



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

December 7, 1984

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

Dear Applicant:

RE: TEMPORARY APPLICATION
NUMBER 01-215 (T60451)

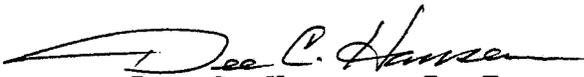
Enclosed is a copy of approved Temporary Application Number 01-215 (T60451). This is your authority to construct your works and to divert the water for the uses described.

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

This application will expire October 31, 1985, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

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

Yours truly,


Dee C. Hansen, P. E.
State Engineer

DCH:slm

Encl.: Copy of approved Temporary Application

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Walter D. Broadhead

3. ADDRESS OF OPERATOR
 1645 No 7th St Grand Jct, Co 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1644 "FNL and 801' FWL of sec. 7
 At proposed prod. zone T21S R24E S1B1M LOT 2

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Two miles north of Cisco, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 801'

16. NO. OF ACRES IN LEASE 1975. ac.

17. NO. OF ACRES ASSIGNED TO THIS WELL NA

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2640'

19. PROPOSED DEPTH 1500' *Contracted*

20. ROTARY OR CABLE TOOLS rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4424 GR

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

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 1/8" <i>6 3/4"</i>	8 5/8"	24 lb.	100'	Cir to surface
	4 1/2"	10 1/2	110'	50 SX

EXHIBITS ATTACHED:

- A location and elevation plat
- B Ten-point compliance program
- C Blowout preventor diagram
- D Multi-point requirements for APD
- E Route and distance road map
- F Access road and radius map of wells in area
- G Drill pad layout
- H Drill rig layout
- I Production facility layout

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

DATE: 4/25/85

BY: John R. Bay

WELL SPACING: Casey 102-16 (B)
11/15/79

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.

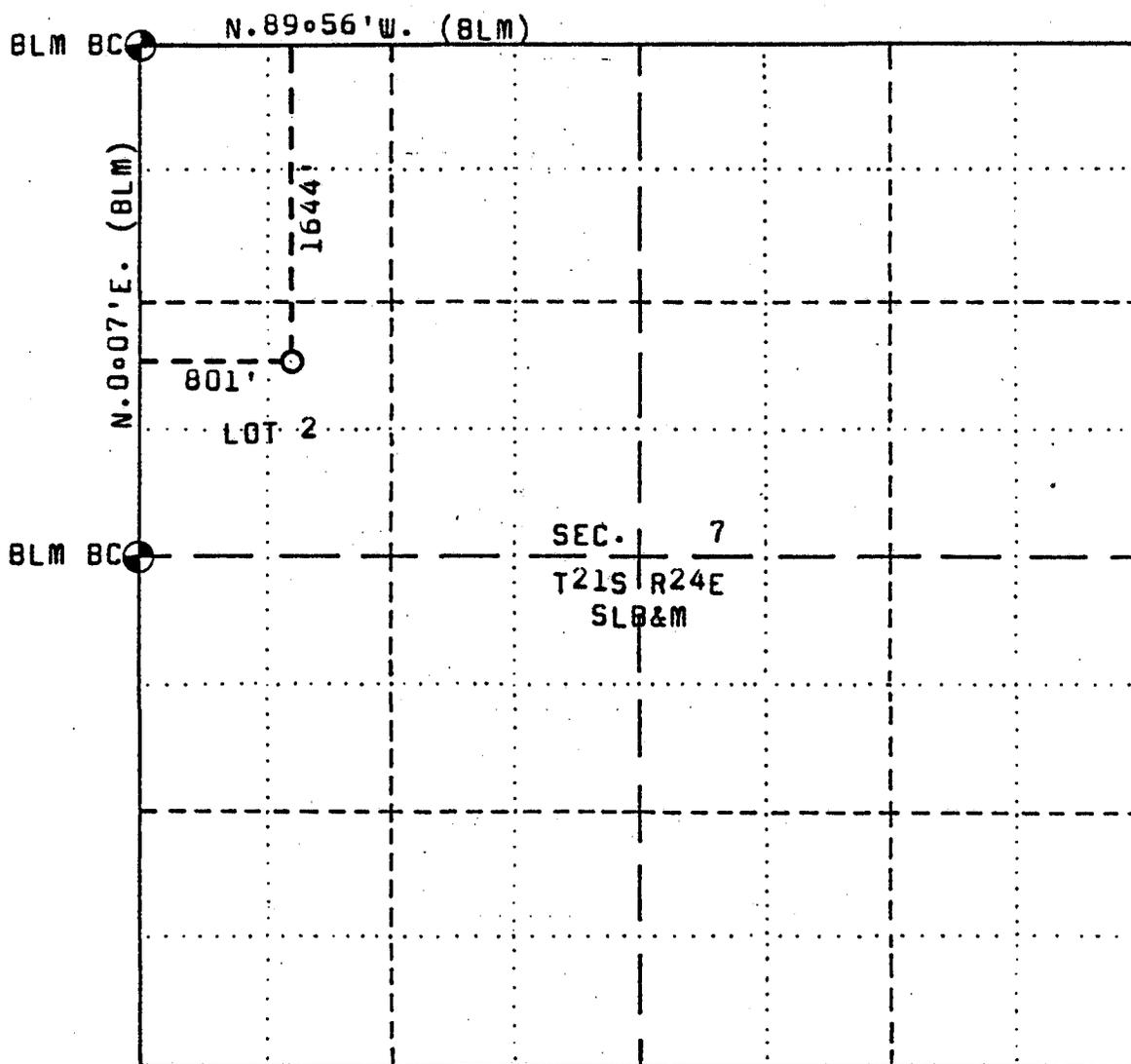
24. SIGNED Walter D. Broadhead TITLE Operator DATE 4.15-85

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



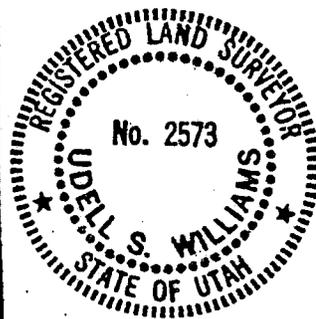
SCALE: 1" = 1000'

FEDERAL BROADHEAD #7-5

Located 1644 feet from the North line and 801 feet from the west line of section 7, T21S, R24E, SLB&M.

Elev. 4424

Grand County, Utah



SURVEYOR'S 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

Udell S. Williams



UDELL S. WILLIAMS
751 Rood Avenue
Grand Junction, Colorado 81501

PLAT OF
PROPOSED LOCATION
FEDERAL BROADHEAD #7-5
LOT 2 SECTION 7
T21S, R24E, SLB&M

SURVEYED BY: USW DATE: 4/10/85
DRAWN BY: USW DATE: 4/11/85

April 12, 1985

Ten point plan to comply with NTL-6
(Supplement to 9-331 C)

Well Name: Walter D. Broadhead
Federal Broadhead # 7-5
SW $\frac{1}{4}$ NW $\frac{1}{4}$ S 7 T 21S R 24E SLB & M
Federal Lease U-26421

1. Geological name of surface formation

Mancus shale

2. Estimated tops of important geological markers

Dakota	670'
Morrison	790'
Entrada	1500'

3. Estimated depth at which water, oil and/or gas is anticipated

Water - from scattered gravel beds from surface to 100' if any

Oil or gas - any of the geological sections noted above

4. Proposed casing program

See Paragraph 23 of 9-331 C

5. Pressure control details

- a. Shaffer double BOP with rams 3,000 psi (Hyd closing unit) tested to 1,000 psi after surface pipe is cemented, then daily thereafter (Exhibit "C")
- b. Grant rotating head above BOP
- c. Full shut-off valve on wellhead and exhaust line, see attached diagram

6. Drilling mud and weight material program

Plans call for air drilling to total depth, adding soap to mist if necessary. If excessive formation water, oil or gas is encountered, the hole will be mudded up with 100 Vis. 8.2 to 10# starch base drilling mud with KCL added. Well will then be drilled to total depth.

7. Auxiliary Equipment to be Used

- (a) Kelly Cock will be kept in the string.
- (b) A full opening stabbing valve will be on the floor for use, when the Kelly is not in the string.
- (c) A float will be run at the bit.
- (d) ~~Monitoring equipment will be installed and used on the mud system.~~

8. The Testing, Logging and Coring Programs

- (a) Drill stem tests are not planned at this time.
- (b) The logging program will consist of Induction Electric & Compensated Nuclear Density.
- (c) No coring is planned.
- (d) Drilling samples will be caught at 30' intervals BSC to 800' from 100' to TD samples at 5' intervals.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

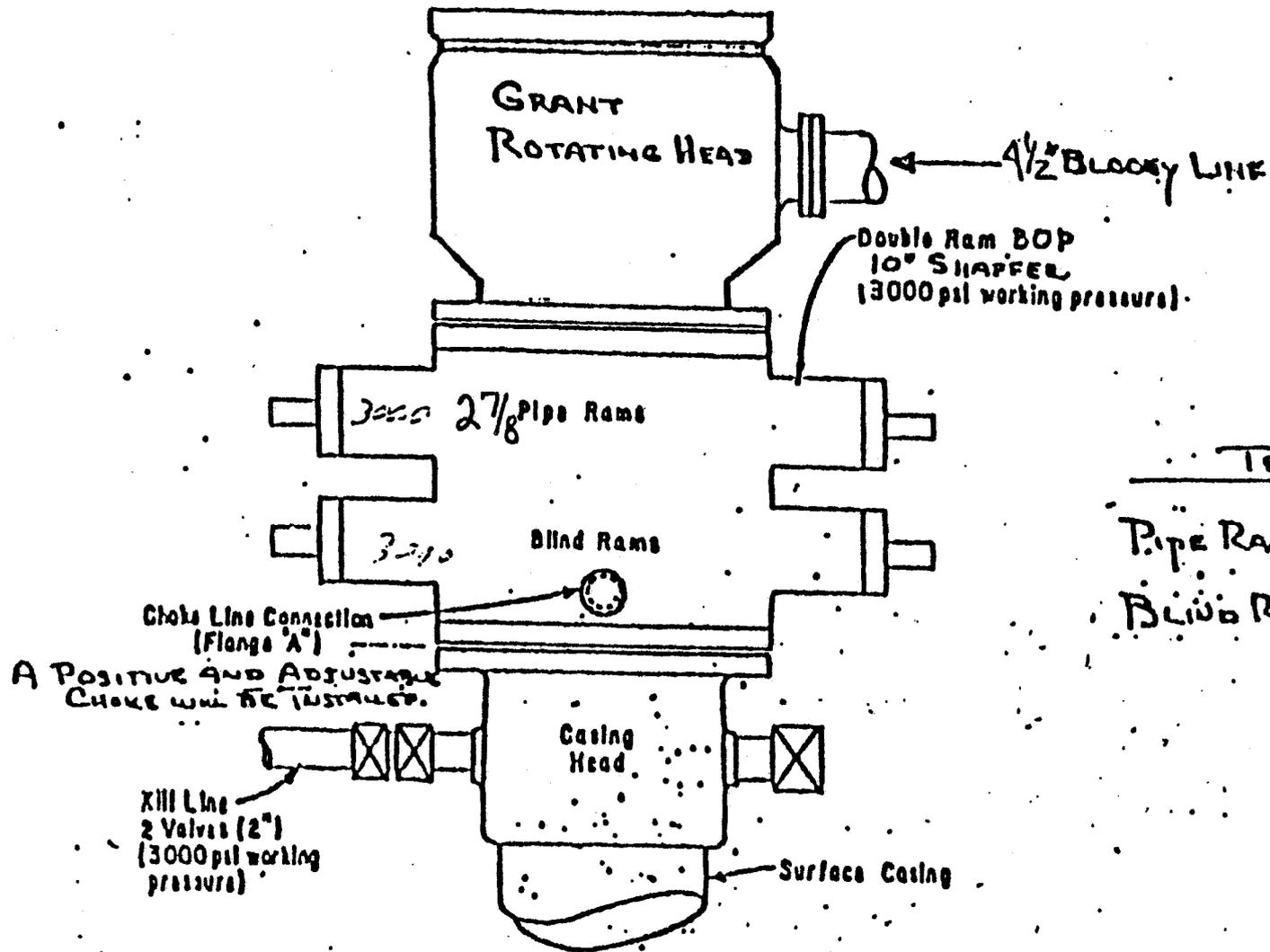
No abnormal gas pressures or temperatures are expected. No hydrogen sulfide or other hazardous gasses or fluids have been reported in the area.

10. Anticipated Starting Date and Duration of Operations

The anticipated starting date is May 1, 1985 or as soon as possible after approval of all drilling requirements.

Drilling operations should be completed 7 to 10 days after spudding.

EXHIBIT "C"



TESTING FREQUENCY

PIPE RAMS: DAILY
BLIND RAMS: EVERY TRIP

EXHIBIT "D"

MULTI-POINT REQUIREMENTS TO ACCOMPANY APO

1. Existing Roads

- A. Exhibit "A" is the proposed well site as staked by Udell Williams and the ground elevation is shown thereon.
- B. Exhibit "E" is the route and distance road map. The location is 2 miles northeasterly from Cisco, Utah, and approximately 1/4 mile from the Agate Field on the northerly side,
- C. Exhibit "F" is a print of the Cisco quadrangle and shows the access road to the location.
- D. All known existing roads appear on Exhibits "E" & "F"
- E. This is considered a Development Well.
- F. All roads from Cisco to the Location are in good condition and carry heavy truck traffic regularly. The next 0.3 mile of existing roadway will be maintenance graded as equipment moves in to construct well pad.

2. Planned Access Roads

The 0.3 mile of new access road will be of minimum disturbance. The brush will be bladed off and windrowed along the Northerly side of the road.

- (1) The typical section of the proposed access road will be 15' in width.
- (2) Maximum grade will be 2% to 4%.
- (3) No turnouts are required.
- (4) (5) No culverts are necessary.
- (6) Surface material will be that native to the area.
- (7) No gates or cattleguards are required.
- (8) The proposed access road has been flagged.

3. Location of Existing Wells

For all existing wells within a one-mile radius of the development well, see Exhibit "F".

- (1) There are no water wells.
- (2) Abandoned wells - see Exhibit "F".
- (3) There are no temporarily abandoned wells.
- (4) There are no disposal wells.
- (5) There are no drilling wells.
- (6) Producing wells - see Exhibit "F".
- (7) There are no shut-in wells.
- (8) There are no injection wells.
- (9) ~~There are no monitoring or observation wells for other resources.~~

4. Location of Existing and/or Proposed Facilities

- A. Within a one-mile radius of this location are existing facilities owned or controlled by lessee/operator as shown on Exhibit "F".
- B.
 - (1) Exhibit "I" shows all anticipated production facilities.
 - (2) The dimensions of production facilities shown on Exhibit "I" are drawn to a scale of 1" = 40'.
 - (3) The only construction materials needed from outside the location would be gravel for a pad under separator and/or dehydrator unit. Gravel would be trucked into the location over the access road by the dirt contractor from the nearest commercial pit in the Cisco area.
 - (4) If a small pit is required, it will be fenced and flagged.
- C. Rehabilitation, whether the well is productive or not, will be made on unused areas as soon as practical in accordance with the restoration plans presented in Item 10 following.

5. Location and Type of Water Supply

A. Water will be trucked from *Cottonwood Wash* Grand Junction, Co.

B. Water will be trucked over the access road by oilfield water trucks.

C. No water well is planned.

6. Source of Construction Materials

A., B., C., D.

No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from local gravel pit in the Cisco area. No special access other than for the drilling operation is needed.

7. Methods for Handling Waste Disposal

- (1) Drill cuttings will be buried in the reserve pit when covered.
- (2) Drilling fluids will be contained in steel mud pits and the reserve pit. These fluids will be disposed of in the reserve pit.
- (3) Any hydrocarbon liquids produced while drill stem testing or production testing will be collected in a test tank set near the pipe baskets or near the wellhead. Any unavoidable spills of oil or other adverse substances or materials will be covered or removed immediately during drilling progress or during completion operations.
- (4) Chemical toilet facilities will be provided for human waste.
- (5) Garbage and trash will be collected in a trash cage and its contents hauled to the nearest designated landfill.
- (6) The entire site will be cleaned up and restored to a smooth contour when the rig moves out. Only that part of the location required for production will be used.

8. Ancillary Facilities

No air strips, camps or other living facilities will be built off the location. The normal trailers will be on the location as seen on Exhibit "H".

9. Well Site Layout

- (1) Exhibit "G" is the drill pad layout. Topsoil will be stockpiled to specifications determined at the pre-drill inspection.
- (2) (3) The mud tanks, reserve pit, trash cage, pipe racks, living facilities, and soil material stockpiled, rig orientation, parking areas and access road are all shown on Exhibit "H".
- (4) The reserve pits will not be lined. Steel mud tanks will be used, and are shown on Exhibit "H". If water is produced in production, an NTL-2b study will be initiated.

10. Plans for Restoration

- (1) Backfilling, leveling, and recontouring will be accomplished as soon as possible after plugging of the well, and on those unused areas if production is obtained. Waste disposal and spoils materials will be buried or hauled away.
- (2) Rehabilitation will be accomplished by recontouring as best practical back to blend with original contours. The stockpiled topsoil will be spread, along with ripping of the pad and road area (if so desired by surface owner). Revegetation will be accomplished using grasses chosen by B.L.M.

- (3) Three sides of the reserve pit will be fenced prior to drilling operations. Upon rig release, the reserve pit will be fenced on the fourth side and will remain until recontouring and cleanup operations are completed.
- (4) Any oil spills will be immediately reported, cleaned up, or flagged.
- (5) Rehabilitation operations will commence as soon as practical after rig moves off location. Earth work and seeding will be done during Fall of 1985 if possible.

11. Other Information

As indicated on Exhibit "F", the topography of the location vicinity has very little relief. The location lies on a gentle plain which slopes Southeasterly 1-2%. This location lies Northwesterly of the existing Agate Oil Field.

The soil is a light tan to grey shallow soil, typical of Mancos formation.

The vegetation in the immediate area surrounding the location is sagebrush, Matt saltbush, shadscale, prickly pear cactus, Russian thistle, greasewood, and cheatgrass.

The fauna of the area consists of cattle, sheep, antelope, rabbits, lizards, ravens, meadow lark, killdeer, ground sparrows and martens.

The surface ownership is B.L.M. The surface use is grazing, petroleum production, and recreation.

The nearest live water is Cisco Springs, 10 air miles Westerly of the location.

The nearest occupied dwelling is in Cisco, Utah, 2 road miles Southwesterly of the location, as shown on Exhibit "E".

There are no visible archaeological, historical, or cultural sites within any reasonable proximity to the proposed location site.

There are no reported restrictions or reservations noted on the oil and gas lease.

12. Lessee's or Operator's Representative

Walter D. Broadhead
1645 North 7th. St.
Grand Junction, Co...81501
Telephone (303) 242-7717

13. Certification

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 my contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

4-15-85

Date

Walter D. Broadhead

Name and Title

Exhibit "G"
Drill Pad Layout
Grand County, Utah

TOPSOIL

STOCKPILE

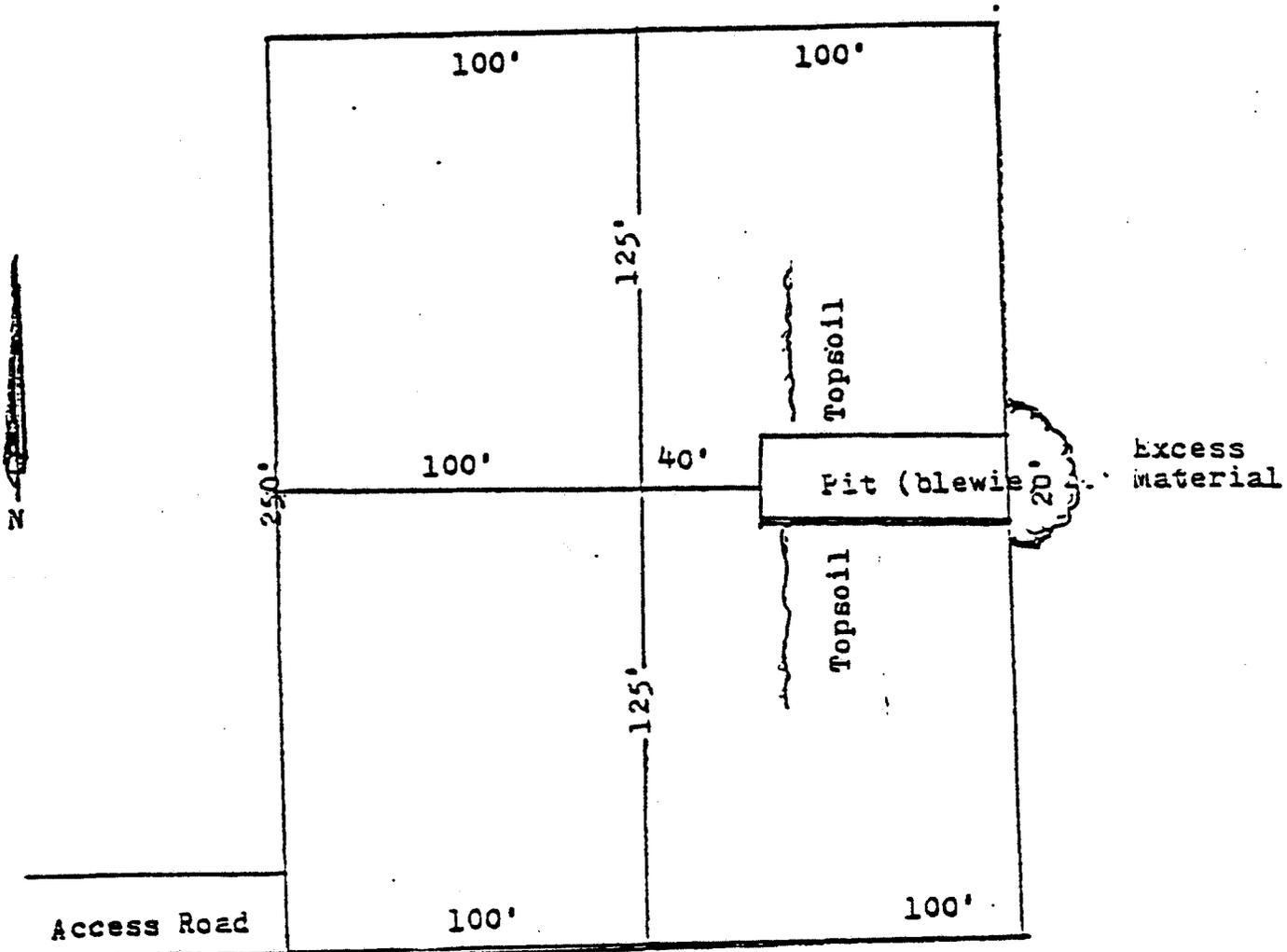


Exhibit "H"
Drill Rig Layout

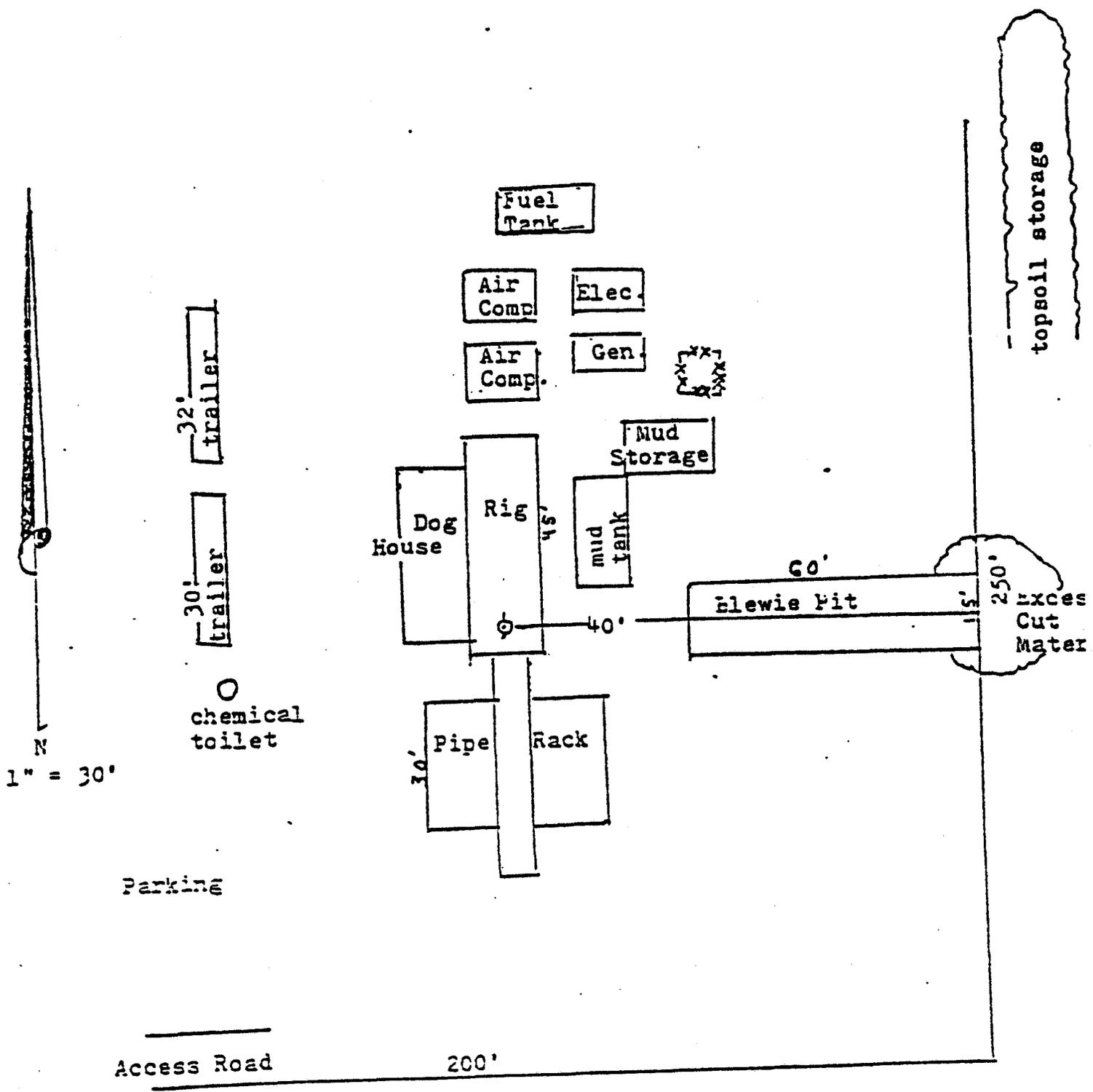
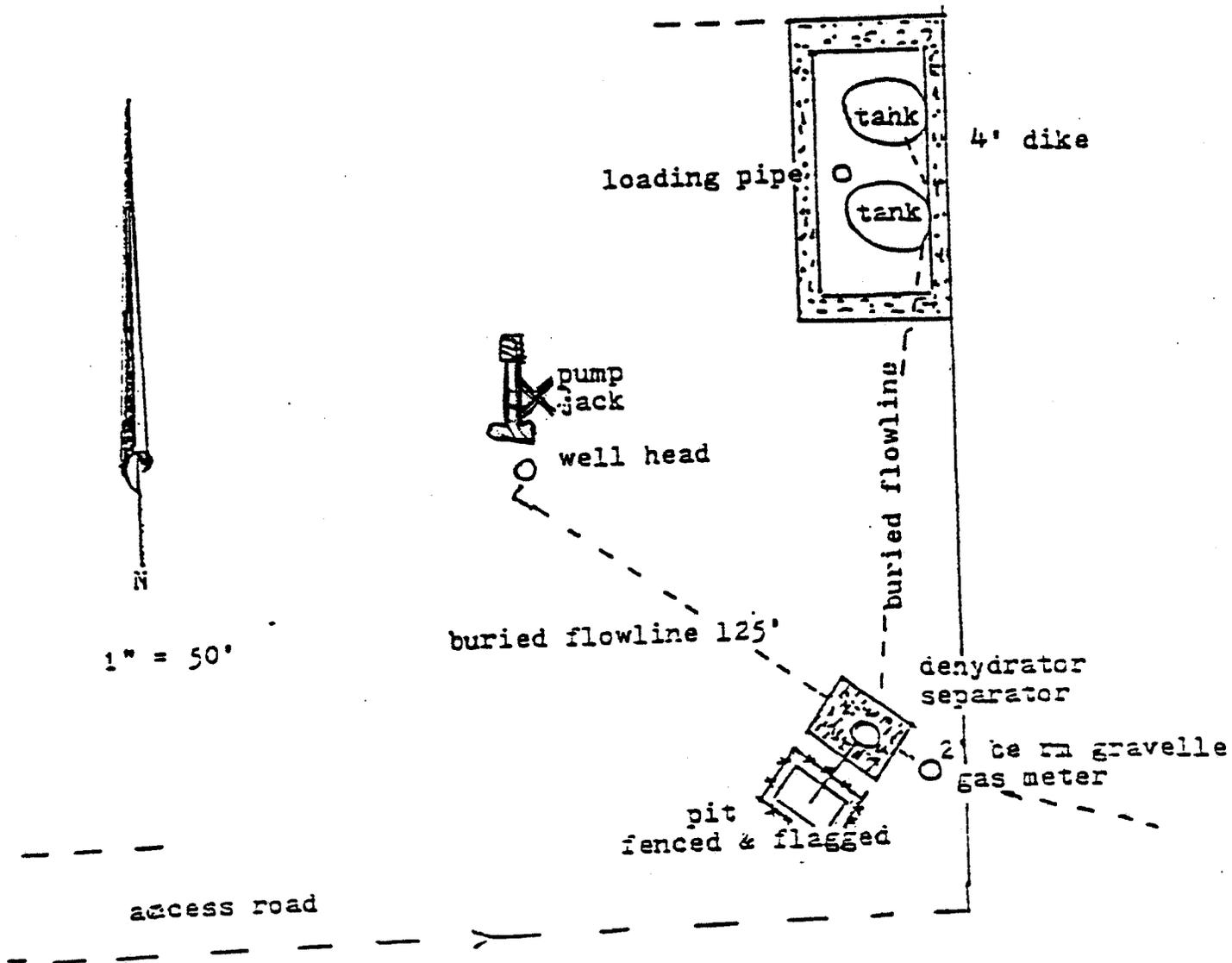


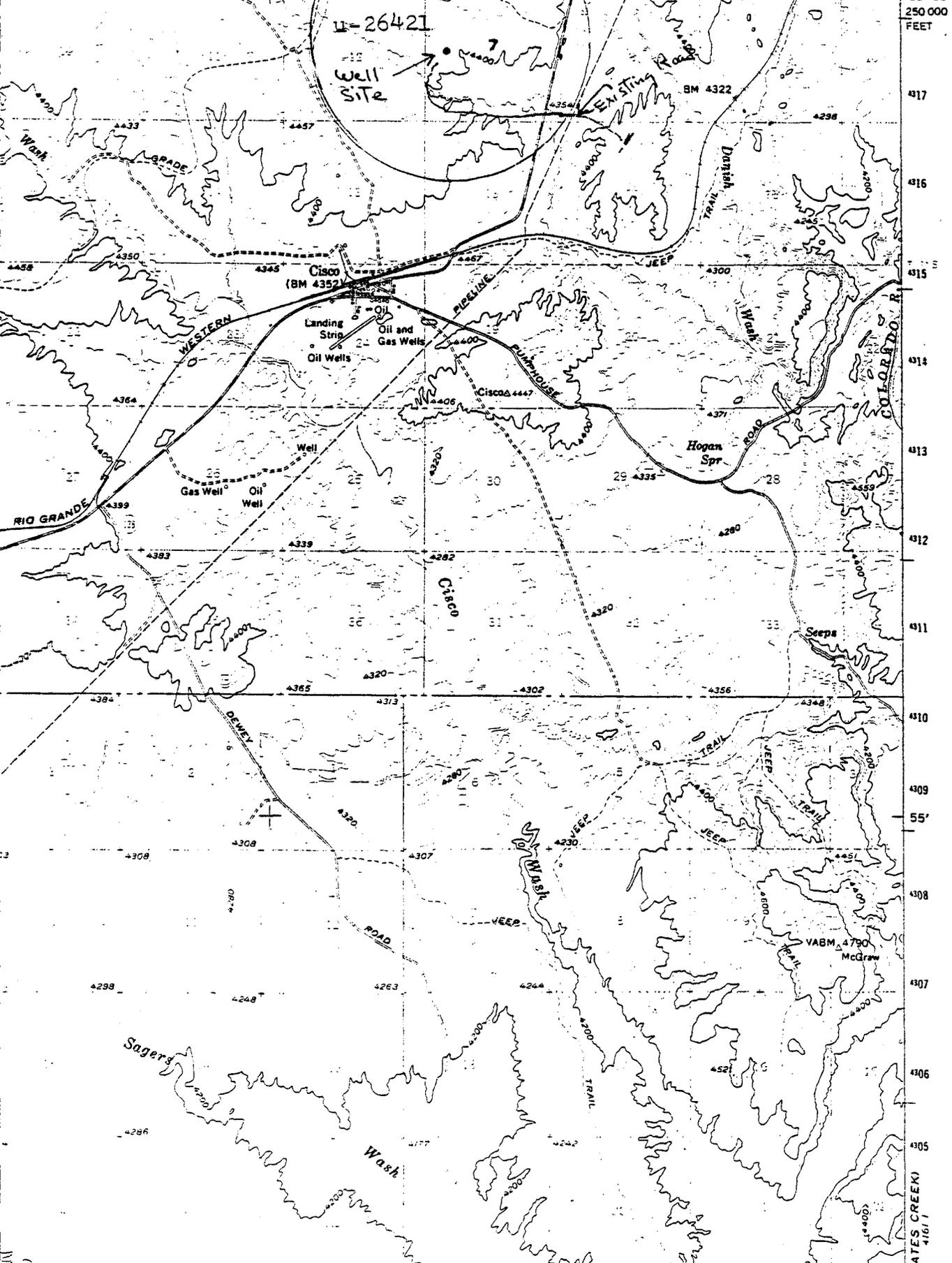
Exhibit "I"
Production Facilities



TES
MISSION

CISCO QUADRANGLE
UTAH-GRAND CO.
15 MINUTE SERIES (TOPOGRAPHIC)

442 443 444 20' 445 446 448 12 630 000 FEET 24 E 551 109° 15' 39' 00" 250 000 FEET



417
416
415
414
413
412
411
410
409
55'
408
407
406
405
DATES CREEK
4161'

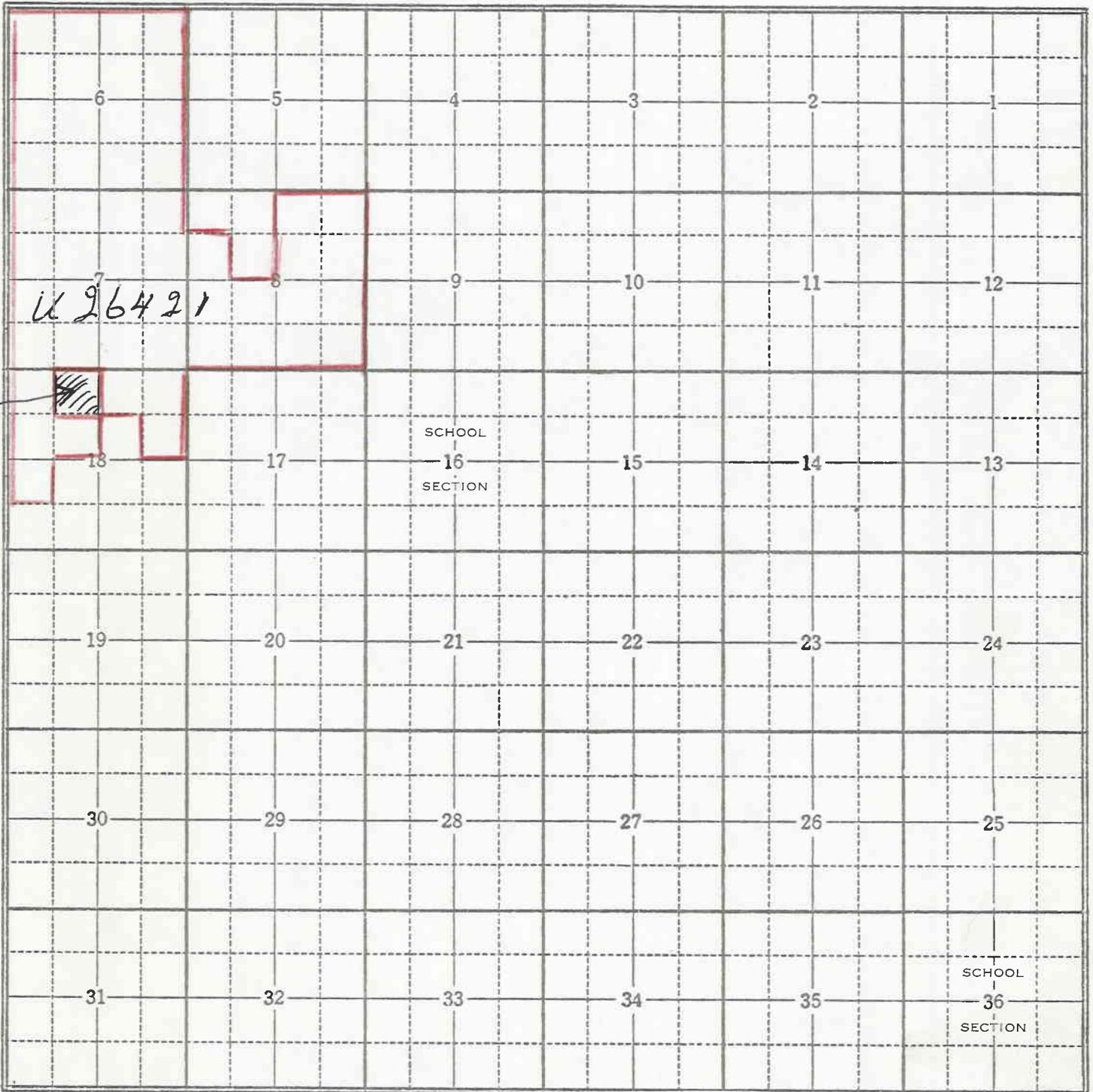
Date of Plat. 4-15-85

Grand County,

Township 21 S

Range 24 E

No. 912.—Bradford Publishing Co., 1824-46 Stout Street, Denver, Colorado—10-78



Broadhead Lease U-26421
we have a Bond on This Lease

SCALE.
32 chains to one-half inch.

OPERATOR Walter D. Broadhead DATE 4-23-85

WELL NAME Broadhead Fed. 7-5

SEC ^{Lot 2} SW NW 7 T 21S R 24E COUNTY Grand

43-019-31186
API NUMBER

Fed
TYPE OF LEASE

CHECK OFF:

- PLAT
- BOND
- NEAREST WELL
- LEASE
- FIELD
- POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other wells within 1320' gas / 400' oil
Water & - 01-215 (T60451.)

APPROVAL LETTER:

SPACING: A-3 _____ UNIT C-3-a 102-16(B) 11/15/79
 CAUSE NO. & DATE

C-3-b C-3-c

STIPULATIONS:



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

April 25, 1985

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

Gentlemen:

Re: Well No. Broadhead Federal 7-5 - Lot 2 SW NW Sec. 7, T. 21S, R. 24E
1644' FNL, 801' FWL - Grand County, Utah

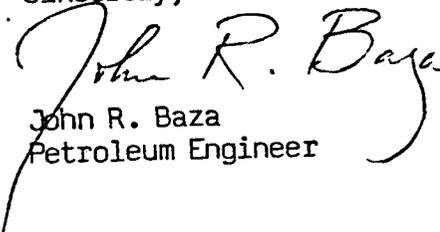
Approval to drill the above referenced oil/gas well is hereby granted in accordance with the Order of Cause No. 102-16B dated November 15, 1979.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.
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 43-019-31186.

Sincerely,


John R. Baza
Petroleum Engineer

as
Enclosures
cc: Branch of Fluid Minerals

Rec'd MDO APR 15 1985

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL MAY 06 1985 DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL DIVISION OF OIL & MINING
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Walter D. Broadhead

3. ADDRESS OF OPERATOR
 1645 No 7th St Grand Jet, Co 81501

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 At proposed prod. zone T21S R24E S1B1M

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- D Multi-point requirements for APD
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- H Drill rig layout
- I Production facility layout

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 preventor program, if any.

24. SIGNED Walter D. Broadhead TITLE Operator DATE 4-15-85

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY /s/ GENE NODINE TITLE DISTRICT MANAGER DATE 02 MAY 1985

CONDITIONS OF APPROVAL, IF ANY:

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

CONDITIONS OF APPROVAL ATTACHED

BLM BC

N. 89° 56' W. (BLM)

N. 0° 07' E. (BLM)

1644'

801'

LOT 2

BLM BC

SEC. 7
T21S R24E
SLB&M



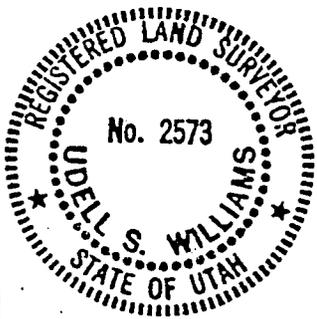
SCALE: 1" = 1000'

FEDERAL BROADHEAD #7-5

Located 1644 feet from the north line and 801 feet from the west line of section 7, T21S, R24E, SLB&M.

Elev. 4424

Grand County, Utah



SURVEYOR'S 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

Udell S. Williams



UDELL S. WILLIAMS
751 Rood Avenue
Grand Junction, Colorado 81501

PLAT OF
PROPOSED LOCATION

FEDERAL BROADHEAD #7-5
LOT 2 SECTION 7
T21S, R24E, SLB&M

SURVEYED BY: USW DATE: 4/10/85
DRAWN BY: USW DATE: 4/11/85

Walter Broadhead
Broadhead 7-5
Sec. 7, T.21S., R.24E.
Grand County, Utah
U-26421

CONDITIONS OF APPROVAL

A. Drilling Program

1. Anticipated Starting Dates and Notification of Operations:

The operator will contact the Grand Resource Area at (801)259-8193, forty-eight (48) hours prior to beginning any work on public land.

2. BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure-tested before drilling casing cement plugs.

3. Anticipated cements tops will be reported as to depth, not the expected number of sacks.

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

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

6. The spud date will be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.
7. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.
8. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.
9. If the replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.
10. Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.
11. A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.
12. No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

13. Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.
14. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:

"Fed" or "Ind", as applicable, "Well Number, location by 1/4 1/4 section, township and range, Lease Number."

B. Surface Use Plan

1. The planned access road will be roughed in just enough to allow access by the drill rig. Should the well become a producer, the existing road and new access will be constructed to the Bureau's Class III standards.
2. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.
3. The access road will be rehabilitated within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.
4. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
5. All loading lines and valves will be placed inside the berm surrounding the tank battery.
6. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
7. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
8. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

9. Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.
10. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
11. Produced waste water will be confined to a unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).
12. The top six inches of soil material will be removed from the location and stockpiled separately on the northwest edge of the pad.
13. The operator or his contractor will notify the Grand Resource Area at (801)259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
14. If the location is to be abandoned, a seed list will be provided to the operator before dirt work is to commence.
15. A cultural resource clearance will be required before any construction begins. If any cultural resource area is found during construction, all work will stop and the Area Manager will be notified.
16. This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

Your contact with the District Office is:

Bob Graff, Petroleum Engineer

Office Phone: 801-259-6111 Ext. 216

Home Phone: 801-259-6088

Gregg Noble, Petroleum Engineer

Office Phone: 801-259-6111 Ext. 229

Home Phone: 801-259-8811

Address:

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

Your contact with the Grand Resource Area Office is:

Jeff Robbins, Natural Resource Specialist

Office Phone: 801-259-8193

Home Phone: 801-259-7964

Address:

Sand Flats Road, P. O. Box M
Moab, Utah 84532

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

NAME OF COMPANY: Walter Broadhead

WELL NAME: Leona 7-5

SECTION 7 TOWNSHIP 21S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR Desert Drilling

RIG # _____

SPODDED: DATE 5.24.85

TIME _____

How _____

DRILLING WILL COMMENCE _____

REPORTED BY Walter Broadhead

TELEPHONE # _____

DATE May 25th, 1985 SIGNED R.G.F.

RECEIVED

Form 9-331
Dec. 1973

JUL 11 1985

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY DIVISION OF OIL & GAS & 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 Form 9-331-C for such proposals.)

1. oil well gas well other Dry Hole

2. NAME OF OPERATOR
Walter D. Broadhead

3. ADDRESS OF OPERATOR
1645 N. 7th St. Grand Jct. CO 81501

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
U-26421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Broadhead

9. WELL NO.
Fed. Broadhead No. 7-5

10. FIELD OR WILDCAT NAME
Greater Cisco Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 7 T21S. R24E.

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
42-013-31183

15. ELEVATIONS (SHOW DF, KDB, AND WD)

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

T.D. 1528'

Casing 8-5/8" Set 100 ft. cement to surface

Formation:

Mancus surface to 640' 10 sks

Dakota 640' to 1450' 10 sks

Entrada 1450' T.D. 1528' 10 sks

Federal approval of this action is required before commencing operations.

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

DATE: 7/12/85
BY: [Signature] Sr. Eng. Ft.

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED Walter D. Broadhead TITLE Operator DATE July 6, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE Operator DATE July 6, 1985
CONDITIONS OF APPROVAL, IF ANY:

Copy

JUL 11 1985

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator Walter Broadhead Representative /SAME/

Well No. 75 Location SW 1/4 NW 1/4 Section 7 Township 21S Range 24E

Lease No. U-26421 Field Gr Cisco State UT

Unit Name and Required Depth N/A Base of fresh water sands N/A

T.D. 1525 Size hole and Fell per sack 6 1/2" Mud Weight and Top 9.2 #/gal. FULL HOLE

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements	
				From	To Sacks Cement
<u>8 5/8</u>	<u>100'</u>	<u>surf.</u>	<u>no</u>		

Formation	Top	Base	Shows			
<u>Marcos</u>	<u>surf - 640</u>		<u>none</u>	<u>surf</u>	-	<u>10 SKS</u>
<u>Dakota</u>	<u>640 - 1450</u>		<u>none</u>	<u>590'</u>	-	<u>as req'd</u>
<u>Entrada</u>	<u>1450 - TD</u>		<u>water</u>	<u>1430'</u>	-	<u>as req'd</u>

REMARKS

DST's, lost circulation zones, water zones, etc., 1 1/2" water

(a) 1470' -> down (Entrada)

Approved by Greg J Noble Date 6/3/85 Time 8:30 a.m.

Oper. w/ cond. of app.

Well file
MER



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

April 4, 1986

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

Gentlemen:

Re: Well No. Broadhead Federal #7-5 - Sec. 7, T. 21S, R. 24E
Grand County, Utah - API #43-019-31186

A records review indicates that no required reports for the referenced well have been filed since July 1985. Monthly drilling reports must be submitted to account for the time between spudding and well completion

Rule 312 of the Oil and Gas Conservation General Rules requires that Form DOGM-3 "Well Completion or Recompletion Report and Log" or copy of the equivalent federal form, along with copies of logs and tests run, be filed with this office not later than 90 days after termination of drilling or well completion.

Please submit the required drilling reports and Well Completion Report, including copies of logs and tests which may have been run on the referenced well, not later than April 27, 1986. Address the required response to:

Utah Division of Oil, Gas and Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
Records Manager

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

0385S/11

Aprnd -
24th

6/25

FEDERAL

#7-5

Desert Ariz

7 setting surface

Walter
Broadhead

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5

5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Walter D. Broadhead

3. ADDRESS OF OPERATOR
1645 No. 7th St. Grand Junction, CO 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1644 FNL and 801 FWL of Sec. 7 T21S. R24E.
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-019-31186 DATE ISSUED 4-25-85

5. LEASE DESIGNATION AND SERIAL NO.
U-26421

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Broadhead

9. WELL NO.
Fed. Broadhead #7-5

10. FIELD AND POOL OR WILDCAT
Greater Cisco Area

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 7 T21S. R24E.

12. COUNTY OR PARISH Grand STATE Utah

15. DATE SPUDDED 5-31-85 16. DATE T.D. REACHED 6-10-85 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RES, RT, GR, ETC.)* 4424' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 1528 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY Rotary ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction 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"		100'	10-1/2"	Circulated to surface	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKER 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.) TEST WITNESSED BY:

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Walter D. Broadhead TITLE Operator DATE 6-18-86

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

PHOTO REPRODUCTION

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other Dry Hole

2. NAME OF OPERATOR
Walter D. Broadhead

3. ADDRESS OF OPERATOR 81505
1645 North 7th St. Grand Jct. CO

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*

(other) _____

SUBSEQUENT REPORT OF:

-
-
-
-
-
-
-
-

5. LEASE U-26421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Broadhead

9. WELL NO.
Fed. Broadhead No. 7-5

10. FIELD OR WILDCAT NAME
Greater Cisco Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 7 T21S. R24E.

12. COUNTY OR PARISH Grand 13. STATE Utah

14. API NO.
43-019-31186

15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

T.D. 1523'

Casing: 8-5/8" Set 100 ft. cement to surface

Formation:

Mancus surface to 640' 10 sks
Dakota 640' to 1450' 10 sks
Entrada 1450' to T.D. 1528' 10 sks

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Walter D. Broadhead TITLE Operator DATE July 6, 1985

(This space for Federal or State office use)

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



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

July 3, 1986

RETURN RECEIPT REQUESTED
P 402 458 672

2nd NOTICE

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

Gentlemen:

Re: Well No. Broadhead Federal #7-5 - Sec. 7, T. 21S, R. 24E
Grand County, Utah - API #43-019-31186

A records review indicates that no required reports for the referenced well have been filed since July 1985. Monthly drilling reports must be submitted to account for the time between spudding and well completion.

Rule 312 of the Oil and Gas Conservation General Rules requires that Form DOGM-3 "Well Completion or Recompletion Report and Log" or copy of the equivalent federal form, along with copies of logs and tests run, be filed with this office not later than 90 days after termination of drilling or well completion.

Please submit the required drilling reports and Well Completion Report, including copies of logs and tests which may have been run on the referenced well, not later than July 25, 1986. Address the required response to:

Utah Division of Oil, Gas and Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
Records Manager

ta

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

0385S/11



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

VICKY, PLEASE PLACE THIS WELL BACK
ON THE T.A.D. UNTIL WALTER
RESPONDS.

TNX,

June 5, 1987

Norm
10-5-87

2nd Notice
8-24-87

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

ddl

Gentlemen:

Re: Well No. Broadhead Federal #7-5 - Sec. 7, T. 21S., R. 24E.
Grand County, Utah - API #43-019-31186

An on site inspection of the referenced well (copy enclosed) indicates that the status is not P&A as I had understood through our telephone conversation in April of this year. Please notify this office when plugging has been completed, and in the meantime please provide the completion report which has been requested April 4, 1986, and again July 3, 1986. Even if you feel the well was never "officially" completed, the report was due 90 days after drilling was finished.

Please call me if there will be a problem in providing the requested well completion report by July 1, 1987.

Respectfully,

Norm

Norman C. Stout
Records Manager

Enclosure

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

0448S/29

10-21-87 WALTER CAME IN THE OFFICE,
HE SAID HE WILL SEND COPY OF FED WCP,
WHICH SHOWS P&A BEFORE RIG MOVED. NO MARKER,
AND HE WANTS TO LEAVE SOME TYPE OF SURFACE
FITTING IN CASE HE WANTS TO REENTER. WELL
WAS PLUGGED BOTTOM TO TOP WITH CEMENT.

Norm



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

VICKY, PLEASE PLACE THIS WELL BACK
ON THE T.A.D. UNTIL WALTER
RESPONDS.

TNX,
M

Notice
1

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

Gentlemen:

Re: Well No. Broadhead Fe
Grand County, Utah -

VICKY,
~~UNLESS WALTER LEFT A
P&A WCR WITH YOU TODAY
WHEN HE WAS IN, THERE IS
STILL NO CHANGE.~~

An on site inspection indicates that the status telephone conversation in office when plugging has provide the completion and again July 3, 1986. "officially" completed, finished.

PLEASE USE THE WCR I
PREPARED TO CHANGE STATUS
TO "TA" AND MOVE OUT
OF DRILG.

our
S
base
1986,
ng was

Please call me if requested well complet

TNX,
M

P.S. USE THE ROUTING
SYSTEM

Recd

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

0448S/29

10-21-87 WALTER CAME IN THE OFFICE,
HE SAID HE WILL SEND COPY OF FED WCR,
WHICH SHOWS P&A BEFORE RIG MOVED. NO MARKER,
AND HE WANTS TO LEAVE SOME TYPE OF SURFACE
FITTING IN CASE HE WANTS TO REENTER. WELL
WAS PLUGGED BOTTOM TO TOP WITH CEMENT.

M



STATE OF UTAH
 NATURAL RESOURCES
 Oil, Gas & Mining

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

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

VICKY, PLEASE PLACE THIS WELL BACK
 ON THE T.A.D. UNTIL WALTER
 RESPONDS.

TNX,

June 5, 1987

Norman
 10-5-87

2ND NOTICE
 8-24-87

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

Gentlemen:

Re: Well No. Broadhead Federal #7-5 - Sec. 7, T. 21S., R. 24E.
Grand County, Utah - API #43-019-31186

An on site inspection of the referenced well (copy enclosed) indicates that the status is not P&A as I had understood through our telephone conversation in April of this year. Please notify this office when plugging has been completed, and in the meantime please provide the completion report which has been requested April 4, 1986, and again July 3, 1986. Even if you feel the well was never "officially" completed, the report was due 90 days after drilling was finished.

Please call me if there will be a problem in providing the requested well completion report by July 1, 1987.

Respectfully,

Norman C. Stout

Norman C. Stout
 Records Manager

Enclosure

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

0448S/29

10-21-87 WALTER CAME IN THE OFFICE,
 HE SAID HE WILL SEND COPY OF FED WCR,
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 AND HE WANTS TO LEAVE SOME TYPE OF SURFACE
 FITTING IN CASE HE WANTS TO REENTER. WELL
 WAS PLUGGED BOTTOM TO TOP WITH CEMENT.

Norman



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

June 5, 1987

*2nd Notice
8-24-87*

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

Gentlemen:

Re: Well No. Broadhead
Grand County, Utah

*If the report has not
been received,
stamp the 6-5-87
letter with 2nd notice
and write the current
date by the stamp.*

S., R. 24E.

An on site inspect indicates that the sta telephone conversator office when plugging t provide the completior and again July 3, 1986 "officially" completed finished.

*Put a copy in the
well file, and in
the suspense file.*

copy enclosed) stood through our se notify this meantime please ed April 4, 1986, was never after drilling was

*Shank's
Norman
6-21*

Please call me if there will be a problem in providing the requested well completion report by July 1, 1987.

Respectfully,

Norman C. Stout
Records Manager

Enclosure

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

0448S/29



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

June 5, 1987

*2nd Notice
8-24-87*

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

Gentlemen:

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Grand County, Utah - API #43-019-31186

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Respectfully,

Norman C. Stout
Records Manager

Enclosure

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

0448S/29



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

June 5, 1987

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

Gentlemen:

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Grand County, Utah - API #43-019-31186

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Please call me if there will be a problem in providing the requested well completion report by July 1, 1987.

Respectfully,

A handwritten signature in black ink, appearing to read "Norman C. Stout".

Norman C. Stout
Records Manager

Enclosure

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

0448S/29

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

SUBMIT IN DUPLICATE*
(See other instructions
on reverse side)

56 64 01

5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
WALTER D. BROADHEAD

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1644 FNL, 801 FWL (LOT 2)
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.

U-26421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ar.

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

BROADHEAD

9. WELL NO.

BROADHEAD FED 7-5

10. FIELD AND POOL, OR WILDCAT

GREATER CISCO

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

SEC 7 T21S R24E

14. PERMIT NO. 43 019 31186 DATE ISSUED 4-25-85
12. COUNTY OR PARISH GRAND 13. STATE UT

15. DATE SPUDDED 5-24-85 16. DATE T.D. REACHED 6-3-85 17. DATE COMPL. (Ready to prod.) TA 6-6-85
18. ELEVATIONS (DF, RES, RT, GR, ETC.)* 4424 GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 1528 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____
23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
NONE 25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
UNK 27. WAS WELL CORDED
NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>8 5/8</u>		<u>100 FT</u>		<u>TO SURFACE</u>	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

NONE

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	<u>N/A</u>

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
		<u>TA 6-6-85</u>					
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.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
PREPARED AS TEMPORARY WCR BY NORM-DOBEN 11-23-87
SIGNED _____ TITLE _____ DATE _____

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

INSTRUCTIONS

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

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 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 19: 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.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
MANCUS	SURFACE		
DAKOTA	640		
ENTRADA	1450		

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

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

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 PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Walter D. Broadhead

3. ADDRESS OF OPERATOR
1645 No. 7th St. Grand Junction, CO 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface **1644 FNL and 801 FWL of Sec. 7 T21S. R24E.**
At top prod. interval reported below
At total depth

RECEIVED
NOV 04 1991

DIVISION OF
OIL GAS & MINING

1a. PERMIT NO. **43-019-31186** DATE ISSUED **4-25-85**

5. LEASE DESIGNATION AND SERIAL NO.
U-26421

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Broadhead

9. WELL NO.
Fed. Broadhead #7-5

10. FIELD AND POOL OR WILDCAT
Greater Cisco Area

11. SEC., T., R., M., OR BLOCK AND SURVEY OF AREA
Sec. 7 T21S. R24E.

12. COUNTY OR PARISH
Grand 13. STATE
Utah

15. DATE SPUDDED **5-31-85** 16. DATE T.D. REACHED **6-10-85** 17. DATE COMPL. (Ready to prod.)
18. ELEVATIONS (DF, REB, BT, GR, ETC.)* **4424'** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **1528** 21. PLUG, BACK T.D., MD & TVD
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY **Rotary** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction 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 FUELLED
8-5/8"		100'	10-1/2"	Circulated to surface	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

35. LIST OF ATTACHMENTS

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

SIGNED Walter D. Broadhead TITLE Operator DATE 6-18-86

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

20101214

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 25, 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: "Seals 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 PRESSURE, AND ENCLOSURES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP
Mancus	0	640'	Grey shale			
Dakota	640'	690'	White sand			
Entrada	1450'	1528'	White sand			

38. PRODUCE INTERVALS: OF THIS COMPLETION--FOR BOTTOM HOLE (INDICATE) AND TOP HOLE (INDICATE) RECORD IN THIS SPACE THE MEASUREMENT OF THE PRODUCE INTERVAL REPORTED BELOW

DATE FIRST PRODUCTION	DATE OF TEST	TEST	PRODUCTION	PRESSURE	FLOWING	SHUT-IN	ENCLOSURE

39. LOCATION OF WELL: REPORT LOCATION OF WELL IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS

At address: 1644 EWL and 801 EWL of sec. 7 T12S. R24E

At prod. interval reported below

At well depth

At name of operator: Walter D. Broadhead

Address of operator: 1644 No. 7th St. Grand Junction, CO 81501

At name of completion: [Blank]

At type of completion: [Blank]

At type of well: [Blank]

At type of completion: [Blank]

40. PRODUCE INTERVALS: OF THIS COMPLETION--FOR BOTTOM HOLE (INDICATE) AND TOP HOLE (INDICATE) RECORD IN THIS SPACE THE MEASUREMENT OF THE PRODUCE INTERVAL REPORTED BELOW

DATE FIRST PRODUCTION	DATE OF TEST	TEST	PRODUCTION	PRESSURE	FLOWING	SHUT-IN	ENCLOSURE