

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE WATER SANDS _____ LOCATION INSPECTED Oil & Gas SUB. REPORT/abd. _____

** Location Abandoned - Application rescinded - 1-5-83*

DATE FILED 9-3-81

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-26421 INDIAN _____

DRILLING APPROVED: 10-21-81

SPUDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: LA 1-5-83

FIELD: 3/86 Greater Cisco

UNIT: _____

COUNTY: Grand

WELL NO. Federal Broadhead #2 API# 43-019-30870

LOCATION 500' FT. FROM (N) LINE, 500' FT. FROM (W) LINE. NW NW 1/4 - 1/4 SEC 6

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
21S	24E	6	WALTER D. BROADHEAD				

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 North 7th, Grand Junction, CO 81501 (303/242-7717)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 500' FNL & 500' FWL, in the NW $\frac{1}{4}$ NW $\frac{1}{4}$, of Section 6
 At proposed prod. zone
 approximately same

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

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

16. NO. OF ACRES IN LEASE
 1975.40

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.
 0.5 mile

19. PROPOSED DEPTH
 1200'

20. ROTARY OR CABLE TOOLS
 rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR 4458'

22. APPROX. DATE WORK WILL START*
 September 30, 1981

5. LEASE DESIGNATION AND SERIAL NO.
 U-26421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 Federal Broadhead No. 2

10. FIELD AND POOL, OR WILDCAT
~~wildcat~~ *Dr. Cisco Area*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec 6, T21S, R24E, SLB&M

12. COUNTY OR PARISH
 Grand

13. STATE
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 5/8"	7"	17#	100'	circulate cement to surface
6 1/4"	4 1/2"	9.5#	TD	100 sx cement

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" Ten-Point Compliance Program
- "C" Blowout Preventer Diagram
- "D" Multi-Point Requirements for APD
- "E" Route & Distance Road Map & Radius Map
- "F" Access Road & Topo Map
- "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: 10/2/81
BY: [Signature]

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.

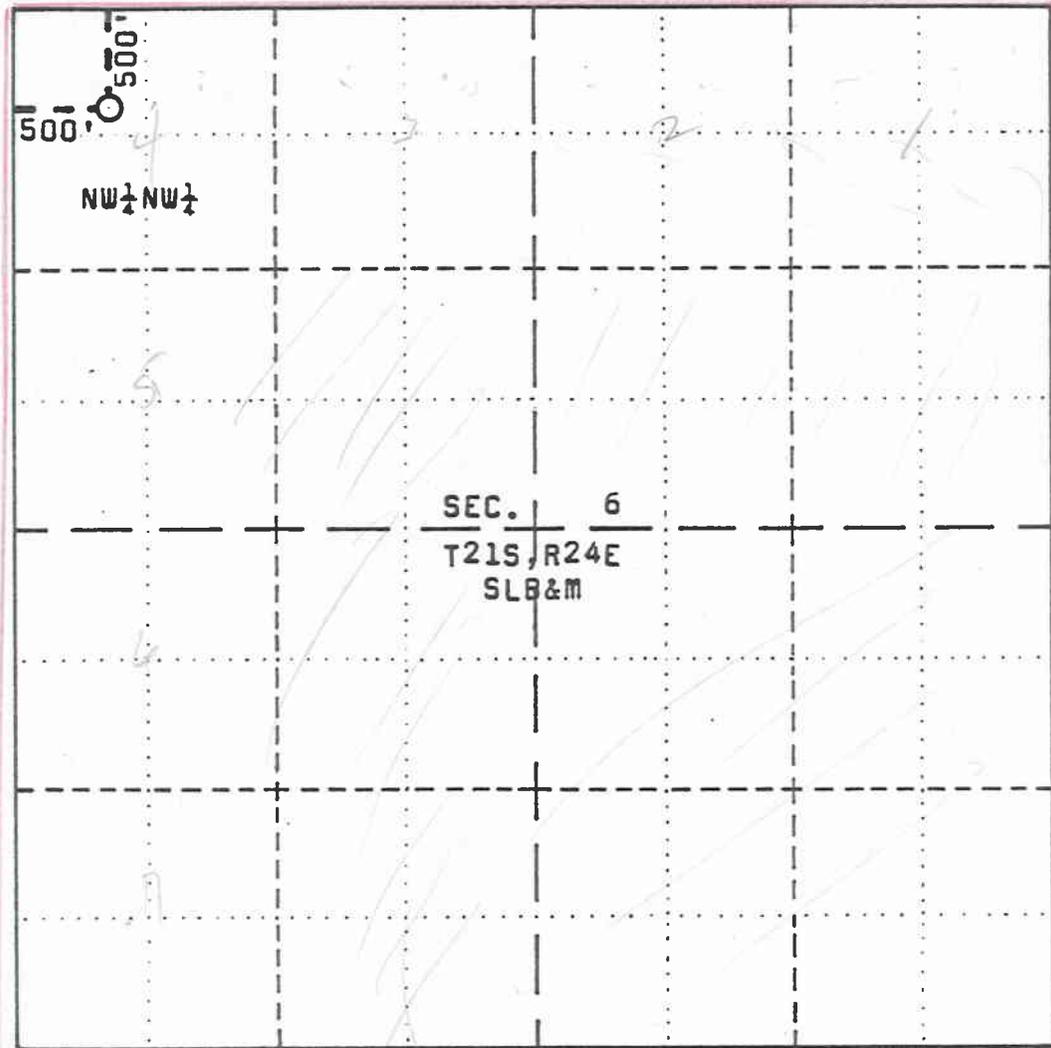
SIGNED Walter D Broadhead TITLE Operator DATE September 3, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

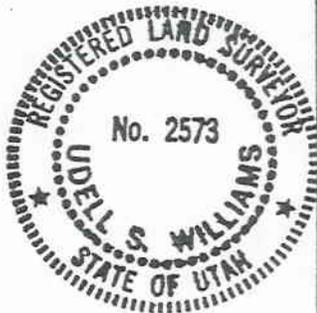


FEDERAL BROADHEAD NO. 2

Located South 500 feet from the North boundary and East 500 feet from the West boundary of Section 6, T21S, R24E, SLB&M.

Elev. 4458

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 BROADHEAD NO. 2
NW 1/4 NW 1/4 SECTION 6
T21S, R24E, SLB&M

SURVEYED BY: USW DATE: 7/13/81
DRAWN BY: USW DATE: 7/13/81

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah

SERIAL NO.: U-26421

and hereby designates

Walter D. Broadhead

1645 North 7th., Grand Junction Co. 81501

NAME:

ADDRESS:

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T21 S, R24 E, S¹/₄ Meridian

Sec. 6: Lots 1 to 7, S¹/₂ NE¹/₄, SE¹/₂, SE¹/₂NW¹/₄, E¹/₂SW¹/₄

Sec. 7: Lots 1 to 4 NE¹/₄, E¹/₂NW¹/₄, E¹/₂SE¹/₄, SW¹/₄SE¹/₄,
SE¹/₂SW¹/₂

Sec. 8: E¹/₂, SW¹/₂, SW¹/₄NW¹/₂

Sec. 18: Lots 1 to 3, N¹/₂NE¹/₄, SE¹/₄NE¹/₄, SE¹/₄NW¹/₄

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

x Joe Anne Reed
(Signature of lessee)

x March 13, 1981
(Date)

(Address)

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM OF NTL-6

APPROVAL OF OPERATIONS

WALTER D. BROADHEAD
Federal Broadhead No. 2
NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec 6, T21S, R24E, SLB&M
Grand County, Utah

1. Geologic Surface Formation

The surface formation is Mancos.

2. Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Brush Creek	1000

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

<u>Formation</u>	<u>Depth</u>	<u>Fluids</u>
Brush Creek	1050	Gas and/or Oil and/or Water

4. Proposed Casing Program

Surface Casing:

- (a) Drill 8 5/8" hole to 100' and set 7" 17-lb. cemented to surface.
- (b) Drill 6 1/4" hole to 1200' and set 4 1/2" 9.5-lb. with 100 sx cement.

5. Operator's Minimum Specifications for Pressure Control

Exhibit "C" is a schematic diagram of the blowout preventer equipment planned for use in this well. The BOP's will be hydraulically tested to 1000 psi after nipping up and after any use under pressure. Pipe rams will be operationally checked each trip. All tests will be recorded in the daily drilling report. Accessories to BOP's include Kelly Cock, safety valve, drill string BOP and choke with pressure rating equivalent to the BOP stack.

6. Type of Characteristics of Proposed Muds

The well will be drilled with air and air mist until water is encountered, then it will be completed with mud. One hundred barrels of 8.5 to 9-lb. mud will be mixed up for use in drilling or in the event it is needed to kill well or logging operations.

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 900'; from 900' 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.

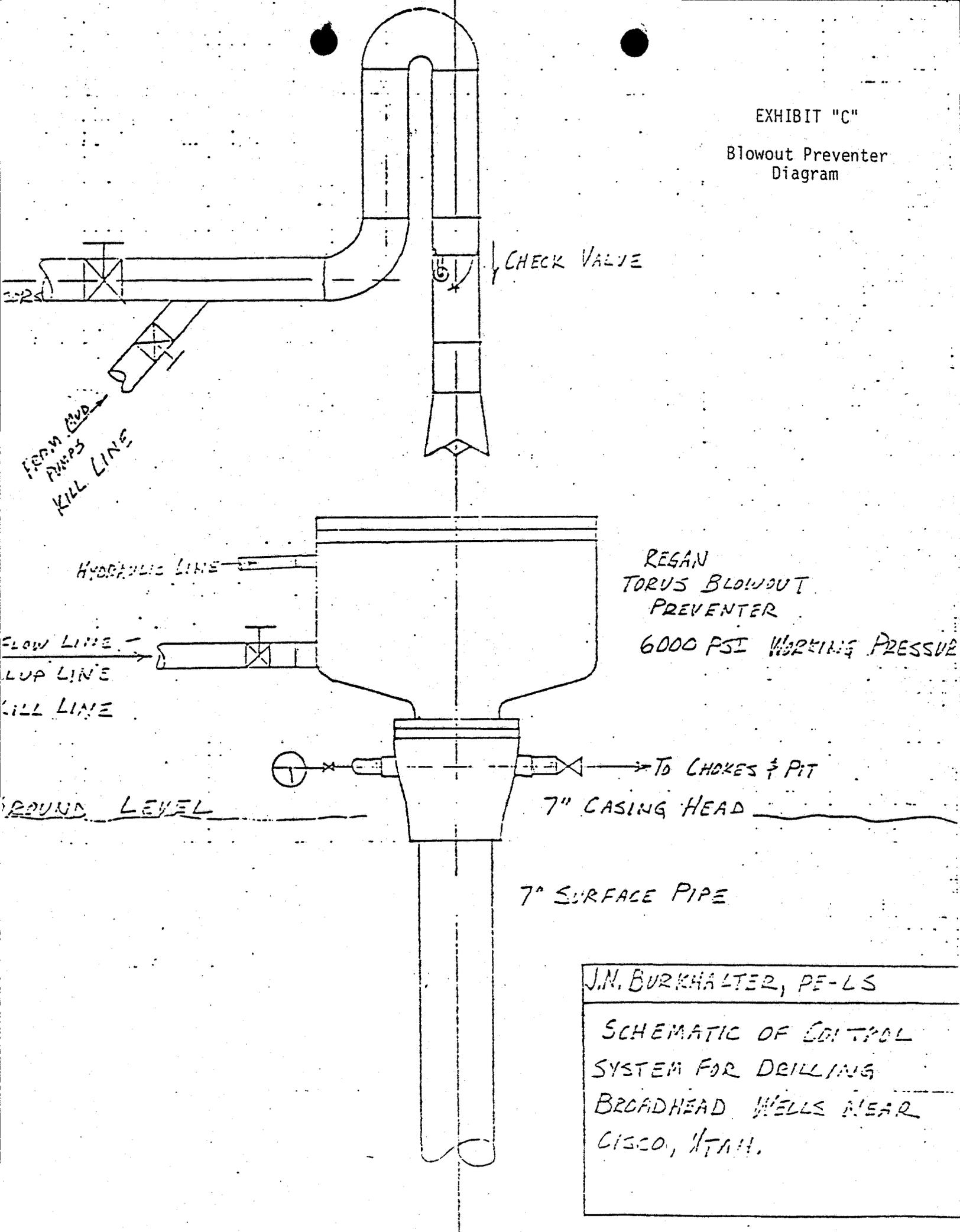
10. Anticipated Starting Date and Duration of Operations

The anticipated starting date is September 30, 1981, or as soon as possible after approval of all drilling requirements.

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

EXHIBIT "C"

Blowout Preventer
Diagram



J.N. BURKHALTER, PE-LS

SCHEMATIC OF CONTROL
SYSTEM FOR DRILLING
BROADHEAD WELLS NEAR
CISCO, UTAH.

EXHIBIT "D"

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

WALTER D. BROADHEAD
Federal Broadhead No. 2
NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec 6, T21S, R24E, SLB&M
Grand County, Utah

1. Existing Roads

- A. Exhibit "A" is the proposed well site as staked by Udell S. Williams, and the ground elevation is shown thereon.
- B. Exhibit "E" is the route and distance road map. The location is a total of 7.9 miles Northerly from Cisco, Utah. To reach the location travel Northeasterly from Cisco 5.4 miles on old U.S. Highway 6 & 24; turn left and go under Interstate 70 and proceed Northerly on 30' Grand County gravelled road for a distance of 0.1 mile; turn left onto 30' gravel road and travel 0.4 mile; turn left onto pipeline road and travel 2.0 miles to the beginning of the flagged access road to be constructed; turn left and go Southerly 0.2 mile to the location.
- C. Exhibit "F" is a print of a portion of the Danish Flat, Utah, Quadrangle and shows the access road into the location. The green color shows the existing road. The red color indicates new road construction required to reach the location.
- D. All known existing roads appear on Exhibits "E" and "F".
- E. This is considered a Wildcat Well.
- F. The roads leading to this location are in good shape and will easily carry the truck-mounted rig.

2. Planned Access Roads

The 0.2 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 16' in width.
- (2) Maximum grade will be 2-4%.
- (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 two-mile radius of the wildcat well, see Exhibit "E".

- (1) There are no water wells.
- (2) There are no abandoned wells.
- (3) There are no temporarily abandoned wells.
- (4) There are no disposal wells.
- (5) There are no drilling wells.
- (6) There are no producing wells.
- (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 two-mile radius of this location are existing facilities owned or controlled by lessee/operator as shown on Exhibit "E".
- 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" = 50'.
 - (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, 7.0 road miles Westerly of the location.
- B. Water will be trucked over the access roads 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 reserve pits will be fenced or covered as soon as practical upon removal of the rig. Other pits will be covered as soon as possible after removal of the rig.

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 stockpiles, 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 the Fall of 1981, 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. 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, 6.0 air miles Westerly of the location.

The nearest occupied dwelling is in Cisco, Utah, 3.0 air 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 Street
Grand Junction, Colorado 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.

September 3, 1981

Date ..

Walter D. Broadhead

Operator

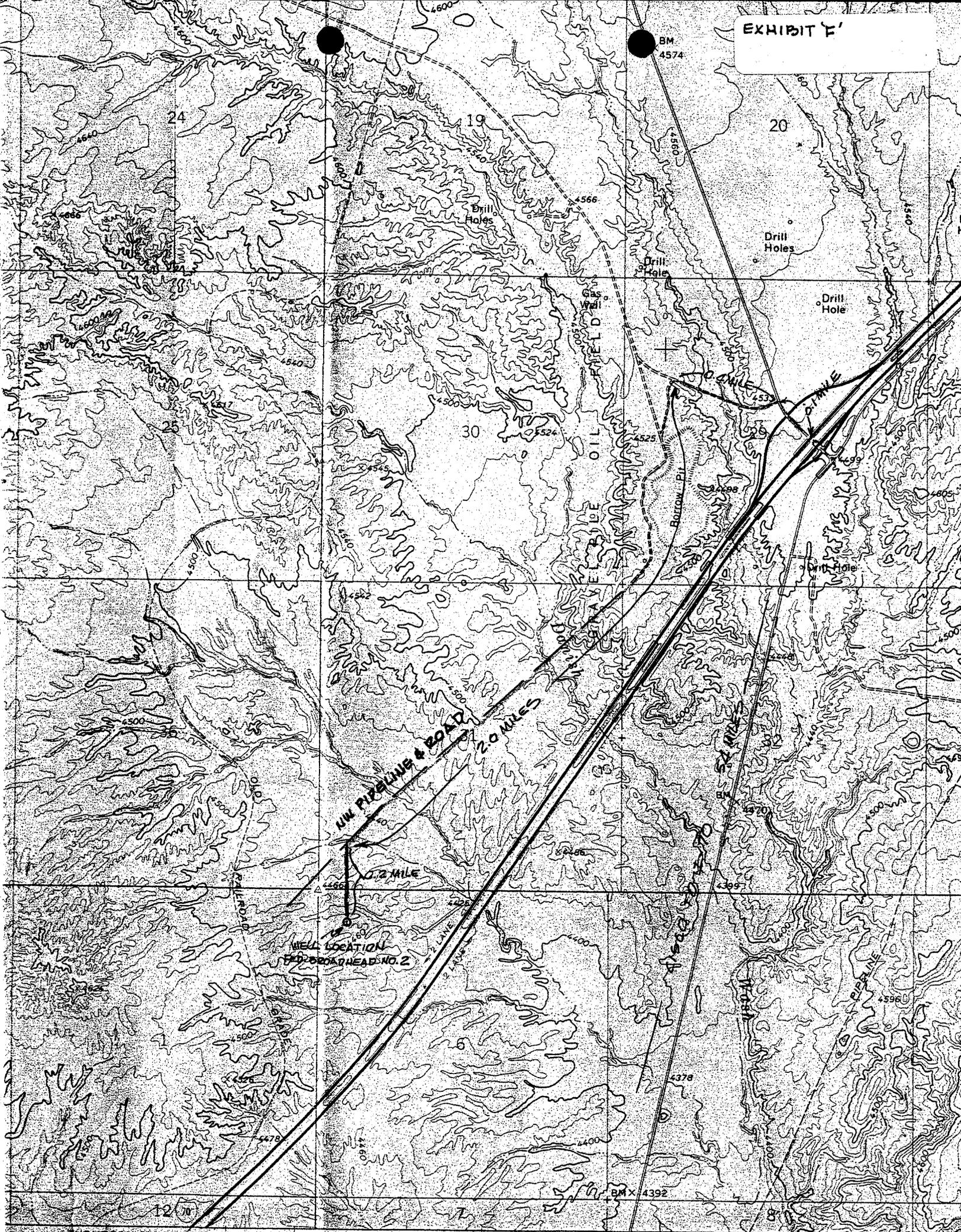
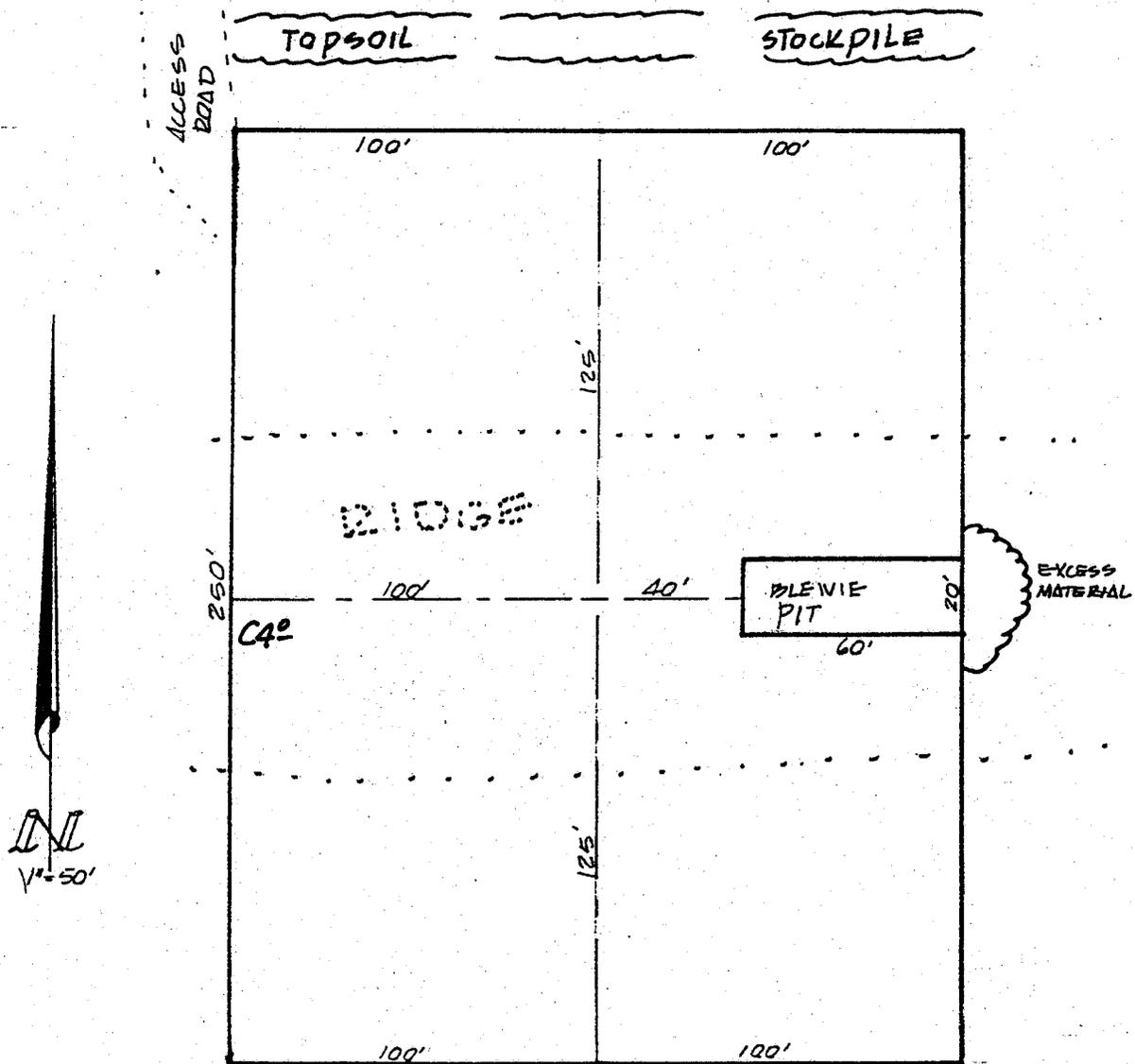


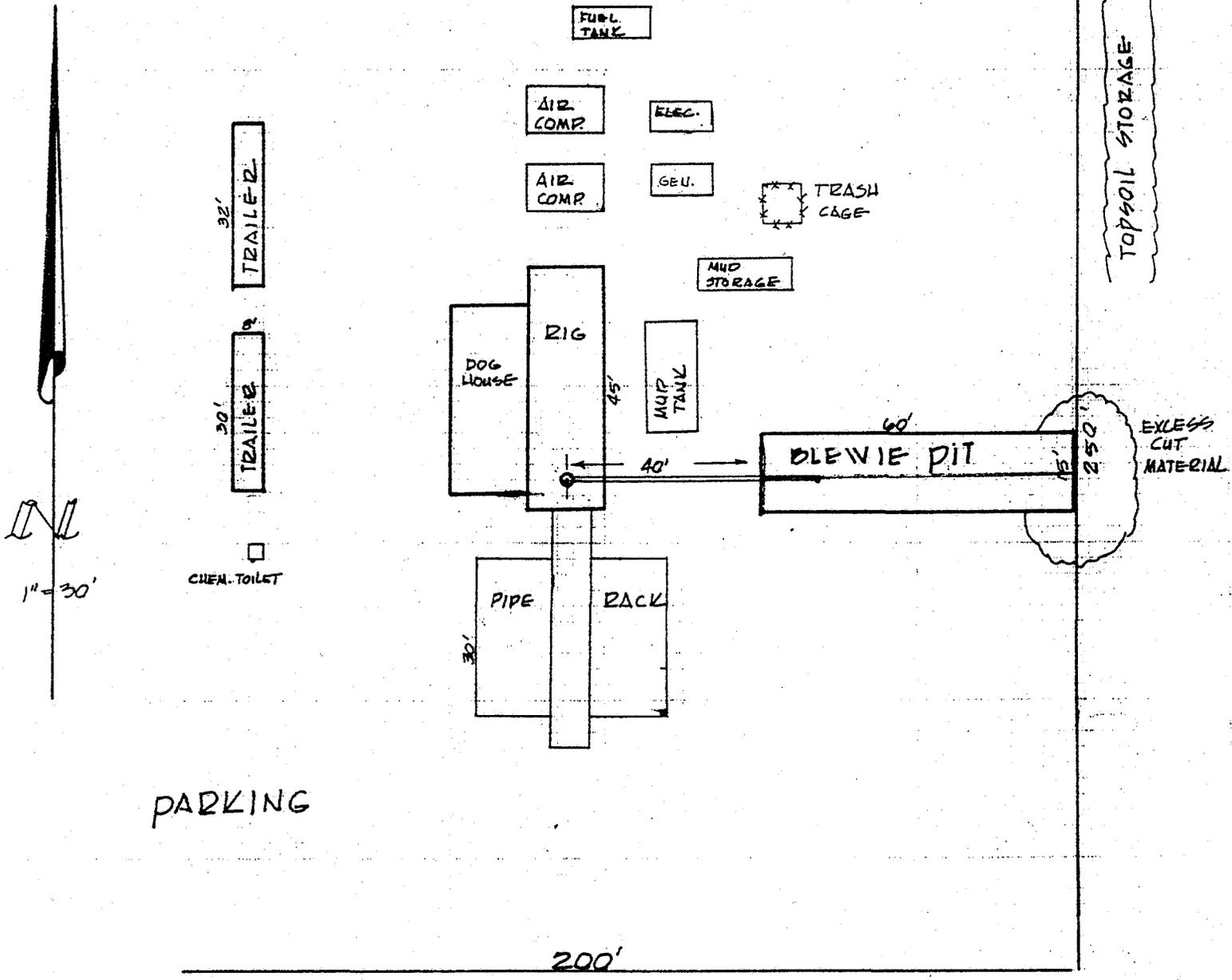
EXHIBIT 'G'
DRILL PAD LAYOUT
FEDERAL BROADHEAD #2
GRAND CO., UTAH



FEDERAL BROADHEAD #2
WALTER D. BROADHEAD

EXHIBIT 'H' DRILL RIG LAYOUT

ACCESS
ROAD

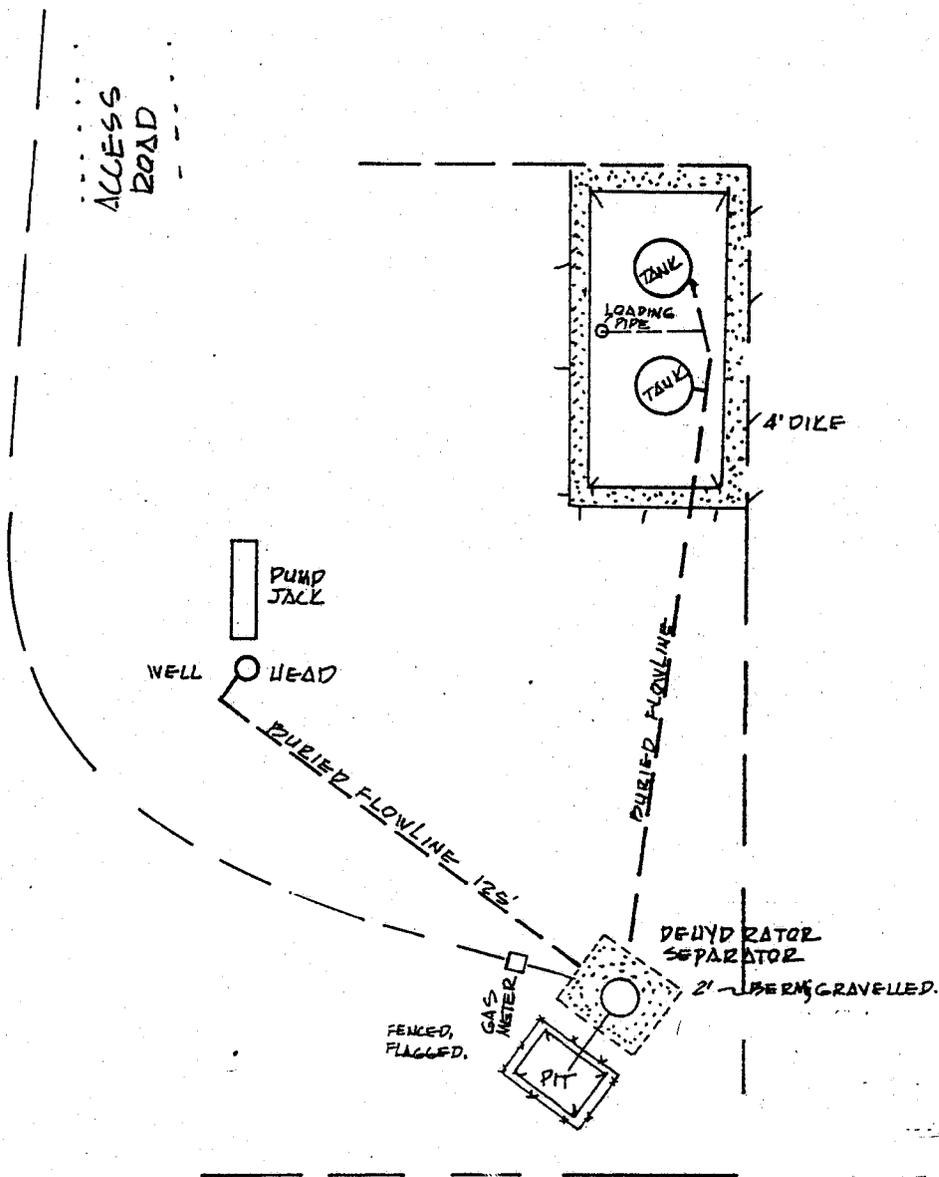


PARKING

200'

FEDERAL BROADHEAD NO. 2
NW 1/4 NW 1/4, SEC. 6, T. 21 S., R. 24 E.

EXHIBIT I
PRODUCTION FACILITIES



FEDERAL BROADHEAD NO. 2

GRAND COUNTY, UTAH

United States Department of the Interior
 Geological Survey
 2000 Administration Bldg.
 1745 West 1700 South
 Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Walter D. Broadhead
 Project Type Oil and Gas Well - Development
 Project Location 500' FNL & 500' FWL - Sec. 6, T. 21S, R. 24E
 Well No. Federal Broadhead #2 Lease No. U-26421
 Date Project Submitted September 11, 1981

FIELD INSPECTION Date October 7, 1981

Field Inspection Participants
Cody Hansen - USGS, Vernal
Walter Broadhead - Operator
Elmer Duncan - BLM, Moab
Kevin Cleary - BLM, Moab

Related Environmental Documents: _____

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

12-10-81
 Date Prepared

[Signature]
 Environmental Scientist

I concur
DEC 15 1981
 Date

[Signature] FOR E. W. GUYNN
 DISTRICT OIL & GAS SUPERVISOR
 District Supervisor

RECOMMENDED STIPULATIONS FOR WALTER D. BROADHEAD WELL #2.

1. The location will be rotated 90° to the right to accomodate the rig.
2. The access road will enter from the northeast corner of the location, and is changed on the attached map.
3. Topsoil will be placed on the west edge of the location to insure rehabilitation efforts.
4. The location is reduced 100' x 150' to reduce cut and fill.
5. Tank grades and production facilities will be on the north edge of the location.

COMMENTS:

The access road was changed to reduce grade to the location and eliminate a small drainage. The location was rotated to reduce cut and fill and to allow the rig to enter the location safely.



Broadhead #2

South

Company: Walter D. Broadhead
Well: Fed. Broadhead #2
Sec. 6, T. 21 S., R. 24 E.

ADDITIONS TO THE MULTIPOINT
SURFACE USE PLAN
AND
RECLAMATION PROCEDURES

CONSTRUCTION:

1. The operator or his contractor will contact the Grand Resource Area Office in Moab, Utah phone (801 259-6111) 48 hours prior to beginning any work on public land.
2. The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
3. Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
4. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
5. Improvement to the existing road will be necessary. The total disturbed width allowed will be 24 feet. The allowable travel surface will be 18 feet. Improvement will be in accordance with right-of-way stipulations issued to Walter Broadhead covering this section of the access.

New road construction on lease will be limited to an allowable travel surface width of 18 feet, and total disturbance of 22 feet. For construction design and survey refer to class III road standards. Approximately 0.1 miles of new road was re-routed and re-flagged in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 6. Construction will follow new flagged route looping to the east and back to the pad.

Topsoil will be saved along the route, and windrowed along the east side.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

6. Location: Pad size will be reduced from the APD, exhibit "6" 200' X 250' to 150' wide X 175' long disturbed area leveled for the rig and steel mud pit(s). Rig layout will be rotated 90o clockwise to put pit(s) in the cut portion of the pad.
7. The top 6 inches of soil material will be removed from the location and stockpiled separate from the trees on the west side of the location.
8. The reserve pit will not be lined with commercial bentonite or plastic sufficient to prevent seepage. Keyway. The reserve pit banks will be 1.5 to 2.0 feet above pad and constructed in 8" lifts, machinery compacted, and sufficiently wide for equipment to pass over. Pit(s) will be at the center of the south side. Dimensions will be 20' long X 20' wide X 5' deep.
9. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as the frilling is completed. The fence will be kept in good repair while the pit is drying. The fence will be 48" high woven wire with a strand of barbed wire along the top for support.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

IN REPLY REFER TO

3109
U-26421
(U-068)

DEC 03 1981

Memorandum

To: Oil & Gas Office
USGS Conservation Division
P.O. Box 1037
Vernal, Utah 84078

From: Area Manager, Grand

Subject: Walter D. Broadhead (APD)
Federal Broadhead #2 Lease: #U-26421
NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 6, T. 21 S., R. 24 E., SLB&M
Grand County, Utah

On October 7, 1981 a representative from this office met with Cody Hansen, USGS, and Walter Broadhead, agent of Walter D. Broadhead for an inspection of the above referenced location. Subject to the attached conditions and written approval from USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Walter D. Broadhead.

Enclosures: (3)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors - Production Facilities



REHABILITATION

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash cage. Non-burnable debris will be hauled to a local town dump site.
2. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801 259-6111), 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal etc.) it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 6 inches. Do not smooth pads out, leave a roughened surface.
7. 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. Seed will be broadcast at 2 times the enclosed seed mixture rate per acre.
8. After seeding is complete the access will be blocked to prevent any vehicle use.
9. Waterbars will be used on all sloping surfaces as shown below:

Grade

2%
2-4%
4-5%
+5%

Spacing

200 ft. spacing
100 ft. spacing
75 ft. spacing
50 ft. spacing

PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. All of the stockpiled topsoil will be used in reclaiming the unused areas.
2. All above-ground production facilities will be painted using the attached suggested colors.
3. The access will be to the design of a class III road.
4. If oil is produced, the berms around the storage tanks will be large enough to contain the capacity of the tanks plus 25%.

SEED MIXTURE

Species		Rate
<u>Grasses</u>		<u>lbs/acre</u>
Oryzopsis hymenoides	Indian rice grass	1
Hilaria jamesii	Curley grass	1
<u>Forbs</u>		
Sphaeralcea coccinea	Globemallow	1
<u>Shrubs</u>		
Atriplex nuttallii	Nuttal Saltbush	1
Atriplex confertifolia	Shadscale	1
Ceretoides lanata	Winterfat	1
		<hr/>
		6

Double this amount if the seed will be broadcast.



United States Department of the Interior

IN REPLY REFER TO

BUREAU OF LAND MANAGEMENT

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

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

** FILE NOTATIONS **

DATE: October 15, 1981
OPERATOR: Shatter D. Broadhead
WELL NO: Federal Broadhead no. 2
Location: Sec. 6 T. 21S R. 24E County: Grand

File Prepared: Entered on N.I.D:
Card Indexed: Completion Sheet:

API Number 43-019-30870

CHECKED BY:

Petroleum Engineer: _____

Director: OK as per order in case 102-16B

Administrative Aide: OK as per order below,

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. 102-16B, 9-26-79 O.K. Rule C-3

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

Lease Designation Plotted on Map

Approval Letter Written

Hot Line P.I.

October 20, 1981

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

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

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 102-16B, 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:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

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 43-019-30870.

Sincerely

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/db
CC: USGS



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

September 22, 1982

Walter D. Broadhead
1645 North 1st Street
Grand Junction, Colorado 81501

Re: Well No. Patsantaras Fee Pete
#3
Sec. 32, T. 20S, R. 24E.
Grand County, Utah

Well No. Federal Harris #2
Sec. 33, T. 20S, R. 24E.
Grand County, Utah

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

Dear Mr. Broadhead,

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

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

CF/cf

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

January 3, 1983

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

Re: Rescind Application for Permit to
Drill
Well No. 2
Section 6, T.21S., R.24E.
Grand County, Utah
Lease U-26421

Gentlemen:

The Application for Permit to Drill the referenced well was approved on December 16, 1981. Since that date no known activity has transpired at the approved location. Under District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of the well will be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

(ORIG. SGD.) W. P. MARTENS
Drilling Unit Supervisor

for
E. W. Guynn
District Oil and Gas Supervisor

bcc: SMA
State O&G
State BLM
Vernal
Well File
APD Control

WPM/kr

January 5, 1983

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

RE: Application for Permit to Drill
Well No. 2
Sec. 6, T.21S, R.24E
Grand County, Utah

Gentlemen:

Approval of Application for Permit to Drill the above referenced well is rescinded without prejudice as of the above date in concert with action taken by Minerals Management Service.

If you intend to drill this location at a future date, a new application for permit to drill may be submitted for State approval.

Sincerely,

Norm Stout
Administrative Assistant

NS/as