

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
 North 3223' FSL & East 532' FWL of S.4 T20S R24E
 At proposed prod. zone

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
 (Also to nearest drlg. unit line, if any) 532'

16. NO. OF ACRES IN LEASE
 804 acres

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH
 1800'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4601

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 5/8	7"	17 lb.	100'	cir. cement to surf.
6 1/4"	4 1/2"	9 1/2 lb.	TD	100 SX cement

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

RECEIVED
 FEB 25 1983

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 Walter D Broadhead TITLE Operator DATE 2-22-83

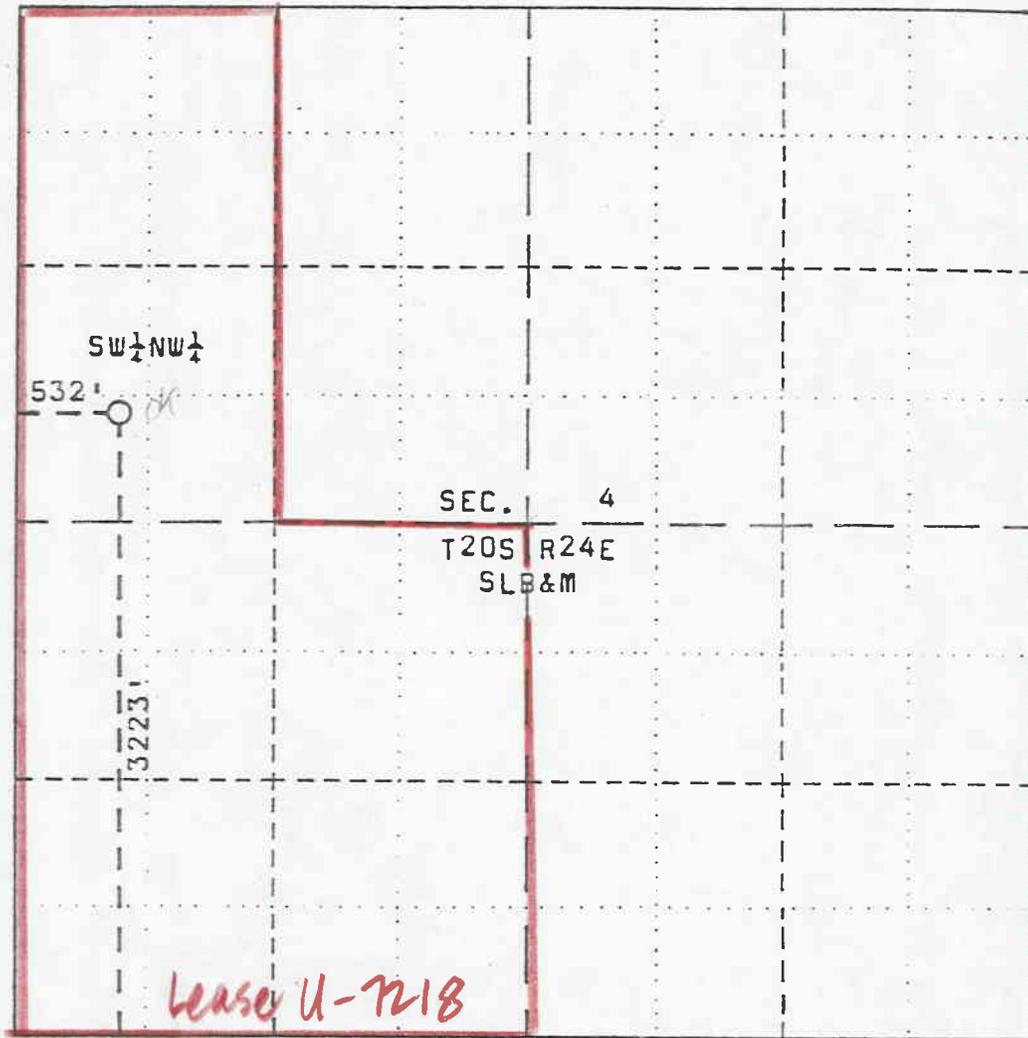
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

**APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING**
 DATE: 3-8-83
 BY: [Signature]



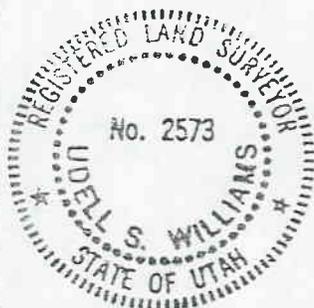
SCALE: 1" = 1000'

FEDERAL LANSDALE #5

Located North 3223 feet from the South boundary and East 532 feet from the West boundary of Section 4, T20S, R24E, SLB&M.

Elev. 4601

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
UTAH R.L.S. NO. 2573



UDELL S. WILLIAMS
751 Rood Avenue
GRAND JUNCTION, COLORADO 81501

PLAT OF
PROPOSED LOCATION

FEDERAL LANSDALE #5
SW 1/4 NW 1/4 SECTION 4
T20S, R24E, SLB&M

SURVEYED BY: USW DATE: 1/21/83
DRAWN BY: USW DATE: 1/21/83

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 1000; from 1800 to TD samples at 5' intervals.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

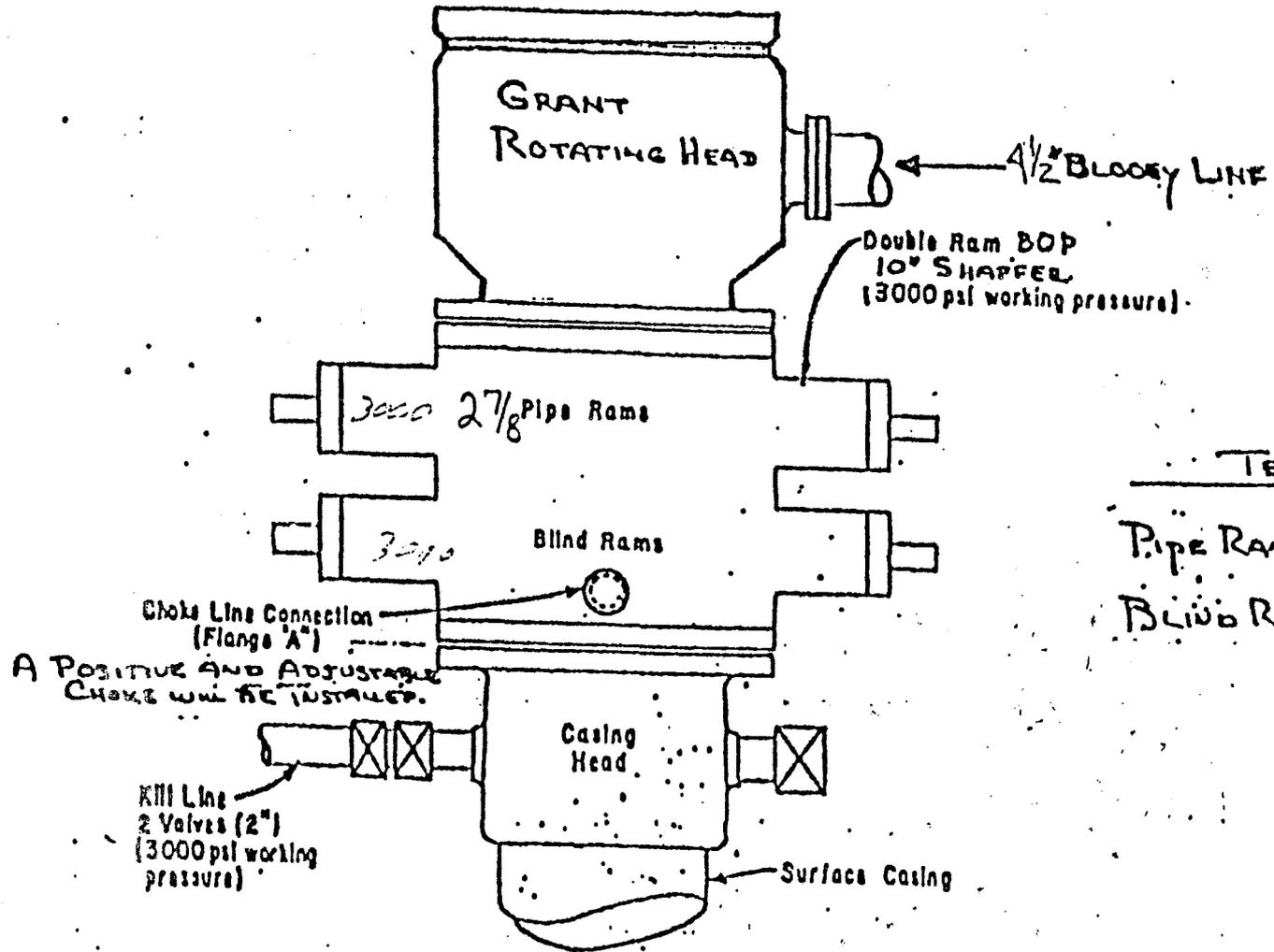
No abnormal gas pressures or temperatures are expected. No hydrogen sulfide or other hazardous gasses or fluids have been reported in the area.

10. Anticipated Starting Date and Duration of Operations

The anticipated starting date is March 10, , 1983 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 APD

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 8 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) No culverts are necessary.
- (5) Surface material will be that native to the area.
- (6) No gates or cattleguards are required.
- (7) 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 Cisco Springs, 11 road miles Westerly of the location.
- 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 spring of 1983, 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, 8 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.

Date

Name and Title

Exhibit "A"

Existing Road 
New Road 

DANISH FLAT QUADRANGLE
UTAH-GRAND CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

647 17'30" 648 12 630 000 FEET 650 651 109° 15' 39" 0

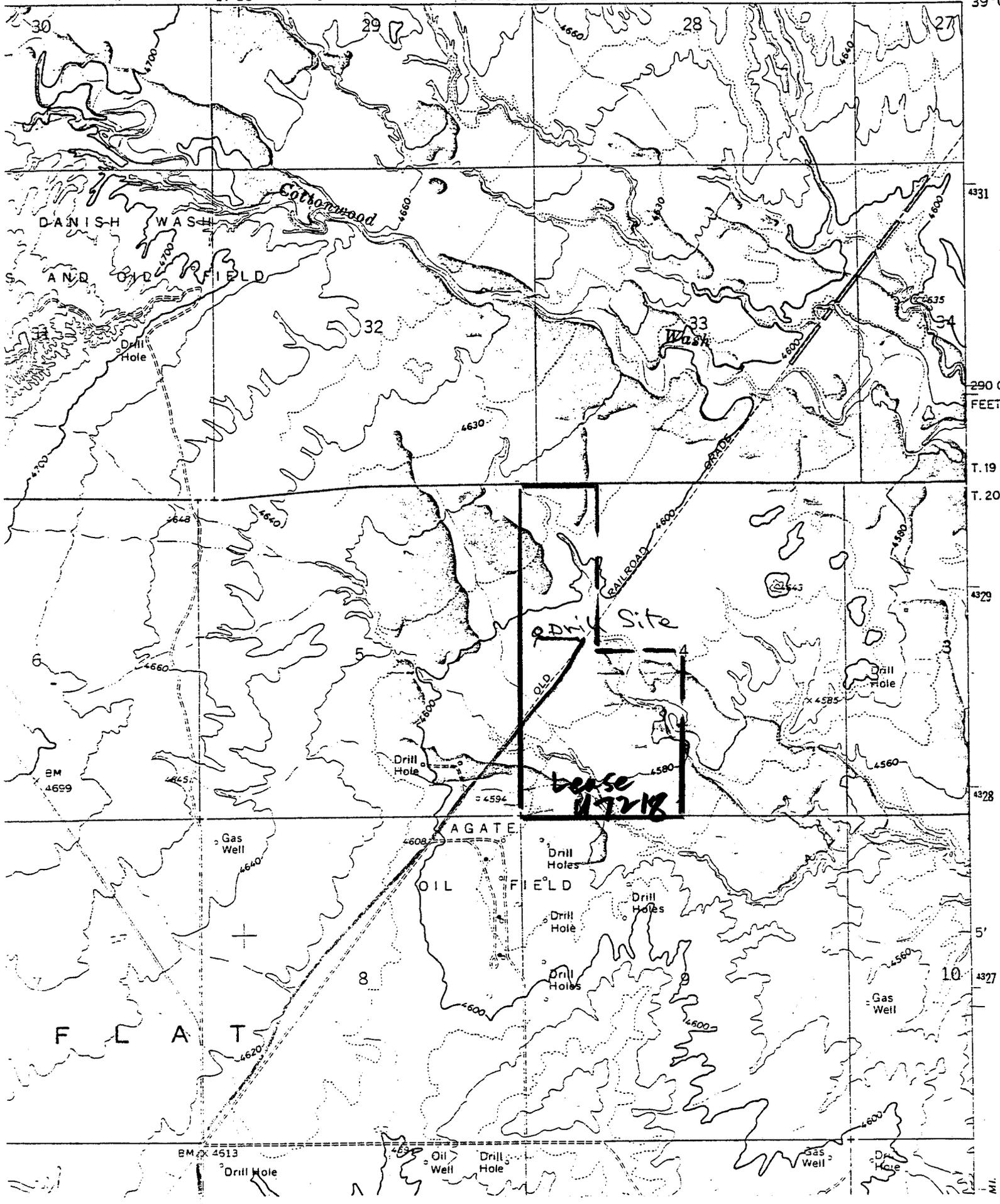


Exhibit "G"
Drill Pad Layout
Grand County, Utah

TOPSOIL

STOCKPILE

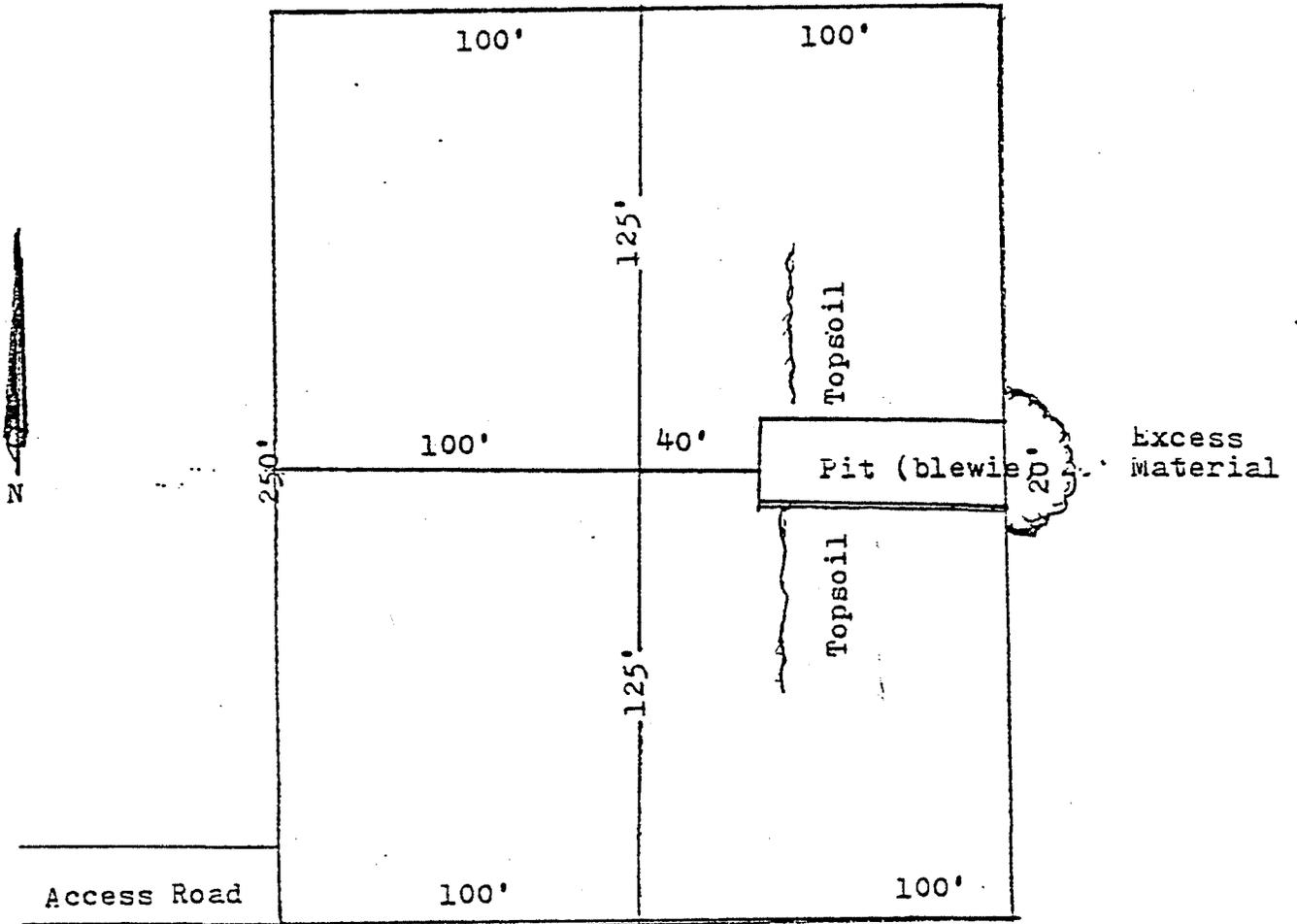


Exhibit "H"
Drill Rig Layout

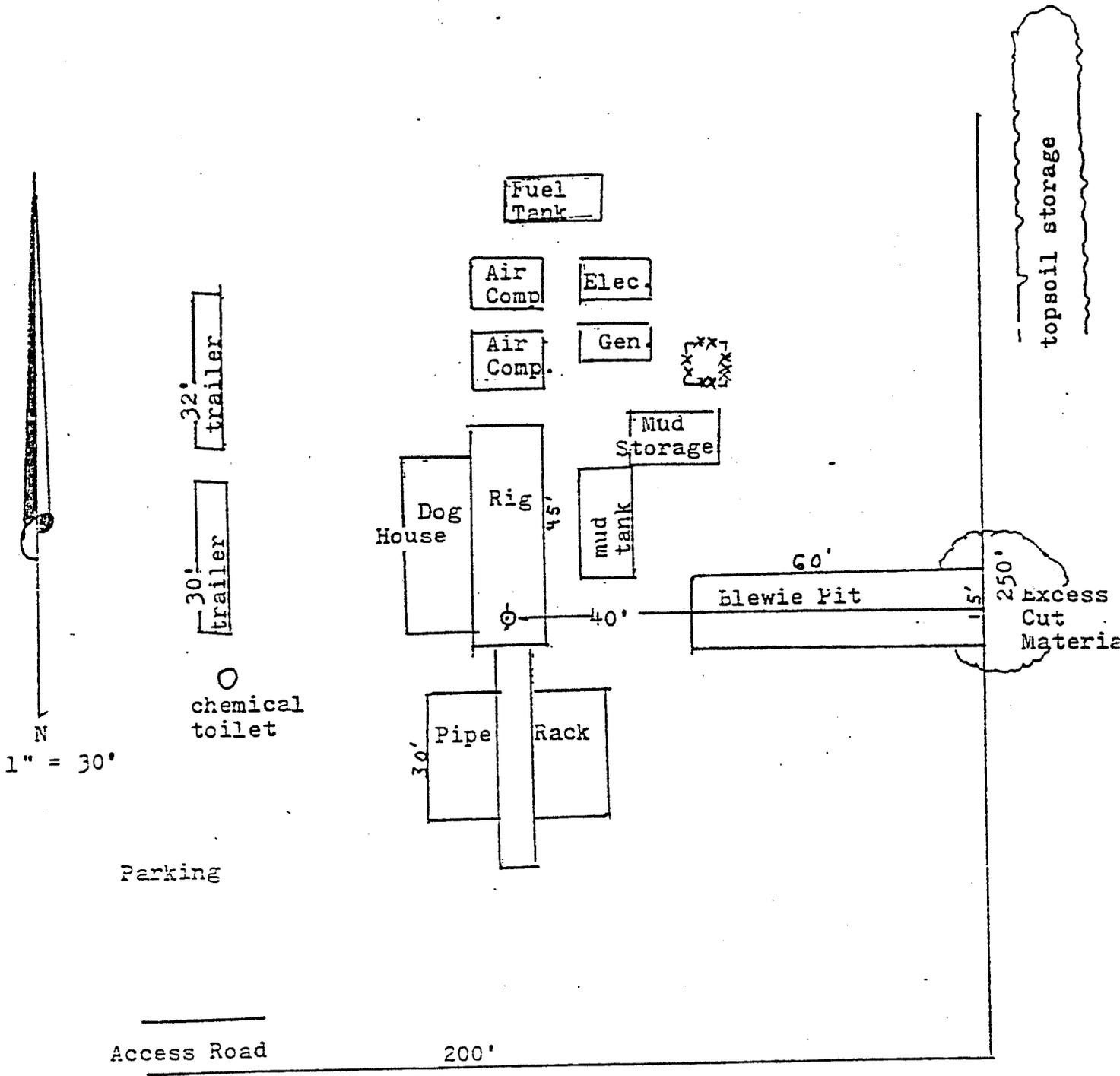
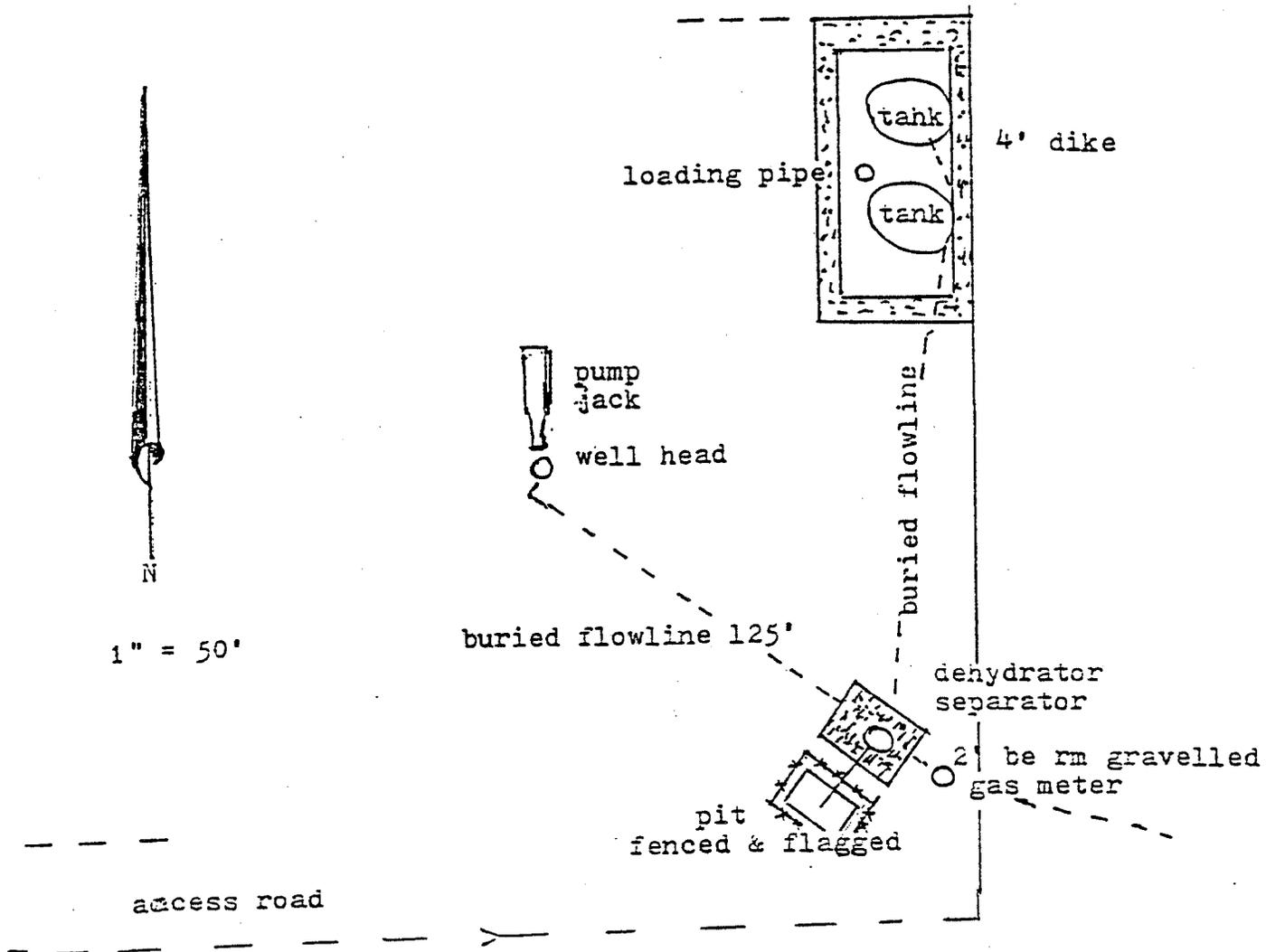


Exhibit "I"
Production facilities



Walter D. Broadhead
Well No. 5
Section 4-T20S-R24E
Grand County, Utah
Lease No. U-7218

Supplemental Stipulations:

1. New road construction on lease U-7120 will be limited to an allowable travel surface width of 16 feet, with a total disturbed width of 24 feet. For construction design and survey refer to Class III road standards. Roads will be crowned and ditched to ensure adequate drainage off of the road. Access road will be in the southwest corner of the location.
2. If production is established, the road will be graveled in places to allow safe travel.
3. Whatever topsoil is removed to level the location will be windrowed to the North. Surface disturbance will be kept to a minimum.
4. A berm will be constructed around the location to control surface runoff from surrounding areas and to contain any fluids on the location.
5. The reserve pit will be fenced, with 36 inch woven wire and one strand of barbed wire on top, on 3 sides before drilling starts and on the 4th side as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.
6. Any burning will require a permit from the State Land Forestry and Fire Control office in Moab. Contact Paul Pratt at 801-259-6316.
7. The blooie line will be misted to reduce visual impacts.
8. All above ground production facilities will be painted using the attached list of suggested colors. Production facilities will be located on the southeast side of the location.
9. The Grand Resource Area BLM office will be contacted 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
10. Seed will be broadcast at a time to be specified by the BLM with the enclosed seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover. Seeding will be done in the fall of the year (Oct-Nov).
11. All disturbed areas will be scarified with the contour to a depth of 6 inches. Do not smooth pads out, leave a roughened surface.

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

(1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

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

(3) All disturbed areas not required for operations will be rehabilitated.

(4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.

(5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.

(6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.

(7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.

(8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.

(9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.

(10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.

(11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.

(12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the BookCliffs:

Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

BookCliffs Region:

Sage Gray	(Pratt & Lambert)
-----------	-------------------

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

SEED MIXTURE

Species

Grasses

		<u>lbs./acre</u>
Hilaria jamesii	Galleta (Curlygrass)	1
Oryzopsis hymenoides	Indian ricegrass	1
Sporobolus airoides	Alkali sacaton	1

Forbs

Eriogonum spp.	Erioginum	0.5
Mililotus officinalis	Yellow sweetclover	0.5

Shrubs

Atriplex corrugata	Mat saltbush (Castle Valley clover)	1
Eurotia lanata	Winterfat (Whitesage)	<u>1</u>
TOTAL POUNDS PER ACRE		6

Broadcast seed will be applied at double the above rate.

Reclamation Procedures and Additions
to Multipoint Plan

1. New road construction on lease U-7120 will be limited to an allowable travel surface width of 16 feet. The total disturbed width will be 24 feet. For construction design and survey refer to Class III road standards. Roads should be crowned and ditched to ensure adequate drainage off of the road.
2. Access road will be in the southwest corner of the location.
3. Whatever topsoil removed to level the location will be windrowed to the North. Surface disturbance will be kept to a minimum.
4. Construct berm around location to control surface runoff from surrounding areas and contain any fluids on the location.
5. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying. The fence will be 36 inch woven wire with a single strand of barbed wire on top.
6. All above-ground production facilities will be painted using the attached suggested colors.
7. Any burning will require a permit from the State Land Forestry and Fire Control office in Moab. Contact Paul Pratt at (810) 259-6316.
8. Production facilities will be located on the southeast side of the location.
9. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801) 259-8193, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
10. Seed will be broadcast at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover. Seeding will be done in the fall of the year (Oct.-Nov).
11. All disturbed areas will be scarified with the contour to a depth of 6 inches. Do not smooth pads out, leave a roughened surface.

OPERATOR Walter D. Broadhead DATE 2/25/83

WELL NAME Sec Lonsdale #5

SEC SWNW 4 T 205 R 24E COUNTY Grand

43-019-31045
API NUMBER

Sec.
TYPE OF LEASE

POSTING CHECK OFF:

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

PROCESSING COMMENTS: No oil or gas wells within 1320'

BJP

APPROVAL LETTER:

SPACING: A-3 _____ UNIT c-3-a 102-16B 9-26-79
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

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

February 28, 1983

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

Dear Mr. Broadhead:

In order to process your requests for permit to drill the Federal Keas #6 and Federal Lansdale #5 wells, you must complete the applications by submitting lease plats (outline of lease boundaries) as required by the Order in Cause #102-16B dated September 26, 1979.

If you have any questions, please call me at (801) 533-5771 ext. 60.

Respectfully,

A handwritten signature in black ink, appearing to read 'Norm Stout', written over a horizontal line.

Norm Stout
Administrative Assistant

NS/as

cc: Oil & Gas Operations

CONFIRMING COMPLETION TICKET

COMPANY REMARKS

WRS COMPLETION REPORT

PI# 43-T-0016 10/20/83

SEC 4 TWP 20S RGE 24E PAGE 1

UTAH GRAND 3223 FSL 522 FWL SW SW NW D D
STATE COUNTY FOOTAGE INIT FIN

BROADHEAD WALTER D 5 FEDERAL LANSDALE
OPERATOR LEASE NAME

4601GR CISCO GREATR AREA
OPER. ELEV. FIELD/POOL/AREA

API 43-019-31045-0000
PERMIT OR WELL I.D. NO.

04/22/1983 04/29/1983 ROTARY D&A
SPUD DATE COMP. DATE TYPE TOOL STATUS

1800 RICHARDSON DR LG
PROJ. DEPTH PROJ. FORM CONTRACTOR

DTD 1820 FM/TD MORRISON
DRILLER'S T.D. LOG T.D. PLUG BACK T.D. OLD T.D. FORM./T.D.

CASING/LINER DATA

CSG 7 @ 102 01

WELL IDENTIFICATION/CHANGES

WHCS CODE # 43S020E02404140383

TYPE	FORMATION	DEPTH	FORMATION	DEPTH	FORMATION	DEPTH
SPL	DAKOTA	1312	MORRISON	1580		

DRILLING PROGRESS DETAILS

BROADHEAD WALTER D
1645 N 7TH ST
GRAND JUNCTION, CO
PI BASE MAP UB-11A POMCO MAP U-54
03/09 LOC/1983/
03/09 TITE HOLE
10/11 1820 TD
10/15 COMP 4/29/83, D&A
HOLDING FOR DATA
NO LOGS RUN
NO CORES OR DSTS

PI-WRS Form No. 339

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IC# 430197002183

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

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



Claudia Jones
4241 State Office
Salt Lake City Utah 84114

needs lease plat

OK
3-8-83
[Signature]

March 8, 1983

Walter D. Broadhead
1645 No. 7th Street,
Grand Junction, Colorado 81501

RE: Well No. Fed. Landdale #5
SWNW Sec. 4, T.20S, R.24E
3223' FSL, 532' FWL
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil/gas well is hereby granted in accordance with the Order issued in Cause No. 102-168 dated September 26, 1979.

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

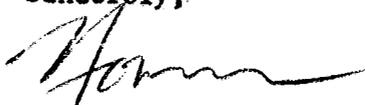
RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

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

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

The API number assigned to this well is 43-019-31045.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: Oil & Gas Operations
Enclosure

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Walter Broadhead

WELL NAME: Federal Lansdale #5

SECTION SWNW 4 TOWNSHIP 20S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR Richardson Drilling

RIG # 1

SPUDED: DATE 4-22-83

TIME 4:00 PM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Walter Broadhead

TELEPHONE # 303-242-7717

DATE 4-25-83

SIGNED AS _____

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator Walter Broadhead Representative Buddy McCune

Weil No. 5 Located SW 1/4 NW 1/4 Sec. 4 Twp 20S Range 24E

Lease No. U-7218 Field _____ State Utah

Unit Name and Required Depth NA Base of fresh water sands _____

T.D. 1820 Size hole and Fill Per Sack 6 1/2" Mud Weight and Top 9 1/2 #/gal. _____

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>7"</u>	<u>102</u>	<u>circulated</u>		<u>1054</u>	<u>@ surface w/reg marker</u>	
				<u>50</u>	<u>150</u>	<u>as needed</u>
<u>Dark silt</u>	<u>1312</u>					
<u>v sd</u>	<u>1434</u>			<u>1334</u>	<u>1534</u>	
<u>Harrison</u>	<u>1577</u>				<u>1625</u>	<u>as needed</u>
<u>Salt Wash</u>	<u>1820</u>					

Remarks

DST's, lost circulation zones, water zones, etc. 1553-1575 water zone
Fill all holes, place pits as needed, pick up all debris, rehabilitate according to approved surface use plan

Approved by WJ Mantey Date 4-29-83 Time 10:00 A.M.

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator WALTER D. BROADHEAD Representative Buddy McConnell

Well No. Lansdale #5 Location SW 1/4 NW 1/4 Section 4 Township 20S Range 24E

County Grand Field Wildcat State Utah

Unit Name and Required Depth Federal Lease #U-7218 Base of fresh water sands

T.D. 1820' Size hole and Fill per sack " Mud Weight and Top ' #/gal. '

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>7'</u>	<u>102'</u>	<u></u>	<u></u>	<u>1. 1625'</u>	<u>1334</u>	<u>As Necessary</u>
<u></u>	<u></u>	<u></u>	<u></u>	<u>2. 50'in & 50' out of surface casing</u>	<u>-(152' to 50')</u>	<u></u>
<u>Formation</u>	<u>Top</u>	<u>Base</u>	<u>Shows</u>	<u>3. 10 sacks at surface w/marker</u>	<u></u>	<u></u>
<u>Dakota Silt</u>	<u>1312'</u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
<u>Dakota-1st Sand</u>	<u>1434'</u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
<u>Morrison</u>	<u>1580'</u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
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REMARKS

DST's, lost circulation zones, water zones, etc.,

Water interval in Dakota - 1555' - 1575'

Approved by R. J. Firth Date 4-29-83 Time a.m.
p.m.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

September 15, 1983

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

Re: Well No. Federal Lansdale # 5
3223' FSL, 532' FWL
SW NW, Sec. 4, T. 20S, R. 24E.
Grand County, Utah

Well No. Lansdale Federal # 4
1720' FNL, 3516' FWL
SW NE, Sec. 29, T. 20S, R. 24E.
Grand County, Utah

Dear Mr. Broadhead:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned wells are due and have not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Well Records Specialist

CF/cf
Enclosure

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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-7218

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

A. Lansdale

9. WELL NO.

Federal Lansdale #5

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

Sec. 4, T. 20S, R. 24E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

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 North 7th St. Grand Junction, CO 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **North 3223' FSL & 532' FWL of Sec. 4, T. 20 S, R. 24 E.**
At top prod. interval reported below **SW NW**
At total depth _____

14. PERMIT NO. **43-019-31045** DATE ISSUED **Mar. 8, 1983**

15. DATE SPUDDED **4-22-83** 16. DATE T.D. REACHED **4-29-83** 17. DATE COMPL. (Ready to prod.) _____ 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* **4601 GR** 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD **1820'** 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
7"	17 lb	102	9-1/2	Circulated to surface	

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)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

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

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in) P+A					
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 3-20-84

*(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 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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS
Mancos	Surface	1432'			
Dakota	1432'	1575'			
Morrison	1575'	1820'			

38. 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	MEAS. DEPTH	TOP	TRUE VERT. DEPTH

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**

2. NAME OF OPERATOR
Walter D. Broadhead

3. ADDRESS OF OPERATOR **81501**
1645 N. 7th St. Grand Junction, CO

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
North 3223' FSL & 532' FWL
AT SURFACE: **of Sec. 4, T.20S.**
AT TOP PROD. INTERVAL: **R.24 E.**
AT TOTAL DEPTH:

5. LEASE **U-7218**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
A. Lansdale

9. WELL NO.
Federal Lansdale No. 5

10. FIELD OR WILDCAT NAME
Greater Cisco Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4, T.20S. R.24 E.

12. COUNTY OR PARISH **Grand** 13. STATE **Utah**

14. API NO.
43-019-31045

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4601 GR

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

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input checked="" type="checkbox"/>
(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.)*

Oral permission requested & approval granted

10 SX at surface with marker

100 to 150' 20 SX

1334' to 1625' 33 SX

Cleaned up location

RECEIVED

APPROVED BY THE STATE MAR 26 1984

OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 3/20/84 DIVISION OF OIL, GAS & MINING

BY: [Signature]

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 3-20-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: