Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-38366

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [X]

8. FARM OR LEASE NAME: Federal

9. WELL NO.: Federal Lansdale # 15-1A

2. NAME OF OPERATOR: Walter D. Broadhead

3. ADDRESS OF OPERATOR: 1645 North 7th. St. Grand Junction, Colo..81501

10. FIELD AND POOL, OR WILDCAT: Greater Cisco Area

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 500' fnl and East 600' fwl NW¼ NW¼ S15 T20S R24E
At proposed prod. zone

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 15, T20S, R24E SLB&M

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: About 11 meles north east of Cisco, Utah

12. COUNTY OR PARISH: Grand

13. STATE: Utah

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

16. NO. OF ACRES IN LEASE: 200

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: 1500

20. ROTARY OR CABLE TOOLS: rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 4580

22. APPROX. DATE WORK WILL START*: January 15, 1082

23. PROPOSED CASING AND CEMENTING PROGRAM

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

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 2/28/82
BY: [illegible]

EXHIBITS ATTACHED:

A location and elevation plat
B Ten- point compliance program
C Blowout preventer 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 Porduction 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 preventer program, if any.

24.

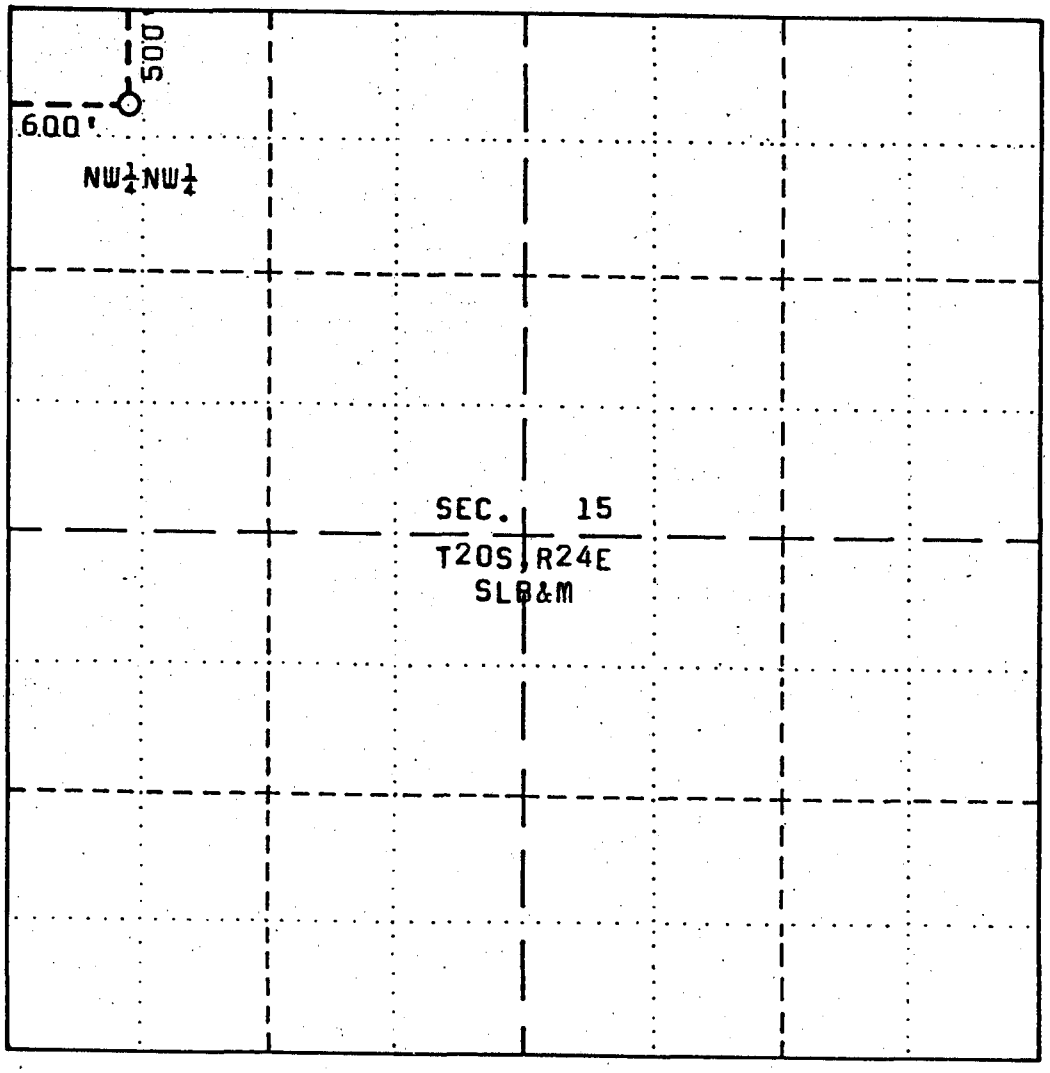
SIGNED Walter D Broadhead TITLE Operator DATE Nov 28 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



SCALE: 1" = 1000'

FED. LANSDALE NO. 15-1A

Located South 500 feet from the North boundary and East 600 feet from the West boundary of Section 15, T20S, R24E, SLB&M.

Elev. 4590

Grand County, Utah

REGISTERED LAND SURVEYOR
No. 2573
UDELL S. WILLIAMS
STATE OF 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

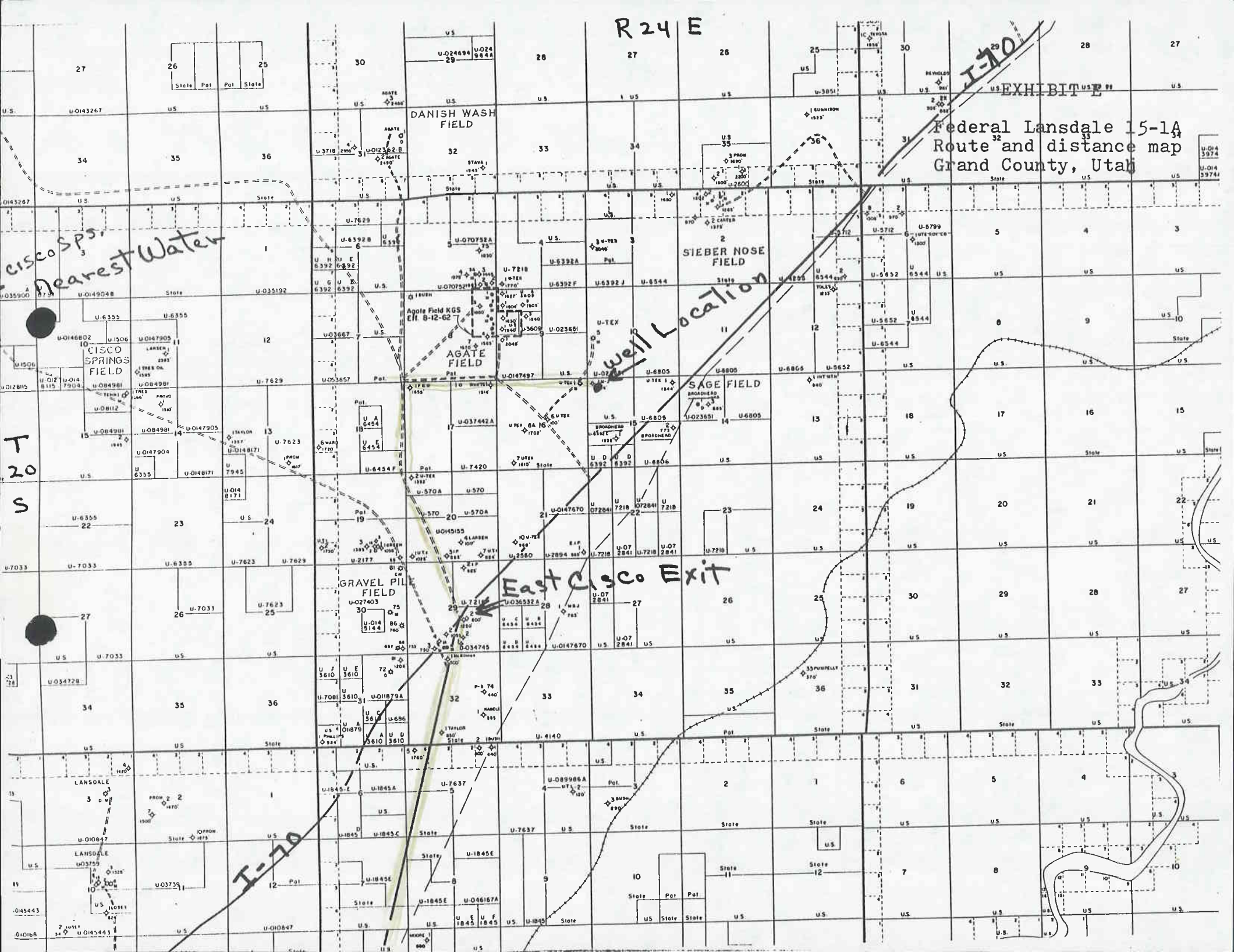
UTAH R.L.S. NO. 2573

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

PLAT OF
PROPOSED LOCATION

FED. LANSDALE NO. 15-1A
NW¼NW¼ SECTION 15
T20S, R24E, SLB&M

SURVEYED BY: USW DATE: 11/6/81
DRAWN BY: USW DATE: 11/6/81


R 24 E
T 20 S
EXHIBIT E
Federal Lansdale 15-1A
Route and distance map
Grand County, Utah
Cisco SPS,
Nearest Water
well Location
East Cisco Exit
I-70
DANISH WASH FIELD
SIEBER NOSE FIELD
AGATE FIELD
Agate Field KGS Elf. 8-12-62
CISCO SPRINGS FIELD
SAGE FIELD
GRAVEL PIT FIELD
LANSDALE
LANSDALE

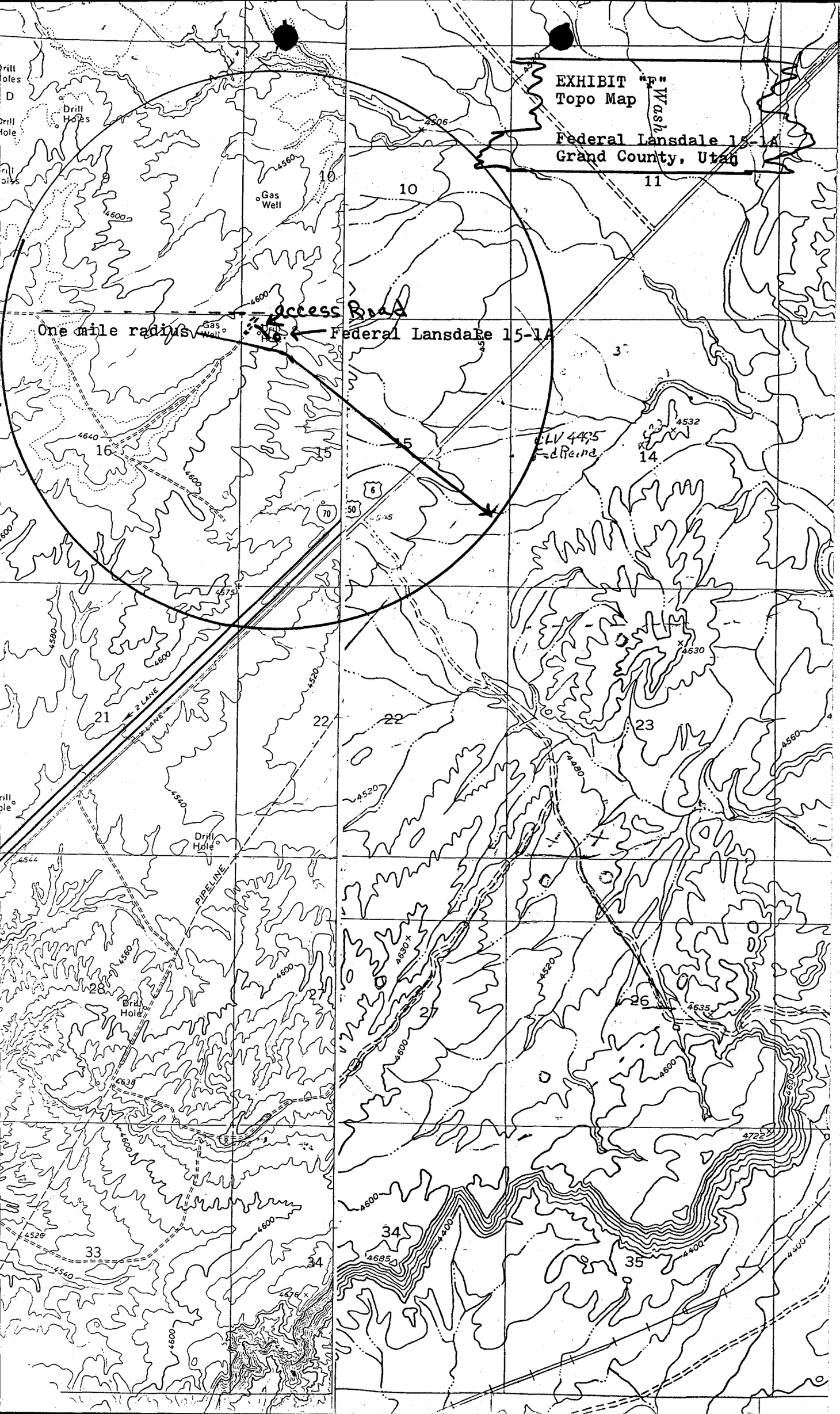


EXHIBIT "F"
Topo Map
Federal Lansdale 15-1A
Grand County, Utah
Wash
One mile radius
Access Road
Federal Lansdale 15-1A
Gas Well
Drill Holes
Drill Hole
ELV 4435
Ed Reina
2 LANE
PIPELINE
10
11
14
15
16
21
22
23
26
27
28
33
34
35

MINERALS MANAGEMENT SERVICE
OIL & GAS OPERATIONS
RECEIVED
JUN 1 1982
SALT LAKE CITY, UTAH

Identification CER/EA No. 077-82

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 Broadhead

Project Type Gas Well - Wildcat

Project Location 500 FNL 600 FWL SEC 15 T20S R24E

Well No. 15-1A Lease No. U-38366

Date Project Submitted 12-4-81

FIELD INSPECTION Date 1-19-82

Field Inspection Participants
Craig Hansen USGS-Vernal
Jeff Robbins BLM-Moab
Paul Brown "
Bud Broadhead Broadhead

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.

1-20-82
Date Prepared

Craig M Hansen
Environmental Scientist

I concur

JUN 01 1982
Date

W P Martens
FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR
District Supervisor

Typing Out

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency: Correspondence (date)	Federal/State Agency: Phone check (date)	Federal/State Agency: Meeting (date)	Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
Public health and safety	BLM 5-28-82 /						2	1-19-82 2,4,6	
Unique characteristics	/						2	2,4,6	
Environmentally controversial	/						2	2,4,6	
Uncertain and unknown risks	/						2	2,4,6	
Establishes precedents	/						2	2,4,6	
Cumulatively significant	/						2	2,4,6	
National Register historic places	/								
Endangered/ threatened species	/								
Violate Federal, State, local, tribal law	/								

Comments: well was held by archaeology

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement

Broadhead
15-19
north

United States Department of the Interior

IN REPLY REFER TO

3109
U-38366
(U-068)

BUREAU OF LAND MANAGEMENT
Moab District
Grand Resource Area
P.O. Box M
Moab, Utah 84532

MAY 25 1982

Memorandum

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

From: Area Manager, Grand

Subject: Permit to Drill: U-38366
Lansdale 15-1A
Sec. 15, T. 20 S., R. 24 E.
Grand County, Utah

On January 19, 1982 a representative from this office met with Cody Hansen, USGS, and Bud Broadhead agent of W. 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 W. D. Broadhead.

ACTING

Enclosures: (4)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors - Production Facilities
4-Class III Road Standards

Company: Broadhead
Well: Fed. Lansdale #15-1A
Section: 15, T. 20 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 not be necessary. The total disturbed width allowed will be as is. The allowable travel surface will be as is.

New road construction will be limited to a total disturbed width of 16 feet. For construction design and survey refer to class III road standards attachment. The access will be roughed in at first. Then if the location is to go into production, the road will be upgraded to the class III standards with the proper water dispersion controls.

Topsoil will not be saved along the route between the trees and the road.

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: any areas that are used to put equipment on inside the 200 X 250 whether the surface has been bladed or not, will be ripped and seeded if no longer needed. The topsoil near the blooie pit will be relocated away from the pit.

7. The top 8 inches of soil material will be removed from the location and stockpiled on the north side of the location. Topsoil along the access will be reserved in place.

8. The reserve pit will not be lined.

9. 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 woven wire type.

10. Waterbars will be used as needed on all sloping surfaces as shown below:

Grade	Spacing
2%	200 feet spacing
4-4%	100 feet spacing
4-5%	75 feet spacing
+5%	50 feet 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.

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 pit/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 12 inches. Do not smooth pads out, leave a roughened surface.

7. Seed will be (broadcast/drilled) 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 MIXTURE

Species		lbs/acre
Grasses		
Oryzopsis hymenoides	Indian ricegrass	1
Hilaria jamesii	Galleta (Curlygrass)	1
Sporobolus cryptandrus	Sand dropseed	1
Forbs		
Aster chilensis	Pacific aster	½
Sphaeralcea coccinea	Scarlet globemallow	½
Shrubs		
Atriplex canescens	Fourwing saltbush (White greasewood)	1
Atriplex nuttallii cuneata	Wedgeleaf nuttall saltbush	1
Eurotia lanata	Winterfat (Whitesage)	1
	Total	7

Broadcast seed will be applied at double the above rate.

Seeding will be done in the fall of the year (Oct. - Dec.)

SUGGESTED COLORS TO PAINT OIL AND GAS
PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
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.

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM OF NTL-6

APPROVAL OF OPERATIONS

Walter D. Broadhead

Federal Lansdale No. 15-1A
NW¼NW¼ Sec. 15 T20S, R24E, SLB&M
Grand County, Utah

1. Geologic Surface Formation

The surface formation is Mancos.

2. Important Geologic Markers

Formation	Depth
Dakota	1500'

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

Formation	Depth	Fluids
Brush Creek	1780	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 1500 and set 4 1/2" 9.5-lb. with 100-sx cement (50% excess).

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 nippling 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 1200'; from 1500' to TD samples at 5' intervals.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

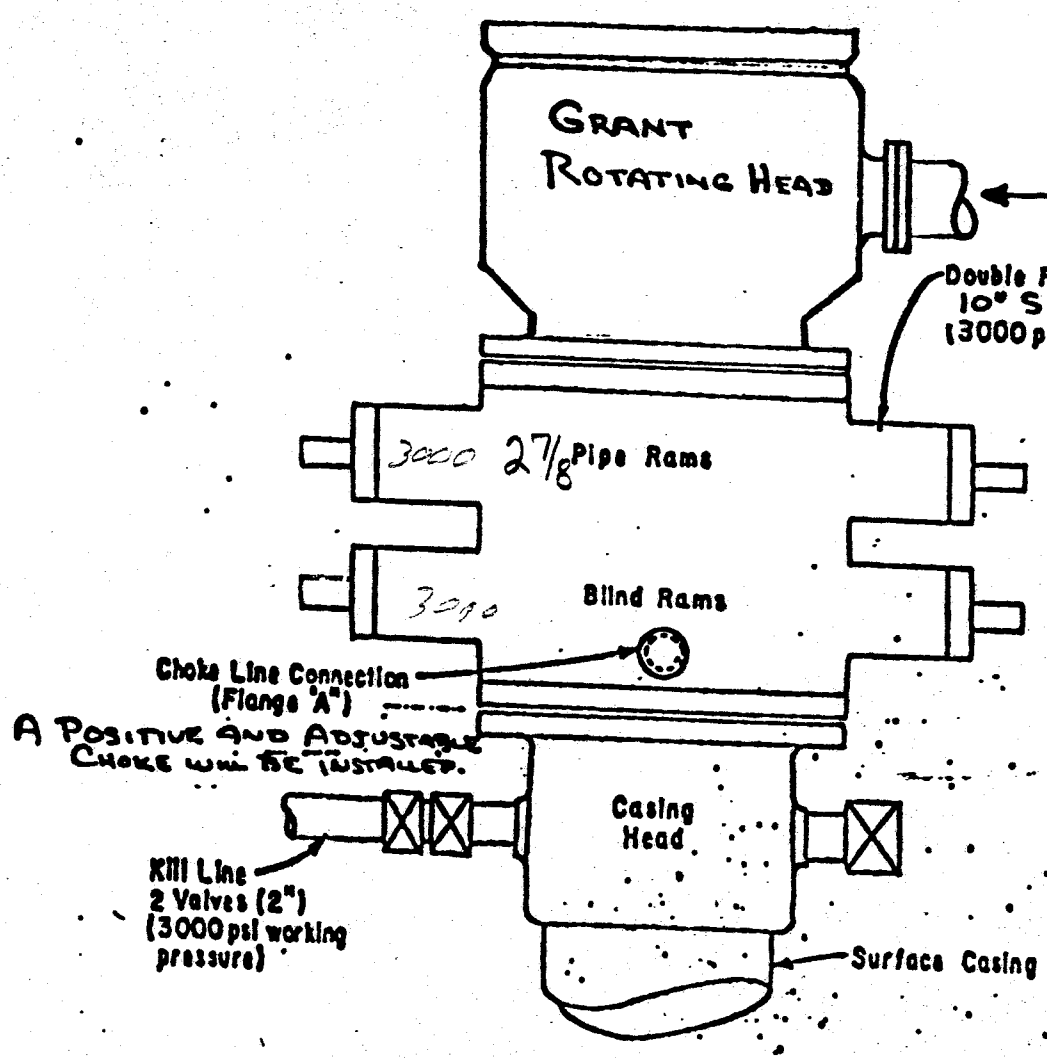
No abnormal gas pressures or temperatures are expected. No hydrogen sulfide or other hazardous gasses or fluids have been reported in the area.

10. Anticipated Starting Date and Duration of Operations

The anticipated starting date is January 15, 1982 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

Walter D. Broadhead

Federal Lansdale No. 15-1A
NW¼NW¼ Sec. 15 T20S, 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 11 miles Northeasterly 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 2.7 miles to a 3-way intersection (corrals are on the right); turn right onto a 25' dirt road (old railroad bed) and go east for two miles. This will take a slight Jog to the south of the Northwest compressor station. At the end of the two miles go south and then east for 1/8 of a mile. This will take a roadway to the beginning of the proposed access road to be constructed south east approximately 0.1 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 Development Well.

F. All roads from Cisco to the Agate Oil Field are in good condition and carry heavy truck traffic regularly. The next 0.2 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 16' 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 Cisco Springs, 11.8 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 duri[illegible] completion operations.

(4) Chemical toilet facilit[illegible] ll be provided for human waste.

15-1A

(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 January of 1982 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, 5.3 air miles Westerly of the location.

The nearest occupied dwelling is in Cisco, Utah, 9.9 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 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.

Nov 28 1981
Date

Walter D Broadhead
Name and Title

Exhibit 'G'
Drill Pad Layout
Federal Lansdale No. 15-1A
Grand County, Utah

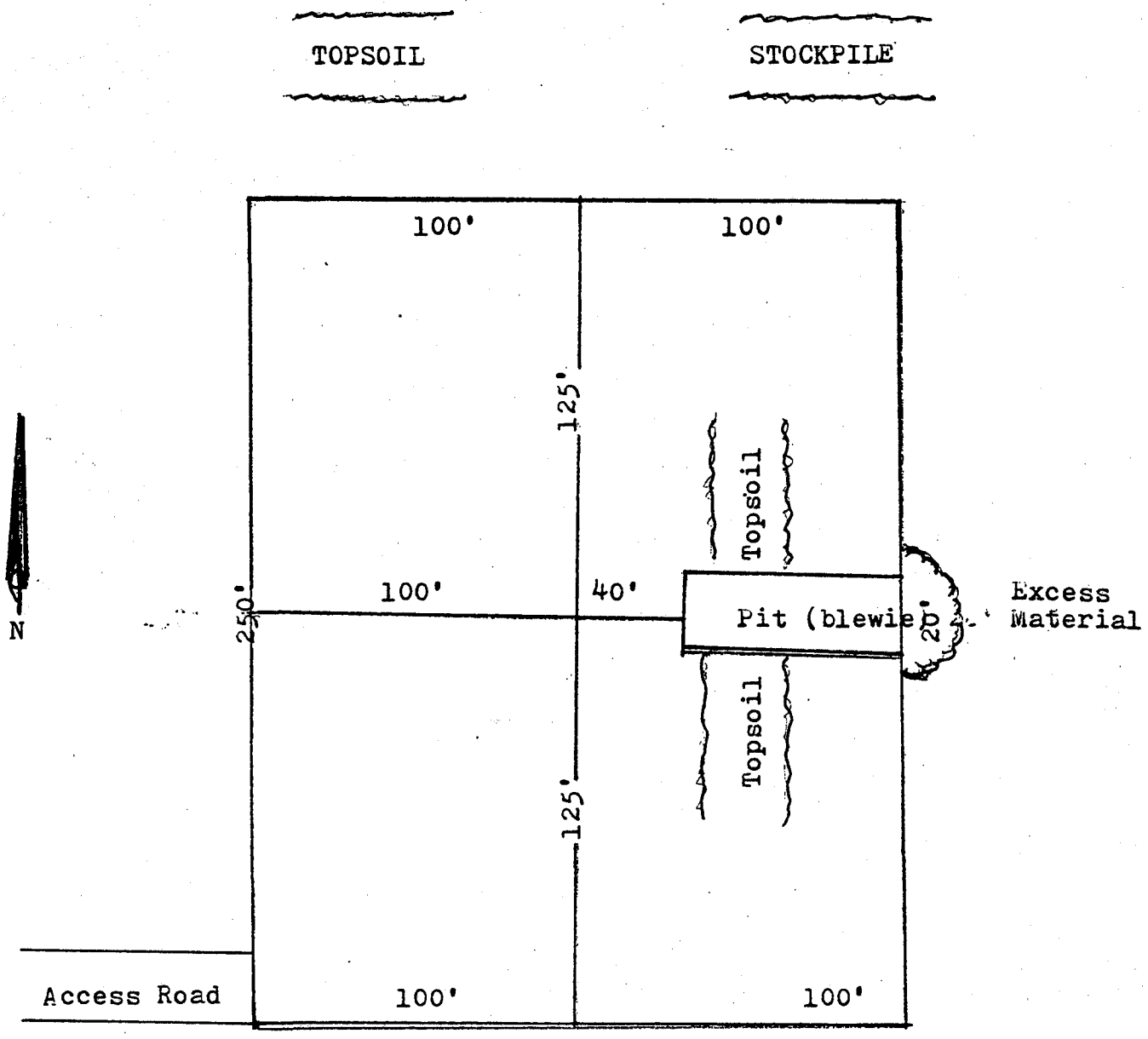


Exhibit "H"
Drill Rig Layout

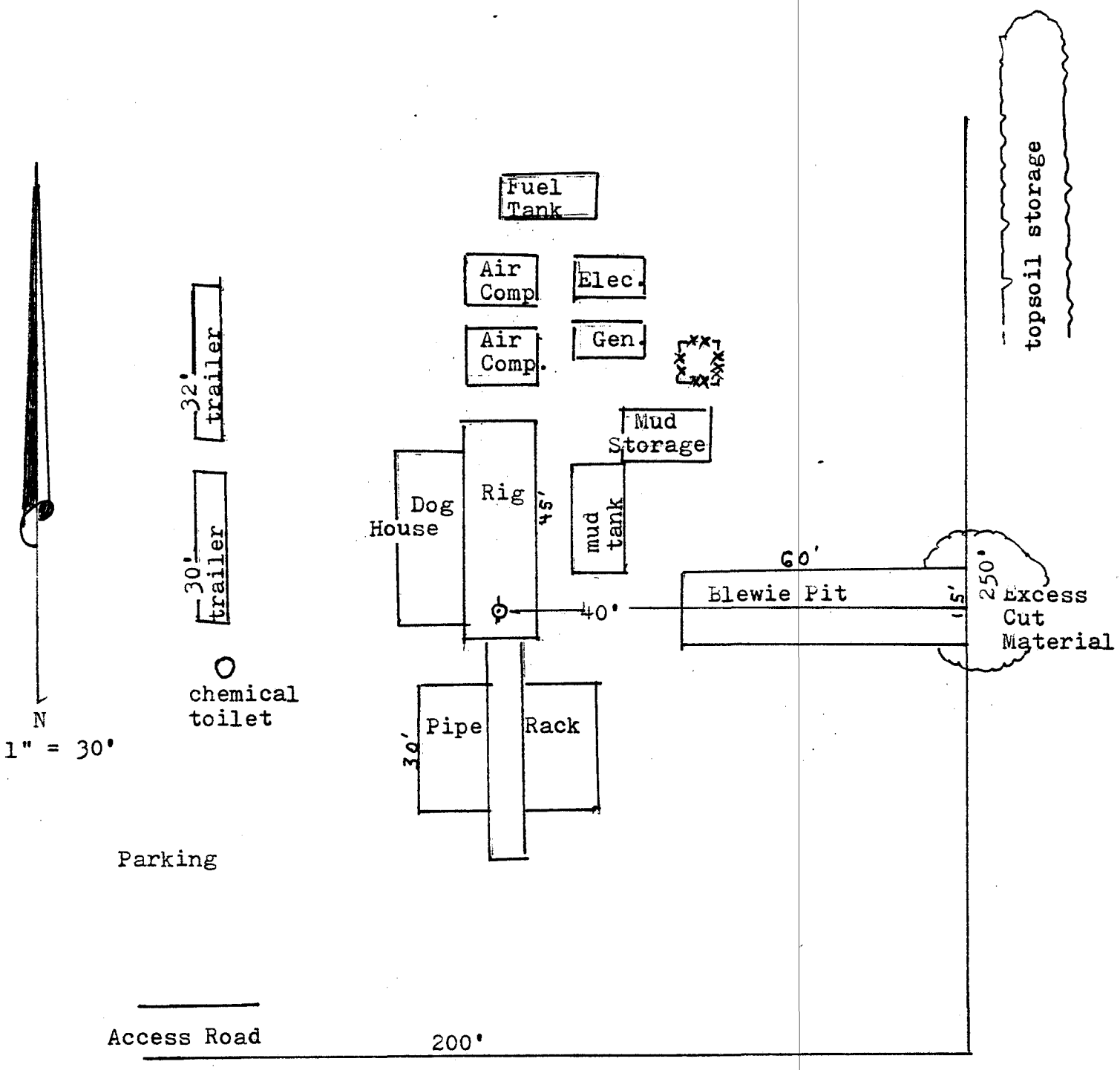
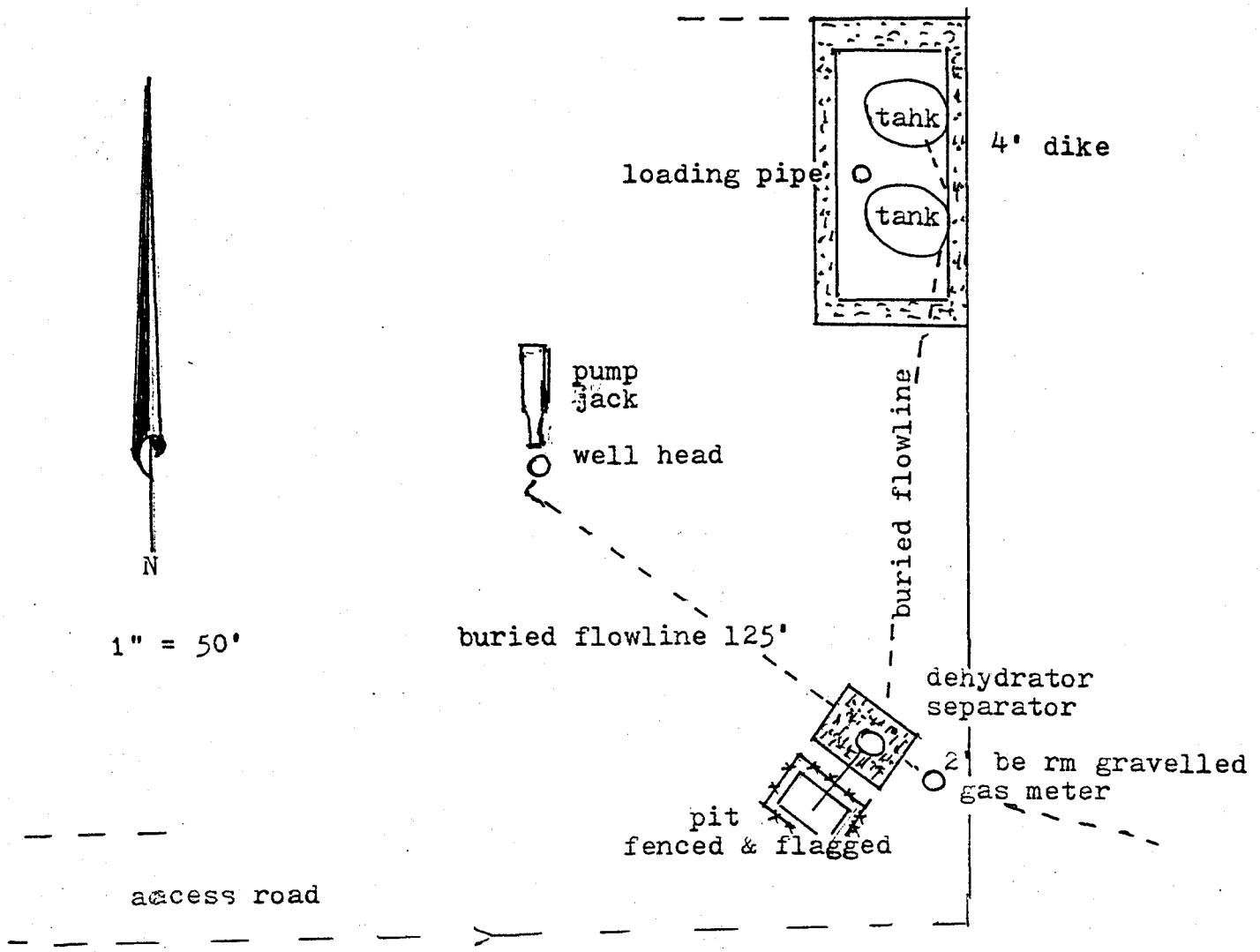
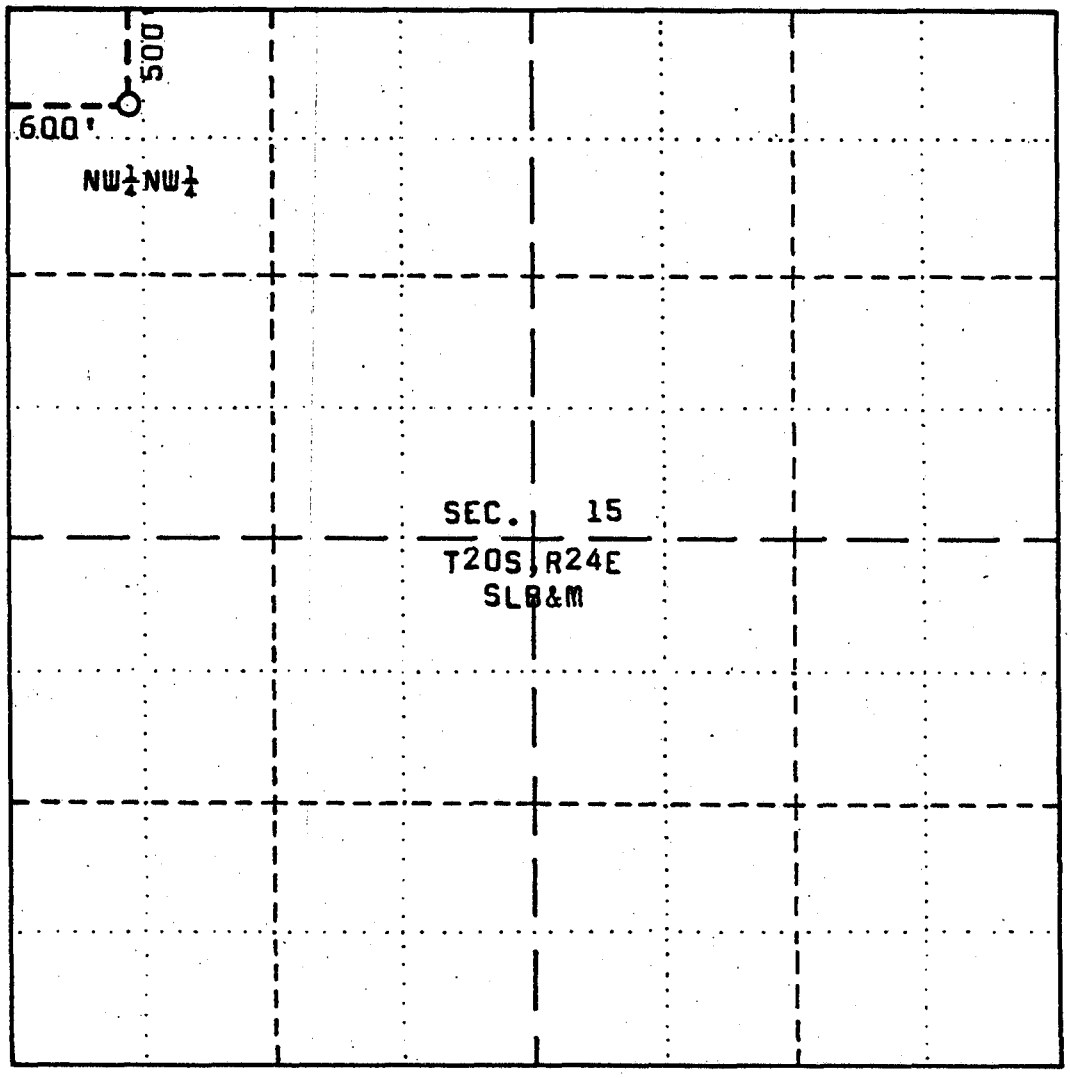


Exhibit "I"
Production Facilities





SCALE: 1" = 1000'

FED. LANSDALE NO. 15-1A

Located South 500 feet from the North boundary and East 600 feet from the West boundary of Section 15, T20S, R24E, SLB&M.

Elev. 4590

Grand County, Utah

REGISTERED LAND SURVEYOR
No. 2573
UDELL S. WILLIAMS
STATE OF 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

UTAH R.L.S. NO. 2573

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

PLAT OF
PROPOSED LOCATION

FED. LANSDALE NO. 15-1A
NW¼NW¼ SECTION 15
T20S, R24E, SLB&M

SURVEYED BY: USW DATE: 11/6/81
DRAWN BY: USW DATE: 11/6/81

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM OF NTL-6

APPROVAL OF OPERATIONS

Walter D. Broadhead

Federal Lansdale No. 15-1A
NW¼NW¼ Sec. 15 T20S, R24E, SLB&M
Grand County, Utah

1. Geologic Surface Formation

The surface formation is Mancos.

2. Important Geologic Markers

Formation	Depth
Dakota	1500'

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

Formation	Depth	Fluids
Brush Creek	1780	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 1500 and set 4 1/2" 9.5-lb. with 100-sx cement (50% excess).

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 nippling 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 1200'; from 1500' to TD samples at 5' intervals.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

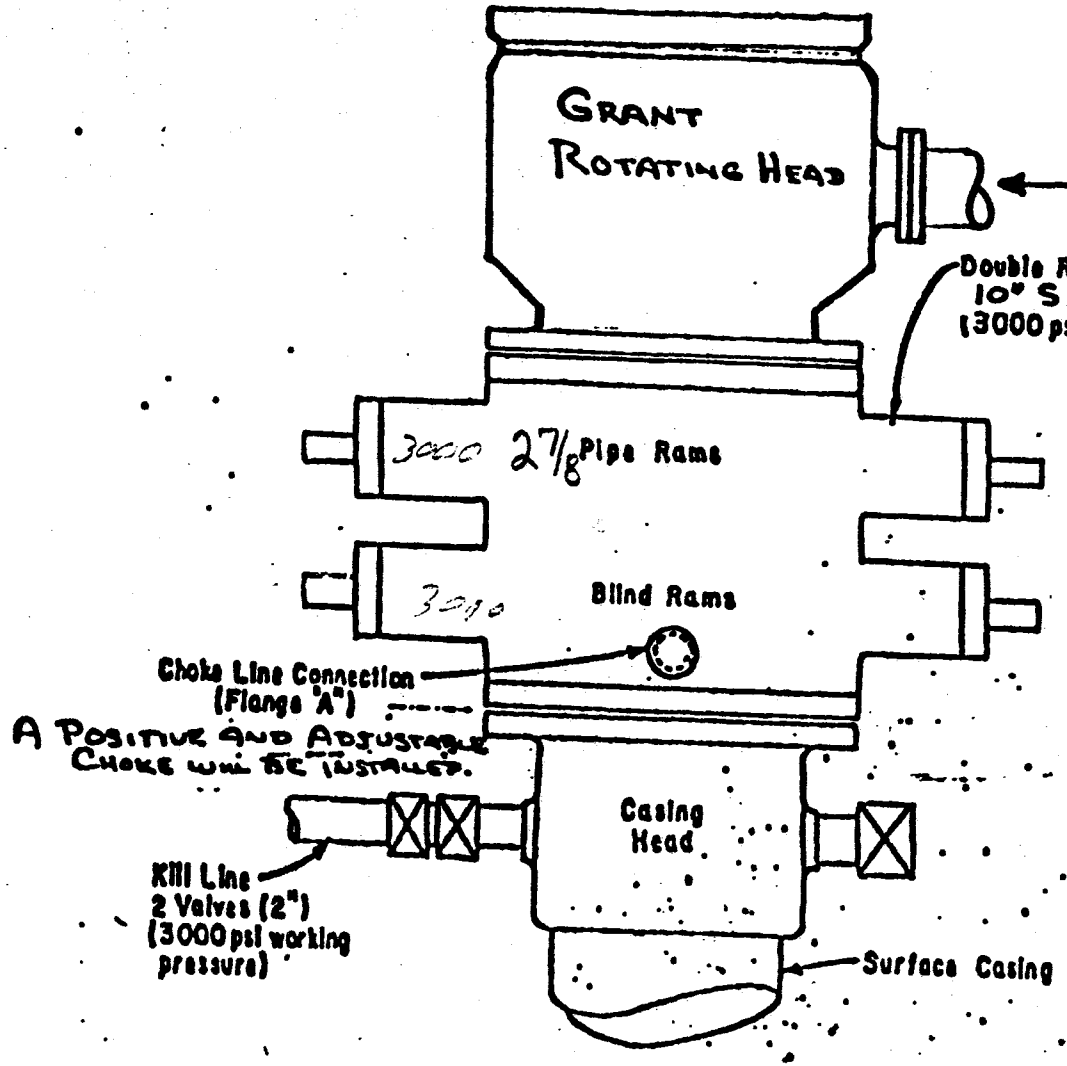
No abnormal gas pressures or temperatures are expected. No hydrogen sulfide or other hazardous gasses or fluids have been reported in the area.

10. Anticipated Starting Date and Duration of Operations

The anticipated starting date is January 15, 1982 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

Walter D. Broadhead

Federal Lansdale No. 15-1A
NW¼NW¼ Sec. 15 T20S, 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 11 miles Northeasterly 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 2.7 miles to a 3-way intersection (corrals are on the right); turn right onto a 25' dirt road (old railroad bed) and go east for two miles. This will take a slight Jog to the south of the Northwest compressor station. At the end of the two miles go south and then east for 1/8 of a mile. This will take a roadway to the beginning of the proposed access road to be constructed south east approximately 0.1 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 Development Well.

F. All roads from Cisco to the Agate Oil Field are in good condition and carry heavy truck traffic regularly. The next 0.2 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 16' 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 Cisco Springs, 11.8 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 January of 1982 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, 5.3 air miles Westerly of the location.

The nearest occupied dwelling is in Cisco, Utah, 9.9 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

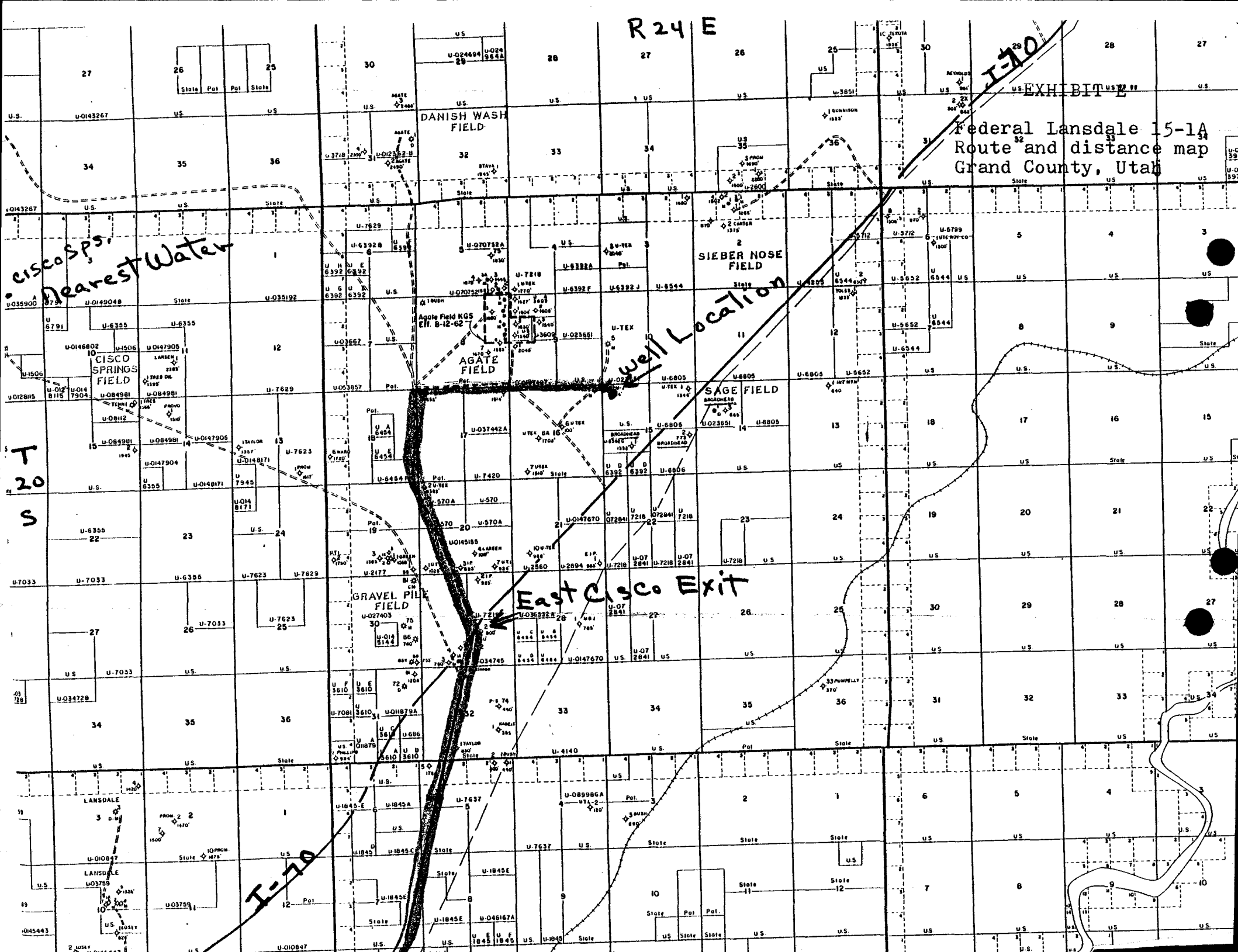
Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501
Telephone 303/242-7717

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.

Nov 28 1981
Date

Walter D Broadhead
Name and Title


R 24 E
T 20 S
EXHIBIT E
Federal Lansdale 15-1A
Route and distance map
Grand County, Utah
Cisco SPS, Nearest Water
Well Location
East Cisco Exit
I-70
I-70
DANISH WASH FIELD
SIEBER NOSE FIELD
CISCO SPRINGS FIELD
AGATE FIELD
SAGE FIELD
GRAVEL PIT FIELD
LANSDALE
LANSDALE
Agate Field KGS Elf. 8-12-62

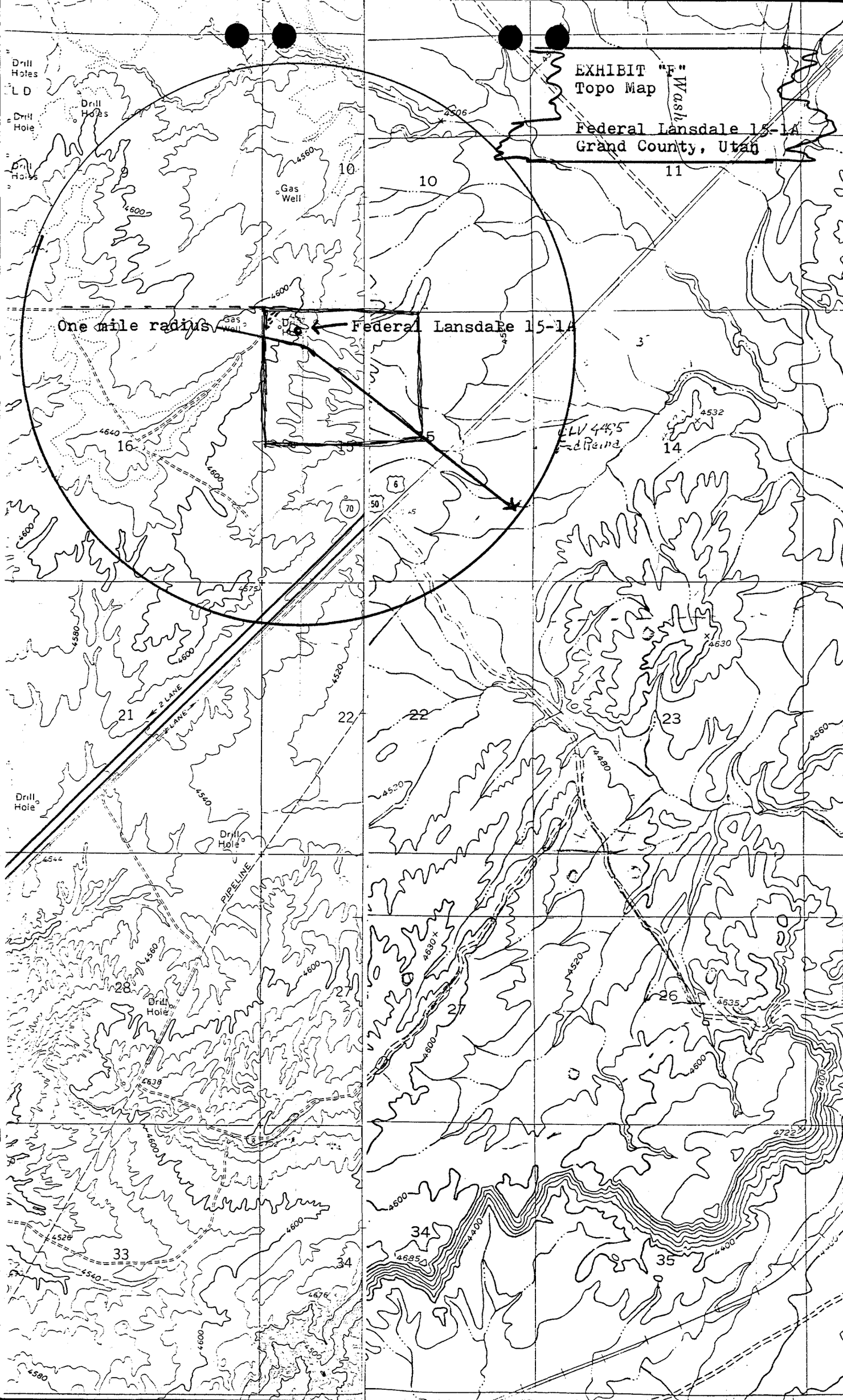


EXHIBIT "F"
Topo Map
Federal Lansdale 15-1A
Grand County, Utah
One mile radius
Federal Lansdale 15-1A
Drill Holes
Drill Hole
Gas Well
2 LANE
PIPELINE
ELV 4475
Wash

Exhibit 'G'
Drill Pad Layout
Federal Lansdale No.15-1A
Grand County, Utah

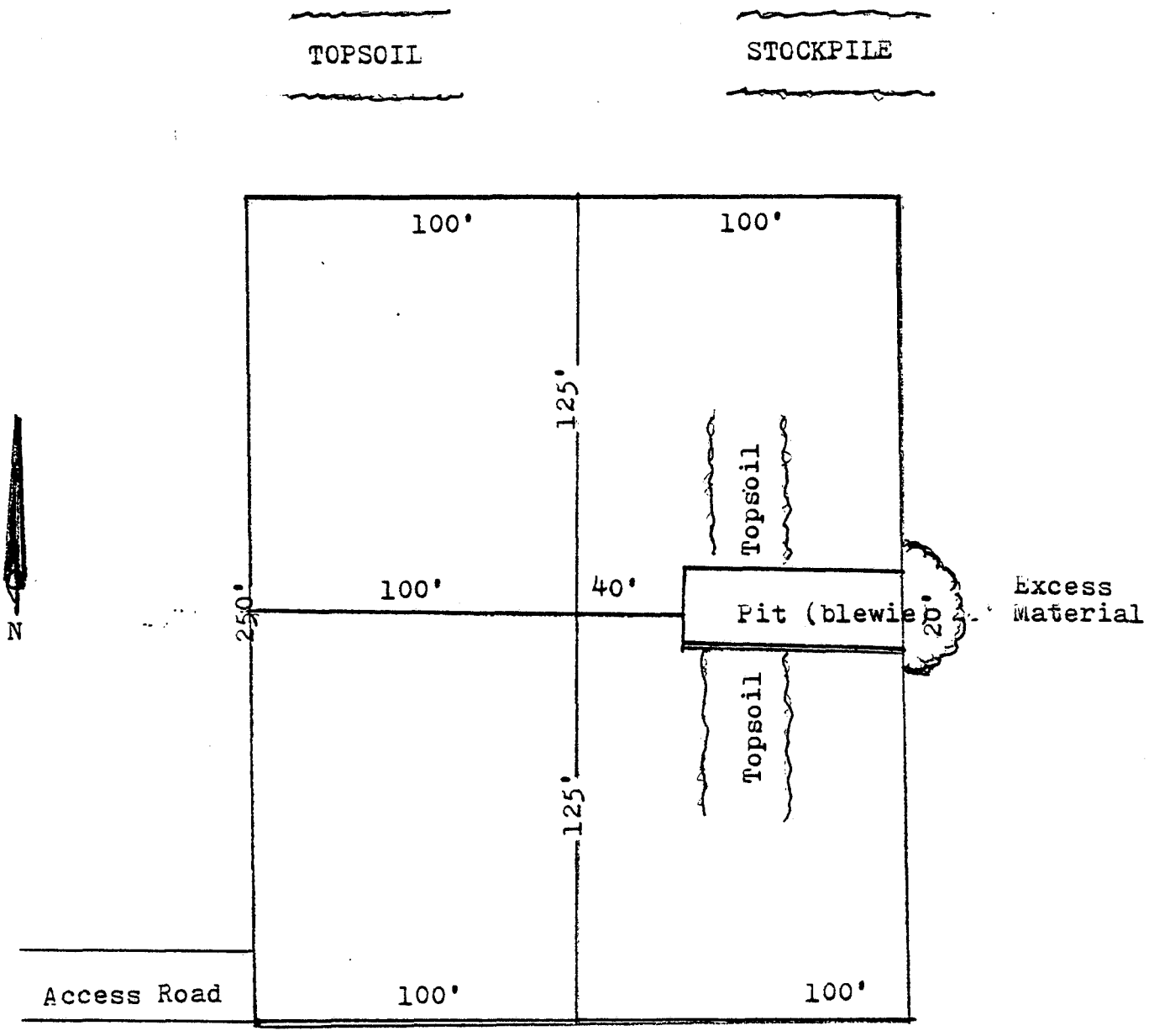


Exhibit "H"
Drill Rig Layout

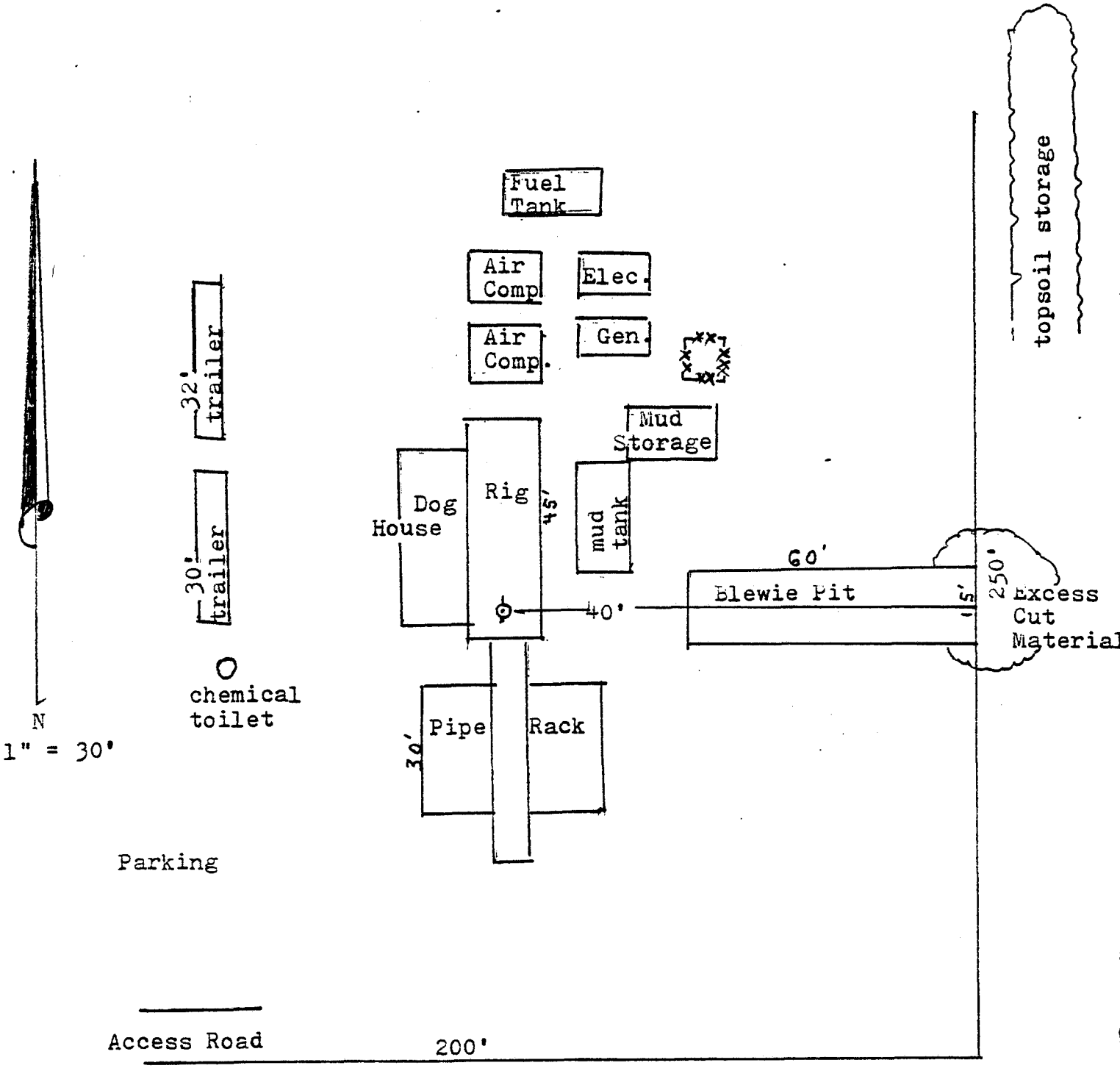
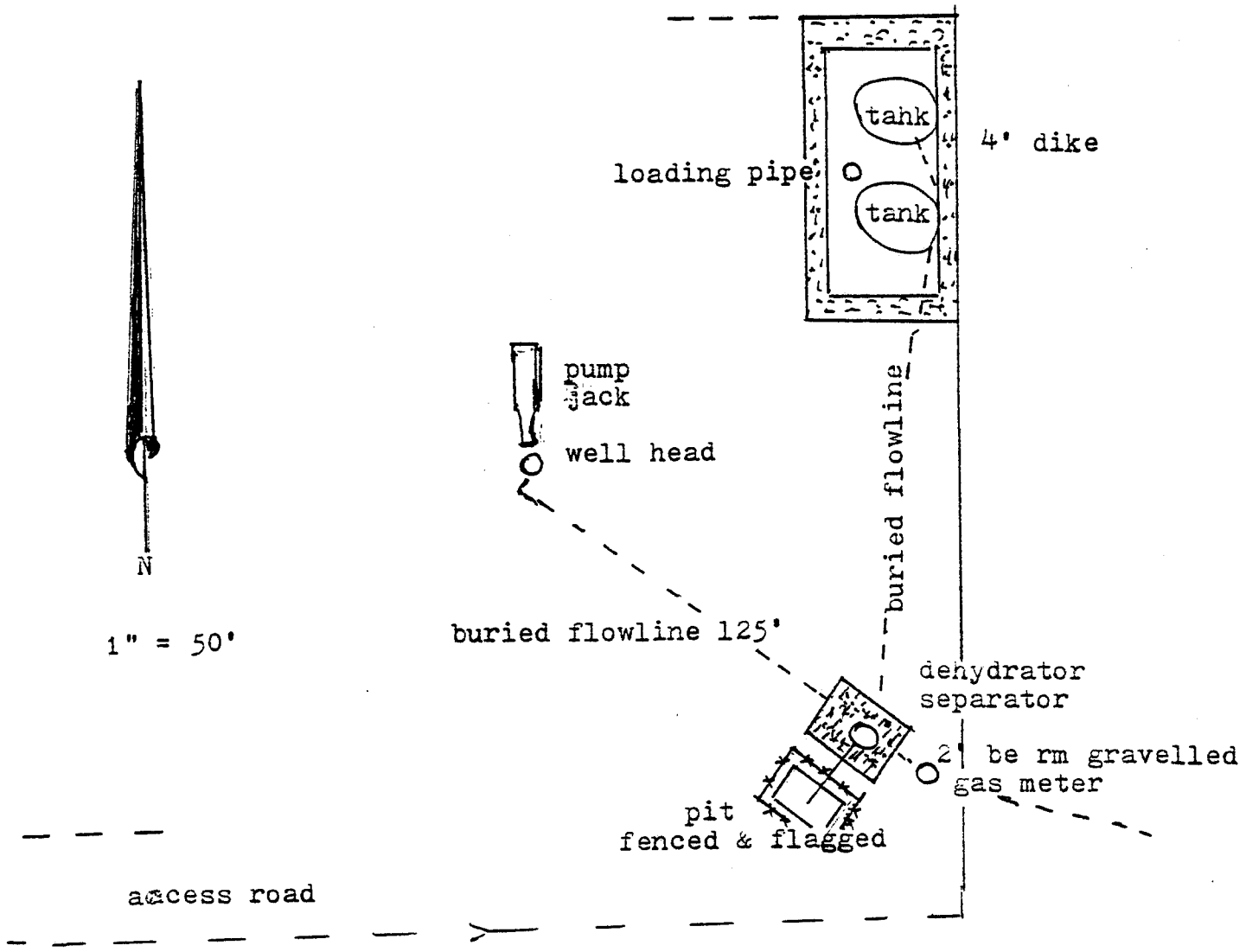


Exhibit "I"
Production Facilities



** FILE NOTATIONS **

DATE: Jan. 12, 1982

OPERATOR: Walter D. Broadhead

WELL NO: Federal Lansdale #15-1A

Location: Sec. 15 T. 20S R. 24E County: Grand

File Prepared: ☑ Entered on N.I.D: ☐

Card Indexed: ☐ Completion Sheet: ☐

API Number 43-019-30989

CHECKED BY:

Petroleum Engineer: OK Order Cause #102-42 exception to Order # 102-16B.

Director:

Administrative Aide: as Per Order Below, ok on lease ownership & boundries, no close to other Well.

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐

Order No. ~~102-16B, 8-26-75~~ 102-42 3-25-82 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 Fed. Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☑ P.I. ☑

5280' 40 acre 1320 ft

August 2, 1982

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

RE: Well No. Federal Lansdale #15-1A
Sec. 15, T. 20 S, R. 24 E
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. 102-42 dated March 25, 1982.

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

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

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 43-019-30989.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Ronald J. Firth
Chief Petroleum Engineer

RJF/as
Encl.
cc: Minerals Management Service

NOTICE OF SPUD

Company: Walt Broadhead

Caller: Same

Phone: 303 + 242-7717

Well Number: Lansdale #15-1A

Location: NW/4 NW/4 15-20S-24E

County: Grand State: Ut

Lease Number: U-38366

Lease Expiration Date: 11/30/82

Unit Name (If Applicable): N/A

Date & Time Spudded: 11 PM 11/30/82

Dry Hole Spudder/Rotary:

Details of Spud (Hole, Casing, Cement, etc.)

Spld 20' (Does not oper 24hrs/day)

Rotary Rig Name & Number:

Approximate Date Rotary Moves In:

FOLLOW WITH SUNDRY NOTICE

Call Received By: EWS

Date: 12/1/82

State O+G ✓
Vernal mms
Teresa
Diane
File

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: U-38366

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☐ OTHER Dry Hole

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Walter D. Broadhead

8. FARM OR LEASE NAME: Federal

3. ADDRESS OF OPERATOR: 1645 N. 7st Grand Junction Colo. 81501

9. WELL NO.: Fed Lansdale #1015-1A

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 500' FNL & 600' FWL Sec 15, T20S, R24ESLM

10. FIELD AND POOL, OR WILDCAT: Greater Cisco Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 15, T20S R24E SLM

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4590' G.R.

12. COUNTY OR PARISH: Grand

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☒	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Dakota 855

Morrison 955

Requested and received permission to plug 12-26-82

40 SX 600' to 800'

40 SX 900' to 1100'

10 SX at Surface with Marker

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

SIGNED Walter D Broadhead TITLE operator DATE 12-26-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Spud NOV 31 1982

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator WALTER D. BROADHEAD Representative WALTER BROADHEAD

Well No. 15-1A Located NW¼ NW¼ Sec. 15 Twp 20S Range 24E

Lease No. U-38366 Field GREATER CISCO AREA State UTAH

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

T.D. 1300 Size hole and Fill Per Sack " Mud Weight and Top 12 #/gal.

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements From	To	Sacks Cement
				REGULATION DRY HOLE MARKER @ SURFACE		
7" cc	100	SURF		150	SURFACE	150 cmt

Formation	Top	Base	Shows			
MANCOS	SURF.					
DAKOTA	855			800	600	200' cmt. plug
MORRISON	955			1100	900	200' cmt plug

Remarks

DST's, lost circulation zones, water zones, etc. 1) Pick up all trash and debris Leave site clean 2) Fill in all holes 3) Fence reserve pit until dry, Fold-in and Recontour 4) Rehabilitate location in accordence with approved surface use plan

Approved by E.W. GUYNN Date 12-26-82 Time 4:00 A.M. P.M.

cc: OPERATOR w/cond of approval
SLC OFFICE
CONTROL MER
BLM - MOAB w/ cond of approval
BLM - VERNAL

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

April 21, 1983

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

Re: Well No. Federal Lansdale # 9-1A
Sec. 9, T. 20S, R. 24E.
Grand County, Utah
(January 1983- March 1983)

Well No. Federal Lansdale # 15-1A
Sec. 15, T. 20S, R. 24E.
Grand County, Utah
(January 1983- March 1983)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

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

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 firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Well Records Specialist

CF/cf
Enclosure

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: U-38366

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☐ OTHER Dry hole

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Walter D Broadhead

8. FARM OR LEASE NAME: Federal

3. ADDRESS OF OPERATOR: 1645 N. 7th. Grand Junction Colo - 81501

9. WELL NO.: Fed Lansdale No 15-1A

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 500 FNL & 600 FWL Sec 15 T20S. R24E. SLM.

10. FIELD AND POOL, OR WILDCAT: Greater Cisco Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 15 T20S R24E SLM

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4590 Gr

12. COUNTY OR PARISH: Grand

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☒
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Dec 16-82

Set Plugs

No-1 40 SX 600 to 800

No-2 40 SX 900 to 1100

No 3 10 SX at surface with Marker

ACCEPTED
~~APPROVED~~ BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 9/13/83
BY: Original Signed by Ronald E. Firth

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

SIGNED Walter D Broadhead TITLE operator DATE Aug 25 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

FORM OGC-8-X
FILE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number Fed Lansdale 15-1A 43-019-30989.

Operator Walter D. Broadhead

Address 1645 N. 7st Grand Junction Colo. 81501

Contractor Richardson Drilling 385 Kirby Lane Grand Junction Colo 81501

Address

Location NW 1/4, NW 1/4, Sec. 15; T. 20 S; R. 24 E; Grand County

Water Sands:

	Depth: From-	To-	Volume: Flow Rate or Head-	Quality: Fresh or salty-
1.	855	870	4 to 6 Gal per min	Salty
2.				
3.				
4.				
5.				

(continue on reverse side if necessary)

Formation Tops: Dakota at 850
Morrison at 950

RECEIVED
SEP 2 1983
DIV. OF OIL, GAS & MINING

NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

Form 9-330
(Rev. 5-63)

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.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: U-3866

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Federal

2. NAME OF OPERATOR: Walter D Broadhead

9. WELL NO.: Fed Lansdale No 15-1A

3. ADDRESS OF OPERATOR: 1645 N. 7st Grand Junction Colorado 81501

10. FIELD AND POOL, OR WILDCAT: Greater Cisco Area

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 500' FNL and 600' FWL Sec. 15 T20S. R24 E
At top prod. interval reported below: NW NW
At total depth:

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec 15, T20S, R24E. SLM

14. PERMIT NO.: 43-019-30989 DATE ISSUED:

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

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, REB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
11-30-82	12-26-82	NA	4590	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
1300'			→	Rotary	

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: NO Logs Ran

27. WAS WELL CORED: NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	17	164	8 3/4	Circulate to Surface	NA

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)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

SEP 12 1983

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

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
Walter D Broadhead

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

SIGNED _____ TITLE _____ DATE _____

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

04/06/95 D E T A I L W E L L D A T A menu: opt 00

api num:	4301930989	prod zone:	sec	twnshp	range	qr-qr
entity:	99998 : PA/LA		15	20.0 S	24.0 E	NWNW

well name: FEDERAL LANSDALE #15-1A
operator: N1130 : BROADHEAD, WALTER meridian: S
field: 205 : GREATER CISCO
confidential flag: confidential expires: alt addr flag:

* * * application to drill, deepen, or plug back * * *

lease number: U-38366	lease type: 1 Fed	well type: GW	
surface loc: 0500 FNL 0600 FWL	unit name:		
prod zone loc: 0500 FNL 0600 FWL	depth: 1500	proposed zone:	
elevation: 4590' GR	apd date: 820802	auth code: 102-42	
* * completion information * *	date recd: 830912	la/pa date:	
spud date: 821130	compl date: 821226	total depth: 1300'	
producing intervals:			
bottom hole: 0500 FNL 0600 FWL	first prod:	well status: PA	
24hr oil: 24hr gas:	24hr water:	gas/oil ratio:	
* * well comments:	directionl:	api gravity:	

821226 PA'D:

opt: 21 api: 4301930989 zone: date(yymm): enty acct:

Dakota Formation 850'–

Morrison Formation 950'–

water, salty 855-870'