

UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/ABD. _____

DATE FILED 1-13-78

LAND: FEE & PATENTED X STATE LEASE NO. _____ PUBLIC LEASE NO. _____ INDIAN _____

DRILLING APPROVED: 1-13-78

SPUDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: 10-13-79 - LOCATION ABANDONED! Well never drilled

FIELD: Cisco 3/86 Greater Cisco

UNIT: _____

COUNTY: Grand

WELL NO. Tomlinson Fee #2

API NO: 43-019-30422

LOCATION 300' FT. FROM (N) ~~182~~ LINE. 2340' FT. FROM (E) ~~XX~~ LINE. NW NW NE 1/4-1/4 SEC. 12

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				21S	23E 12		WALTER D. BROADHEAD

Spud letter

Smead

LOS ANGELES U.S.A.

6-13-79 - Location Abandoned

FILE NOTATIONS

Entered in NID File ..✓.....
Location Map Pinned ..✓.....
Card Indexed ..✓.....

Checked by Chief ..✓.....
Approval Letter ..
Disapproval Letter ..

COMPLETION DATA:

Well Completed
W..... WW..... TA.....
GW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
Sonic GR..... Lat..... Mi-L.....
CCLog..... Other.....

CDW 11-14-90

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

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 Single Zone Multiple Zone

2. Name of Operator
Walter D. Broadhead

3. Address of Operator
1645 North 7th Street, Grand Junction, Colorado 81501

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface 2340 ft. west of east line

At proposed prod. zone 300 ft. south of north line

14. Distance in miles and direction from nearest town or post office*
2 miles north of Cisco, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 300 ft.
16. No. of acres in lease 160

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. 1700 ft.
17. No. of acres assigned to this well
20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
22. Approx. date work will start* March 1, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
8-3/4"	7" new	17 lb.	100'	25 SX Circulated
6-1/4"	4-1/2" new	9.5 lb.	800'	40 SX

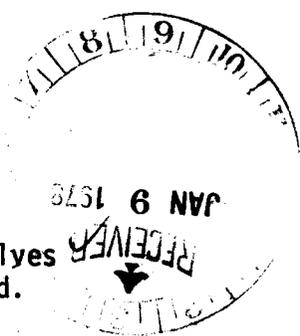
Surface Formation: Mancos
Propose to test Dakota & Cedar Mountain Formations
Surface Use Plan Attached:

SURFACE MANCOS SHALE
715' DAKOTA SANDSTONE
1140' SALT WASH
1550' ENTRADA

Pressure Control: Schematic attached showing BOP, Kill lines, check valves and pressure ratings. Seven Point Plan also attached.

Logging: IES and FDC. No coring planned.

Hazards: Experience does not indicate that abnormal pressures or Hydrogen Sulfide will be encountered.



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.

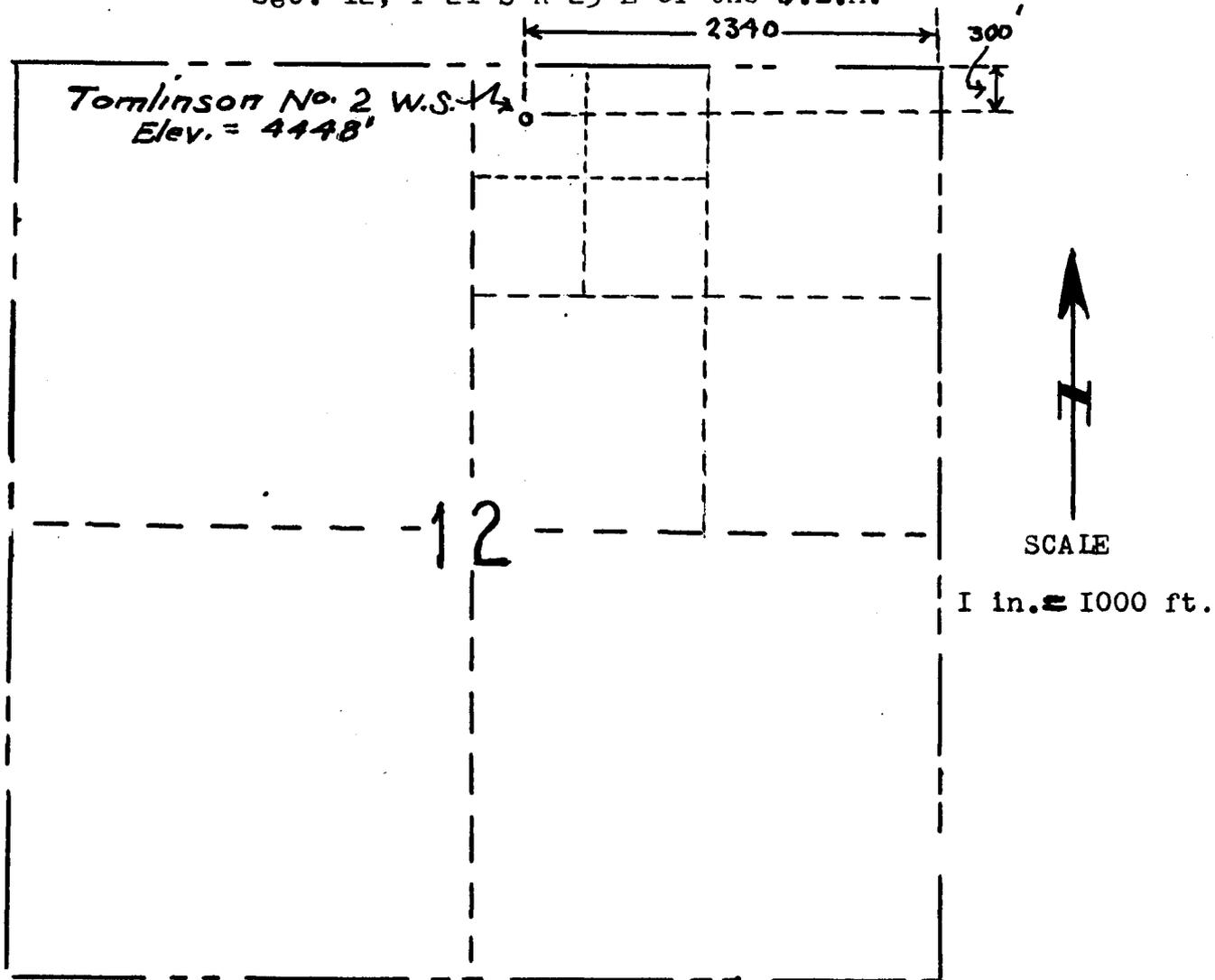
24. Signed: Walter D. Broadhead Title: operator Date: 1-6-78

(This space for Federal or State office use)
Permit No. 43-019-30422 Approval Date _____

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

WELL LOCATION
TOMLINSON No. 2

in the
N.W. $\frac{1}{4}$ N.W. $\frac{1}{4}$ N. E. $\frac{1}{4}$ of Sec. 12
2340 ft. West of the East line and
300 ft. South of the North line of
Sec. 12, T 21 S R 23 E of the S.L.M.



Jan. 4, 1978

Surveyed, drawn and certified by H. D. Clark

Signed Henry Demison Clark
Colorado Registered Land Surveyor
No. 689

January 6, 1978

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

Gentlemen:

I am aware of the West #2 well drilled in Sec. 12, T20S, R23E. I understand they have open hole completion from 1054 feet to 1059 feet.

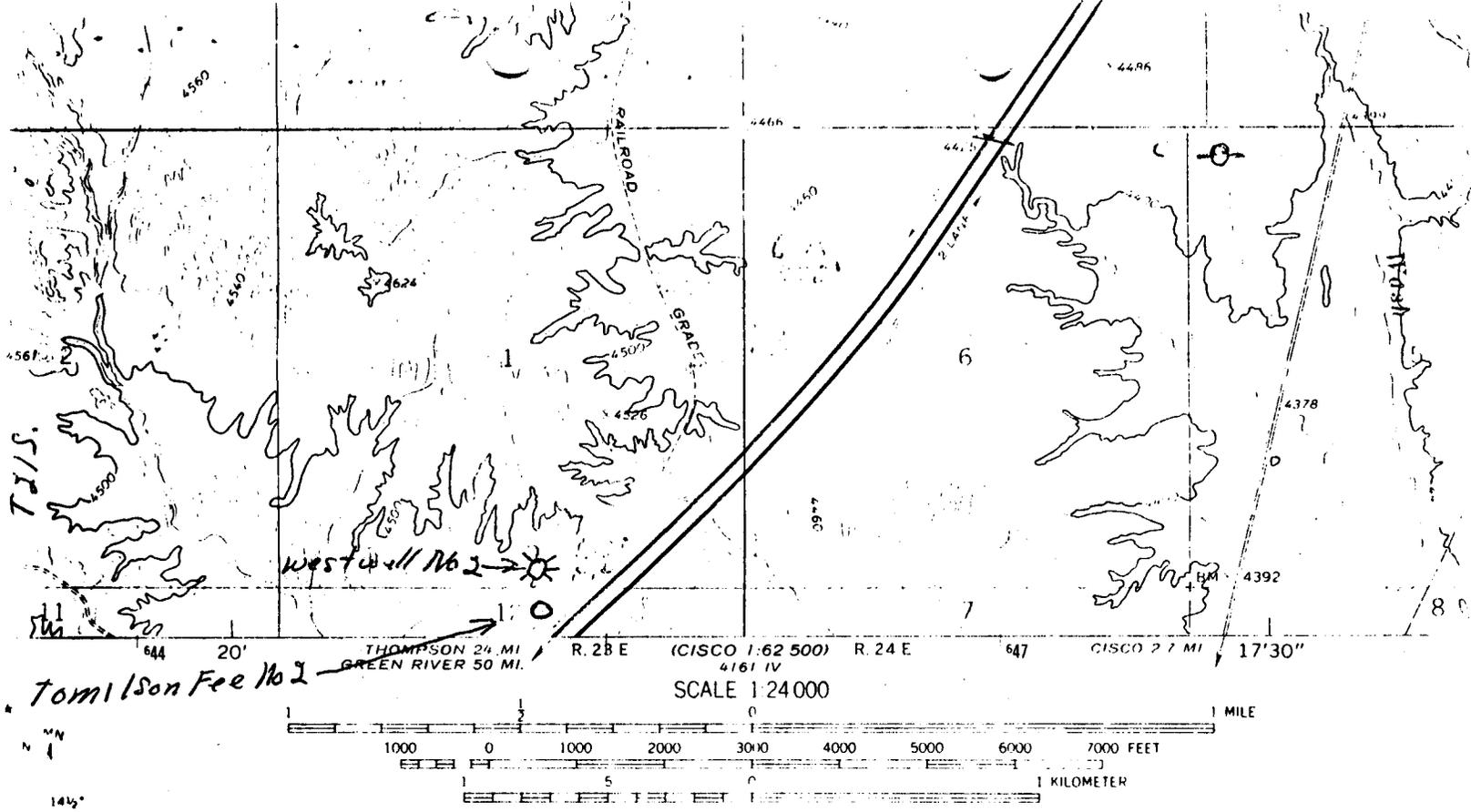
We do not intend to produce from the same zone they are producing. We are applying for all other zones.

Very truly yours,



Walter D. Broadhead

tsi



THOMPSON 24 MI
 GREEN RIVER 50 MI.

R. 28 E (CISCO 1:62 500) R. 24 E
 4181 IV
 SCALE 1:24 000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
 1 5 10 15 20 KILOMETER

CONTOUR INTERVAL 20 FEET
 DOTTED LINES REPRESENT 10-FOOT CONTOURS
 DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U.S. GEOLOGICAL SURVEY DENVER, COLORADO 80225 OR WASHINGTON, D.C. 20242

QUADRANGLE
 QUAHADA

LOCATION AND VICINITY MAP

FOR

COMPANY Walter D. Broadhead

LEASE Tomlison

WELL NO. Tomlison Fee No 2

SEC. 12 T 21 South R 28 E

LOCATION 2340 West FEET FROM East LINE

300 South FEET FROM North LINE

ELEVATION 4448' GR

USGS QUADRANGLE Danish Flats Utah

Walter D. Broadhead

WALTER BROADHEAD
1645 N. 7th St.
Grand Junction, Colorado 81501

Re: Well No. Tomlison Fee No 2
Sec. 12, T21S, R23E, SLB&M
Grand County, Utah
Lease: Tomlison

SURFACE USE PLAN

Geographical: 8 miles east of Cisco, Utah

Terrain: Low, rolling hills of Mancos shale.

Vegetation: Very sparse.

Surface Water: None. This is dry, desolate, desert country.

1. Existing Roads: Existing roads are 15-18 feet wide, with native ground as surface material. This is primarily Mancos shale with a little Cretaceous gravel in some places.

The included map shows all access roads and roads within a several mile radius of the locations.

There are no immediate plans for improvement of existing roads. If commercial production is found and road improvement is needed, it will be considered at the appropriate time.

2. Planned Access Roads: The map indicates all necessary access roads be constructed which will be to the same physical characteristics as existing roads - 15-18 feet wide with native Mancos Shale as surface with maximum grades not to exceed 3-4%. There will be no culverts required and no major cuts and fills required for access to any of the wells applied for. No fence cuts or cattle guards will be required.
3. Location of Existing Wells: As you can see from the map, existing wells have been located upon the map. The status of the wells is generally indicated on the map by the manner in which the well is marked. There are no water wells or disposal wells. The wells applied for in this application have been referenced in two directions with reference stakes set at 100 and 150 feet in two directions giving a total reference of 300 feet for each well.

WALTER BROADHEAD
1645 N. 7th St.
Grand Junction, Colorado 81501

Re: Well No. Tomlison Fee No 2
Sec. 12, T20S, R24E, SLB&M
Grand County, Utah
Lease: Tomlison

PRESSURE MONITORING AND CONTROL DATA
SEVEN POINT PLAN

1. Surface Casing: Set at ~~200'~~ 100'
Size 7"
Weight 17 lb.
Length Range 2
Grade J-55 new. Tested to 3000 psig.
2. Casing Heads:
Series 600 - 1500 psi working pressure.
3. Production Casing:
Size 4-1/2"
Weight 9.5 lb.
Length Range 3
Grade J-50, new, tested to 3000 psig.
4. Pressure Control:
BOP Regan Torus BOP
Series 600 - Tested to 3000 psig.
Rams One size fits all - even blind.
Will use fill, kill and choke lines.
5. Auxiliary Pressure Control:
 - a. Kelly cocks.
 - b. Check valve at bit.
 - c. Monitoring equipment on mud system.
 - d. A sub on floor with a full opening valve to be stabbed into drill pipe when Kelly is out of string.
6. Anticipated Bottom Hole Pressure:
550 psig.
7. The Type of Drilling Fluid:
Air until gas encountered. GEL
Mud up with ~~Polymer~~ mud with NaCl and CaCl₂ as weighting agent - 10.5 to 11.00 lb. per gal. as required.

4. Location of Existing and/or Proposed Facilities:

- a) There are no tank batteries off of well locations within a one mile radius of the proposed locations. Gas gathering lines are indicated on the attached map.
- b) If production is found, storage facilities will be located on the location. If gas is discovered in commercial quantities, necessary pipelines will be applied for at that time.

Complete protective measures such as fences will be used to protect livestock and wildlife in the area.

- c) Rehabilitation of all disturbed areas no longer needed after construction is completed will be returned to smooth contour and all debris will be cleaned up. All pits will be covered and cleaned up after drill operations. Those pits required for production will be fenced.

5. Location and Type of Water Supply: Water will be acquired from the Colorado River, which is about 5 miles southwest of Cisco, Utah. Water will be transported by truck. Existing roads will be used to transport water.

No water well will be drilled on the lease.

6. Source of Construction Materials: No construction materials such as sand, gravel, stone and soil will be used other than that found in the native location.

In the event that tanks and production equipment are required, gravel will be hauled from Grand Junction, Colorado to set tanks on. This gravel will be purchased from private enterprise.

7. Methods for Hauling Waste Disposal:

- a) Cuttings - The hole will be 90% air drilled and cuttings will be blown out on the ground. These cuttings will be smoothed out and integrated into the native ground surface.
- b) Drilling Fluids - Will be contained in steel mud tanks. A dirt pit will be dug to contain excess flow out of the well during cementing and completion operations. Of course, these pits will be cleaned up and covered up.
- c) Produced Fluids such as Oil and Water - Will be properly disposed of with oil being stored in tanks and water being diverted to the pit and disposed of as required.
- d) Sewage - There will be no sewage generated by the short drilling operations.
- e) Garbage and Other Waste Material - Will be contained in 30 gallon galvanized garbage cans and hauled off the location.

SURFACE USE PLAN (cor)

- f) As stated before, the entire well site area will be properly cleaned up and restored to smooth contour when the rig moves out. Only that part of the location required for production operations will be kept in use. In the event of a dry hole, the only appurtenance left at the location will be the required dry hole marker.
8. Ancillary Facilities: There will be no camps or air strips required for this drilling operation.
9. Well Site Layout: A plat on a scale of 1" = 20' is included with the application showing location and orientation of the drilling rig, mud tanks, reserve pit, pipe racks and other appurtenances to the operation. For the time being pits will be unlined as allowed by present law. The only water introduced into these pits will be fresh water used in the drilling operation.
10. Plans for Restoration of Surface: As stated before, the entire location will be restored to smooth contour. Also stated, the vegetation in this desert area is extremely sparse and it is quite doubtful that revegetation would be practical at all.

It is intended to have all locations cleaned up within 30 days after operations are concluded.

11. Other Information:

- a) The topography of these locations near Cisco, Utah is a very gentle rolling, flat characteristic. The soil is raw Mancos shale with extremely sparse vegetation. A few coyotes, prairie dogs and cottontail rabbits occupy the entire area.
- b) The only other surface use activities other than petroleum exploration in the area is in spring grazing of the sparse vegetation by cattle and sheep.
- c) The proximity of water has been described at the Colorado River which is about 5 miles southwest of Cisco, Utah. The only occupied dwellings are at Cisco, Utah, which has been located already. There will be no disturbance to archeological, historical or cultural sites by drilling the applied-for wells in the present applications. The land is under the jurisdiction of the Bureau of Land Management.

12. Operator's Representative:

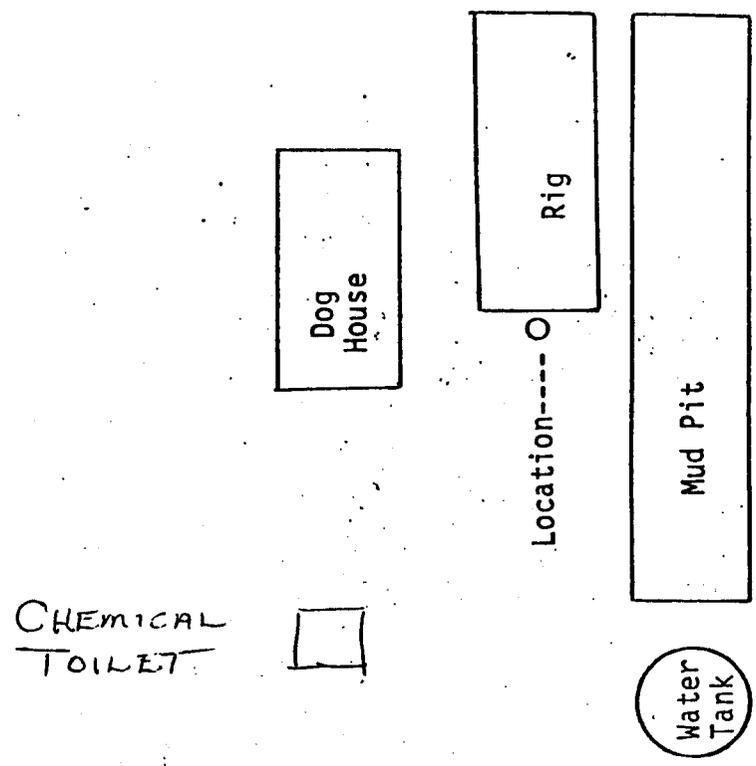
Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501
(303) 242-7717

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

Date 1-6-78

Walter D. Broadhead
Walter D. Broadhead
~~Consulting Engineer~~

WELL SITE LAYOUT



Scale 1" = 10 Feet

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: Jan. 10-

Operator: Walter Broadhead

Well No: Tomlinson Fee #2

Location: Sec. 12 T. 21S R. 23E County: Grand

File Prepared:
Card Indexed:

Entered on N.I.D.:
Completion Sheet:

API NUMBER: 13-019-30722

CHECKED BY:

Administrative Assistant SW

Remarks: OK fits Order No other well in Sec. 12

Petroleum Engineer OK Pat

Remarks:

Director 2

Remarks:

Include in letter that well will not produce from the zone in west #2

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 102-5

Surface Casing Change to

1054-1059

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

O.K. Rule C-3

O.K. In Unit

Other:

Letter Written/Approved

I have a Bond on this
Lease

Walter

January 13, 1978

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501

Re: Well No. Tomlinson Fee #1
Sec. 12, T. 21 S, R. 24 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 102-5.

However, said approval shall be contingent upon the fact that the above well will not be completed or produce from the same stratigraphic interval as the West #2 (1054' - 1059").

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 53355771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

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

The API number assigned to this well is 43-019-30422.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director



CALVIN L. HAMPTON
Governor

GORDON E. HARMON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

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CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
HYRUM L. LEE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116

June 12, 1978

Walter D. Broadhead
1645 N. 7th St.
Grand Junction, Colorado 81501

Re: Please see attached sheet for list
of wells and months due--

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months indicated above on the subject well(s).

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form GGC-1b, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK

POOR COPY

Walter D. Broadhead
Attachment - Reports due

Well No. Patsantaras #1
Sec. 7, T. 20S, R. 24E,
Grand County, Utah - WELL COMPLETION REPORT DUE
THIRD REQUEST

Well No. Federal Reina #1
Sec. 14, T. 20S, R. 24E,
Grand County, Utah - Aug. 77 thru' May 78

Well No. Ari-Mex Federal Sussex #1
Sec. 22, T. 20S, R. 24E,
Grand County, Utah - WELL COMPLETION REPORT DUE

Well No. Broadhead Federal #2
Sec. 6, T. 21S, R. 24E,
Grand County, Utah Aug. 77 thru' May 78

Well No. Broadhead Federal #3
Sec. 6, T. 21S, R. 24E,
Grand County, Utah - Aug. 77 thru' May 78

✓ Well No. Tomlinson Fee #2
Sec. 12, T. 21S, R. 24E,
Grand County, Utah - Feb. 78 thru' May 78



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

CHARLES R. HENDERSON
Chairman

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
May 25, 1979

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

Walter D. Broadhead
1645 N. 7th Street
Grand Junction, Colorado 81501

Re: Well No. Tomlinson Fee #2
Sec. 12, T. 21S, R. 24E,
Grand County, Utah 23

Drop

Well No. Federal Lansdale #3
Sec. 29, T. 20S, R. 24E,
Grand County, Utah

*Drilled
Rents to Fold*

Well No. Federal Broadhead #3
Sec. 6, T. 21S, R. 24E
Grand County, Utah

Hold Active

Well No. Broadhead Federal #2
Sec. 6, T. 21S, R. 24E
Grand County, Utah

Hold Active

*Kathy from
Info
Walter*
[Signature]

Gentlemen:

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

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms.

Until these reports are filed with this office, there will be no more approvals of applications.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Kathy Avila
KATHY AVILA
RECORDS CLERK