 82604

Dear Mr. McIlnay:

Re: Request for Gas Venting or Flaring Approval

The Division of Oil, Gas And Mining has received your letters dated May 10 and May 27, 1988, requesting approval of gas venting or flaring for the following wells in Uintah County, Utah:

Federal #1-34, Section 34, Township 8 South, Range 18 East  
Federal #2-34, Section 34, Township 8 South, Range 18 East  
Federal #3-34, Section 34, Township 8 South, Range 18 East

The submitted information was reviewed and discussed with the Board of Oil, Gas and Mining during the informal briefing session of their June 16, 1988 Board meeting.

The Board determined that your request to vent or flare gas from the subject wells shall be granted for a temporary period of time according to certain conditions of approval. The conditions of approval to vent or flare gas from the subject wells are as follows:

1. The approval to vent or flare gas shall extend from the effective date of the venting or flaring approval granted for these wells by the U.S. Bureau of Land Management (see attached federal approval letter) until August 25, 1988, which is the date of the scheduled Board meeting in August.
2. Because the Federal #3-34 well does not produce gas in excess of 25 MCFGPD, you may vent or flare gas from this well without approval in accordance with Rule R615-3-22 of the Oil and Gas Conservation General Rules.
3. For the remaining two wells, each well may be fully produced and associated gas vented or flared as long as its producing gas-oil ratio (GOR) remains 2000:1 or less as averaged on a monthly basis.

Page 2  
Mr. Edward W. McIlroy  
June 23, 1988

4. If the GOR exceeds 2000:1, the well may be produced on a restricted basis - the restricted rate of gas production being equivalent to what a well having a GOR of 2000:1 would produce at 100 percent deliverability, or alternatively, the restricted rate of gas production shall be 100 MCF per day maximum. You may vent or flare the greater of either amount.

Recent information received from the BLM indicates that the gas gathering problems mentioned in your request letter were to be resolved during the week of June 20, 1988, and transportation of gas was to resume. If this is the case, then this venting or flaring approval shall no longer be valid and a new request must be submitted and reviewed for any further venting or flaring.

If you have any further questions concerning this approval, please contact Mr. John Baza of this office.

Best regards,

  
for Dianne R. Nielson  
Director

JRB  
cc: U.S. Bureau of Land Management - Vernal  
R. J. Firth  
Well files -  
0458T-56-57

*flaring file*

# McILNAY & ASSOCIATES, INC.

**McILNAY**

2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

February 21, 1989

**RECEIVED**  
FEB 23 1989

Department of Natural Resources  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

DIVISION OF  
OIL, GAS & MINING

Re: Request for Gas Venting or Flaring - John M. Beard  
Federal #1-34, #2-34, #3-34, Section 34-T8S-R18E, Uintah Co., Utah

Gentlemen:

To assure that we are in compliance with the State of Utah's gas venting regulations, and on behalf of John M. Beard, our client, we are requesting permission of the Department of Natural Resources for the emergency and temporary venting of gas from the referenced wells.

During normal operations produced gas not utilized on the lease is gathered and sold. Emergency venting will be the results of the gas purchaser's compressor being down, freeze up of gas gathering systems and malfunction of other equipment used in the processing and transportation of the produced gas (i.e. treaters, separators, glycol units, etc.). Prediction of when these events might happen is impossible.

The following is a summary of average producing rates for oil and gas. These averages are based on the production for the month of December, 1989:

Federal #1-34	6.6 BOPD	74.23 Avg. MCF/D
Federal #2-34	16.5 BOPD	199.44 Avg. MCF/D
Federal #3-34	3.5 BOPD	*

\*Insufficient volume to measure. All gas used on lease.

If you have questions or need additional information, please give us a call.

Very truly yours,  
McILNAY & ASSOCIATES, INC.

*Edward W. McIlnay*  
Edward W. McIlnay P.E.

EWM/so

cc: Mr. Rob Prime, John M. Beard  
Mr. Russ Young, Pumper  
**Federal approval of this action is required before commencing operations.**

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

DATE: 2-7-89  
BY: John R. Bize  
*See attached Conditions of Approval.*

UTAH DIVISION OF OIL, GAS AND MINING  
CONDITIONS OF APPROVAL FOR GAS VENTING OR FLARING

Federal #1-34, #2-34, and #3-34 Wells  
Section 34, T. 8S, R. 18E  
Uintah County, Utah  
March 7, 1989

Reference document: Letter dated February 21, 1989, from McIlnay & Associates, Inc. to the Division

1. Gas may be vented or flared from the subject wells during periods of line failures, equipment malfunctions, blowouts, fires, or other emergencies if shutting in or restricting production from the well would cause waste or create adverse impact on the well or producing reservoir.
2. The operator shall provide immediate notification to the Division in all such cases in accordance with Rule R615-3-35, Reporting of Undesirable Events.
3. Upon notification, the Division shall determine if gas venting or flaring is justified and specify any additional conditions of approval as necessary.

OI3/56

# McILNAY & ASSOCIATES, INC.

**McILNAY**

2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

May 4, 1992

Bureau of Land Management  
170 S. 500 E.  
Vernal, UT 84078

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

Re: Flaring of Gas, John M. Beard, Operator, Lease 71-037812  
Federal #1-34, #2-34 & #3-34, Uintah County, Utah

Gentlemen:

*43-017-31497 Sec 34 85 18E*

On behalf of our client, John M. Beard, this letter is being written for the purpose of requesting permission to temporarily flare gas from the referenced wells. The necessity for the flaring is a loss of gas market. Hopefully, this situation will be resolved shortly. The following is a summary of production rates. These average rates are based on the reported production for the month of March, 1992.

<u>Well</u>	<u>Average BOPD</u>	<u>Average MCFD</u>
1-34	3.37	48.22
2-34	4.75	66.50
3-34	1.81	*19.35

\*All gas from the #3-34 is used on the lease, none goes to sales.

Gas production from these wells is primarily realized by producing the casing and tubing annulus. The annulus of each well (with exception of #3-34) is now shut in waiting on a gas market. The pumper estimates that gas, associated with oil production, being vented from the #1-34 and #2-34 does not exceed 25 MCFD. No gas is vented from the #3-34.

If you have questions or need additional information, please give me a call.

Very truly yours,

McILNAY & ASSOCIATES, INC.

  
Edward W. McIlnay, P.E.

EWM/so

cc: Mr. Rob Prime, John M. Beard  
Russ Young, Pumper

RECEIVED

MAY 08 1992

DIVISION OF  
OIL GAS & MINING



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

5. Lease Designation and Serial No.

U-37812

6. If Indian, Allottee or Tribe Name

---

7. If Unit or CA, Agreement Designation

---

8. Well Name and No.

Federal #3-34

9. API Well No.

4304731497

10. Field and Pool, or Exploratory Area

East Pleasant Valley

11. County or Parish, State

Uintah Co., UT

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

John M. Beard

3. Address and Telephone No.

c/o McIlnay & Associates, Inc.  
2305 Oxford Lane, Casper, WY 82604

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE SW Sec. 34-T8S-R18E, 1849' FWL and 1945' FSL

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 type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<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.)\*

Permission is requested of the BLM for the conversion of the Federal #3-34 into a produced water disposal well. To support this request a copy of the Application submitted to the State of Utah, Division of Oil, Gas and Mining is attached for your review.

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

Signed *[Signature]* Title Consutling Engineers Date June 26, 1992

(This space for Federal or State office use)

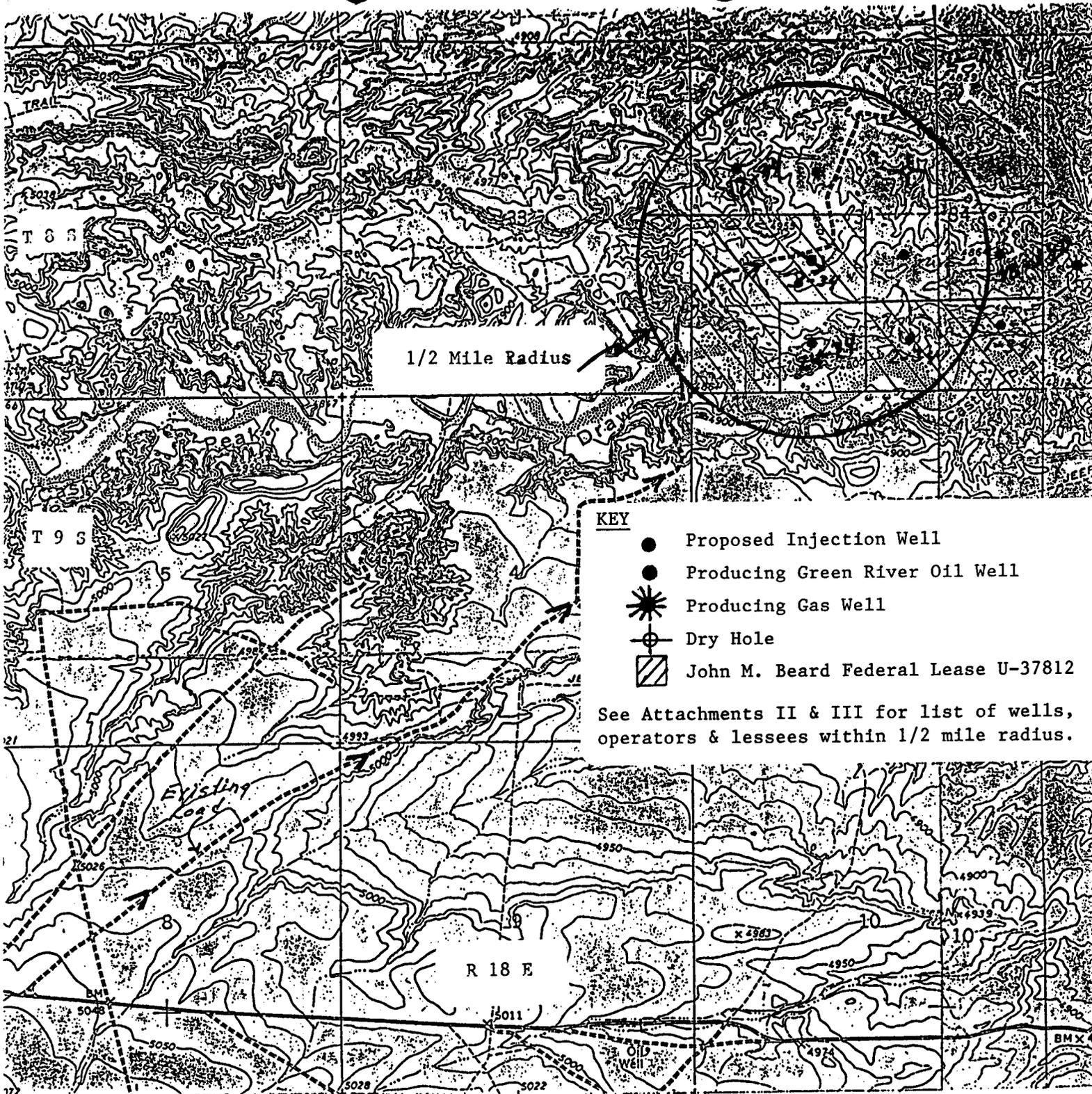
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and wilfully 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.

\*See Instruction on Reverse Side





Location of Wells Within 1/2 Mile Radius of Injection Well

List of Operators or Lessees of Record and Surface Owners  
Within One-Half Mile Radius of Proposed Project

Section 34-T8S-R18E

Lease No. U-37812 NW SW, NE SW, SW SW, SW SE, SE SE - Federal Surface

Operator or Lessee of Record:

John M. Beard  
3030 NW Expressway  
1405 Energy Plaza  
Oklahoma City, OK 73112

Lease No. U-51081 SW NW, NW NW, NE NW, SE NW, SW NE, SE NE, NW NE -  
Federal Surface

Operator or Lessee of Record

Wildrose Resource Corporation  
2555 Cherryridge Road  
Englewood, CO 80110

Starfighter Petroleum  
P.O. Box 101,  
Litchfield Park, AZ 85340

Lease No. U-45031 NE SE - Federal Surface

Operator or Lessee of Record

Wildrose Resource Corporation  
2555 Cherryridge Road  
Englewood, CO 80110

Lease No. U-30688 NW SE - Federal Surface

Operator or Lessee of Record

Wildrose Resource Corporation  
2555 Cherryridge Road  
Englewood, CO 80110

Lease No. U-58546 SE SW - Federal Surface

Operator or Lessee of Record

Starfighter Petroleum  
P.O. Box 101,  
Litchfield Park, AZ 85340

Section 33-T8S-R18E

Lease No. U-51081 SE NE - Federal Surface

Operator or Lessee of Record  
Wildrose Resource Corporation  
2555 Cherryridge Road  
Englewood, CO 80110

Lease No. U-65969 NE SE, SE SE - Federal Surface

Operator or Lessee of Record  
Yates Petroleum  
105 S. 4th St.  
Artesia, NM 88210

Andover Partners  
1001 Fannin, Ste. 2000  
Houston, TX 77002

Chorney Oil Company  
555 17th St.,  
Denver, CO 80202

Lease No. U-16539 NW NE, NE NW, NW NW - Federal Surface

Operator or Lessee of Record  
PG&E Resources  
5950 Brookshire Lane, Ste. 1000  
Dallas, TX 75225

Raymond Chorney  
555 17th St.,  
Denver, CO 80202

Proposal Summary for Subsurface Produced Water Disposal

Pleasant Valley Field  
Uintah Co., Utah

Operator: John M. Beard  
c/o McIlnay & Associates, Inc.  
2305 Oxford Lane  
Casper, WY 82604

Proposed Disposal Well: Federal #3-34  
Pleasant Valley Field  
NE SW Sec. 34-T8S-R18E  
Uintah Co., Utah

Current & Proposed Wellbore Conditions (See Attachment V):

Surface Casing: 8 5/8", 24#/ft., K55, Casing set @ 307' KB  
Cemented to surface (Casing new when installed).

Production Casing: 5½", 17#/ft., K55, Casing set @ 6202' KB  
(casing new when installed). Cemented with 165 sx. Howco  
Hi Fill w/3% CaCl. Tail end slurry 340 sx. Class "A" Thix-o-Tropic  
with 2% Cal Seal.

PBD: 6156' KB.

Measured Cement Top (CBL): 2150' KB.

Current Producing & Proposed Disposal Reservoir:  
(See Attachment VII & open hole LDTC-CNL-GR log for geological detail, sample  
descriptions, etc.)

Perforations (Current & Proposed)

5789 - 5783 - 13 holes  
5773 - 5772 - 2 holes  
5761 - 5759 - 3 holes  
5685 - 5676 - 10 holes  
5642 - 5638 - 5 holes  
5214 - 5202 - 13 holes  
5176 - 5170 - 7 holes  
5165 - 5154 - 12 holes  
4376 - 4364 - 25 holes

Total 61' and 90 holes

Proposed Injection Tubing String: 2 7/8", 6.5#/ft., EUE, J-55 tubing  
Equipped with a Lok-Set type packer and set at = 4300' KB.

Packer Fluid:

Fresh water containing oxygen scavenger and other appropriate corrosion inhibitors.

Anticipated Injection Rate

Federal #1-34 - 30 BWPM

Federal #2-34 - 65 BWPM

94 BWPM

(See Attachments VIa, VIb, & VIc for Water Quality Analysis)

Anticipated Surface Injection Pressure:

Minimum - vacuum

Maximum - 300 psig

Average - 150 psig

Green River Fracture Gradient Determination

Based on data from acid breakdowns of the Green River zones treated in the Federal #3-34 the following was determined.

Fracture Gradient 0.70 psig/ft.

Mid Point of Green River Perforations proposed for injecting produced water into - 5080'

Calculated Fracture Pressure - 3555 psig

Casing Integrity Testing and Monitoring:

Procedures

1. Pressure test 5½" casing x 2 7/8" tubing annulus to 500 psig for 15 minutes prior to commencement of injection.
2. Monitor pressure on casing/tubing annulus and report monthly on gauge reports.
3. Every two (2) years pressure test casing/tubing annulus to 500 psig.

Wells Within One-Half Mile Radius of  
Proposed Water Disposal Well Federal #3-34

Section 34-T8S-R18E

<u>Well</u>	<u>Location</u>	<u>Operator</u>	<u>Status</u>	<u>Formation</u>
Federal #12-34	SW NW	Wildrose Resource Corp.	Prod/Oil	Green River
Federal #43-34D*	NE SE	" " "	Prod/Oil	Green River
Federal #33-34D	NW SE	" " "	Prod/Oil	Green River
Federal #42-34D*	SE NE	" " "	Prod/Oil	Green River
Federal #24-34	SE SW	Starfighter Petroleum	Prod/Oil	Green River
Federal #1-34*	SE SE	John M. Beard	Prod/Oil	Green River
Federal #2-34	SW SE	" "	Prod/Oil	Green River
Federal #3-34**	NE SW	" "	Prod/Oil	Green River
Unknown	SW NE	PG&E	P&A	

\* Just outside 1/2 mile radius area.

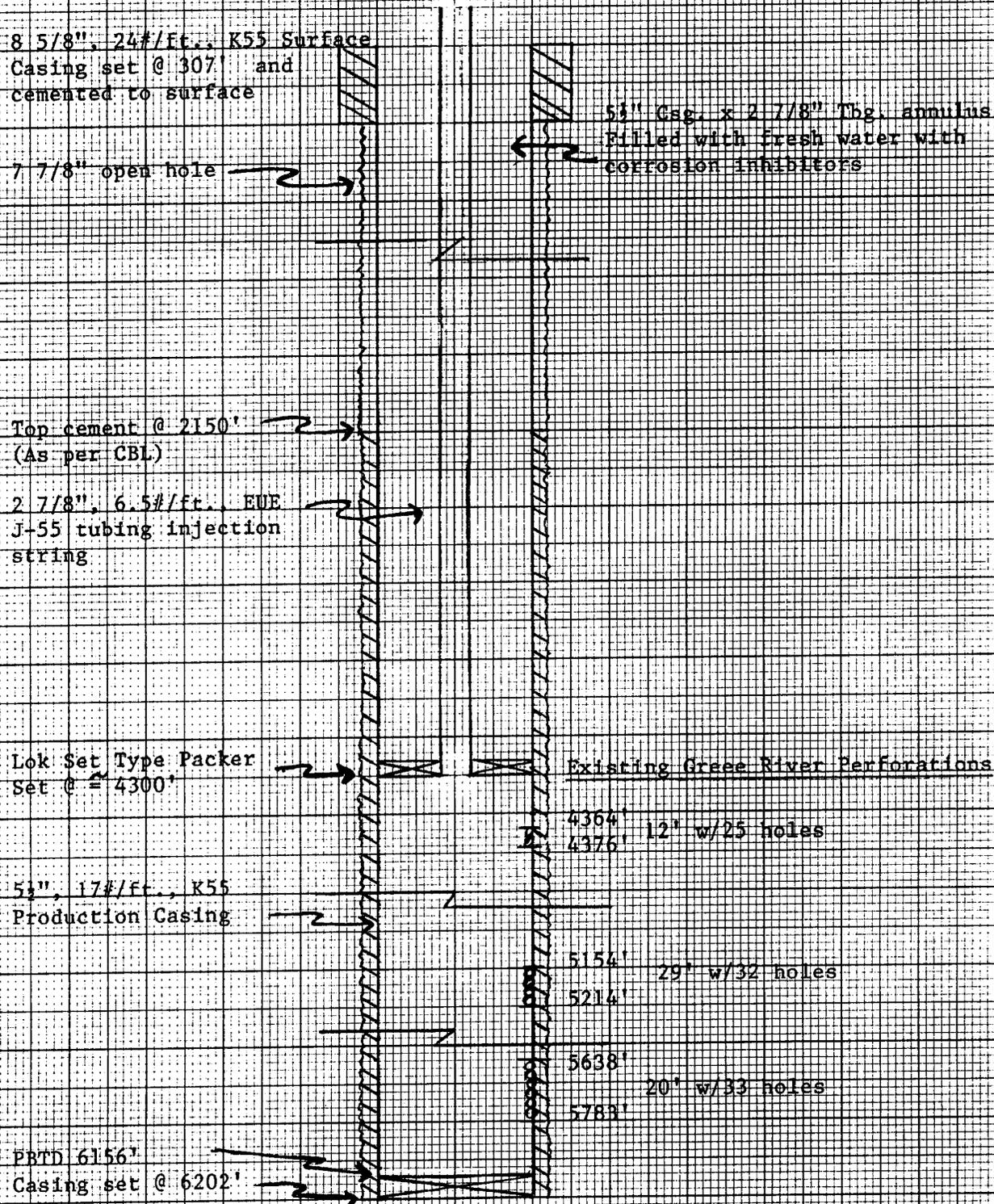
\*\* Proposed Injection Well.

WELL CONFIGURATION FOR WATER DISPOSAL

Operator: John M. Beard  
 Federal #3-34, Lease No. U-37812  
 NE SW Section 34-T8S-R18E, Uintah Co., Utah

46 1320

K&Σ 10 X 10 TO 1/2 INCH 7 X 10 INCHES  
 KEUFFEL & ESSER CO. MADE IN U.S.A.



All measurements KB - Not to Scale

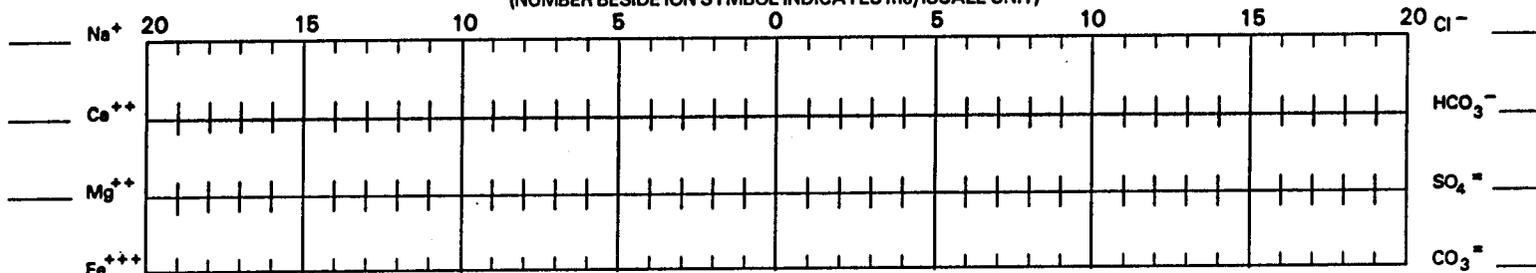
**EXXON CHEMICAL COMPANY**  
P.O. Box 4321 Houston, Texas 77210-4321  
Tel. (713) 460-8800 Telex: 4942225 ENCEHOU

834-0122

**WATER ANALYSIS REPORT**

							SHEET NUMBER
COMPANY John Beard Oil							DATE 5/22/92
FIELD Pariette Bench				COUNTY OR PARISH Duchesne County		STATE Utah	
LEASE OR UNIT Federal 1-34		SAMPLE SOURCE Production Tank			WATER SOURCE (FORMATION) Green River		
DEPTH FT. 6000'	BHT, °F 140°	SAMPLE SOURCE	TEMP., °F	WATER, BBL/DAY 1	OIL, BBL/DAY 3	GAS, MMCF/DAY	
DATE SAMPLED 5/20/92		TYPE OF WATER: <input checked="" type="checkbox"/> PRODUCED <input type="checkbox"/> SUPPLY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> SALTWATER DISPOSAL					
		TYPE OF PRODUCTION: <input checked="" type="checkbox"/> PRIMARY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> CO <sub>2</sub> FLOOD <input type="checkbox"/> POLYMER FLOOD <input type="checkbox"/> STEAMFLOOD					

**WATER ANALYSIS PATTERN**  
(NUMBER BESIDE ION SYMBOL INDICATES me/ISCALE UNIT)



DISSOLVED SOLIDS			DISSOLVED GASES	
CATIONS	me/l	mg/l		
TOTAL HARDNESS	20.0	---	HYDROGEN SULFIDE, H <sub>2</sub> S	98 mg/l
CALCIUM, Ca <sup>++</sup>	5.0	100.0	CARBON DIOXIDE, CO <sub>2</sub>	∅ mg/l
MAGNESIUM, Mg <sup>++</sup>	15.0	183.0	OXYGEN, O <sub>2</sub>	---
IRON (TOTAL) Fe <sup>+++</sup>	.94	17.5	PHYSICAL PROPERTIES	
BARIUM, Ba <sup>++</sup>	.2	15.0	pH	8.0
SODIUM, Na <sup>+</sup> (CALC.)	306.86	7057.78	Eh (REDOX POTENTIAL)	25.0 MV
			SPECIFIC GRAVITY	
			TURBIDITY, FTU UNITS	
ANIONS	me/l	mg/l	TOTAL DISSOLVED SOLIDS (CALC.)	18,960 mg/l
CHLORIDE, Cl <sup>-</sup>	310.0	11,000.0	STABILITY INDEX @ 77 °F	+ .1
SULFATE, SO <sub>4</sub> <sup>=</sup>	3.0	145.0	@ 104 °F	+ .4
CARBONATE, CO <sub>3</sub> <sup>=</sup>	8.0	240.0	@ 140 °F	+1.0
BICARBONATE, HCO <sub>3</sub> <sup>-</sup>	2.0	122.0	@ 158 °F	+1.25
HYDROXYL, OH <sup>-</sup>	∅	∅	@ °F	
SULFIDE, S <sup>=</sup>	5.0	80.0		mg/l
PF/MF	.2/.5		MAX. CaSO <sub>4</sub> POSSIBLE (CALC.)	mg/l
			MAX. BaSO <sub>4</sub> POSSIBLE (CALC.)	mg/l
			RESIDUAL HYDROCARBONS	ppm (Vol/Vol)

SUSPENDED SOLIDS (QUALITATIVE)     IRON SULFIDE     IRON OXIDE     CALCIUM CARBONATE     CALCIUM SULFATE     ACID INSOLUBLE

## REMARKS AND RECOMMENDATIONS:

At 140° the well has a moderate tendency of scaling.

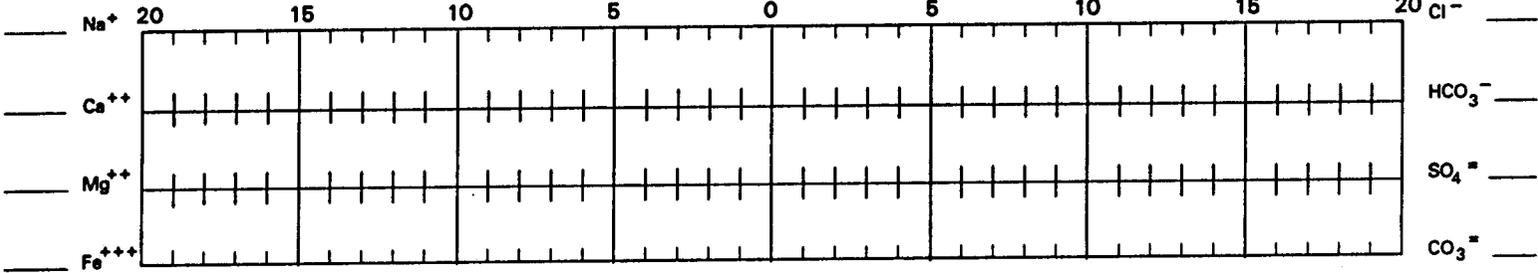
EC ENGINEER Creg Wilkins	DIST. NO. 832	ADDRESS Vernal, Utah	OFFICE PHONE 789-2069	HOME PHONE
ANALYZED BY Creg Wilkins	DATE 5/22/92	DISTRIBUTION <input checked="" type="checkbox"/> CUSTOMER <input type="checkbox"/> EC ENGINEER	<input type="checkbox"/> REGION	<input checked="" type="checkbox"/> DISTRICT <input type="checkbox"/>

## WATER ANALYSIS REPORT

EXXON CHEMICAL COMPANY  
P.O. Box 4321 Houston, Texas 77210-4321  
Tel. (713) 480-8800 Telex: 4942225 ENCEHO

						SHEET NUMBER
COMPANY John Beard Oil						DATE 5/22/92
FIELD Pariette Bench				COUNTY OR PARISH Duchesne County		STATE Utah
LEASE OR UNIT Federal 2-34		SAMPLE SOURCE Production Tank			WATER SOURCE (FORMATION) Green River	
DEPTH FT. 6000'	BHT, °F 140°	SAMPLE SOURCE	TEMP., °F	WATER, BBL/DAY 2	OIL, BBL/DAY 6	GAS, MMCF/DAY
DATE SAMPLED 5/20/92		TYPE OF WATER: <input checked="" type="checkbox"/> PRODUCED <input type="checkbox"/> SUPPLY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> SALTWATER DISPOSAL				
		TYPE OF PRODUCTION: <input checked="" type="checkbox"/> PRIMARY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> CO <sub>2</sub> FLOOD <input type="checkbox"/> POLYMER FLOOD <input type="checkbox"/> STEAMFLOOD				

WATER ANALYSIS PATTERN  
(NUMBER BESIDE ION SYMBOL INDICATES mg/SCALE UNIT)



DISSOLVED SOLIDS			DISSOLVED GASES			
CATIONS	me/l	mg/l				
TOTAL HARDNESS	15.0	---	HYDROGEN SULFIDE, H <sub>2</sub> S	98 mg/l		
CALCIUM, Ca <sup>++</sup>	4.0	80.0	CARBON DIOXIDE, CO <sub>2</sub>	0 mg/l		
MAGNESIUM, Mg <sup>++</sup>	11.0	134.2	OXYGEN, O <sub>2</sub>	---		
IRON (TOTAL) Fe <sup>+++</sup>	0.9	16.7	PHYSICAL PROPERTIES			
BARIIUM, Ba <sup>++</sup>	1.3	90.0			pH	9.5
SODIUM, Na <sup>+</sup> (CALC.)	391.0	8993.0			Eh (REDOX POTENTIAL)	62.5 MV
					SPECIFIC GRAVITY	
ANIONS	me/l	mg/l	TURBIDITY, FTU UNITS			
CHLORIDE, Cl <sup>-</sup>	346.0	12,300.0	TOTAL DISSOLVED SOLIDS (CALC.)	24,102 mg/l		
SULFATE, SO <sub>4</sub> <sup>=</sup>	5.2	250.0	STABILITY INDEX @ 77 °F	+2.5		
CARBONATE, CO <sub>3</sub> <sup>=</sup>	28.0	720.0	@ 104 °F	+2.85		
BICARBONATE, HCO <sub>3</sub> <sup>-</sup>	24.0	1464.0	@ 140 °F	+3.4		
HYDROXYL, OH <sup>-</sup>	0	0	@ 158 °F	+3.7		
SULFIDE, S <sup>=</sup>	5.0	80.0	@ °F			
PF/MF	7/2.6		MAX. CaSO <sub>4</sub> POSSIBLE (CALC.)	mg/l		
			MAX. BaSO <sub>4</sub> POSSIBLE (CALC.)	mg/l		
			RESIDUAL HYDROCARBONS	ppm (Vol/Vol)		

SUSPENDED SOLIDS (QUALITATIVE)  IRON SULFIDE  IRON OXIDE  CALCIUM CARBONATE  CALCIUM SULFATE  ACID INSOLUBLE

## REMARKS AND RECOMMENDATIONS:

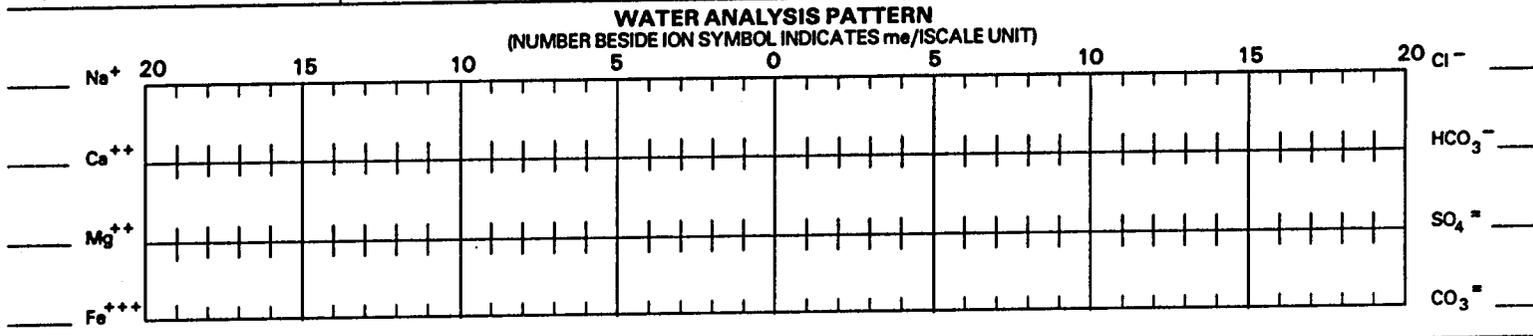
This well has a strong scaling tendency.

EC ENGINEER Creg Wilkins	DIST. NO. 832	ADDRESS Vernal, Utah	OFFICE PHONE 789-2069	HOME PHONE
ANALYZED BY Creg Wilkins	DATE 5/22/92	DISTRIBUTION <input checked="" type="checkbox"/> CUSTOMER <input type="checkbox"/> EC ENGINEER	<input type="checkbox"/> REGION	<input checked="" type="checkbox"/> DISTRICT <input type="checkbox"/>

**WATER ANALYSIS REPORT**

**EXXON CHEMICAL COMPANY**  
 P.O. Box 4321 Houston, Texas 77210-4321  
 Tel. (713) 460-6800 Telex: 4942225 ENCEHOU

COMPANY <b>John Beard Oil</b>							SHEET NUMBER
FIELD <b>Pariette Bench</b>					COUNTY OR PARISH <b>Duchesne County</b>	DATE <b>5/22/92</b>	
LEASE OR UNIT <b>Federal 3-34</b>		SAMPLE SOURCE <b>Production Tank</b>			WATER SOURCE (FORMATION) <b>Green River</b>		
DEPTH FT. <b>6000'</b>	BHT, °F <b>140°</b>	SAMPLE SOURCE	TEMP., °F	WATER, BBL/DAY <b>3</b>	OIL, BBL/DAY <b>2</b>	GAS, MMCF/DAY	
DATE SAMPLED <b>5/20/92</b>		TYPE OF WATER: <input checked="" type="checkbox"/> PRODUCED <input type="checkbox"/> SUPPLY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> SALTWATER DISPOSAL					
		TYPE OF PRODUCTION: <input checked="" type="checkbox"/> PRIMARY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> CO <sub>2</sub> FLOOD <input type="checkbox"/> POLYMER FLOOD <input type="checkbox"/> STEAMFLOOD					



DISSOLVED SOLIDS			DISSOLVED GASES	
CATIONS	me/l	mg/l		
TOTAL HARDNESS	14.0	---	HYDROGEN SULFIDE, H <sub>2</sub> S	98 mg/l
CALCIUM, Ca <sup>++</sup>	4.0	80.0	CARBON DIOXIDE, CO <sub>2</sub>	∅ mg/l
MAGNESIUM, Mg <sup>++</sup>	10.0	122.0	OXYGEN, O <sub>2</sub>	--- mg/l
IRON (TOTAL) Fe <sup>+++</sup>	.17	3.1	PHYSICAL PROPERTIES	
BARIUM, Ba <sup>++</sup>	.18	12.0	pH	8.5
SODIUM, Na <sup>+</sup> (CALC.)	365.25	8400.75	Eh (REDOX POTENTIAL)	MV
			SPECIFIC GRAVITY	
			TURBIDITY, FTU UNITS	
ANIONS	me/l	mg/l	TOTAL DISSOLVED SOLIDS (CALC.)	21,730 mg/l
CHLORIDE, Cl <sup>-</sup>	352.0	12,500.0	STABILITY INDEX @ 77 °F	+1.1
SULFATE, SO <sub>4</sub> <sup>--</sup>	2.6	125.0	@ 104 °F	+1.45
CARBONATE, CO <sub>3</sub> <sup>--</sup>	12.0	360.0	@ 140 °F	+2.05
BICARBONATE, HCO <sub>3</sub> <sup>-</sup>	8.0	488.0	CaSO <sub>4</sub> SOLUBILITY @ 154 °F	+2.25 mg/l
HYDROXYL, OH <sup>-</sup>	∅	∅	@ °F	mg/l
SULFIDE, S <sup>--</sup>	5.0	80.0	MAX. CaSO <sub>4</sub> POSSIBLE (CALC.)	mg/l
PF/MF	.3/1.0		MAX. BaSO <sub>4</sub> POSSIBLE (CALC.)	mg/l
			RESIDUAL HYDROCARBONS	ppm (Vol/Vol)

SUSPENDED SOLIDS (QUALITATIVE)     IRON SULFIDE     IRON OXIDE     CALCIUM CARBONATE     CALCIUM SULFATE     ACID INSOLUBLE

REMARKS AND RECOMMENDATIONS:  
 This well has a moderate scaling tendency.

EC ENGINEER <b>Creg Wilkins</b>	DIST. NO. <b>832</b>	ADDRESS <b>Vernal, Utah</b>	OFFICE PHONE <b>789-2069</b>	HOME PHONE
ANALYZED BY <b>Creg Wilkins</b>	DATE <b>5/22/91</b>	DISTRIBUTION <input checked="" type="checkbox"/> CUSTOMER <input type="checkbox"/> EC ENGINEER	<input type="checkbox"/> REGION	<input checked="" type="checkbox"/> DISTRICT

JOHN M. BEARD  
FEDERAL #3-34  
NE/SW SECTION 34-T8S-R18E  
UINTAH COUNTY, UTAH

GEOLOGIC REPORT  
BY  
ART CURTIS  
ROCKY MOUNTAIN GEO-ENGINEERING COMPANY

WELL SUMMARY

OPERATOR: JOHN M. BEARD  
WELL NAME: FEDERAL #3-34  
LOCATION: NE/SW SECTION 34-T8S-R18E  
FOOTAGE: FWL 1840' - FSL 1945'  
AREA: EAST PLEASANT VALLEY  
COUNTY: UINTAH  
STATE: UTAH  
ELEVATION: GL 4856' - KB 4868'  
DRILLING ENGINEER: McILNAY-ADAMS, INC.  
C. K. ADAMS  
WELLSITE GEOLOGY: ROCKY MOUNTAIN GEO-ENGINEERING COMPANY  
GEOLOGIST: ART CURTIS  
SPUD DATE: 8/28/84  
TOTAL DEPTH DATE: 9/2/84  
TOTAL DEPTH: 6200'  
CONTRACTOR: OLSEN DRILLING - RIG #5  
HOLE SIZE: 7 7/8" TO T. D.  
CASING RECORD: 8 5/8" TO 305'; 5 1/2" TO T.D.  
MUD LOGGING: ROCKY MOUNTAIN GEO-ENGINEERING COMPANY  
ENGINEER: ART CURTIS  
ELECTRIC LOGGING: SCHLUMBERGER, GRAND JUNCTION, COLORADO  
ENGINEER: BILL HEIAM  
TYPE OF LOGS RUN: DIL-GR (SURFACE - T.D.)  
LDTG-CNL-GR-CCS (3500' - T.D.)  
OBJECTIVE: GREEN RIVER SANDS  
STATUS: RUN 5 1/2" PRODUCTION CASING

SAMPLE DESCRIPTION

3500-3530	70% SH tan-mbrn dol-lmy slmica fiss-blky brit-sft w/ <u>FLOR briyel/CUT</u> wk
	30% LS buf-tan micxl mnrl dol ip sm/chk ang brit dns w/ <u>FLOR AA /CUT</u> slo mlky
3530-3590	50% SH AA
	50% LS AA
3590-3650	70% SH bcmg gy-gygn dol slty slpyr fiss-blky brit-sft
	30% LS AA
3650-3710	90% SH AA w/OIL SH bcmg gy-gygn ip sm/slty
	10% LS AA
3710-3740	70% SH AA
	30% LS buf-tan micxl mnrl dol ip blky-ang dns brit-frm w/ <u>FLOR briyel/CUT</u> wk
3740-3770	90% SH AA
	10% LS AA
3770-3830	100% SH gy-gybrn slty calc scat vf pyr plty-blky brit
3830-3860	60% SH AA
	40% LS tan-brn crm gybrn mic-vfxl mnrl dol ip mica ip /occ foss ost fiss-blky sft-brit dns w/ <u>FLOR briyel/CUT</u> wk/spotty brn STN
3860-3890	60% LS AA
	40% SH AA
3890-3920	80% LS AA
	20% SH AA
3920-3980	60% SH AA
	20% LS AA
	20% SS ofwh-ltbrn fg-occ mg ang m-wsrt m-wcmt mica slcalc fri tt w/ <u>FLOR bl-wh/CUT</u> wh fast strmg/ <u>STN</u> even ltbrn w/occ dkbrn-blky intgran <u>STN</u>
3980-4010	70% SH gy-gygn sl-mcalc mica slty ip wxy ip plty-blky sft-frm
	30% LS AA
4010-4040	60% LS crm-mbrn w/sm dkbrn-dkgybrn mic-cxl mnrl dol ip w/sm INDST FOSS FRAGS sm/mic fiss-blky sft-mhd dns w/ <u>FLOR yelgn/CUT</u> yel-gn slo strmg/ <u>STN</u> dkbrn spotty
4040-4130	70% SH gy-gygn lav-brn mot ip wxy ip sl-mcalc mica ip /occ slty blky- hckly frm
	30% LS AA fair SHOW TR PYR mas
4130-4190	60% SH AA
	40% LS tan-dkbrn w/sm dkgybrn mic-cxl mnrl dol ip chk ip sm/pyr /occ INDST FOSS FRAGS plty-ang sft-mhd dns w/ <u>FLOR yelgn/CUT</u> AA
4190-4220	80% SH gy-gygn w/sm lav-brn sl-mcalc slty ip wxy ip scat vf-pyr plty- blky frm
	20% LS AA
4220-4250	50% SH AA
	50% LS AA w/ <u>FLOR AA/CUT</u> AA/ <u>STN</u> dkbrn
4250-4280	100% SH gy-gygn mcalc slty-vslty ip smth ip scat vf-pyr plty-blky brit-sft
4280-4310	NS
4310-4340	100% SH AA
4340-4360	70% SH AA

JOHN M. BEARD  
FEDERAL #3-34  
SAMPLE DESCRIPTION CONT.

30% SS clr-ltgy vfg wsrt wcmt calc fri w/  
FLOR yel-gn/CUT mlky/STN spotty ltbrn

4360-4380 100% SH AA

4380-4400 80% SH gygn-gybrn slty calc plty-blky brit-sft  
20% SS ltgy vfg ang wsrt wcmt calc fri w/  
FLOR yel-gn spotty/CUT mlky/STN spotty ltbrn

4400-4410 100% SH gygn-gybrn slty calc plty-blky brit-sft

4410-4420 50% SH AA  
50% SS AA NSFOC

4420-4450 100% SH dkgy-dkgybrn mcalc slty ip fiss-blky brit

4450-4500 100% SH AA w/gy-gygn slty calc brit-frm

4500-4520 80% SH AA  
20% SS ltgy vfg ang wsrt mcmt calc fri NSFOC

4520-4540 100% SH gybrn-gygn slty-vsly m-vcalc plty-sbplty brit-sft

4540-4560 60% DOL brn-dkgybrn mic-vfxl arg-varg fiss-blky sft-frm dns w/  
FLOR dul yel-gn/CUT yel-gn mod strmg/STN dkbrn-blk

4560-4570 40% SH AA  
60% SH AA  
20% DOL AA  
20% SS ofwh-ltgy tan f-vfg ang-sbang mcmt calc mica w/sm pyr fri w/  
FLOR yel-gn/CUT wk yel-gn/STN spotty ltbrn

4570-4580 60% SH AA  
40% SS AA

4580-4590 80% SH lt-mgy ltgybrn slty-vsly pyr calc plty-sbplty brit-sft  
20% SS AA

4590-4600 100% SH AA

4600-4620 80% SH AA  
20% SS AA w/  
FLOR AA/CUT m-strmg yel-gn/STN spotty ltbrn

4620-4660 100% SH AA w/brn-gybrn dol fiss-blky sft-frm

4660-4670 60% SH AA  
40% SS ltg y vfg ang wsrt m-wcmt calc mica fri tt NFSOC

4670-4700 100% SH gy smth-slty sl-mcalc pyr ip plty-blky frm

4700-4710 70% SH AA  
30% SS ltgy tan-brn f-vfg sbang m-wsrt m-wcmt calc slty ip mica ip fri w/  
FLOR spotty yel-gn/CUT yel-gn slo strmg/STN

4710-4740 50% SS AA  
50% SH AA gy smth-slty

4740-4750 90% SH AA  
10% SS AA

4750-4780 60% SH AA  
40% SS ofwh-ltgy vfg sbang wsrt mcmt calc mica ip slty ip fri w/  
TR FLOR yel-gn/CUT wk/NO STN

4780-4790 80% SH gy smth-slty calc pyr ip mica ip plty-blky brit-sft  
20% SS AA w/wk SHOW

4790-4800 60% SS AA  
40% SH AA

4800-4820 50% SS AA  
50% SH AA

4820-4830 60% SS ltgy-ltbrn vfg wsrt wcmt slty calc fri tt w/  
FLOR dul yel-gn/CUT wk/STN spotty ltbrn

4830-4850 40% SH AA  
50% SS AA  
50% SH AA

4850-4860 60% SS AA  
40% SH AA

JOHN M. BEARD  
 FEDERAL #3-34  
SAMPLE DESCRIPTION CONT.

4860-4890 70% SH gy-gygn gybrn m-vcalc slty ip mica ip w/sm pyr fiss-blky brit-sft  
 30% SS AA slty tt w/  
FLOR spotty yel-gn/CUT wk/STN sm ltbrn

4890-4910 60% SS ltgy-gybrn vfg ang-sbang wsrt wcmt calc arg slty fri tt w/  
FLOR /CUT /STN AA

4910-4950 40% SH AA  
 70% SH AA  
 30% SS AA

4950-5020 60% SH ltgy-gygn ltgybrn slty ip calc-vcalc /sm pyr plty-blky sft  
 40% SS AA slty w/  
FLOR dul yel-gn/CUT slo strmg mlky/STN ltbrn

5020-5060 70% SH AA  
 30% SS AA slty w/wk SHOW

5060-5080 100% SH AA /incr brn-gybrn & decr slty

5080-5090 60% SH AA  
 40% LS mbrn-gybrn mic-fxl arg plty-ang brit-sft dns-fair sln & intxl Ø /  
FLOR yel-orng/CUT flash strmg yel/STN sm dkbrn

5090-5100 50% LS AA  
 50% SH AA

5100-5140 70% SH gy-gygn gybrn calc-lmy slty ip plty-fiss sft-slfrm w/sm grdg to LS  
 30% LS arg AA decr SHOW

5140-5160 70% SH AA  
 30% SS clr-ltgy ltbrn vfg occ/fltg cg m-wsrt mcmt slty calc arg ip fri tt/  
FLOR dul yel/CUT flash strmg/STN spotty

5160-5170 60% SH AA  
 40% SS AA/fair SHOW

5170-5200 60% SS gy-ltbrn f-vfg /occ fltg mg ang-sbang calc slty ip arg ip fri w/tt-  
 f-VIS Ø /FLOR dul yel/CUT fast strmg yel/STN ip lt-dkbrn

5200-5240 40% SH gy-gygn gybrn AA  
 80% SH gy-occ gybrn dol slty ip mica ip plty-blky sft-slfrm  
 20% SS AA bcmg pred ltgy vfg /decr SHOW

5240-5260 100% SH gy-gybrn slty calc-vcalc plty-blky sft-slfrm

5260-5300 80% SH AA slty  
 20% SS ofwh-ltgy /sm ltbrn vfg sbang wsrt m-wcmt calc arg ip w/sm mica fri  
 tt-poor VIS Ø/FLOR spotty dul yel/CUT pale yel slo strmg/STN spot ltbrn

5300-5310 60% SH AA  
 40% SS AA

5310-5360 80% SH gy-ltgybrn slty slcalc sbplty-blky sft-slfrm  
 20% SS AA w/wk SHOW

5360-5400 60% SS ltgy-ltbrn vfg sbrd wsrt wcmt slcalc slty fri tt-poor  
 40% SH aa

5400-5410 80% SH ltgy slty calc fiss-blky sft  
 20% SS AA

5410-5420 100% SH AA

5420-5440 80% SH AA  
 20% SS ltgy-ltbrn vfg sbrd wsrt wcmt slcalc slty arg ip fri w/tt-p VIS Ø/  
FLOR yel-gn/CUT slo-mod strmg pale yel/STN even ltbrn

5440-5460 60% SH AA  
 40% SS AA

5460-5470 80% SH AA  
 20% SS AA

5470-5500 90% SH dkgy-blk brn carb dol fiss-blky brit-sft w/  
FLOR dul yel/CUT slo-m strmg pale yel  
 10% SS AA

5500-5520 100% SH AA w/gy smth slcalc fiss frm

5520-5540 100% SH gy-gybrn slty-smth sl-mcalc fiss-blky sft-slfrm

5540-5600 100% SH dkgy-blk carb dol fiss brit-sft w/

JOHN M. BEARD  
 FEDERAL #3-34  
SAMPLE DESCRIPTION CONT.

5600-5610 100% FLOR dul orng/CUT slo strmg yel  
 5610-5630 80% SH AA gy-dkgy  
 20% LS ofwh-brn mic-vfxl slty ip chk ip fiss sft dns w/  
FLOR spot dul yel/CUT wk  
 5630-5640 60% SH AA  
 40% LS AA  
 5640-5650 60% SH gy slty-smth calc plty-blky sft  
 40% SS wh-ltgy /occ ltbrn vfg sbrd wsrt wcmnt calc fri tt w/  
FLOR dul yel/CUT slo strmg yel/TR STN ltbrn  
 5650-5700 80% SH AA  
 20% SS AA /wk SHOW  
 5700-5720 50% SH AA  
 50% SS tan-ltbrn fg fltg m-cg sbrd-rdd p-msrt p-mcmt slcalc. fri lse grs/  
 VIS ø fair/FLOR ltgn/CUT blgn fast strmg/STN even ltbrn/STN spotty  
 dkbrn intgran  
 5720-5730 80% SH AA w/dkgy-blk carb calc fiss brit  
 20% SS AA bcmg f-vfg w/decr SHOW  
 5730-5770 80% SH AA  
 20% SS clr-wh f-mg ang-sbang psrt pcmt cln fri w/  
FLOR spot yel-gn/CUT wk/NO STN  
 5770-5780 70% SH AA  
 30% SS clr-wh f-cg sbang-sbrd psrt pcmt lse cln vfg g VIS ø w/  
FLOR bri yelgn vslo strmg yel-gn CUT/TR ltbrn STN  
 5780-5790 60% SS AA  
 40% SH AA  
 5790-5810 80% SS AA  
 20% SH AA  
 5810-5830 90% SH gy-gybrn dkgy slty carb ip m-vcalc fiss-plty brit-frn  
 10% SS AA  
 5830-5850 100% SH AA bcmg gy smth decr dkgy carb  
 5850-5870 70% SH AA  
 30% SS clr-ltgy w/sm gybrn m-vfg sbang-sbrd psrt p-mcmt fri tt f-VIS ø  
FLOR ltgn/CUT vw/STN spotty ltbrn  
 5870-5880 70% LS dkgy-blk dkby brn mic-vfxl carb arg fiss sft dns NFSOC  
 30% SH AA  
 5880-5890 60% SS ofwh-ltgy ltgybrn f-vfg sbang-sbrd m-wsrt m-wcmt calc slty fri tt  
FLOR ltgn spotty/CUT wk/STN spot ltbrn  
 40% SH AA  
 5890-5900 80% SH gy-gybrn w/sm gygn smth-slty calc fiss-blky sft-frn  
 20% SS AA  
 5900-5920 100% SH AA w/dkgy-dkgybrn carb calc fiss brit-sft  
 5920-5930 60% SH AA  
 40% SS ofwh-ltbrn frst f-vfg sbang-sbrd m-wsrt m-wcmt calc slty ip fri  
 tt-fair VIS/FLOR pale yel slo strmg/STN brn spotty  
 5930-5940 70% LS dkgy-dkbrn arg-varg carb fiss brit-sft dns w/  
 TR FLOR ltgn/CUT wk  
 30% SH AA  
 5940-5950 60% LS AA  
 40% SH AA  
 5950-5960 40% LS AA  
 40% DOL brn mic-vfxl arg blky sft dns w/  
FLOR dul yel spotty/CUT wk  
 20% SH AA  
 5960-5970 40% LS AA  
 40% SH AA  
 20% DOL AA

JOHN M. BEARD  
FEDERAL #3-34  
SAMPLE DESCRIPTION CONT.

5970-5980 40% SS ofwh-1tgy vfg wsrt wcmr calc slty fri tt w/  
FLOR dul gn/CUT wk mlky/NO STN  
30% LS AA  
30% SH AA  
5980-5990 80% SH 1t-mgy w/sm gybrn sl-mcalc smth-slty plty-fiss sft-frm  
20% SS AA  
5990-6040 100% SH AA  
6040-6060 100% LS dkgy-blk mic-vfxl carb arg brit NO VIS Ø NSFOC  
6060-6080 60% LS AA  
20% SH dkgy-blk sl-vcalc carb fiss brit-sft grdg to arg LS  
20% DOL brn-dkbrn mic-vfxl arg-varg fiss brit-sft w/NO VIS Ø /  
FLOR dul yel-gn/CUT vslo strmg  
6080-6100 40% SH AA  
40% DOL AA w/wk SHOW  
20% LS AA  
6100-6110 70% SH AA  
30% DOL AA  
6110-6120 50% DOL AA  
50% SH AA  
6120-6140 40% LS dkgy-blk micxl arg fiss brit dns NFSOC  
30% DOL AA arg dns w/wk SHOW  
30% SH AA w/brn-dkgybrn calc blkv vsft  
6140-6160 40% SH AA  
30% LS AA  
30% DOL AA  
6160-6190 100% SH gy-gygn w/sm brn-rdbrn slcalc blkv frm-hd  
6190-6200 80% SH AA  
20% SS ofwh vfg wsrt wcmr calc frm-brit tt NFSOC

GEOLOGIC SUMMARY  
AND  
ZONES OF INTEREST

John M. Beard's well Federal #3-34, located in NE/SE, Section 34, T8S, R18E of Uintah County, Utah, was spudded on 28 August, 1984 in the Eocene Uinta Formation. The well was drilled to a total depth of 6200' on 2 September, 1984 in the Paleocene Wasatch Formation.

Members of the Green River encountered on this well were as follows:

MAHOGANY LEDGE (3054')

No samples were described in the Mahogany Ledge oil shale. The top was picked from electric logs.

GREEN SHALE FACIES (4082' - 4816')

The Green Shale Facies was composed of gray to brown to gray-green shales and siltstones and light gray to light brown sandstones and tan to brown limestones.

The only significant show in this formation occurred from 4364'-4375' (E-Log depths). Logs showed effective porosity values, ranging from 14-17% and water saturation of approximately 15%. This zone appeared on electric logs as the best show interval of the well. The corresponding zone on the mud log was from 4362'-4370'.

No gas increase was noted in the show zone due to high background gas of 800 units from uphole shales. Samples showed spotty yellow fluorescence, milky cut and spotty light brown stain in light gray, very fine grained, calcareous sandstone. Sample quality was poor in this interval. No other significant oil shows were present in the Green Shale Facies.

DOUGLAS CREEK MEMBER (4816' - 5998')

This formation consisted of interbedded gray to brown to black, variably carbonaceous, calcareous shales; gray, tan and brown calcareous sandstones; and tan, gray and brown, argillaceous and variably carbonaceous limestones.

Several oil shows occurred in the Douglas Creek Member. The first significant show on electric logs showed from 5153'-5165' and the second from 5170'-5177'. Effective porosity values ranged from 7-10% and water saturation was 35-50%. A gas increase occurred while drilling the zone from 5154'-5180' (drilled depth). Gray to brown, fine to very fine grained, argillaceous, calcareous sandstone with dull yellow fluorescence, fast streaming cut and light to dark brown stain was observed in samples through this interval.

The next zone of interest on electric logs was from 5201'-5215' with porosities of 6-8% and water saturation of 35-55%. Samples showed dull yellow fluorescence, moderate to slow streaming cut and spotty brown stain in a light gray, very fine grained sandstone. No gas increase was recorded.

The third zone of interest was from 5673'-5679' and from 5681'-5687' (E-Log depths). Effective porosities were 7-10% with water saturations from 35 to 55%. Samples showed light green fluorescence, fast streaming blue-green cut and even light brown stain in tan to light brown, fine to occasionally coarse

grained sandstone. A gas increase from 550 to 675 units occurred in this zone.

Zone of Interest #4 on electric logs was from 5771'-5773' and 5783'-5790'. Porosity values ranged from 8 to 10% with water saturations of 40 to 50%. A clear to white, fine to coarse grained, poorly cemented quartzose sandstone with bright yellow-green fluorescence, very slow streaming cut and traces of light brown stain appearing in samples in the interval from 5756'-5788'. Total gas increased from 270 units background gas to 750 units, dropping back to 400 units in this interval.

The Douglas Creek Member became increasingly carbonaceous toward the base, with minor oil shows occurring in sandstones and limestones.

GREEN RIVER LIME (5998' - 6155')

The Green River Lime on this well was composed of dark gray to black carbonaceous limestones, limey shales and dolomites. Minor oil shows were observed in samples throughout the formation.

WASATCH (6155' - T.D.)

The Wasatch Formation was picked with the appearance of gray to gray-green, occasionally brown, firm to hard shales. Some off-white, very fine grained, calcareous sandstone was also drilled. No oil show was encountered.

I sincerely appreciated another opportunity to serve you on these wells. If I can be of any further assistance in the final evaluation of zones encountered in this well, please feel free to contact me. I look forward to working with you on future wells.

Sincerely,

*Arthur H. Curtis, III*



# McILNAY & ASSOCIATES, INC.

**McILNAY**

2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

June 26, 1992

Certified Mail No. P 817 711 707

Mr. Kary J. Kaltenbacher, C.P.  
Wildrose Resources Corporation  
2555 Cherryridge Rd.  
Englewood, CO 80110

Dear Mr. Kaltenbacher:

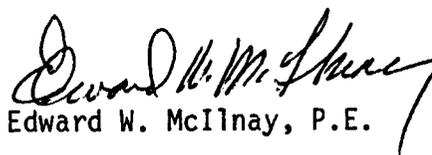
On behalf of our client, John M. Beard, we are requesting permission from the State of Utah, Department of Natural Resources, Division of Oil, Gas and Mining (herein after Division) and the Bureau of Land Management to convert John M. Beard's Federal #3-34, (NE SW Sec. 34-T8S-R18E, East Pleasant Valley Field, Uintah Co., UT) into a Green River reservoir injection well. The purpose being to provide a Green River produced water disposal well. The current plan is to dispose of approximately 94 barrels of water per month into the well. This produced water will originate at John M. Beard's Federal #1-34 (SE SE Sec. 34-T8S-R18%) and the Federal #2-34 (SW SE Sec. 34-T8S-R18E).

Our records indicate that Wildrose is the operator of wells within a one-half (1/2) mile radius of the proposed injection well, therefore, in accordance with the Rules and Regulations of the Division we are enclosing with this letter for your review the application submitted on John M. Beard's behalf.

Also, should you be interested in possibly using the proposed disposal well to dispose of your produced water, please contact the undersigned. I am sure that an equitable arrangement can be formulated.

If you have questions, please do not hesitate to give me a call.

Sincerely,

  
Edward W. McIlnay, P.E.

EWM/so

Attachments

cc: John M. Beard

# McILNAY & ASSOCIATES, INC.

**McILNAY**

2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

June 26, 1992

Certified Mail No. P 817 711 706

Starfighter Resource Corporation  
P.O. Box 101  
Litchfield Park, AZ 85340

Gentlemen:

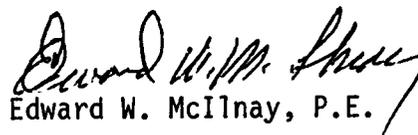
On behalf of our client, John M. Beard, we are requesting permission from the State of Utah, Department of Natural Resources, Division of Oil, Gas and Mining (herein after Division) and the Bureau of Land Management to convert John M. Beard's Federal #3-34, (NE SW Sec. 34-T8S-R18E, East Pleasant Valley Field, Uintah Co., UT) into a Green River reservoir injection well. The purpose being to provide a Green River produced water disposal well. The current plan is to dispose of approximately 94 barrels of water per month into the well. This produced water will originate at John M. Beard's Federal #1-34 (SE SE Sec. 34-T8S-R18%) and the Federal #2-34 (SW SE Sec. 34-T8S-R18E).

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Sincerely,

  
Edward W. McIlnay, P.E.

EWM/so

Attachments

cc: John M. Beard

**McILNAY**

# McILNAY & ASSOCIATES, INC.

2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

June 26, 1992

Certified Mail No. P 817 711 711

Yates Petroleum  
105 S. 4th St.  
Artesia, NM 88210

Gentlemen:

On behalf of our client, John M. Beard, we are requesting permission from the State of Utah, Department of Natural Resources, Division of Oil, Gas and Mining (herein after Division) and the Bureau of Land Management to convert John M. Beard's Federal #3-34, (NE SW Sec. 34-T8S-R18E, East Pleasant Valley Field, Uintah Co., UT) into a Green River reservoir injection well. The purpose being to provide a Green River produced water disposal well. The current plan is to dispose of approximately 94 barrels of water per month into the well. This produced water will originate at John M. Beard's Federal #1-34 (SE SE Sec. 34-T8S-R18%) and the Federal #2-34 (SW SE Sec. 34-T8S-R18E).

Our records indicate that Yates Petroleum Corp. is a lessee of record within a one-half (1/2) mile radius of the proposed injection well, therefore, in accordance with the Rules and Regulations of the Division we are enclosing with this letter for your review the application submitted on John M. Beard's behalf.

If you have questions, please contact the undersigned.

Sincerely,

  
Edward W. McIlnay, P.E.

EWM/so

Attachments

cc: John M. Beard



# McILNAY & ASSOCIATES, INC.

**McILNAY**

2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

June 26, 1992

Certified Mail No. P 817 711 709

Andover Partners  
1001 Fannin, Ste. 2000  
Houston, TX 77002

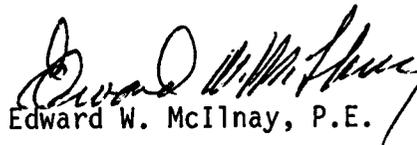
Gentlemen:

On behalf of our client, John M. Beard, we are requesting permission from the State of Utah, Department of Natural Resources, Division of Oil, Gas and Mining (herein after Division) and the Bureau of Land Management to convert John M. Beard's Federal #3-34, (NE SW Sec. 34-T8S-R18E, East Pleasant Valley Field, Uintah Co., UT) into a Green River reservoir injection well. The purpose being to provide a Green River produced water disposal well. The current plan is to dispose of approximately 94 barrels of water per month into the well. This produced water will originate at John M. Beard's Federal #1-34 (SE SE Sec. 34-T8S-R18%) and the Federal #2-34 (SW SE Sec. 34-T8S-R18E).

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If you have questions, please contact the undersigned.

Sincerely,

  
Edward W. McIlnay, P.E.

EWM/so

Attachments

cc: John M. Beard

# McILNAY & ASSOCIATES, INC.

**McILNAY**

2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

June 26, 1992

Certified Mail No. P 817 711 710

Chorney Oil Company  
Raymond Chorney  
555 17th St.  
Denver, CO 80202

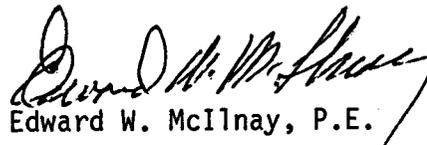
Gentlemen:

On behalf of our client, John M. Beard, we are requesting permission from the State of Utah, Department of Natural Resources, Division of Oil, Gas and Mining (herein after Division) and the Bureau of Land Management to convert John M. Beard's Federal #3-34, (NE SW Sec. 34-T8S-R18E, East Pleasant Valley Field, Uintah Co., UT) into a Green River reservoir injection well. The purpose being to provide a Green River produced water disposal well. The current plan is to dispose of approximately 94 barrels of water per month into the well. This produced water will originate at John M. Beard's Federal #1-34 (SE SE Sec. 34-T8S-R18%) and the Federal #2-34 (SW SE Sec. 34-T8S-R18E).

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If you have questions, please contact the undersigned.

Sincerely,

  
Edward W. McIlnay, P.E.

EWM/so

Attachments

cc: John M. Beard

# McILNAY & ASSOCIATES, INC.

**McILNAY**

2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

June 26, 1992

Certified Mail No. P 817 711 711

PG&E Resources  
5950 Brookshire Lane, Ste. 1000  
Dallas, TX 75225

Gentlemen:

On behalf of our client, John M. Beard, we are requesting permission from the State of Utah, Department of Natural Resources, Division of Oil, Gas and Mining (herein after Division) and the Bureau of Land Management to convert John M. Beard's Federal #3-34, (NE SW Sec. 34-T8S-R18E, East Pleasant Valley Field, Uintah Co., UT) into a Green River reservoir injection well. The purpose being to provide a Green River produced water disposal well. The current plan is to dispose of approximately 94 barrels of water per month into the well. This produced water will originate at John M. Beard's Federal #1-34 (SE SE Sec. 34-T8S-R18%) and the Federal #2-34 (SW SE Sec. 34-T8S-R18E).

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If you have questions, please contact the undersigned.

Sincerely,

  
Edward W. McIlnay, P.E.

EWM/so

Attachments

cc: John M. Beard



JOHN M. BEARD  
 FEDERAL #3-34  
 NE/SW SEC.34-8S-18E  
 UINTAH COUNTY, UTAH

COMPARISON  
 FORMATION TOPS

FORMATION	FEDERAL #3-34 KB 4868' DATUM		FEDERAL #2-34 KB 4878' DATUM		FEDERAL #1-34 KB 4874' DATUM	
	SURFACE		SURFACE		SURFACE	
UINTA						
GREEN RIVER	1574	+3294	1558	+3320	1564	+3310
MAHOGANY LEDGE	3054	+1814	3038	+1840	3050	+1824
GREEN SHALE FACIES	4082	+ 786	4068	+ 810	4072	+ 802
DOUGLAS CREEK MEMBER	4816	+ 52	4796	+ 82	4802	+ 72
GREEN RIVER LIME	5998	-1130	5980	-1102	5978	-1104
WASATCH	6155	-1287	NOT PENETRATED		NOT PENETRATED	

# McILNAY & ASSOCIATES, INC.

McILNAY

2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

June 26, 1992

RECEIVED

JUN 30 1992

DIVISION OF  
OIL GAS & MINING

Certified Mail No. P 817 711 712

Division of Oil, Gas and Mining  
355 W. North Temple  
Salt Lake City, UT 84180

Re: John M. Beard Application for Subsurface Water Disposal,  
East Pleasant Valley Field, Sec. 34-T8S-R18E, Uintah Co., UT

Gentlemen:

*Fed. 3-34  
43-047-31497*

On behalf of our client, John M. Beard, an application is being submitted in accordance with the Division of Oil, Gas and Mining's (hereinafter Division) Rules 501 and 502, for converting the John M. Beard Federal #3-34 (NE SW Sec. 34-T8S-R18E) into an injection well for the purpose of disposing of produced water from John M. Beard's current producing wells Federal #1-34 and #2-34 (See Attachments I & II).

Accompanying this petition are the following:

1. Form 1-UIC. Application For Injection Well
2. Attachment I. Plat identifying area involved and wells within 1/2 miles radius of proposed injection well.
3. Attachment II. List of wells within 1/2 mile radius, including operator, current status and producing reservoir.
4. Attachment III. List of operators or lessees of record and surface owners within 1/2 mile radius.
5. Attachment IV. Proposal summary.
6. Attachment V. Well configuration for water disposal well.
7. Attachments VIa, VIb, VIc. Water analyses reports for John M. Beard wells Federal #1-34, #2-34 & #3-34.
8. Attachment VII. Geological Report
9. Affidavit certifying that operators and/or lessees of record have been notified of the proposed project.
10. Copy of Sundry Notice submitted to BLM.

In addition the following open hole logs and cement bond logs have been filed with the Division for the John M. Beard Federal #1-34, #2-34 & #3-34.

Schlumberger	GR-DI-SFL
Schlumberger	GR-CCS-LDTC-CNL
Oilwell Perforators	GR-CBL

It is proposed to convert the Federal #3-34 (NE SW Sec. 34-T8S-R18E) to an injection well for the purpose of disposing of produced water from the John M. Beard Federal #1-34 and #2-34.

The following is a summary of current producing rates for the three wells involved:

Well	BOPD	BWPD	BWPM
1-34	3.00	1.00	30
2-34	8.35	2.10	64
3-34	1.36	1.50	76

The #3-34 is below its economic limit.

Currently, produced water is hauled from the lease and disposed of into an approved disposal site. Disposal of water in this manner is currently costing approximately \$3.50/bbl. Utilizing the #3-34 as a disposal well will reduce operating costs, thereby, lowering the economic limit, which will result in an increase in ultimate oil recovery from the #1-34 and #2-34.

All three wells involved and the offset wells within a 1/2 miles radius of the #3-34 are producing from the Green River Formation. (See Attachments I & II).

Our proposal requests permission to reinject the Green River produced water back into the Green River formation. Total dissolved solids for each well involved (See Attachments VIa, VIb, & VIc).

Federal #1-34	18,960 mh/1 TDS
Federal #2-34	24,102 mh/1 TDS
Federal #3-34	21,730 mh/1 TDS

The water from all three wells are similar and compatibility is not a problem. Anticipated produced water volume to be injected is 94 BWPM. Experience indicates that the #3-34 will take this volume of water on a vacuum. Maximum pressure should never exceed 300 psig

A cement bond log ran in the #3-34, prior to completion, indicates excellent bonding isolating the perforations, which will be used for receiving injected water. The top of the cement was measured at 2150' KB. You are referred to the #3-34 CBL on file with the Division.

Calculated fracture gradients for the #3-34 indicate that fractures will not be initiated by the proposed injection. The following presents data utilized in the calculation of fracture gradients for the #3-34.

*Interval	Mid Pt.	** Surface Breakdown Pressure psig	**Hydrostatic to Mid Point psig	Calculated Fracture Gradient psig/ft.
5789 - 5638'	5714'	1350	2480	0.67
5214 - 5154'	5184'	1500	2250	0.72
4376 - 4364'	4370'	2000	1897	0.94

- \* See Attachment I.
- \*\* Acid breakdown prior to frac stimulation.
- \*\*\* 2% KCl water.

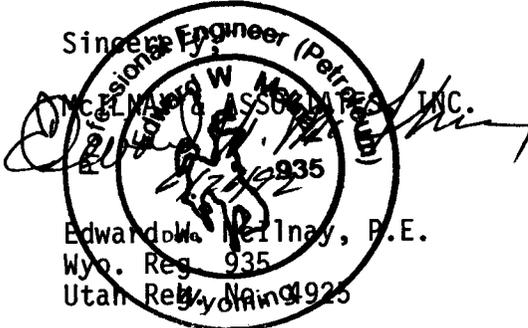
For the purpose of calculating a fracture pressure, a gradient of 0.70 psig/ft. has been used. Therefore, the minimum fracture pressure is calculated at 3060 psig.

For geological data in regard to the proposed injection interval (Green River Sand formation) and the confining shale and limestone beds (Green shale and Green River lime formations) you are referred to the attached geological report for the #3-34 (Attachment VII) and the Schlumberger lithology open hole log (LDTC-CNL-GR-CCS), which is on file with the Division.

The injection of produced water into the current Green River perforations of the #3-34 (See Attachment I) will be confined to this zone and will not threaten potential fresh water zones or USDW zones.

- The general operating plan is summarized as follows. Also, see Attachment IV):
1. Convert Federal #3-34 to a water injection well as follows:
    - a. Isolate injection perforations utilizing 2 7/8" tubing and a Lok-set type production packer set @ approximately 4300' K.B.
    - b. Fill 5 1/2" casing x 2 7/8" tubing annulus with fresh water containing appropriate corrosion inhibitors (i.e. oxygen scavenger, etc.).
    - c. Pressure test casing/tubing annulus to 500 psig for 15 minutes.
  2. Produced water will be stored at the #1-34 and #2-34 wells in 400 Bbl. storage tanks. When required the produced water will be transported to the #3-34, placed into a 400 Bbl. storage tank and injected into the #3-34.

If additional information is required or should there be questions, please contact the undersigned.



Edward W. McIlnay, P.E.  
 Wyo. Reg. 935  
 Utah Reg. No. 925

EWM/so  
 cc: John M. Beard  
 BLM, Vernal, UT  
 Operators & Lessees within 1/2 mile radius  
 EPA, Denver

INJECTION WELL APPLICATION

REVIEW SUMMARY

Applicant: JOHN M. BEARD Well: FEDERAL 1-34

Location: section 34 township 08 SOUTH range 18 EAST

API #: 43-047-31497 Well Type: disp.X enhanced recov.     

If enhanced recovery has project been approved by the Board ? NA

Lease Type: FEDERAL Surface Ownership: FEDERAL

Field: PLEASENT VALLEY Unit:                      Indian Country: YES

UIC Form 1: YES Plat: YES Wells in AOR: 4P, 1PA

Logs Available: YES Bond Log: YES

Casing Program: SUFFICIENT

Integrity Test: TO BE RUN AT CONVERSION

Injection Fluid: H2O

Geologic Information: GREEN RIVER INJECTION ZONE, SHALE AND LIMESTON CONFINING BEDS

Analyses of Injection Fluid: YES Formation Fluid: YES Compat. NO

Fracture Gradient Information: YES Parting Pressure: 3555 ESTIMATED

Affidavit of Notice to Owners: YES

Fresh Water Aquifers in Area: SUFACE ALLUVIUM AND UPPER UINTA

Depth Base of Moderately Saline Water:                     

Confining Interval: ~~APPROX. 7000' SALT~~ Green River shales & Limes.

Reviewer: D. JARVIS Date: 07-27-92

Comments & Recommendations: SPOKE TO BILL McILNAY AND NOTIFIED HIM THAT SUPPORTING INFORMATION WOULD BE NEEDED TO PROVE THAT INJECTION INTO THESE ZONES WOULD NOT INTERFERE WITH OFFSET PRODUCTION. PROPOSED INJETION ZONE CORRELATES WITH PRODUCING ZONES

IN NEARBY WELLS. LOW VOLUMES OF WATER FOR INJECTION ARE ANTICIPATED.

received Aug 7th statement from M<sup>r</sup> IL<sup>l</sup> regarding zones of injection. see attached correspondence. Recommend limiting volume of water to be disposed. If additional volumes are needed to be disposed of, fillup calculations should be recalculated, and possibly create the need for unitization for reevaluation.

8/11/92 - Reservoir calculations sent to Frank Matsum.

- Board requesting 94 BPM rate
- calculation indicate that at 1500 BPM it would take 50 years to achieve fillup. (with data provided.)
- recommend. notice to state. that rate is anticipated 94 BPM. max rate. 1500 BPM. MAX pressure 300 psi.

480 BPM<sup>max</sup> 16. B/days.

when disregarding gas voidage.

7/22/92 + read Water by well 301 359-3940

Call. Roseman Vailage to 6/1/92) Attn: Frank Mathews

well	Cum Prod to 6/1/92	NP (BO)	Wp (BW)	Gp (MCF)	Initial GOR	Cum GOR	Current GOR	BOPD (Est)	BOPD Cum Avg
1-34		90,294	2,420	272,970	355	3023	1500	3.00	28 ±
2-34		128,665	1,669	670,172	338	4820	9000	8.35	44 ±
3-34		16,917	3,489	35,560	440	2102	4000	1.36	7 ±
<b>Total</b>		<b>235,876</b>	<b>7,578</b>	<b>928,702</b>	<b>377</b>	<b>2000</b>	<b>237</b>	<b>CFB</b>	

296° API - 30.6 (avg 30)

\* 32,768 (1/1/88) + 0.600 (16,917 - 12,200) = 35,560

Initial GOR means free gas prod.  $Est \text{ free gas prod} = 928,702 - (235,876)(0.350) = 846,145 \text{ MCF}$

see Penetration - Brumby Company

STP	Depth	psi/ft
1702	4627	0.388
1500	4677	0.400
1700	4666	0.413
1802	4727	0.381

Est P<sub>0</sub> = 0.413 x 5100' = 2106 psig

Est P<sub>1</sub>

CFB = value GOR at (Est T<sub>0</sub> = 150°F)

B<sub>0</sub> = 1.17 x 1.03 = 1.21

note, JPT, '58)

Est P<sub>w</sub> = 1.0 (See - p. 125)

Est B<sub>g</sub>

(Est T<sub>0</sub> = 150°F) (G = 0.8 assumed)

7/23/92

Est P = 2106 + 12 = 2118 psia

Est B<sub>g</sub> = 1.05 res fbls/MCF

Vailage

Vailage = NP B<sub>0</sub> + Wp B<sub>w</sub> + Gp B<sub>g</sub> (res fbls @ orig conditions, i.e., P<sub>0</sub>)  
 = (235,876 x 1.21) + (7,578 x 1.0) + (846,145 MCF x 1.05 res fbls/MCF)

Value to 6/1/92 = 1,180,000 res fbls @ initial res pres of 2118 psia

Post-it brand fax transmittal memo 7671		# of pages	2
To	Frank Mathews	From	Star McIlneay
Co.	Utah Oil & Gas	Co.	McIlneay Assoc.
Dept.		Phone #	307 265-4351
Fax #	307 359-3940	Fax #	307 473-1218

7/23/92

Beard Water Inj. Well

(2)

Fillup Terms

Inj. 94 BWPM (3.1130.41); 6/26/92 letter - p. 2.

$$\text{Fillup Terms} = \frac{1,187,000 \text{ res bbls}}{(94 \times 1.0) \text{ res B/P} \times 205} = \frac{1047}{205} \text{ yrs.}$$

(w/ repl. cement prod.)

$$+ \text{additional annual production filling} =$$

$$[(3445 \times 365) \{ (11.35 \text{ BOPD} \times 1.2) + (3.10 \text{ WPD} \times 1.0) + \frac{(2300 \text{ res bbls})}{30.4} \times 1.05 \}]$$

Injection of produced water replaces only water produced, leaving a net draw volume from the oil and gas production estimated to be

$$\left[ (11.35 \times 1.2) + \frac{(2300)}{30.4} \times 1.05 \right] = 93 \text{ res bbl/d (a net draw)}$$

90 Replacement =  $\frac{93 \text{ res bbl/d}}{(94 \times 1.0) + (3445 \times 1.2) + (94 \times 1.0) + (2300 \times 1.05)}$  2%

Oil Bank Will Form 417194-2-2418

With over 1 million barrels of reservoir voidage to date, and with voidage continuing at an est. rate of 93 res bbl/d, the press will continue to decline. The injected water will primarily displace gas in the reservoir. The oil bank can not be formed with the process.

Will Not affect effect wells

The replacement of only 3% of the reservoir voidage by John M. Beard's wells #1-34 and #2-34 is insufficient to affect the production of the effect wells.

7/19/92 (2:30 PM) Call from Frank Matthews  
 Dis. Briefly w/ him & fax copy of these notes

### Calculation of Oil in Place

Well Name: John Beard  
 Field Name: Pariette Bench

11-Aug-92

Oil Gravity	30 API	GAS GS	0.6742
Gas-Oil Ratio	330 cuft/bbl	PBP	1,886
Gas Gravity	0.69	Bobp	1.2005
TEMP-res	150 'F	CO	0.0000
TEMP-sep.	70 'F	RSb	275.66
PRES-sep.	75 psia	Bo	1.1791
PRESS-res	1600 psia		
Porosity	15 %		
Water Sat.	28 %		
Drainage Area	240 acres		
Net Pay	28 feet		

Oil in Place	4,775,381 BO
Recovery (est)	235,876 BO
% Recovery	4.94%

35.10 bbl/acre-ft primary  
 67.22%Residual Oil

RECEIVED

AUG - 7 1992

DIV. OIL, GAS, MINING

# McILNAY & ASSOCIATES, INC.

**McILNAY**

2305 OXFORD LANE • CASPER, WY 82604 • 307/265-4351

PETROLEUM CONSULTING ENGINEERS & PROPERTY MANAGEMENT

REGISTERED PROFESSIONAL ENGINEERS

August 5, 1992

Mr. Dan Jarvis  
Division of Oil, Gas & Mining  
355 W. North Temple  
Salt Lake City, UT 84180-1203

Re: John M. Beard Proposed Produced Water Disposal Facility  
East Pleasant Valley Field, Section 34-T8S-R18E, Uintah County, Utah

Dear Mr. Jarvis:

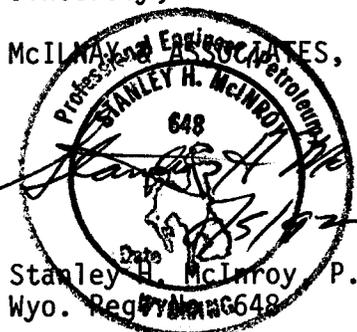
In answer to your recent questions in regard to John M. Beard's proposal to utilize the Federal #3-34 (NE SW Sec. 34-T8S-R18E, Pleasant Valley Field) as an injection well for disposing of produced water the following statement is offered:

John M. Beard wells #1-34, #2-34 and #3-34 have produced 235,876 BO, 7578 BW and 928,702 MCF of gas. This equates to over one million barrels of estimated reservoir voidage measured at original reservoir conditions. The injection of 94 BW per month produced by the #1-34 and #2-34 into the #3-34 will replace only 3.2% of the reservoir voidage caused by the production of 345 BOPM, 94 BWPM and 2300 MCF/mo from the #1-34 and #2-34. Therefore, the reservoir pressure will continue to decline at almost the same rate as in the past. The injected water will primarily replace gas in the reservoir. An oil bank cannot be formed by this process. The replacement of only 3% of the reservoir voidage by John M. Beard #1-34 and #2-34 is insufficient to affect the production of the offsetting wells.

If you have additional questions or need more information, please do not hesitate to call the undersigned.

Sincerely,

McILNAY & ASSOCIATES, INC.

  
Stanley H. McInroy P.E.  
Wyo. Reg. No. 648

SHMc/so

cc: Mr. Rob Prime  
John M. Beard

8/11/92

Voidage Per McIntroy

$$N_{Op} \times FVF + N_{Wp} \times 1 + N_{Gp} \times \overset{\text{free gas}}{RVF}$$

$$(235876 \times 1.2) + 7578 \times 1 + (846,145 \times 1.05)$$

$$= 283,051 + 7578 + 888452 = 1,179,081 \text{ bbls void}$$

Assuming free gas in reservoir -

$$= 283,051 + 7578 = 290,629 \text{ bbls void}$$

without considering voidage of gas.

$$\frac{290,629 \text{ bbl/void}}{16 \text{ bbl/day} \times 360 \text{ days/year}} = \underline{50.4 \text{ years.}} \quad \text{to fill up.}$$

$$\frac{290,629}{480 \times 12} = 50.4 \text{ yrs.}$$

42,381 100 SHEETS 3 SQUARE  
42,382 100 SHEETS 3 SQUARE  
42,383 200 SHEETS 3 SQUARE  
MADE IN U.S.A.  
NATIONAL

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT  
DECISION DOCUMENT**

**Applicant:** John Beard

**Well:** Federal 3-34

**Location:** 34-T8S-R18E

**API:** 43-047-31497

**Ownership Issues:**

All lands and leases within a one-half mile radius are owned by the federal government. Ed McInay, agent for Beard Oil signed an affidavit that all land owners, mineral owners, and/or oil companies had been notified of this proposal. The Division will prepare a public notice of the application in the Salt Lake Tribune and the Vernal Express. As of this time no objections have been received.

**Well Integrity:**

A mechanical integrity test will need to be performed at the time of completion. Surface casing is set at 307 feet and cemented to surface. Production casing is set at 6202 and has a cement top at 2150 feet per cement bond log. Well construction should provide adequate protection to all USDW.

**Ground Water Protection:**

Base of moderately saline water is at a depth of approximately 300 feet, as per technical publication 92 (base of moderately saline water in the Uinta Basin). Surface casing was set at 307 feet and geophysical logs were not run from 300 feet to surface. A depth of 300 feet for moderately saline water is a conservative number and may actually be much shallower. Cement bond log indicates excellent bond to approximately 2150 feet. The proposed zone of injection is at 4376-5789 feet. There is approximately 2200 feet of cement above top perforation. All USDW should be adequately protected.

**Oil/Gas & Other Mineral Resources Protection:**

The proposed injection zone is in the Green Shale facies, Douglas Creek, and Green River Limestone members of the Green River formation. Producing wells within a one-half mile radius also produce out of some of these same zones. Ed McInay provided information and data which indicates that the proposed volumes of water to be disposed would not fill the void of oil, water and gas already removed from formation, and that waterflooding would not occur.

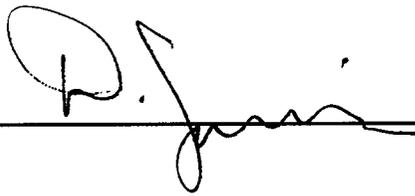
**Bonding:**

Lease is held by production and federal bond will cover plugging.

**Actions Taken and Further Approvals Needed:**

BLM approval is needed, public notice needs to be prepared. Data provided by McIlroy in regard to reservoir voidage appear to be somewhat high as per Frank Matthews, DOGM Petroleum Engineer. Frank feels that not all gas in the reservoir is free gas and that some was in solution. Beard is requesting an estimated rate of 94 BWPM. This volume would be insufficient to affect offset production. However, if other operators want to dispose water into this well fillup could occur much sooner. In light of this a limiting rate of 480 BWPM will be permitted. If the need for an increase in rate occurs it is recommended that Beard provide additional reservoir data to show that disposal will in fact, not affect offset production and correlative rights will be protected.

\_\_\_\_\_  
Reviewer



\_\_\_\_\_  
Date

8/11/92

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

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF JOHN M. BEARD COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF THE	:	CAUSE NO. UIC-130
FEDERAL 3-34 WELL LOCATED IN	:	
SECTION 34, TOWNSHIP 8 SOUTH,	:	
RANGE 18 EAST, S.L.M., UINTAH	:	
COUNTY, UTAH, AS A CLASS II	:	
INJECTION WELL	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

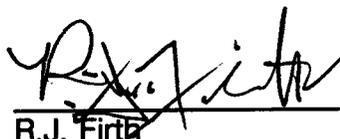
Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of John M. Beard Company for administrative approval of the Federal 3-34 Well, located in Section 34, Township 8 South, Range 18 East, Uintah County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 4376 feet to 5789 feet (Green River formation) will be selectively perforated for water disposal. The average injection pressure is estimated to be 300 psig or less with a maximum requested injection pressure of 300 psig. The estimated injection volume will be approximately 100 barrels of water per month.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 20th day of August, 1992.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



R.J. Firth  
Associate Director, Oil and Gas

**John Beard Company  
Federal 3-34 Well  
Cause No. UIC-130**

Publication Notices were sent to the following:

Newspaper Agency Corporation  
Legal Advertising  
157 Regent Street  
Salt Lake City, Utah 84110

Vernal Express  
P.O. Box 1000  
54 North Vernal Avenue  
Vernal, Utah 84078

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

John M. Beard  
3030 NW Expressway  
1405 Energy Plaza  
Oklahoma City, Oklahoma 73112

Wildrose Resource Corporation  
2555 Cherryridge Road  
Englewood, Colorado 80110

Starfighter Petroleum  
P.O. Box 101  
Litchfield Park, Arizona 85340

Yates Petroleum  
105 South 4th Street  
Artesia, New Mexico 88210

Andover Partners  
1001 Fannin, Suite 2000  
Houston, Texas 77002

Page 2  
John Beard Company  
Cause No. UIC-130

Chorney Oil Company  
555 17th Street  
Denver, Colorado 80202

PG & E Resources  
5950 Brookshire Lane, Suite 1000  
Dallas, Texas 75225



---

Lisa Clement  
Administrative Secretary  
August 24, 1992



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

August 24, 1992

Newspaper Agency Corporation  
Legal Advertising  
157 Regent Street  
Salt Lake City, Utah 84110

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-130

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script that reads "Lisa D. Clement".

Lisa D. Clement  
Administrative Secretary

ldc  
Enclosure  
WO1168



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

August 24, 1992

Vernal Express  
P.O. Box 1000  
54 North Vernal Avenue  
Vernal, Utah 84078

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-130

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script that reads "Lisa D. Clement".

Lisa D. Clement  
Administrative Secretary

ldc  
Enclosure  
WOI168

143 SOUTH MAIN ST.  
 P.O. BOX 45838  
 SALT LAKE CITY, UTAH 84145  
 FED. TAX I.D. # 87-0217663

**Newspaper Agency Corporation**

*The Salt Lake Tribune* (NAC) DESERE. EWS

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 AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS  
 IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED  
 IN SALT LAKE COUNTY IN THE STATE OF UTAH.

AUG 29 1992

*Jeanne Mooney*  
 192

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AS			801-538-5340
SCHEDULE			AD NUMBER
AUG 29 1992			8Q820030
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JOHN M. BEARD	NOTICE OF AGENCY ACTION CAUSE NO. UIC-130BEFOR		.00
SIZE	TIMES	RATE	AD CHARGE
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			119.72

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 SALT LAKE CITY, UT 84180

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LEGAL ADVERTISING INVOICE

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DIV. OF OIL & GAS 355 W NO TEMPLE, #350 3 TRIAD CENTER SALT LAKE CITY, UT 84180	LE-5385340	08/30/92
FOR BILLING INFORMATION CALL (801) 237-2822		

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE NO. UIC-130BEFOR FOR DIV. OF OIL & GAS WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON AUG 29 1992

SIGNATURE Joanne Money  
DATE 08/30/92

ACCOUNT NAME	TELEPHONE	
AS	801-538-5340	
SCHEDULE	AD NUMBER	
	8Q820030	
CAPTION	MISC. CHARGES	
NOTICE OF AGENCY ACTION CAUSE NO. UIC-130BEFOR	.00	
TIMES	RATE	AD CHARGE
1 COLUMN	1	1.64
ON RECEIPT OF THIS INVOICE		TOTAL AMOUNT DUE
		119.72

NOTICE OF AGENCY ACTION CAUSE NO. UIC-130 BEFORE THE DIVISION OF OIL GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF JOHN M. BEARD COMPANY FOR ADMINISTRATIVE APPROVAL OF THE FEDERAL 3-34 WELL LOCATED IN SECTION 34, TOWNSHIP 8 SOUTH, RANGE 18 EAST, S.L.M. UINIAH COUNTY UTAH, AS A CLASS II INJECTION WELL

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of John M. Beard Company for administrative approval of the Federal 3-34 Well located in Section 34, Township 8 South, Range 18 East, Uintah County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 4376 feet to 5789 feet (Green River formation) will be selectively perforated for water disposal. The average injection pressure is estimated to be 300 psig or less with a maximum requested injection pressure of 300 psig. The estimate injection volume will be approximately 100 barrels of water per month.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 20th day of August, 1992  
STATE OF UTAH  
DIVISION OF OIL GAS AND MINING  
/s/ R.J. FIRTH  
ASSOCIATE DIRECTOR

THANK YOU FOR USING LEGAL ADVERTISING.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE **LEGAL ADVERTISING** ADV06-NT

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340	8Q820030	08/30/92	119.72

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DIV. OF OIL & GAS  
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SALT LAKE CITY, UT 84180

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EX-15  
R.S.

# PROOF OF PUBLICATION

STATE OF UTAH,

{ SS.

County of Uintah

**NOTICE OF AGENCY ACTION**  
Cause No. UIC-130  
**BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH**

In the matter of the application of John M. Beard Company for administrative approval of the Federal 3-34 Well located in Section 34, Township 8 South, Range 18 East, S.L.M., Uintah County, Utah, as a Class II injection well

**THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.**

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of John M. Beard Company for administrative approval of the Federal 30-34 Well, located in Section 34, Township 8 South, Range 18 East, Uintah County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 4376 feet to 5789 feet (Green River formation) will be selectively perforated for water disposal. The average injection pressure is estimated to be 300 psig or less with a maximum requested injection pressure of 300 psig. The estimated injection volume will be approximately 100 barrels of water per month.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 20th day of August, 1992.

STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING  
R.J. FIRTH  
Associate Director,  
Oil and Gas

Published in the Vernal Express August 26, 1992.

I, Judy McCarley,

begin duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a weekly newspaper of general circulation, published each week at Vernal, Utah, that the notice attached hereto was published in said newspaper

for 1 publications,

the first publication having been made on

the 26th day of August, 1992 and the last

on the 26th day of August, 1992, that

said notice was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.

By..... *Judy McCarley* .....  
Manager

Subscribed and sworn to before me, this 26th day of August A.D. 1992.

..... *Jack R. Wallis* .....  
Notary Public, Residence, Vernal, Utah

copy



**JOHN M. BEARD**  
OIL PRODUCER  
UNION PLAZA - SUITE 1405  
3030 NORTHWEST EXPRESSWAY  
OKLAHOMA CITY, OKLAHOMA 73112  
TELEPHONE (405) 942-2706

May 6, 1996

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

Attn: Ms. Lisha Cordova  
Re: Beard Federal 1-34, 2-34, & 3-34 Wells  
Sec. 34-T8S-R18E  
Uintah County, Utah

Dear Ms. Cordova:

This is to advise that effective September 1, 1996, John M. Beard resigns as Operator of the captioned wells and names Wildrose Resources Corporation as the new Operator.

This is due to the forming of the Pariette Unit Waterflood.

Yours sincerely,  
John M. Beard



Robert E. Prime  
Executive Assistant



# United States Department of the Interior

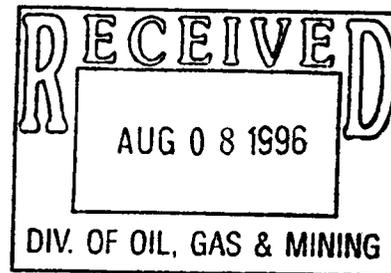
## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

IN REPLY REFER TO  
UT-922

August 6, 1996

Wildrose Resources Corporation  
c/o UnitSource Incorporated  
11184 Huron Street, Suite 10  
Denver, Colorado 80234



Gentlemen:

The Pariette (Green River) Secondary Recovery Unit Agreement, Uintah County, Utah, was approved August 6, 1996. This agreement has been designated No. UTU75526X, and is effective September 1, 1996. The unit area embraces 760.00 acres, more or less.

Pursuant to regulations issued and effective June 17, 1988, all operations within the Pariette (Green River) Secondary Recovery Unit will be covered by your statewide (Utah) oil and gas bond No. 0633.

The following leases embrace lands included within the unit area:

UTU-37812	*UTU-49430	UTU-53995
UTU-30688	*UTU-51081	UTU-58546
UTU-45031		

\* Indicates lease to be considered for segregation by the Bureau of Land Management pursuant to Section 18 (g) of the unit agreement and Public Law 86-705.

All lands and interests by State of Utah, Cause No. 237-1 are fully committed.

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources. Enclosed is one copy of the approved unit agreement for your records. We request that you furnish the State of Utah and all other interested principals with appropriate evidence of this approval.

Sincerely,

/s/ Assad M. Raffoul

for Robert A. Henricks  
Chief, Branch of Fluid Minerals

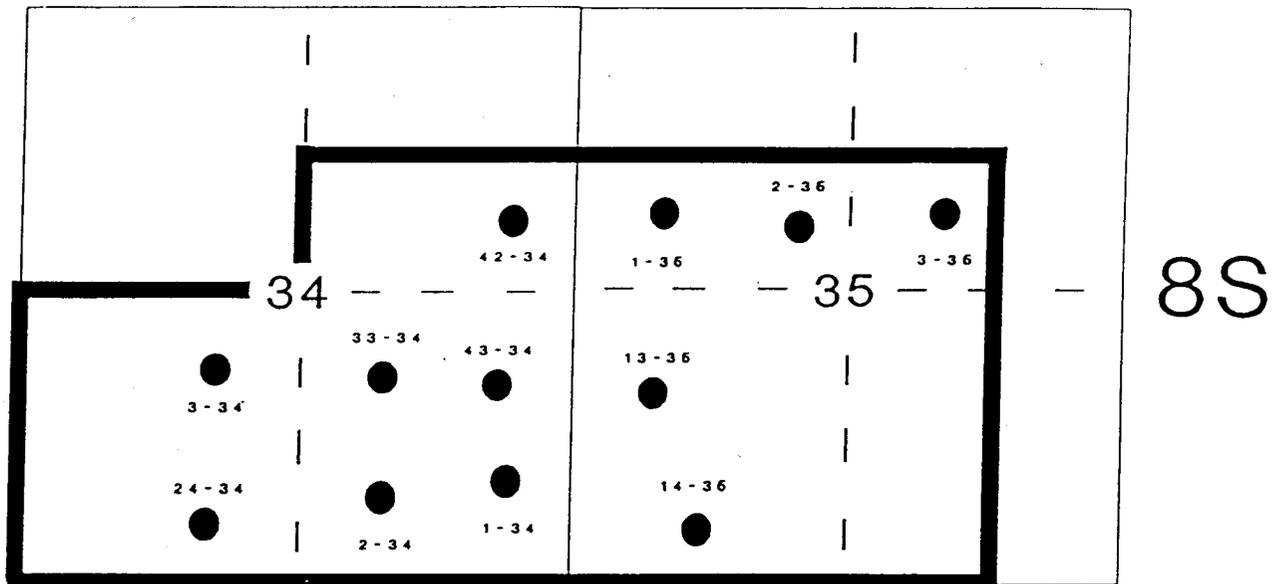
Enclosure

bcc: Mineral Adjudication Group w/enclosure  
MMS - Data Management Division (Attn: Rose D.)  
Trust Lands Administration  
Sovereign Lands & Forestry  
Division of Oil, Gas and Mining  
District Manager - Vernal w/enclosure  
File - Pariette (Green River) Unit w/enclosure  
Agr. Sec. Chron  
Fluid Chron

UT922:TAThompson:tt:08-06-96

# PARIETTE (GREEN RIVER) UNIT

## Uintah County, Utah



18E

— UNIT OUTLINE (UTU75526X)

760.00 ACRES

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

5. Lease Designation and Serial No.

U-37812

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Fed. #'s 1-34, 2-34 & 3-34

9. API Well No.

10. Field and Pool, or Exploratory Area

Eight Mile Flat North

11. County or Parish, State

Uintah County, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

Wildrose Resources Corporation

3. Address and Telephone No.

4949 South Albion St., Littleton, CO 80121    303-770-6566

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Fed. 1-34: SE $\frac{1}{4}$ SE $\frac{1}{4}$  Section 34, T8S, R18E  
Fed. 2-34: SW $\frac{1}{4}$ SE $\frac{1}{4}$  Section 34, T8S, R18E  
Fed. 3-34: NE $\frac{1}{4}$ SW $\frac{1}{4}$  Section 34, T8S, R18E

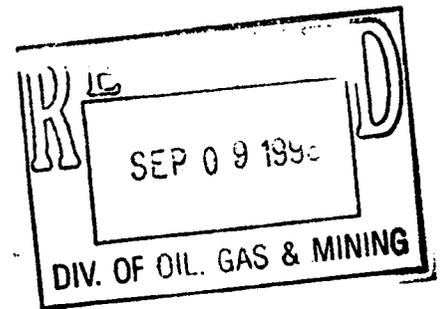
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" 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 checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<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.)\*

The Pariette Unit was approved effective September 1, 1996. Therefore, Wildrose Resources Corp. has taken over as Operator from John M. Beard of the three captioned wells.



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

Signed Kay A. Katterbach Title V.P.

Date Sept. 4, 1996

(This space for Federal or State office use)

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



**OPERATOR CHANGE WORKSHEET**

Routing	
1- <del>LBC</del>	6- <del>LBC</del>
2-GLH	7-KDR X
3-DPS <i>DBS</i>	8-SJ ✓
4-VLD ✓	9-FILE
5-RJF ✓	

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-1-96

<b>TO: (new operator)</b> <u>WILDROSE RESOURCES CORP.</u> (address) <u>4949 S ALBION ST</u> <u>LITTLETON CO 80121</u> <u>KARY KALTENBACHER</u> Phone: <u>(303) 770-6566</u> Account no. <u>N9660</u>	<b>FROM: (old operator)</b> <u>BEARD, J / MCILNAY &amp; ASSOC.</u> (address) <u>2305 OXFORD LN</u> <u>CASPER WY 82604</u> <u>SHARON ORR</u> Phone: <u>(307) 265-4351</u> Account no. <u>N2930</u>
---	--

**WELL(S)** attach additional page if needed:      \*PARIETTE (GRRV) UNIT

Name: <u>FEDERAL 1-34/GRRV</u>	API: <u>43-047-31346</u>	Entity: <u>390</u>	S <u>34</u>	T <u>8S</u>	R <u>18E</u>	Lease: <u>U37812</u>
Name: <u>FEDERAL 2-34/GRRV</u>	API: <u>43-047-31347</u>	Entity: <u>391</u>	S <u>34</u>	T <u>8S</u>	R <u>18E</u>	Lease: <u>U37812</u>
*Name: <u>FEDERAL 3-34/GRRV</u>	API: <u>43-047-31497</u>	Entity: <u>392</u>	S <u>34</u>	T <u>8S</u>	R <u>18E</u>	Lease: <u>U37812</u>
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- 1 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 9-10-96)*
- 1 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Req. 9-4-96) (Rec'd 9-9-96)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- 1 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- 1 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(9-10-96)*
- 1 6. Cardex file has been updated for each well listed above. *(9-10-96)*
- 1 7. Well file labels have been updated for each well listed above. *(9-10-96)*
- 1 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(9-10-96)*
- 1 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- See 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form. *# open req. of g. entity to stay the same; do not group together by unit. (individual tanks & meters)*
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A See 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A OT 5 9/12/96 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

**FILMING**

- VDP 1. All attachments to this form have been microfilmed. Today's date: 9/18/96.

**FILING**

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

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



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

September 16, 1992

Mr. John M. Beard  
3030 NW Expressway  
1405 Energy Plaza  
Oklahoma City, Oklahoma 73112

Dear Mr. Beard:

Re: Federal 3-34 Well, Section 34, Township 8 South, Range 18 East, Uintah County, Utah, Conversion to a Class II Injection Well

In accordance with Utah Admin. R. 649-5-3-3, administrative approval for conversion of the referenced well to a Class II injection well is granted.

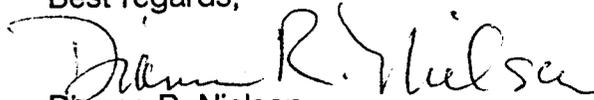
The following actions are necessary to fully comply with this approval:

1. Compliance with the Underground Injection Control requirements for operation, maintenance and reporting for Class II injection (disposal) wells.
2. A pressure test will be performed to verify the mechanical integrity of the well. Twenty-four hour advance notice to the Division is required to facilitate the witnessing of the test by a Division representative.
3. Submit evidence of the Bureau of Land Management's approval of the bonding requirements for plugging the well and restoration of the well site.
4. Additional information will be required by the Division to support evidence that offset oil and gas production will not be affected if the injection rate exceeds 500 barrels of water per month.

Page 2  
John M. Beard  
September 16, 1992

If you have any questions regarding this approval or the necessary requirements, please contact Mr. Gil Hunt at this office.

Best regards,



Dianne R. Nielson  
Director

ldc  
cc: McInay & Associates, Inc.  
Bureau of Land Management, Vernal  
R.J. Firth  
WUI229

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

SHARON ORR  
 BEARD, J / MCILNAY & ASSOC  
 2305 OXFORD LN  
 CASPER WY 82604

UTAH ACCOUNT NUMBER: N2930

REPORT PERIOD (MONTH/YEAR): 7 / 96

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
FEDERAL 1-34			GRRV			11-37812		
4304731346	00390	08S 18E 34						
FEDERAL 2-34			GRRV			11-37812		
4304731347	00391	08S 18E 34						
FEDERAL 3-34			GRRV			11-37812		
4304731497	00392	08S 18E 34						
<b>TOTALS</b>								

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge. Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_



WILDROSE RESOURCES CORPORATION

**FAX TRANSMITTAL SHEET**

DATE: 10/28/96

TO:

COMPANY: Utah Oil, Gas & Mining Div.

ATTN: Lisha

FAX #: 801-359-3940

FROM: WILDROSE RESOURCES CORPORATION

Kemp Kettenbecher

FAX # (303) 770-6568

PHONE # (303) 770-6566

NUMBER OF PAGES (Including Cover Sheet): 4

COMMENTS: 3 Entity Action Forms covering  
12 wells into Pariette unit

Oct. 28 1996 10:25AM P2

FROM : Wildrose Resources Corporation PHONE NO. : 303 770 6566

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Wildrose Resources Corporation  
ADDRESS 4949 South Albion Street  
Littleton, CO 80121

OPERATOR ACCT. NO. 119660

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
	00390	12021	4304731346	Fed. 1-34	SE/SE	34	8S	18E	Uintah		9/8/96
WELL 1 COMMENTS: Group w/ Paroette GRRU Entity Entities d/d 10-29-96. See											
	00391	12021	4304731347	Fed. 2-34	SW/SE	34	8S	18E	Uintah		9/1/96
WELL 2 COMMENTS: Group w/ Paroette GRRU Entity											
	00392	12021	4304731497	Fed. 3-34	NE/SW	34	8S	18E	U.atah		9/1/96
WELL 3 COMMENTS: Group w/ Paroette GRRU Entity											
	06052	12021	4304731410	Fed. 43-34D	NE/SE	34	8S	18E	U.atah		9/1/96
WELL 4 COMMENTS: Group w/ Paroette GRRU Entity											
	06061	12021	4304731423	Fed. 14-35D	SW/SW	35	8S	18E	U.atah		9/1/96
WELL 5 COMMENTS: Group w/ Paroette GRRU Entity											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENTS section to explain why each Action Code was selected.

(3/89)

Kary Kattula  
Signature  
V. P. : 10/20/96  
Title : Date  
Phone No. (303) 770-6566

STATE OF UTAH  
 DEPARTMENT OF ENERGY, GAS AND MINING  
 PERMIT ACTION FORM -- FORM 6

OPERATOR Wildrose Resources Corporation  
 ADDRESS 4949 South Alton Street  
Littleton, CO EC121

OPERATOR ACCT. NO. 9560

ACTION CODE	CURRENT SITE NO.	NEW ENTITY NO.	APR NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					N	E	T	R			
	12021	06178	4304731529	Fed. 33-34D	N/SE	E	8S	18E	Utah		9/1/96
WELL 1 COMMENTS: Group w/ Perrette SRRV Entity Entities d/d 10-29-96. Lee											
	12021	06181	4304731208	Fed 13-35 D	N/SE	E	8S	18E	Utah		9/1/96
WELL 2 COMMENTS: Group w/ Perrette SRRV Entity											
	12021	06197	4304731458	Fed 42-34D	SE/NE	E	8S	15E	Utah		9/1/96
WELL 3 COMMENTS: Group w/ Perrette SRRV Entity											
	12021	07580	4304731454	Fed. 1-35	SE/NE	E	8S	18E	Utah		9/1/96
WELL 4 COMMENTS: Group w/ Perrette SRRV Entity											
	12021	09640	4304731456	Fed. 3-35	SE/NE	E	8S	18E	Utah		9/1/96
WELL 5 COMMENTS: Group w/ Perrette SRRV Entity											

- ACTION CODES (See instructions on back of form)
- A - Existing well entity for new well - single well only
  - D - Add new well to existing entity (group or well)
  - C - Reassign well from one existing entity to another existing entity
  - N - Reassign well from one existing entity to new entity
  - E - Other - explain in comments section

NOTE: Use the above section to explain why each Action Code was selected.

(2-19)

Kerry Kistner  
 Signature  
 V.P.  
 Title  
 Date 9/20/96  
 Phone No. (303) 770-6566

STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING  
 ENTITY ACTION FORM - FORM 6

OPERATOR Wildrose Resources Corporation  
 ADDRESS 4949 South Albion Street  
Littleton, CO 80121

OPERATOR ACCT. NO. H 9660

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
	12021	09715	4304731455	Fed. 2-35	SE/NW	35	8S	18E	Utah		9/1/96
WELL 1 COMMENTS: Group w/ Paroette GRRU Entity Entities c/d 10-29-96. Jec											
	12021	70525	4304731637	Fed. 24-34D	SE/SW	34	8S	18E	Utah		9/1/96
WELL 2 COMMENTS: Group w/ Paroette GRRU Entity											
											<del>9/1/96</del>
WELL 3 COMMENTS: <del>Group w/ Paroette GRRU Entity</del>											
											<del>9/1/96</del>
WELL 4 COMMENTS: <del>Group w/ Paroette GRRU Entity</del>											
											<del>9/1/96</del>
WELL 5 COMMENTS: <del>Group w/ Paroette GRRU Entity</del>											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Kary Ketterbach  
 Signature  
 V. P. : 10/20/96  
 Title Date  
 Phone No. 303 770-6566

FROM : Wildrose Resources Corporation PHONE NO. : 303 770 6568 Oct. 29 1996 05:11PM P2

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Exhibit
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: See Attached Exhibit
2. NAME OF OPERATOR: Inland Production Company		9. API NUMBER:
3. ADDRESS OF OPERATOR: 1401 17th St. #1000 CITY Denver STATE Co ZIP 80202		PHONE NUMBER: (303) 893-0102
4. LOCATION OF WELL FOOTAGES AT SURFACE:		COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 4/15/04, Inland Production Company, as Contract Operator, will take over operations of the attached referenced wells. The previous operator was:

Wildrose Resources Corporation  
3121 Cherryridge Road  
Englewood, Colorado 80110-6007

Effective 4/15/04, Inland Production Company, as Contract Operator, is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under BLM Bond No. UT0056 issued by Hartford.

Attached is a list of wells included.

Previous Operator Signature:

Title:

NAME (PLEASE PRINT) <u>Marc MacAluso</u>	TITLE <u>CEO, Wildrose Resources Corporation</u>
SIGNATURE	DATE <u>4/15/04</u>

(This space for State use only)

RECEIVED

MAY 06 2004

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Exhibit
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: See Attached Exhibit	
2. NAME OF OPERATOR: Inland Production Company		9. API NUMBER:
3. ADDRESS OF OPERATOR: 1401 17th St. #1000 CITY Denver STATE Co ZIP 80202		10. FIELD AND POOL, OR WILDCAT:
PHONE NUMBER: (303) 893-0102		
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: _____		<b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
Effective 4/15/04, Inland Production Company, as Contract Operator, will take over operations of the attached referenced wells. The previous operator was:

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Attached is a list of wells included.

Current Contract Operator Signature: \_\_\_\_\_ Title: \_\_\_\_\_

---

NAME (PLEASE PRINT) Bill I. Pennington TITLE President, Inland Production Company

SIGNATURE *Bill I. Pennington* DATE 4/15/04

(This space for State use only)

**RECEIVED**  
**MAY 06 2004**  
DIV. OF OIL, GAS & MINING

EXHIBIT "A"  
Attached to Sundry Notices

Wildrose Resources Corporation  
and  
Inland Production Company

Unit	API	Well	Comp.	Elev.	Loc.	S.	1/4 1/4	Twp	Rng	Co.	Lease	Type
N	4304731528	REX LAMB 34-1	WR	4932* GR	2116 FNL 2132 FEL	34	SWNE	040S	010E	UTA	FEE	OW
N	4304731692	REX LAMB 34-2	WR	4932* GR	2018 FNL 1068 FEL	34	SENE	040S	010E	UTA	FEE	OW
N	4301331914	HARBOURTOWN FED 21-33	WR	5129* GR	0513 FNL 1938 FWL	33	NENW	080S	170E	DU	U-71368	OW
N	4301331915	HARBOURTOWN FED 42-33	WR	5128* GR	1954 FNL 0851 FEL	33	SENE	080S	170E	DU	U-71368	OW
N	4301331916	HARBOURTOWN FED 23-34	WR	5088* GR	1943 FSL 2162 FWL	34	NESW	080S	170E	DU	U-71368	OW
N	4301331917	HARBOURTOWN FED 44-34	WR	5063* GL	0835 FSL 0500 FEL	34	SESE	080S	170E	DU	U-71368	OW
N	4304732080	FEDERAL #23-26	WR	4910* KB	2113 FSL 1844 FWL	26	NESW	080S	180E	UTA	U-36442	OW
N	4304732700	FEDERAL 24-26	WR	4913* GR	0660 FSL 1980 FWL	26	SESW	080S	180E	UTA	U-36442	OW
N	4304732720	FEDERAL 13-26	WR	4905* GR	2018 FSL 0832 FWL	26	NWSW	080S	180E	UTA	U-36442	OW
N	4304732731	FEDERAL 12-26	WR	4924* GR	2956 FSL 0470 FWL	26	SWNW	080S	180E	UTA	U-36442	GW
N	4304732847	FEDERAL 34-26	WR	4907* GR	0741 FSL 1957 FEL	26	SWSE	080S	180E	UTA	U-75532	OW
N	4304732732	FEDERAL 43-27	WR	4862* GR	1917 FSL 0559 FEL	27	NESE	080S	180E	UTA	U-36442	OW
N	4304732733	FEDERAL 14-28	WR	4902* GR	0860 FSL 0846 FWL	28	SWSW	080S	180E	UTA	U-51081	OW
N	4304732743	FEDERAL 13-28	WR	4955* GR	2007 FSL 0704 FWL	28	NWSW	080S	180E	UTA	U-36442	OW
N	4304731464	PARIETTE FED 10-29	WR	4890* GR	1843 FSL 2084 FEL	29	NWSE	080S	180E	UTA	U-51081	OW
N	4304731550	W PARIETTE FED 6-29	WR	4892* GR	1978 FNL 2141 FWL	29	SENW	080S	180E	UTA	U-36846	OW
N	4304732079	FEDERAL 44-29	WR	4993* KB	0660 FSL 0660 FEL	29	SESE	080S	180E	UTA	U-51081	OW
N	4304732701	FEDERAL 43-29	WR	4886* GR	1904 FSL 0710 FEL	29	NESE	080S	180E	UTA	U-51081	OW
N	4304732742	FEDERAL 34-29	WR	4917* GR	0712 FSL 1925 FEL	29	SWSE	080S	180E	UTA	U-51081	OW
N	4304732848	PARIETTE FED 32-29	WR	4870* GR	1942 FNL 1786 FEL	29	SWNE	080S	180E	UTA	U-36846	OW
N	4304731116	NGC ST 33-32	WR	4930* GR	1914 FSL 1911 FEL	32	NWSE	080S	180E	UTA	ML-22058	OW
N	4304732077	FEDERAL 12-34	WR	4845* KB	1571 FNL 0375 FWL	34	SWNW	080S	180E	UTA	U-51081	OW
N	4304732702	FEDERAL 42-35	WR	4815* GR	1955 FNL 0463 FEL	35	SENE	080S	180E	UTA	U-51081	OW
N	4304732721	FEDERAL 43-35	WR	4870* GR	2077 FSL 0696 FEL	35	NESE	080S	180E	UTA	U-49430	OW
N	4304731345	GULF STATE 36-13	WR	4831* GR	1850 FSL 0600 FWL	36	NWSW	080S	180E	UTA	ML-22057	OW
N	4304731350	GULF STATE 36-11	WR	4837* GR	0677 FNL 0796 FWL	36	NWNW	080S	180E	UTA	ML-22057	OW
N	4304731864	GULF STATE 36-12	WR	4882* GR	1778 FNL 0782 FWL	36	SWNW	080S	180E	UTA	ML-22057	OW
N	4304731892	GULF STATE 36-22	WR	4923* GR	1860 FNL 1980 FWL	36	SENW	080S	180E	UTA	ML-22057	OW
N	4304732580	UTD STATE 36-K	WR	4809* GR	2120 FSL 1945 FWL	36	NESW	080S	180E	UTA	ML-22057	OW
N	4304732581	UTD STATE 36-M	WR	4744* KB	0848 FSL 0648 FWL	36	SWSW	080S	180E	UTA	ML-22057	OW
N	4304731415	WILDROSE FEDERAL 31-1	WR	4871* GR	2051 FSL 0683 FWL	31	NWSW	080S	190E	UTA	U-30103	OW
N	4301330642	MONUMENT BUTTE 1-3	WR	5156* GR	1945 FSL 0816 FWL	03	NWSW	090S	170E	DU	U-44004	OW
N	4301330810	MONUMENT BUTTE 2-3	WR	5107* GR	1918 FNL 1979 FWL	03	SENW	090S	170E	DU	U-44004	OW
N	4301331760	PINEHURST FEDERAL 3-7	WR	5096* GR	2062 FNL 1999 FEL	03	SWNE	090S	170E	DU	61252	OW
N	4301331761	PINEHURST FEDERAL 3-8	WR	5030* GR	1980 FNL 0660 FEL	03	SENE	090S	170E	DU	61252	OW
N	4301331764	RIVIERA FEDERAL 3-11	WR	5123* GR	2050 FSL 2008 FWL	03	NESW	090S	170E	DU	U-44004	OW
N	4301332183	RIVIERA FED 3-9	WR	5030 GR	1922 FSL 0605 FEL	03	NESE	090S	170E	DU	U-44004	OW
N	4301332184	RIVIERA FED 3-10	WR	5108 GR	2100 FSL 2190 FEL	03	NWSE	090S	170E	DU	U-44004	OW
N	4301331023	FEDERAL 15-1-B	WR	5177* GR	0660 FNL 1983 FEL	15	NWNE	090S	170E	DU	U-44429	OW
N	4304732777	BIRKDALE FED 13-34	WR	5067* GR	1768 FSL 0615 FWL	34	NWSW	090S	180E	UTA	U-68618	OW
Y	4304731346	FEDERAL 1-34	WR	4870* GL	0966 FSL 0653 FEL	34	SESE	080S	180E	UTA	U-37812	WI
Y	4304731347	FEDERAL 2-34	WR	4864* GL	0831 FSL 1986 FEL	34	SWSE	080S	180E	UTA	U-37812	OW
Y	4304731410	FEDERAL 43-34-D	WR	4839* GR	1964 FSL 0848 FEL	34	NESE	080S	180E	UTA	U-45031	OW
Y	4304731458	FEDERAL 42-34D	WR	4834* GR	2019 FNL 0650 FEL	34	SENE	080S	180E	UTA	U-51081	OW
Y	4304731497	FEDERAL 3-34	WR	4856* GR	1945 FSL 1849 FWL	34	NESW	080S	180E	UTA	U-37812	OW
Y	4304731529	FEDERAL 33-34-D	WR	4854* GR	1904 FSL 2025 FEL	34	NWSE	080S	180E	UTA	U-30688	WI
Y	4304731637	FEDERAL 24-34D	WR	4888* KB	0619 FSL 1880 FWL	34	SESW	080S	180E	UTA	U-45031	OW
Y	4304731208	FEDERAL 13-35D	WR	4851* GR	1794 FSL 0552 FWL	35	NWSW	080S	180E	UTA	U-49430	WI
Y	4304731423	FEDERAL 14-35-D	WR	4809* GR	0369 FSL 1085 FWL	35	SWSW	080S	180E	UTA	U-49430	OW
Y	4304731454	FEDERAL 1-35	WR	4833* GR	1832 FNL 1111 FWL	35	SWNW	080S	180E	UTA	U-53995	OW
Y	4304731455	FEDERAL 2-35	WR	4833* GR	2136 FNL 2136 FWL	35	SENW	080S	180E	UTA	U-53995	WI
Y	4304731456	FEDERAL 3-35	WR	4860* GR	1972 FNL 1892 FEL	35	SWNE	080S	180E	UTA	U-53995	OW

END OF EXHIBIT

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective: **4/15/2004**

<b>FROM: (Old Operator):</b> N9660-Wildrose Resources Corporation 3121 Cherryridge Road Englewood, CO 80110-6007 Phone: 1-(303) 761-9965	<b>TO: ( New Operator):</b> N5160-Inland Production Company 1401 17th St, Suite 1000 Denver, CO 80202 Phone: 1-(303) 893-0102
--	---

**CA No.** **Unit: Pariette (Green River) Unit**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 1-34	34	080S	180E	4304731346	12021	Federal	A	WI
FEDERAL 2-34	34	080S	180E	4304731347	12021	Federal	P	OW
FEDERAL 43-34-D	34	080S	180E	4304731410	12021	Federal	S	OW
FEDERAL 42-34D	34	080S	180E	4304731458	12021	Federal	P	OW
FEDERAL 3-34	34	080S	180E	4304731497	12021	Federal	P	OW
FEDERAL 33-34-D	34	080S	180E	4304731529	12021	Federal	A	WI
FEDERAL 24-34D	34	080S	180E	4304731637	12021	Federal	P	OW
FEDERAL 13-35D	35	080S	180E	4304731208	12021	Federal	A	WI
FEDERAL 14-35-D	35	080S	180E	4304731423	12021	Federal	S	OW
FEDERAL 1-35	35	080S	180E	4304731454	12021	Federal	P	OW
FEDERAL 2-35	35	080S	180E	4304731455	12021	Federal	A	WI
FEDERAL 3-35	35	080S	180E	4304731456	12021	Federal	P	OW

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/6/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/6/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 12/10/2003
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: applied for

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: applied for

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 5/10/2004

**DATA ENTRY:**

- 1. Changes entered in the **Oil and Gas Database** on: 5/18/2004
- 2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/18/2004
- 3. Bond information entered in RBDMS on: n/a
- 4. Fee wells attached to bond in RBDMS on: n/a
- 5. Injection Projects to new operator in RBDMS on: 5/18/2004
- 6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: n/a

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a

2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

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

```

06/12/97                D E T A I L   W E L L   D A T A                menu: opt 00
api num:  4304731497      prod zone: GRRV                sec   twnshp   range   qr-qr
entity:   12021 : PARIETTE (GRRV) U                    34   8.0   S    18.0 E   NESW
well name: FEDERAL 3-34
operator:  N9660 : WILDROSE RESOURCES CORP                meridian: S
field:    590   : 8 MILE FLAT NORTH
confidential flag:      confidential expires:            alt addr flag:
      * * * application to drill, deepen, or plug back * * *
lease number:  U-37812                lease type: 1                well type:      OW
surface loc:   1945 FSL 1849 FWL      unit name:
prod zone loc: 1945 FSL 1849 FWL      depth:      6100            proposed zone:
elevation:    4856' GR                 apd date:   840618          auth code:   C-3-B
* * completion information * *        date recd:
spud date:    840807                  compl date: 841003          total depth: 6204'
producing intervals: 5638-5789',5154-5214',4364-76'
bottom hole:  1945 FSL 1849 FWL      first prod: 841022          well status:   POW
24hr oil: 109      24hr gas: 49      24hr water: 37            gas/oil ratio: 447
      * * well comments:                directionl:                api gravity:   32.00
841129 ENTITY ADDED:960910 FR N2930:961029 FR ENTITY 392 9/96;UNIT APRV:

```

```

opt: 21 api: 4304731497 zone: GRRV date(yy-mm): 9700 enty      acct:

```

DATE 06/12/97

PRODUCTION INQUIRY SCREEN

MENU: OPTION 00

TWNSHP RANGE SC SPOT MD. API ZONE STATUS

8.0 S 18.0 E 34 NESW S 43-047-31497 GRRV POW

OPERATOR: N9660 : WILDROSE RESOURCES CORP

WELL NAME: FEDERAL 3-34

ENTITY: 12021 : PARIETTE (GRRV) U

ACCT	ENTY	STAT	DAYS	OIL PROD	GAS PROD	WATER PROD	PERIOD
CUM THRU 12/31/95				17,832	55,407	4,193	
N2930	392	SOW	0	0	0	0	96-01
N2930	392	TA	0	0	0	0	96-02
N2930	392	SOW	0	0	0	0	96-03
N2930	392	SOW	0	0	0	0	96-04
N2930	392	SOW	0	0	0	0	96-05
N2930	392	SOW	0	0	0	0	96-06
N2930	392	SOW	0	0	0	0	96-07
N2930	392	SOW	0	0	0	0	96-08
N9660	12021	POW	9	0	100	10	96-09
N9660	12021	POW	10	28	100	0	96-10
N9660	12021	POW	30	20	100	0	96-11
N9660	12021	POW	25	177	100	90	96-12
YTD				225	400	100	

OPT: 13 API: 4304731497 ZONE: GRRV PERIOD(YMM): 9600 ENTY: 0 ACCT:

DATE 06/12/97

PRODUCTION INQUIRY SCREEN

MENU: OPTION 00

TWNSHP RANGE SC SPOT MD. API ZONE STATUS

8.0 S 18.0 E 34 NESW S 43-047-31497 GRRV POW

OPERATOR: N9660 : WILDROSE RESOURCES CORP

WELL NAME: FEDERAL 3-34

ENTITY: 12021 : PARIETTE (GRRV) U

ACCT	ENTY	STAT	DAYS	OIL PROD	GAS PROD	WATER PROD	PERIOD
CUM THRU 12/31/95				17,832	55,407	4,193	
N9660	12021	POW	17	64	100	0	97-01
N9660	12021	POW	24	169	100	53	97-02
N9660	12021	POW	27	201	100	37	97-03
N9660	12021	POW	30	43	100	125	97-04
		YTD		477	400	215	

OPT: 13 API: 4304731497 ZONE: GRRV PERIOD(YMM): 9700 ENTY: 0 ACCT:



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005

3. Bond information entered in RBDMS on: 2/28/2005

4. Fee/State wells attached to bond in RBDMS on: 2/28/2005

5. Injection Projects to new operator in RBDMS on: 2/28/2005

6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*

The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-37812

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. PACT OR LEASE NAME

Federal

9. WELL NO.

3-34

10. FIELD AND POOL, OR WILDCAT

E. Pleasant Valley

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

Sec. 34-T8S-R18E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

RECEIVED

NOV 12 1984

JOHN M. BEARD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PIG BACK  DIFF. REMOV.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
John M. Beard

3. ADDRESS OF OPERATOR  
c/o McIlroy-Adams & Co., Inc.  
2305 Oxford Lane, Casper, Wyoming 82604

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 1849' FWL & 1945' FSL (NE NW) Sec. 34-T8S-R18E  
At top prod. interval reported below Same  
At total depth Same

14. PERMIT NO. 43-047-31497 DATE ISSUED

15. DATE SPUDDED 8-7-84 16. DATE T.D. REACHED 9-3-84 17. DATE COMPL. (Ready to prod.) 10-3-84 18. ELEVATIONS (DP, RKB, RT, GR, ETC.)\* 4856' GL ungraded 19. ELEV. CASINGHEAD 4856'

20. TOTAL DEPTH, MD & TVD 6204' 21. PLUS, BACK T.D., MD & TVD 6156' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 0 - 6204' ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
5638' - 5789' -- Lower Green River 4364' - 4376' --  
5154' - 5214' -- Middle Green River; Upper Green River  
25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS R/U  
GR-CCL-CBL-VDL-LDT-CNL-DIL-SFL  
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	307.35'	12 1/4"	250 sx Class "A"	none
5 1/2"	17	6202.06'	7 7/8"	165 sx HiFill, 340 sx, Class "A"	none

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6130'	AC - 4282'

31. PERFORATION RECORD (Interval, size and number)

5638' - 5789'	--	33 holes
5154' - 5214'	--	32 holes
4364' - 4376'	--	25 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5638' - 5789'	9.5b HCl, 75000g Versagel, 196000
5154' - 5214'	9.5b HCl, 66160g Versagel, 146000
4364' - 4376'	300g HCl, 47580g Versagel, 101000

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut in)
10-22-84	Pumping (228 Unit) - Pump 1 3/4" x 86" x 8 SPM	Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
10-26/10-29	72	2"	→	326	145.8	110*	447

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
20 psi	20 psi	→	108.7	48.6	37*	32° API

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Sold and lease fuel  
TEST WITNESSED BY  
C. K. Adams

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 C. K. Adams, P.E. TITLE Consultant - Agent DATE November 9, 1984

\*(See Instructions and Spaces for Additional Data on Reverse Side) \*Frac/Load Water

## 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 35.

**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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

### 38.

### GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Uintah	Surface	
Green River	1574'	
Mahogany	3054'	
Green Shale	4082'	
Douglas Creek	4816'	
Green River Ls	5998'	
Wasatch	6155'	

FEDERAL 3-34  
1849' FWL & 1945' FSL (NE/SW)  
SECTION 34, T8S, R18E  
EIGHT MILE FLAT NORTH FIELD  
UINTAH COUNTY, UTAH

GL: 4856'

Spud: 08/07/84  
Compl: 10/03/84

Base Of USDW @ 256'

Uinta Formation @ Surface

Top of Green River Formation @ 1574'

Top of Cement @ 2150' (CBL)

Wasatch Tongue of Green River Formation @ 5998'

PBTD @ 6156'

TD @ 6204'

12-1/4" hole

8-5/8", 24# Csg. @ 307'  
Cmtd. w/250 sx to surf.

← 7-7/8" hole

Tbg Anchor @ 4282'

PERFS:

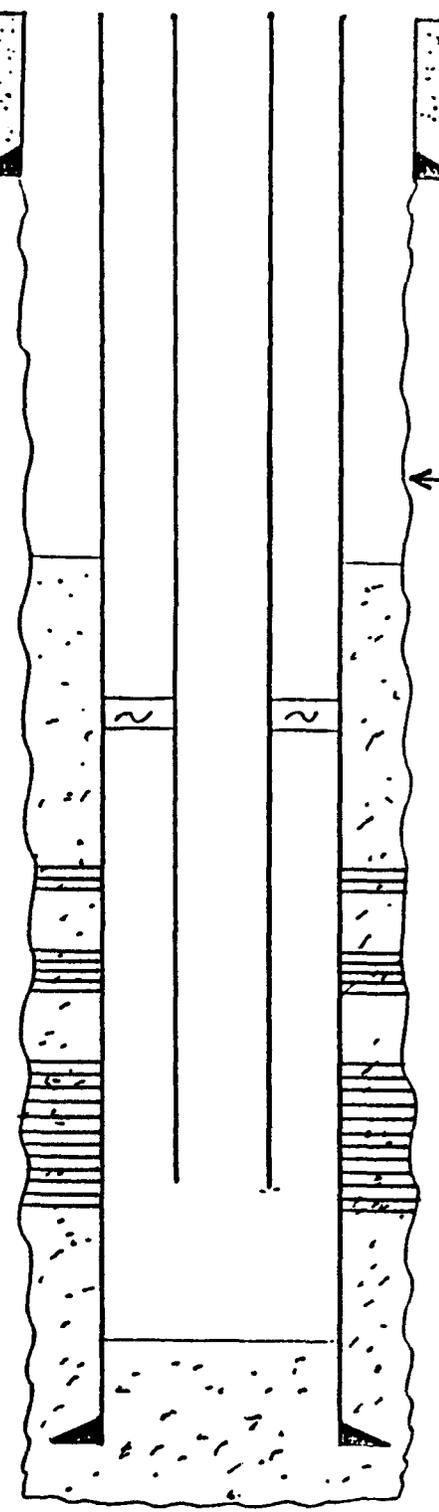
4364' - 4376' (25 holes)

5154' - 5214' (32 holes)

5638' - 5789' (33 holes)

2-7/8", 6.5#, J-55 tbg @ 5759'

5-1/2", 17# csg @ 6202'  
Cemented w/ 505 sx



CURRENT WELLBORE DIAGRAM