

Permitco

A Petroleum Permitting Company

October 6, 1984

State of Utah
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Wintershall Oil & Gas Corp.
Bullpen #10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

Gentlemen:

Wintershall Oil & Gas proposes to drill a well at the above mentioned location.

We realize that this location is a non-standard location in accordance with the spacing rules of the State of Utah. This location was picked due to topography and extensive seismic work which was done in the immediate area.

Wintershall Oil & Gas Corp. is the lease holder of the following:

T38S - R23E: Sec. 8: S/2
 Sec. 9: S/2, NE/4
 Sec. 10: A11
 Sec. 15: A11

Therefore, no other lease holders will be affected by the drilling of the above proposed well. We, therefore, request your permission to drill this well at a non-standard location.

Sincerely,

PERMITCO



Lisa L. Green
Consultant for
Wintershall Oil & Gas Corp.

RECEIVED

OCT 09 1984

DIVISION OF OIL
GAS & MINING

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

(Other instructions on reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. Lease Designation and Serial No. U-20893

6. If Indian, Allottee or Tribe Name N/A

7. Unit Agreement Name Ute Canyon Unit (Proposed)

8. Farm or Lease Name Bullpen

9. Well No. #10-43

10. Field and Pool, or Wildcat Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area Sec. 10, T38S - R23E

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 Wintershall Oil & Gas Corp. c/o PERMITCO 303/595-4051

3. Address of Operator 1020-15th Street, Suite 22-E Denver, CO 80202

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface 2420' FSL and 1280' FEL
At proposed prod. zone

12. County or Parrish San Juan 13. State Utah

14. Distance in miles and direction from nearest town or post office* 12.4 miles SE of Blanding, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 40'

16. No. of acres in lease 2080

17. No. of acres assigned to this well 40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. none

19. Proposed depth 6300'

20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.) 5372' GR

22. Approx. date work will start* October 20, 1984

23. **PROPOSED CASING AND CEMENTING PROGRAM**

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	9-5/8"	36#	2510'	1000 sx - Circulated to surface.
7-7/8"	5-1/2"	15.5#	6300'	450 sx or sufficient to cover zones of interest.

Wintershall Oil & Gas Corp. proposes to drill a well to 6300' to test the Upper Ismay, Lower Ismay and Desert Creek formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

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 [Signature] Title Consultant for Wintershall Date 10/6/84

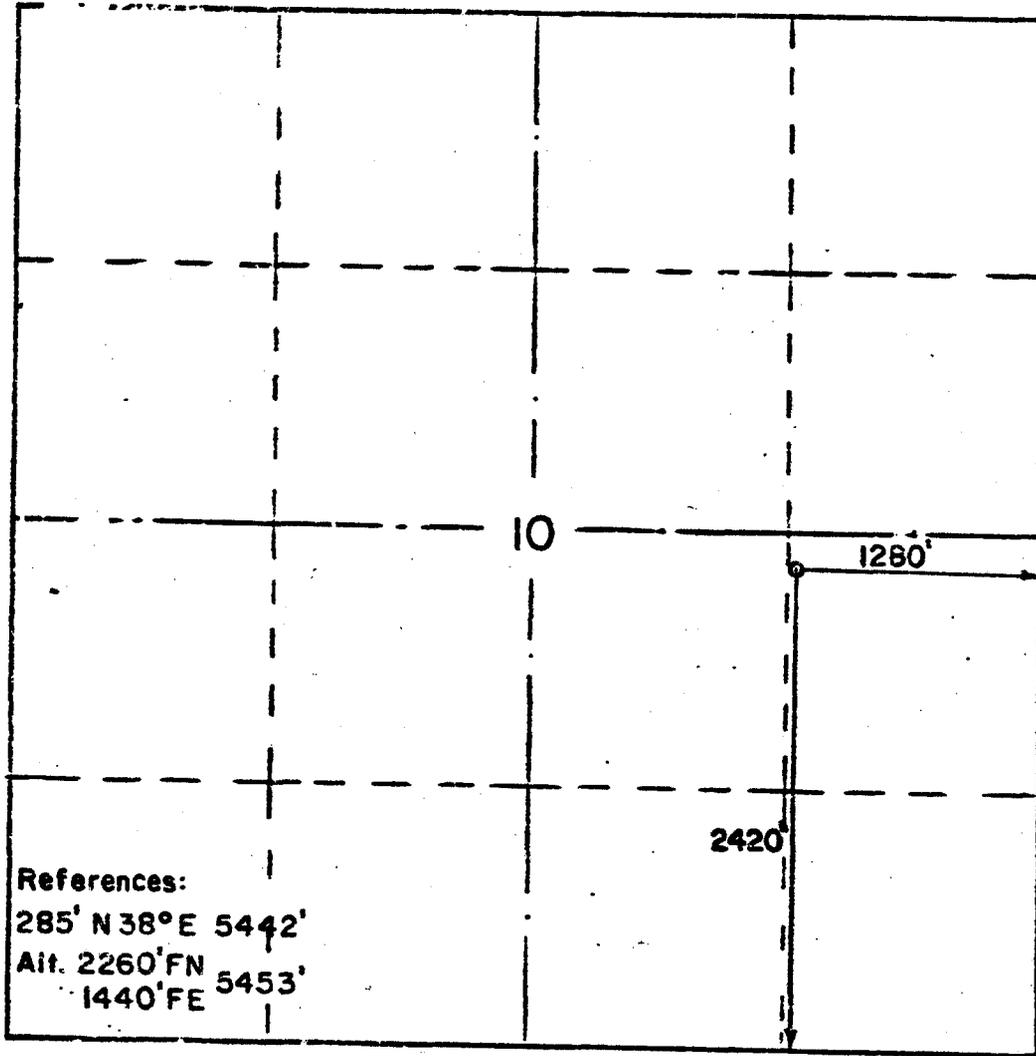
(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date

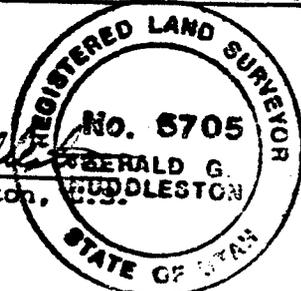
Conditions of approval, if any:

WELL LOCATION AND ACREAGE DEDICATION PLAT



References:
 285' N38°E 5442'
 Alt. 2260' FN
 1440' FE 5453'

Operator Wintershall O & G Corp		Well name Bullpen 10-43	
Section 10	Township 38 South	Range 23 East	Meridian SLM
Footages 2420' FS & 1280' FE		County/State San Juan, Utah	Elevation 5372'
Formation	Dedicated Acreage	Requested by Lisa Green	
<p>The above plat is true and correct to the best of my knowledge and belief.</p> <p>27 Sept. 84</p> <p><i>Gerald G. Huddleston</i> Gerald G. Huddleston, S.S.</p>			



ONSITE

DATE: October 4, 1984

PARTICIPANTS:

TITLES:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Your contact with the District Office is: Robert (Bob) Graff

Office Phone: 801-259-6111 Ext 216 Home Phone: 801-259-6088

City: Moab State: Utah 84532

Resource Area Manager's address and contacts are: San Juan Resource Area

Address: 480 South First West, P.O. Box 7, Monticello, Utah 84535

Your contact is: Rich McClure

Office Phone: 801-587-2201

Home Phone: 801-587-2874

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
 Wintershall Oil & Gas Corp. c/o PERMITCO 303/595-4051

3. ADDRESS OF OPERATOR
 1020-15th Street, Suite 22-E Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 2420' FSL and 1280' FEL
 At proposed prod. zone *NE/SE*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 12.4 miles SE of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 40'

16. NO. OF ACRES IN LEASE 2080

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. none

19. PROPOSED DEPTH 6300' *WJL*

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5372' GR

22. APPROX. DATE WORK WILL START* October 20, 1984

5. LEASE DESIGNATION AND SERIAL NO.
U-20893

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
Ute Canyon Unit (~~Proposed~~)

8. FARM OR LEASE NAME
Bullpen

9. WELL NO.
#10-43

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T38S - R23E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	2510'	1000 sx - Circulated to surface.
7-7/8"	5-1/2"	15.5#	6300'	450 sx - or sufficient to cover zones of interest.

Wintershall Oil & Gas Corp. proposes to drill a well to 6300' to test the Upper Ismay, Lower Ismay and Desert Creek formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 11/15/84
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.

24. SIGNED [Signature] TITLE Consultant for Wintershall DATE 10/6/84

(This space for Federal or State office use)

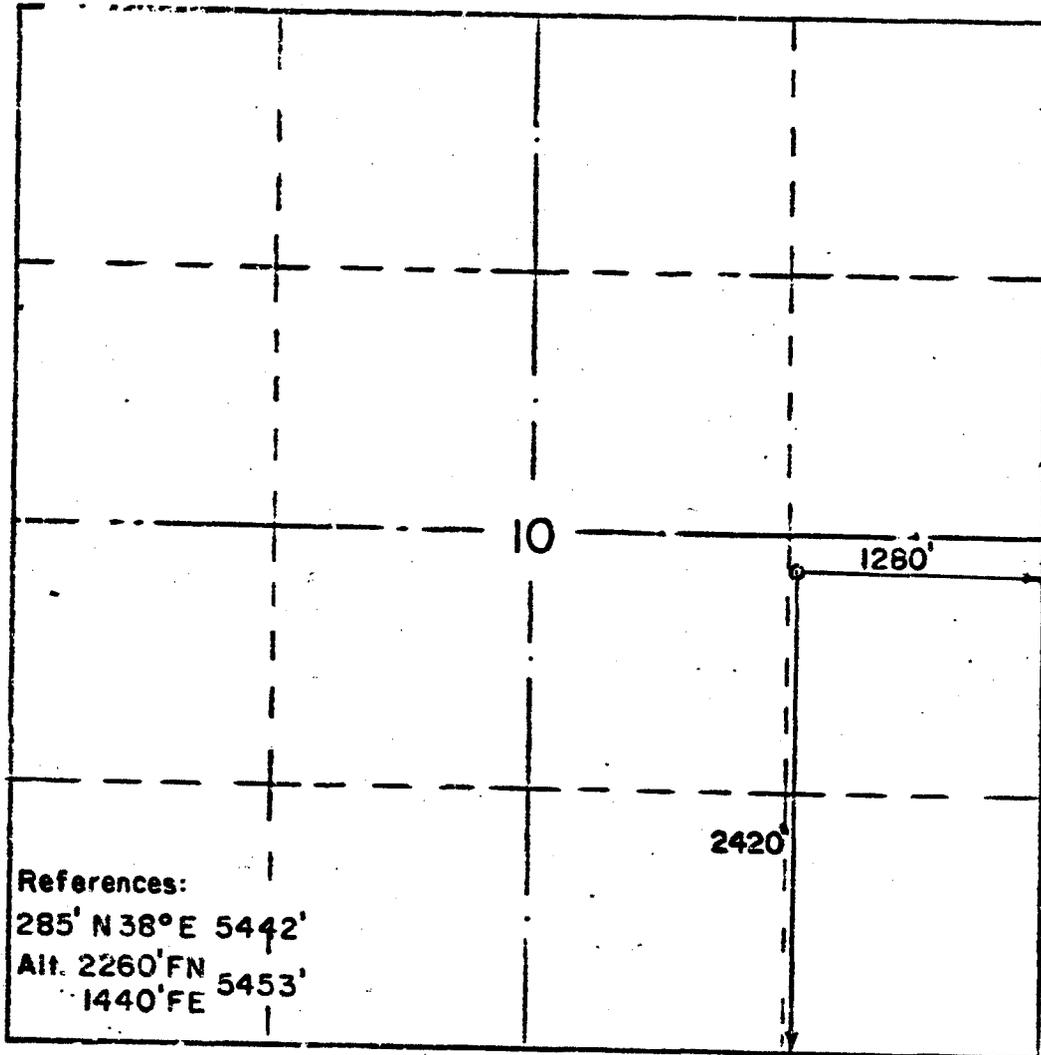
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Vertical stamp: RECEIVED BY THE DIRECTOR OF THE BUREAU OF LAND MANAGEMENT UTAH DEPARTMENT OF THE INTERIOR

WELL LOCATION AND ACREAGE DEDICATION PLAT



Operator Wintershall O & G Corp		Well name Bullpen 10-43	
Section 10	Township 38 South	Range 23 East	Meridian SLM
Footages 2420' FS & 1280' FE		County/State San Juan, Utah	Elevation 5372'
Formation	Dedicated Acreage	Requested by Lisa Green	
<p>The above plat is true and correct to the best of my knowledge and belief.</p> <p>27 Sept. 84</p> <p><i>Gerald G. Huddleston</i> Gerald G. Huddleston, S.L.S.</p>			



ONSHORE OIL & GAS ORDER NO. 1

Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

Bullpen #10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

Prepared For:

WINTERSHALL OIL & GAS CORP.

By:

PERMITCO
1020-15th Street, Suite 22E
Denver, Colorado 80202

Copies Sent To:

- 4 - BLM - Moab, Utah
- 1 - BLM - Monticello, Utah
- 1 - Division of Oil Gas & Mining - SLC, Utah
- 5 - Wintershall Oil & Gas Corp - Denver, CO

Permitco

A Petroleum Permitting Company

Wintershall Oil and Gas Corporation
5675 DTC Boulevard, Englewood, Colorado 80111



Wintershall
Oil and Gas Corporation
Englewood, Colorado

October 1, 1984

Bureau of Land Management

Re: Bullpen #10-43
Sec. 10, T38S - R23E
San Juan County, Utah

Nancy Federal #34-14
Sec. 34, T37S - R25E
San Juan County, Utah

Gentlemen:

This letter is to inform you that Permitco is authorized to act as Agent and to sign documents on behalf of Wintershall Oil and Gas Corporation when necessary for filing county, state, and federal permits including Onshore Order No. 1, R-O-W applications, etc.; for the above-mentioned well.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production, or compliance with regulations.

Wintershall Oil and Gas Corporation agrees to accept full responsibility for operations conducted in order to drill, complete, and produce the above-mentioned well.

Sincerely yours,

A handwritten signature in cursive script that reads "David P. Howell".

David P. Howell
Operations Manager

DPH:ram

ONSHORE ORDER NO.
Wintershall Oil & Gas Corp.
Bullpen 10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

1. The surface formation and estimated formation tops to be encountered are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Dakota	Surface	
Entrada	1000'	+4372'
Navajo	1240'	+4132'
Chinle	2460'	+2912'
Cutler/DeChelly	3150'	+2222'
Honaker Trail	4780'	+ 592'
Upper Ismay	5975'	- 603'
Lower Ismay	6090'	- 718'
Desert Creek	6180'	- 808'
Akah/T.D.	6300'	- 928'

2. The estimated depths at which oil, gas, water or other mineral bearing zones are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Anticipated Depth</u>
Oil/Gas	Upper Ismay	5975'
Oil/Gas	Lower Ismay	6090'
Oil/Gas	Desert Creek	6180'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure control equipment will consist of a 10", 3000# BOP. (See BOP Diagram attached.)

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ONSHORE ORDER NO.
Wintershall Oil & Gas Corp.
Bullpen 10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

DRILLING PROGRAM

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

4. a. Casing

The proposed casing program is as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Wt.</u>	<u>Grade</u>	<u>Type</u>	<u>New or Used</u>
Conductor	0-54'	17-1/2"	13-3/8"	54#			
Surface	0-2510'	12-1/4"	9-5/8"	36#	J-55	ST&C	New
Produc.	0-6300'	7-7/8"	5-1/2"	15.5#	J-55	ST&C	New

b. Cement

The cementing program will be as follows:

<u>Conductor</u>	<u>Type and Amount</u>
0-54'	75 sx - circulated to surface.
<u>Surface</u>	<u>Type and Amount</u>
0-2510'	900 sx Lite, Tail in with 100 sx Class B. Cement will be circulated to surface.
<u>Production</u>	<u>Type and Amount</u>
T.D. - 4800'	250 sx low water loss Class "B" Cement
2900-3400'	200 sx low water loss Class "B" Cement

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San Juan County, Utah

DRILLING PROGRAM

c. Auxiliary Equipment will be as follows:

1. Kelly cock.
2. Float above the bit.
3. A sub with a full opening valve will be on the floor when the kelly is not in use.
4. Monitoring of the system will be done visually.

5. Drilling fluid will be as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>	<u>PH</u>
0-1650'	Gel Water	8.7-8.8	30	N/C	N/C
1650-5000'	Gel Chemical	9.0-9.5	40	10	10+
5000-T.D.	Gel Chemical	10-14	40-45	8-10	10+

6. Coring, logging and testing programs are as follows:

- a. Two 60' cores will be run in the Upper Ismay and Desert Creek.
- b. The logging program will consist of a DIL SFL, GR SP; BHC Sonic GR Caliper from Surface to T.D. and a CHL Litho Density GR Caliper and Dipmeter and Velocity Survey from 4000' to T.D.
- c. Drill stem tests will be run in the Upper Ismay and Desert Creek at drilling breaks or shows.

Whether the well is completed as a dry hole or as a producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the District Manager.

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ONSHORE ORDER NO.
Wintershall Oil & Gas Corp.
Bullpen 10-43
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Sec. 10, T38S - R23E
San Juan County, Utah

DRILLING PROGRAM

7. Abnormal conditions, bottom hole pressures and potential hazards.
 - a. The maximum bottom hole pressure to be expected is 3500 psi.
 - b. Wintershall Oil & Gas Corp. plans to spud the Bullpen #10-43 on October 20, 1984 and intends to complete the well within approximately one month after the well has reached T.D.
 - c. The operator will contact the San Juan Resource Area at 801/587-2201, 48 hours prior to beginning any dirt work on this location.
 - d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.
 - e. The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours of spudding, reporting the spud date and time. The Sundry will be sent to the District Manager.
 - f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the Moab BLM District Office, P. O. Box 970, Moab, Utah 84532.
 - g. If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig.

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ONSHORE ORDER NO.
Wintershall Oil & Gas Corp.
Bullpen 10-43
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San Juan County, Utah

DRILLING PROGRAM

- h. If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, no later than the first business day following the date on which the well is placed on production.
- i. No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Manager. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.
- j. Final abandonment will not be approved until surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager or his representative, or the appropriate Surface Managing Agency.
- k. A first production conference will be scheduled within 15 days after receipt of the first production notice. The operator will schedule the conference with the San Juan Area Manager.

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A Petroleum Permitting Company

WELL NAME: _____

LOCATION : _____

9-5/8"
Drilling Nipple / "

7 "Circulating Line

B.O.P. Bld Rams 10 "x 3000 W.P.

B.O.P. D.P. Rams 10 "x 3000 W.P.

Not Required

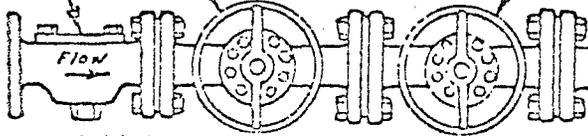
Hyd. Valve - " - - W.P. (Omit)

Check Valve 2 "x 3000 W.P.

Valve 2 " 3000 W.P.

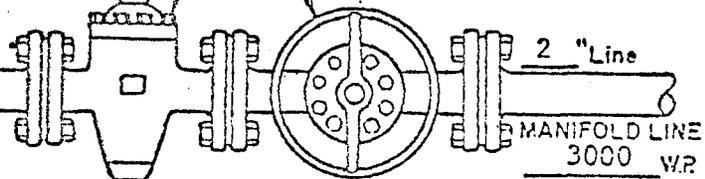
Valve 2 " 3000 W.P.

Valve 2 " 3000 W.P.



KILL LINE MANIFOLD

Spool 10 "x 3000 W.P.



2 "Line
MANIFOLD LINE
3000 W.P.

(See Exhibit "B")

Ground Level

WELL HEAD B.O.P.
3000 W.P.

Hydraulic

ONSHORE ORDER NO. 1
Wintershall Oil & Gas Corp.
Bullpen 10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

SURFACE USE PLAN

ONSHORE OIL & GAS ORDER NO. 1

Thirteen Point Surface Use Plan

1. Existing Roads

- a. The proposed well site is located 12.4 miles southeast of Blanding, Utah.
- b. Directions to the location from Blanding are as follows:

Go south on Highway 47 for 1.5 miles. Turn east onto gravel road and go 1.2 miles. Turn right and follow the road southwesterly for approximately 7 miles to a fork in the road. Turn south and go approximately 2.1 miles to another fork in the road. Stay left and continue approximately 0.6 miles. The location sits directly to the west of the road, down off the ridge.
- c. For location of access roads within a 2-mile radius, see Maps #1 and #2..
- d. Improvement to the existing access will not be necessary and will be limited to the total existing disturbed width. The maximum total disturbed width will be 20 feet.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. An encroachment permit will be obtained from the San Juan County Road Department, 801/587-2231, ext. 43.

2. Planned Access Roads

- a. The maximum total disturbed width will be 26 feet. Initially the road will be flatbladed only and will have a running surface of approximately 20 feet.
- b. The maximum grade will be 8%.

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San Juan County, Utah

SURFACE USE PLAN

2. Planned Access Roads (cont.)
 - c. No turnouts are planned.
 - d. The access road was centerline flagged at the time of staking.
 - e. Drainage will be installed as deemed necessary by the dirt contractor.
 - f. No gates, cattleguards or fence cuts will be necessary.
 - g. 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.
 - h. The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drilling rig. If this time frame cannot be met, the San Juan Area Manager will be notified so that temporary drainage control can be installed along the access road.
 - i. No culverts will be necessary at this time.
 - l. Surfacing material may be necessary on the access road and location due to an extream amount of natural bentonite in the area.
3. Location of Existing Wells Within a 1-Mile Radius of the Proposed Location. (See Map #3).
 - a. Water Wells - one
 - b. Injection or disposal wells - none
 - c. Producing Wells - none
 - d. Drilling Wells - none

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San Juan County, Utah

SURFACE USE PLAN

4. Location of Tank Batteries and Production Facilities.
- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The color to be used is an earthtone color to blend in with the surrounding area.
 - b. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
 - c. Tank batteries will be placed as shown on Diagram #1. The pumping unit and workover pad are shown on Diagram #2.
 - d. All loading lines will be placed inside the berm surrounding the tank battery.
 - e. Any necessary pits will be properly fenced to prevent any wildlife entry. The production pit will be flagged overhead.
 - f. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
 - g. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
 - h. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
 - i. 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 will be housed and/or fenced.

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SURFACE USE PLAN

4. Location of Existing and/or Proposed Facilities (cont.)

- j. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Moab District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply

- a. All water needed for drilling purposes will be obtained from a private source which is located in Sec. 1, T37S - R22E. Directions to the water source are shown on Map #1.
- b. Water will be trucked to location over the roads marked on Map #1.
- c. No water well is to be drilled on this lease.
- d. Use of water for this operation will be approved by obtaining a temporary use permit from the Utah State Engineer, 801/637-1303, and by receiving permission from the land owner of surface management agency to use the land containing the water source.

6. Source of Construction Material

- a. Road surfacing and pad construction material will be obtained from a commercial source.
- b. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.

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San Juan County, Utah

SURFACE USE PLAN

7. Methods of Handling Waste Disposal

- a. The reserve pit will be lined at the discretion of the dirt contractor with commercial bentonite sufficient to prevent seepage. At least half of the capacity will be in cut.
- b. Three sides of the reserve pit will be fenced with four strands of barbed wire 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.
- c. A trash pit will be constructed near the mud tanks and dug at least six feet into solid, undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free.
- d. Produced waste water will be confined to a unlined pit for a period not to exceed 90 days after initial production. During the 90-day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

8. Ancillary Facilities

- a. There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. See Diagram #3 for rig layout. See Diagram #4 for cross section of drill pad. See Diagram #5 for cuts and fills.
- b. The location of mud tanks; reserve, burn and trash pits; pipe racks; living facilities and soil stockpiles will be shown on Diagrams #3 and #5. The location will be laid out and constructed as discussed during the predrill conference.

Permitco

A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Wintershall Oil & Gas Corp.
Bullpen 10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

SURFACE USE PLAN

9. Wellsite Layout (cont.)

- c. The top 4 to 6 inches or maximum amount of soil material will be removed from the location and stockpiled separate from the trees on the southwest side. Topsoil along the access will be reserved in place.
- d. Access to the well pad will be from the north.

10. Reclamation

- a. Immediately upon completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.
- b. The operator or his contractor will contact the San Juan Resource Area office in Monticello, Utah (801/587-2201) 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12 inches deep with the contour.
- f. Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 Feet
2-4%	Every 100 Feet
4-5%	Every 75 Feet
5+%	Every 50 Feet

Permitco

A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Wintershall Oil & Gas Corp.
Bullpen 10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

SURFACE USE PLAN

10. Plans for Restoration of Surface (cont.)

- g. Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.

2 lbs/acre Indian Ricegrass (*Oryzopsis Hymehoides*)
2 lbs/acre Western Wheatgrass (*Agropyron Smithii*)
1 lbs/acre Fourwing Saltbush (*Atriplex Canenscens*)
1 lbs/acre Cliffrose (*Cowania Mexicana*)
1/2 lb/acre Yellow Sweetclover

- h. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.

- i. The reserve pit and that portion of the location and access road not needed for production and production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

11. a. Surface Ownership

Bureau of Land Management

b. Mineral Ownership

Federal

12. Other Information

- a. There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.
- b. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

Permitco

A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Wintershall Oil & Gas Corp.
Bullpen 10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

SURFACE USE PLAN

12. Other Information (cont.)

- c. The dirt contractor will be provided with an approved copy of the surface use plan.
- d. If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator that they are subject to prosecution for disturbing archeological sites or picking up artifacts. Salvage or excavation of identified archeological sites will be done by a BLM approved archeologist only if damage occurs.
- e. This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.
- f. An archeological study was performed by LaPlata Archaeological Consultants. No significant cultural resources were found and clearance is recommended. This report will be submitted directly by LaPlata Archaeological Consultants.

13. Lessee's or Operator's Representative and Certification

Permit Matters

Permitco
Lisa L. Green
1020-15th Street
Suite 22-E
Denver, Co. 80202
303/595-4051

Drilling & Completion Matters

Wintershall Oil & Gas Corp.
5675 South Tamarac Parkway
Suite 200
Englewood, CO 80112
David Howell
303/694-0988 (W)
303/423-1025 (H)

Permitco

A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Wintershall Oil & Gas Corp.
Bullpen 10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

SURFACE USE PLAN

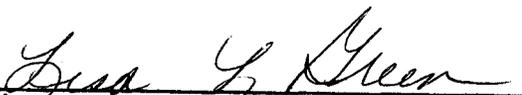
13. Operator or Lessee's Certification (cont.)

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 Wintershall Oil & Gas Corp. and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10/6/84
Date: _____



Lisa L. Green - PERMITCO
Authorized Agent for:
WINTERSHALL OIL & GAS CORP.

Permitco

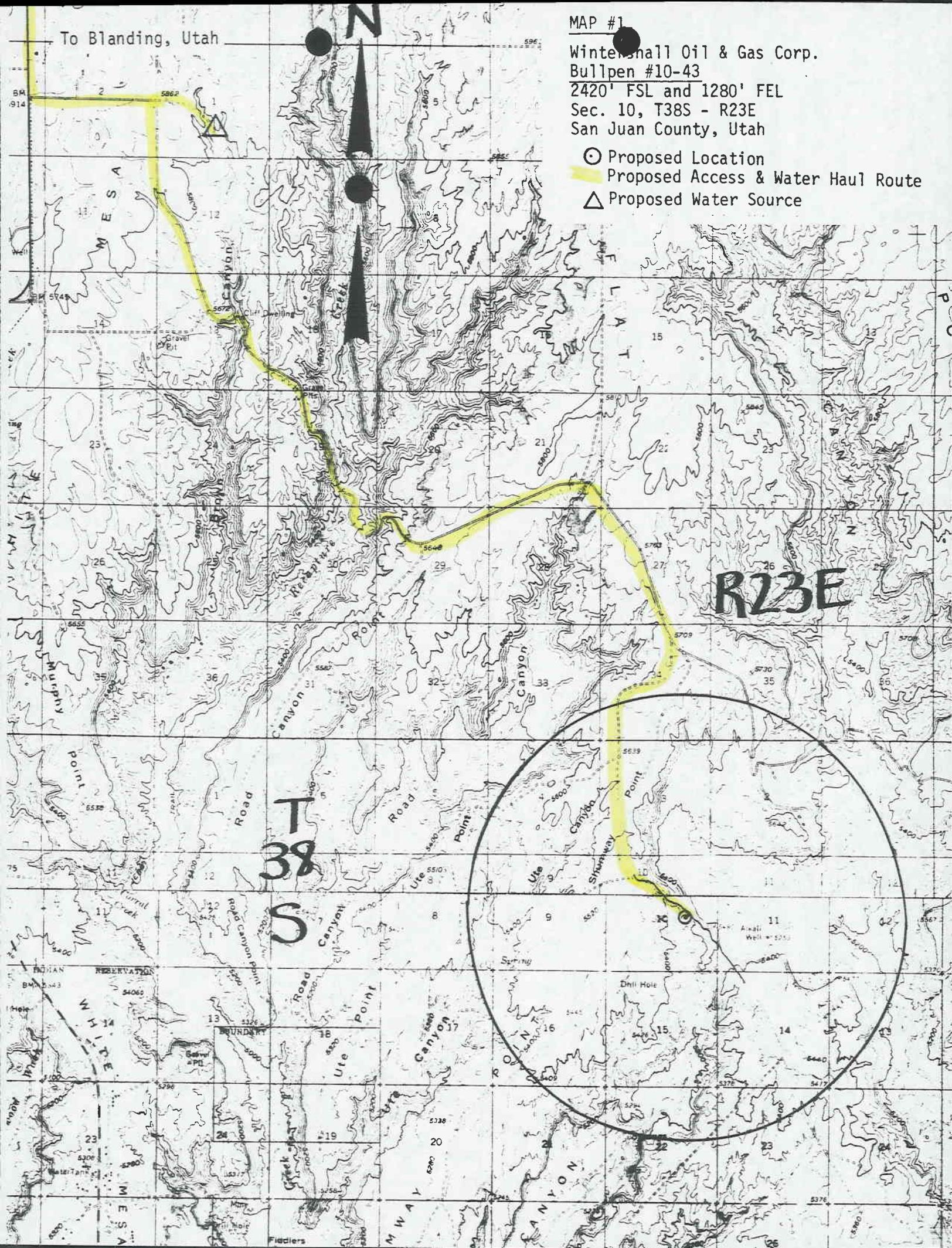
A Petroleum Permitting Company

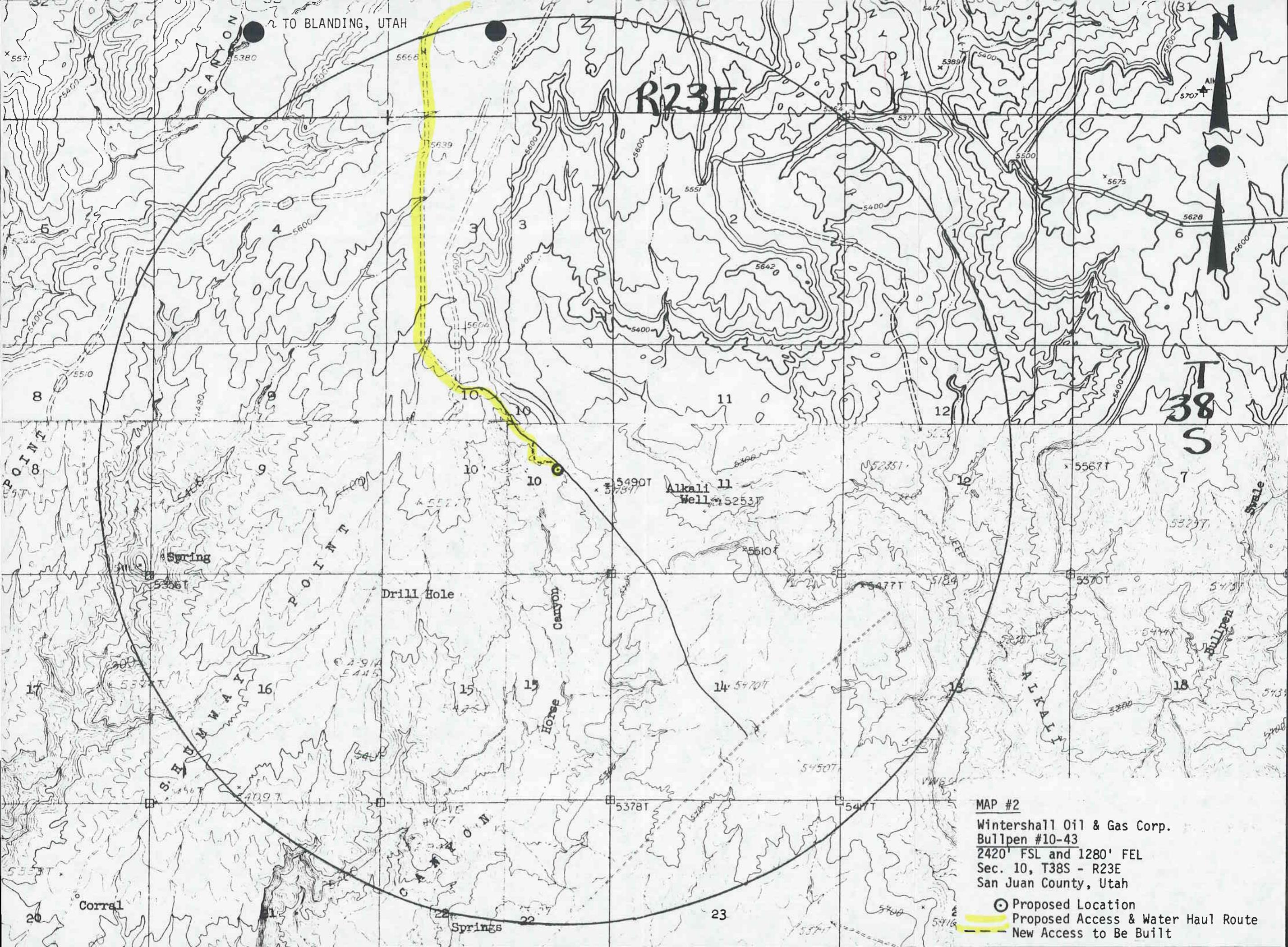
To Blanding, Utah

MAP #1

Wintershall Oil & Gas Corp.
Bullpen #10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

- Proposed Location
- Proposed Access & Water Haul Route
- △ Proposed Water Source





TO BLANDING, UTAH

R23E

T
38
S

Alkali 11
Well

Drill Hole

Horse
Canyon

MAP #2
 Wintershall Oil & Gas Corp.
 Bullpen #10-43
 2420' FSL and 1280' FEL
 Sec. 10, T38S - R23E
 San Juan County, Utah

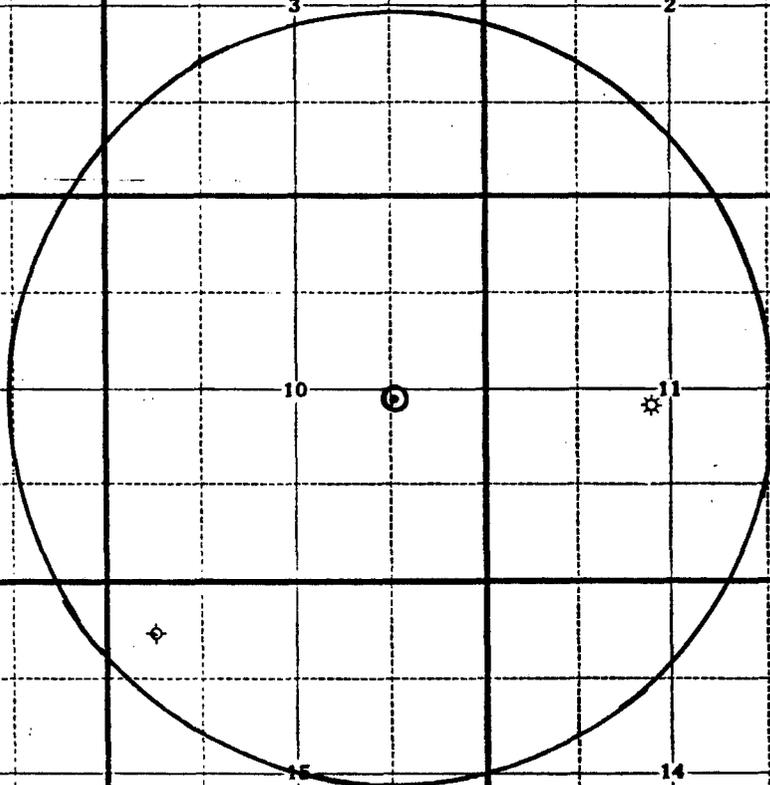
 Proposed Location
 Proposed Access & Water Haul Route
 New Access to Be Built

Corral

Springs

R23E

N



T
38
5

Map #3
Wintershall Oil & Gas Corp.
Bull Pen #10-43
2420' FSL, 1280' FEL
Sec. 10, T38S-R23E
San Juan County, Utah
● Proposed Location
* Water Well
◇ Abandoned Location

DIAGRAM #1

Wintershall Oil & Gas Corp.
Bullpen #10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

To Blanding, Utah



Scale: 1" = 50'

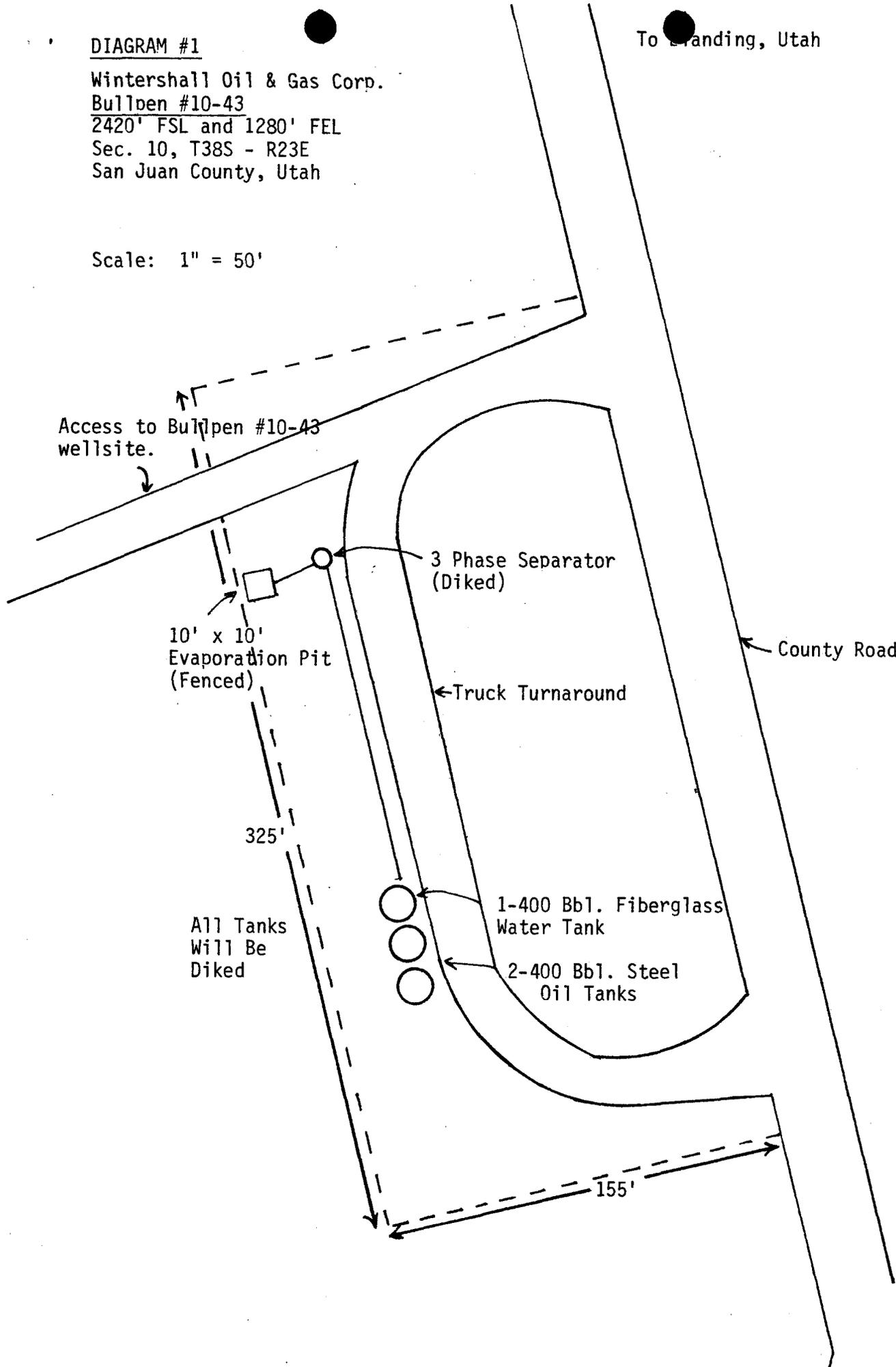


DIAGRAM #2

Wintershall Oil & Gas Corp.

Bullpen #10-43

2420' FSL and 1280' FEL

Sec. 10, T38S - R23E

San Juan County, Utah

Scale: 1" = 50'

△ Deadmen

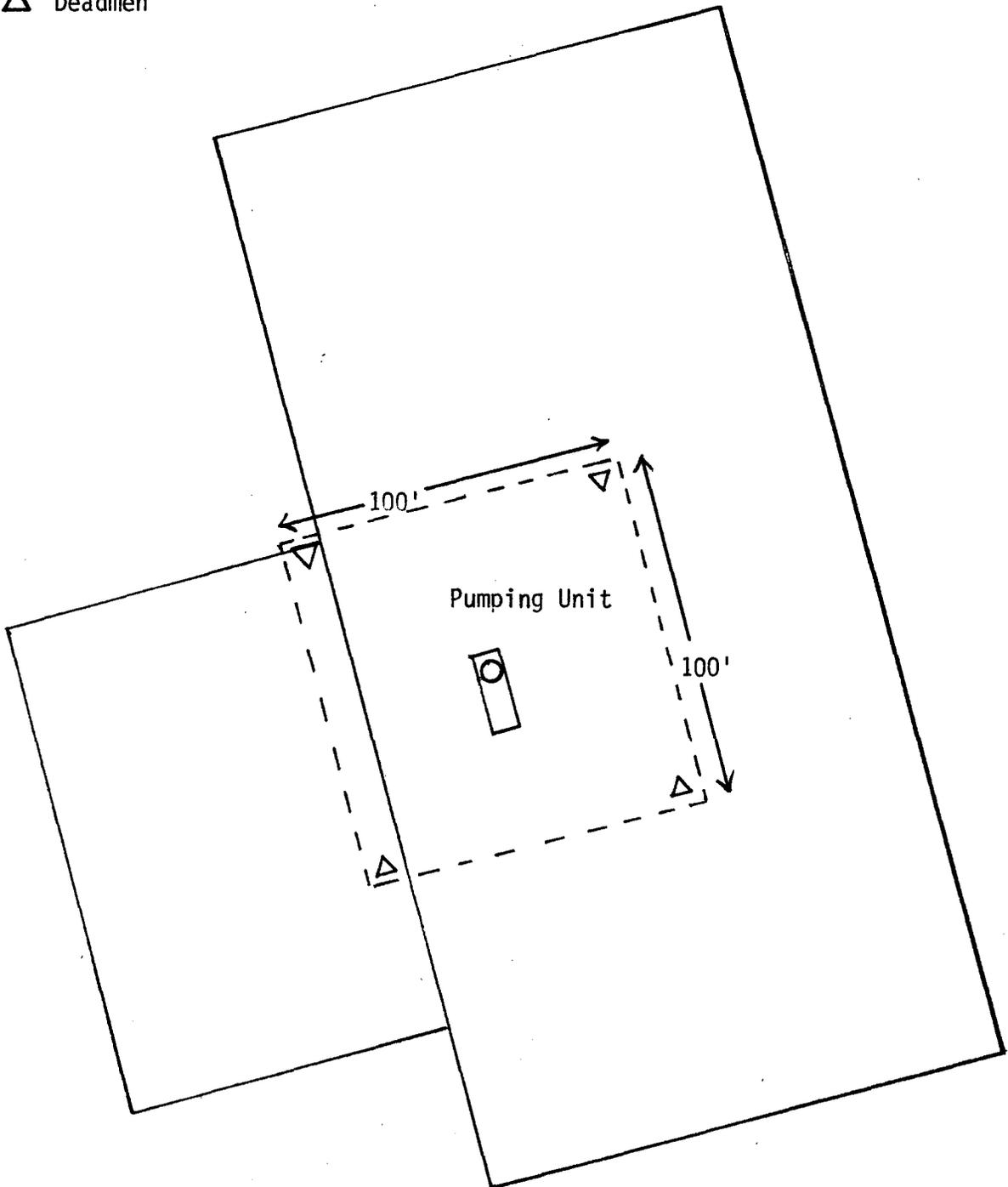
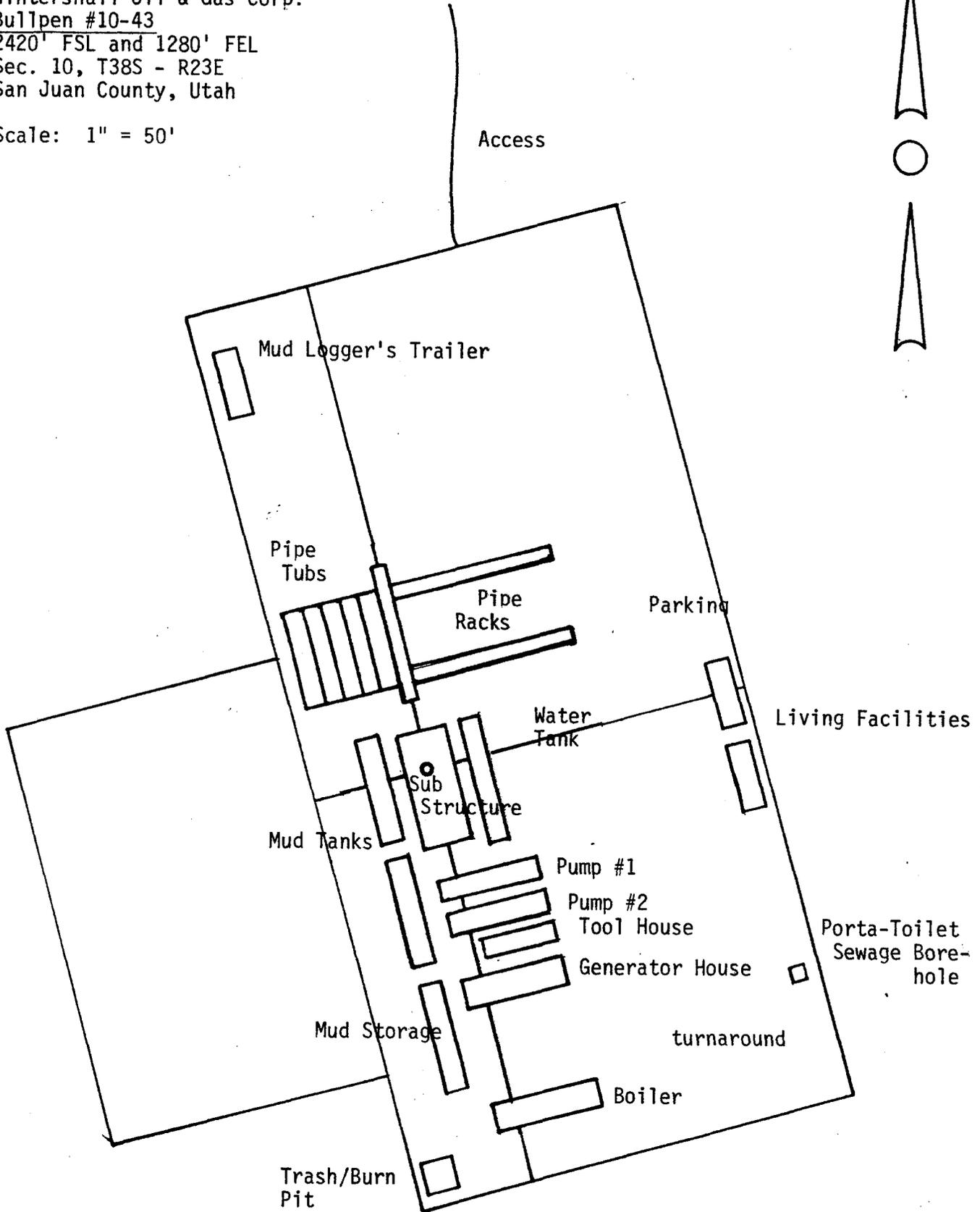


DIAGRAM #3
Rig Layout

Wintershall Oil & Gas Corp.
Bullpen #10-43
2420' FSL and 1280' FEL
Sec. 10, T38S - R23E
San Juan County, Utah

Scale: 1" = 50'



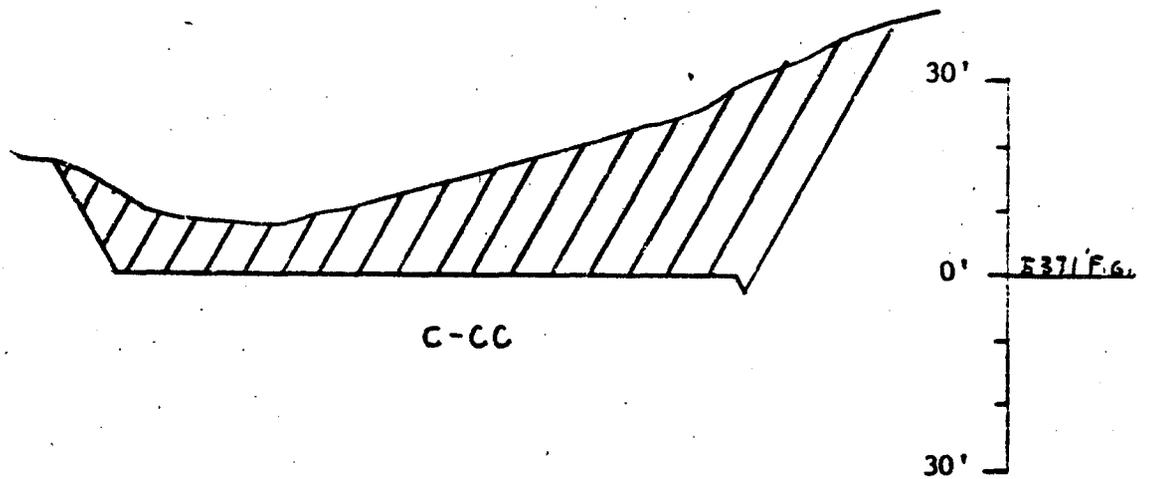
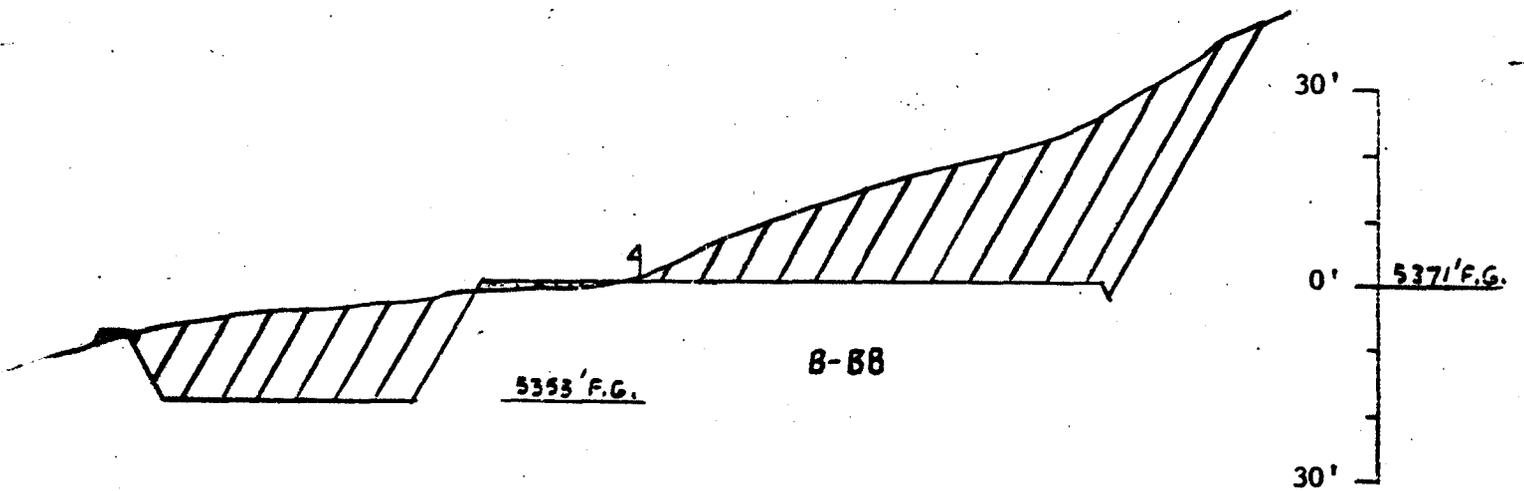
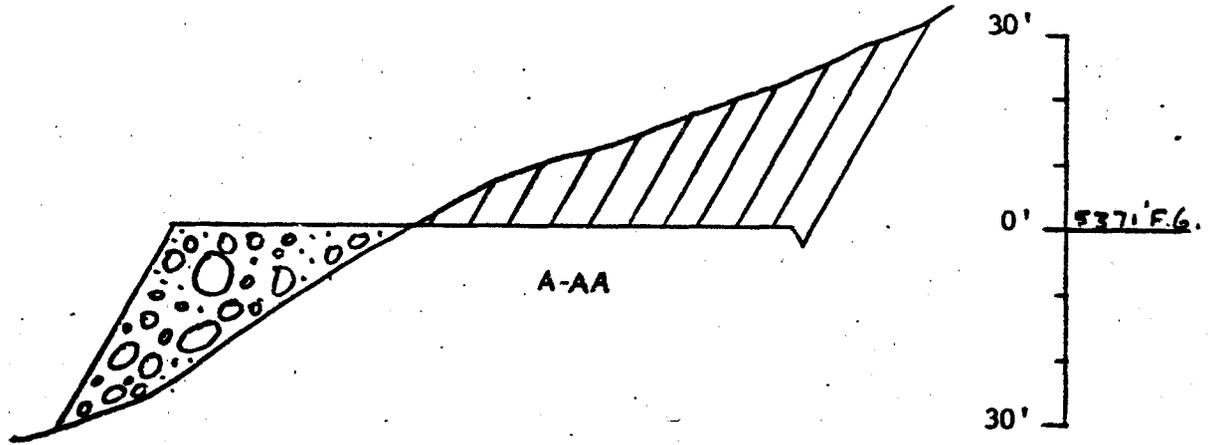
WELL PAD CROSS-SECTION

Well Bullpen 10-43

Cut **/////**
Fill

Scales: 1"=50' H.
1"=30' V.

1.7 Vertical Exaggeration



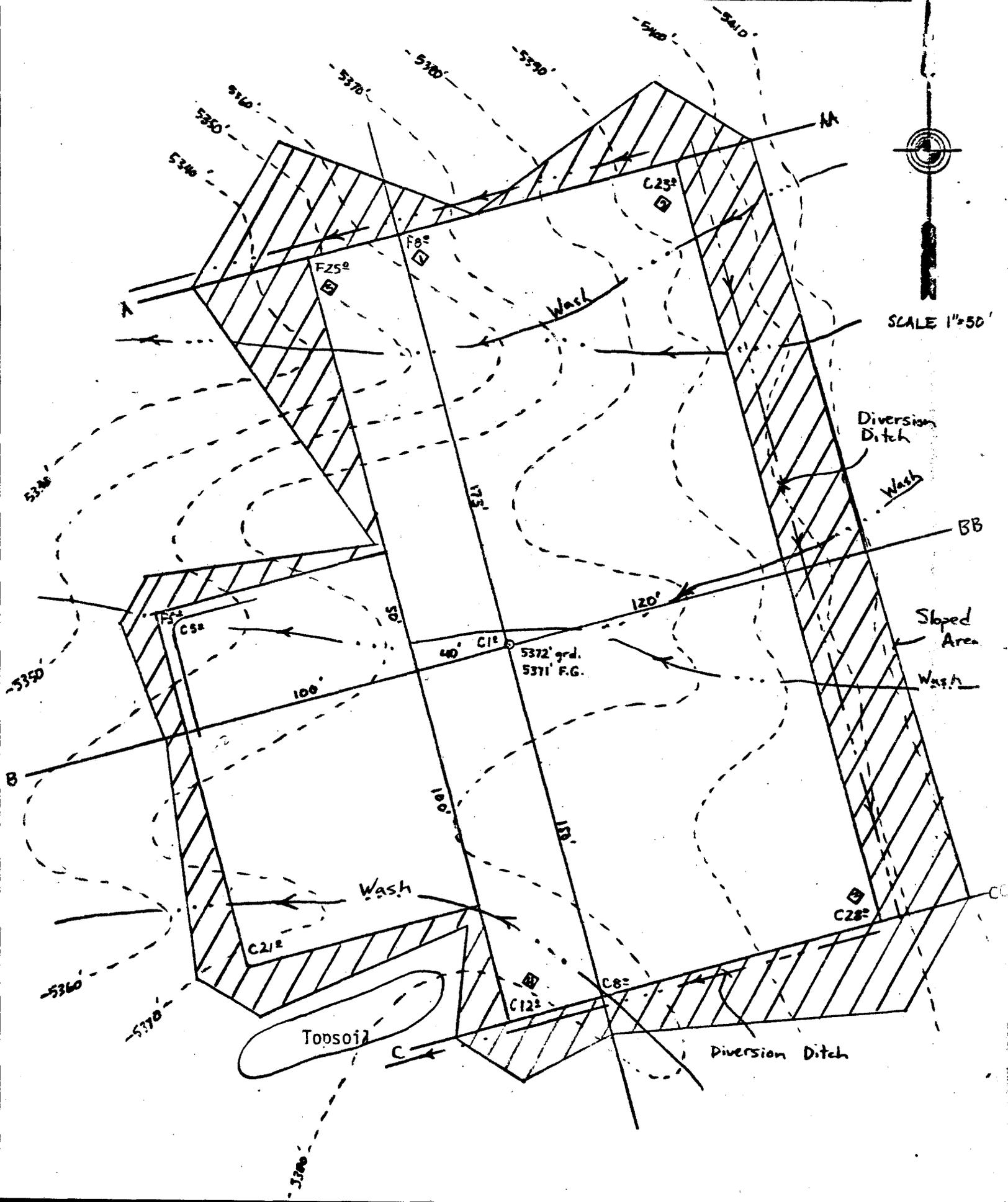
WELL PAD PLAN VIEW

Cut and Fill Diagram

Well Bullpen 10-43



SCALE 1"=50'



OPERATOR Wintershall Oil & Gas Corp DATE 10-12-84

WELL NAME Bullpen #10-43

SEC NESE 10 T 38S R 23E COUNTY San Juan

43-037-31098
API NUMBER

Fid
TYPE OF LEASE

POSTING CHECK OFF:

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

PROCESSING COMMENTS:

Unit approval 11/5/84 per BLM
Need water permit

APPROVAL LETTER:

SPACING: A-3 Ute Canyon UNIT c-3-a _____ CAUSE NO. & DATE

c-3-b c-3-c

SPECIAL LANGUAGE:

1- Water

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

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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

November 5, 1984

Wintershall Oil & Gas Corporation
c/o Permitco
1020 - 15th Street, Suite 22-E
Denver, Colorado 80202

Gentlemen:

Re: Well No. Bullpen #10-43 - NE SE Sec. 10, T. 38S, R. 23E
2420' FSL, 1280' FEL - San Juan County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

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

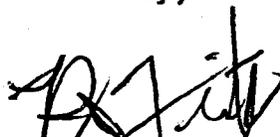
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Wintershall Oil & Gas Corporation
Well No. Bullpen #10-43
November 5, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31098.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

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

2. NAME OF OPERATOR
Wintershall Oil and Gas Corporation

3. ADDRESS OF OPERATOR 80111
5675 DTC Blvd., Ste. 200, Englewood, CO

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2420' FSL & 1280' FEL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

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 type="checkbox"/>
(other) Well Name Change	

5. LEASE
U-20893

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
None

7. UNIT AGREEMENT NAME
Ute Canyon Unit (Proposed)

8. FARM OR LEASE NAME
Bullpen

9. WELL NO.
#10-43

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T38S-R23E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5372' GL

(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.)*

Change name of well from Bullpen to Ute Canyon Unit.

RECEIVED

NOV 05 1984

DIVISION OF OIL
GAS & MINING

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

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

SIGNED Kim Lucha TITLE Operations Engineer DATE 11/1/84

(This space for Federal or State office use)

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

cc: Utah OGMD ✓

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
 Wintershall Oil & Gas Corp. c/o PERMITCO 303/595-4051

3. ADDRESS OF OPERATOR
 1020-15th Street, Suite 22-E Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 2420' FSL and 1280' FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 12.4 miles SE of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 40'

16. NO. OF ACRES IN LEASE 2080

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. none

19. PROPOSED DEPTH 6300'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5372' GR

22. APPROX. DATE WORK WILL START* October 20, 1984

5. LEASE DESIGNATION AND SERIAL NO.
 U-20893 U-55625

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 Ute Canyon Unit (Proposed) APPROVED

8. FARM OR LEASE NAME
 Bullpen

9. WELL NO.
 #10-43

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 10, T38S - R23E

12. COUNTY OR PARISH San Juan

13. STATE Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	2510'	1000 sx - Circulated to surface.
7-7/8"	5-1/2"	15.5#	6300'	450 sx - or sufficient to cover zones of interest.

Wintershall Oil & Gas Corp. proposes to drill a well to 6300' to test the Upper Ismay, Lower Ismay and Desert Creek formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

RECEIVED

NOV 09 1984

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 *Disa L. Green* TITLE Consultant for Wintershall DATE 10/6/84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Kenneth V. Rhea

APPROVED BY _____ TITLE **Acting DISTRICT MANAGER** DATE 06 NOV 1984

CONDITIONS OF APPROVAL, IF ANY:

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

CONDITIONS OF APPROVAL ATTACHED

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

2. NAME OF OPERATOR
Wintershall Oil and Gas Corporation

3. ADDRESS OF OPERATOR
5675 DTC Blvd, Ste 200, Englewood, CO 80111

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2420' FSL & 1280' FEL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. CASE
U-20893

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
None

7. UNIT AGREEMENT NAME
Ute Canyon Unit

8. FARM OR LEASE NAME
Ute Canyon Unit

9. WELL NO.
#10-43

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T38S-R23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-31098

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5372' GL; 5386' KB

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT:	
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 type="checkbox"/>
(other) Well Status	<input type="checkbox"/>		<input checked="" type="checkbox"/>

RECEIVED
NOV 23 1984

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

DIVISION OF
OIL, GAS & MINING

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.)*

Spudded well at 2:30 a.m., 11/16/84.

Ran 2 jts, 13-3/8", 54.5# casing and set at 94'. Cemented with 100 sxs Class B. Circ 20 sxs cement to surface.

Ran 67 jts, 9-5/8", 36#, surface casing and set at 2324'. Cemented with 800 sxs 65/35 Poz and tailed in with 200 sxs Class B. Circ 150 sxs to surface.

Current Operation: Depth 2329', waiting on cement.

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

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

SIGNED Glin Sachs TITLE Operations Engineer DATE 11/19/84

(This space for Federal or State office use)

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

cc: Utah OGMD ✓

CEMENTING SERVICE REPORT

DOWELL DIVISION OF DOW CHEMICALS
AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

TREATMENT NUMBER 15-69-2420 DATE 11-26-84
WELL NAME AND NO. COATEZ CO.

WELL NAME AND NO. UTE PAD 400 UNIT # 10-43
FIELD-POOL WILD CAT
LOCATION (LEGAL) SEC 10 T 38 S R 33 E
FORMATION DESERT CREEK
COUNTY/PARISH SAN JUAN
STATE UTAH
API. NO.

RIG NAME: COLEMAN RIG 3
WELL DATA: BOTTOM TOP
BIT SIZE 7 7/8 CSG/Liner Size 9 5/8
TOTAL DEPTH WEIGHT 36
 ROT CABLE FOOTAGE 2324
MUD TYPE GRADE K55
 BHST BHCT THREAD 3RD
MUD DENSITY 9.3 LESS FOOTAGE SHOE JOINT(S)
MUD VISC. 34 Disp. Capacity
NOTE: Include Footage From Ground Level To Head In Disp. Capacity

NAME WINTERS HALL OIL + GAS
AND SUITE 200
ADDRESS 5675 DTC BLVD
EDGEWOOD, CO ZIP CODE 80111

SPECIAL INSTRUCTIONS
SET FOUR PLUGS TO PLUG & ABANDON
6250-5800 200 SKS
3150-2950 75 "
2425-2225 100 "
100-SUR 50 "

STAGE	TYPE	DEPTH	TYPE	DEPTH
1				
2				
3				
4				

Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE 4 1/2 WEIGHT 11.60 TYPE
 Single GRADE TAIL PIPE: SIZE DEPTH
 Swage THREAD H TUBING VOLUME Bbls
 Knockoff NEW USED CASING VOL. BELOW TOOL Bbls
TOP R W DEPTH TOTAL Bbls
BOT R W ANNUAL VOLUME Bbls

PRESSURE LIMIT PSI BUMP PLUG TO PSI
ROTATE RPM RECIPROCATATE FT No. of Centralizers

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
2230											PRE-JOB SAFETY MEETING
0058	300		5	0	2.5	MUD	9.3				WAIT ON RIG TO RUN D.P. & CIRCULATE
0100	200		42	5	4.2	SLURRY	15.6				BREAK CIRCULATION D.P. @ 6250 & R
0110	VAC		77	47	4.8	MUD	9.3				START CEMENT
0128	VAC			124							START DISPLACEMENT
											SHUT DOWN
											WAIT ON RIG TO LAY DOWN D.P.
0352	200		5	0	2.5	MUD	9.3				BREAK CIRCULATION D.P. @ 3151
0354	200		16	5	4	SLURRY	15.6				START CEMENT
0358	VAC		40	21	5	MUD	9.3				START DISPLACEMENT
0406	VAC			61							SHUT DOWN
											WAIT ON RIG TO LAY DOWN D.P.
0442	200		5	0	2.5	MUD	9.3				BREAK CIRCULATION D.P. @ 2436
0444	200		21	5	3	SLURRY	15.6				START CEMENT
0451	VAC		29	26	4	MUD	9.3				START DISPLACEMENT
0458	VAC			55							SHUT DOWN

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
PLUG 1.	200	1.18	CLASS B	NEAT			42	15.6
" 2.	75	"	"	"	"	"	16	"
" 3.	100	"	"	"	"	"	21	"
" 4.	50	"	"	"	"	"	10	"
5.								
6.								

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN.
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO N/A Bbls.
BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. Bbls TYPE OIL STORAGE BRINE WATER
Washed Thru Ports YES NO TO FT MEASURED DISPLACEMENT WIRELINE OF WELL GAS INJECTION WILDCAT
PERFORATIONS CUSTOMER REPRESENTATIVE DOWELL SUPERVISOR
TO TO RALPH SLOAN J.R. Lee

DOWELL SCHLUMBERGER INCORPORATED

FORM 1000

OILFIELD SERVICES
MINING SERVICES
INDUSTRIAL SERVICES

DS SERVICE ORDER, RECEIPT, AND INVOICE NO. 15-69-0920	CORRESPONDENCE: P.O. BOX 4378 HOUSTON, TEXAS 77210	REMITTANCE: P.O. BOX 100344 HOUSTON, TEXAS 77212	DS SERVICE LOCATION NAME AND NUMBER CORTEZ COLORADO
CUSTOMER NUMBER 921031	CUSTOMER P.O. NUMBER	TYPE SERVICE CODE 295	BUSINESS CODES

CUSTOMER'S NAME: **WINTERSHALL OIL & GAS**
 ADDRESS: **SUITE 200**
5675 DTC BLVD
 CITY, STATE AND ZIP CODE: **ENGLEWOOD, COLORADO 80111**

WORKOVER W
 NEW WELL N
 OTHER O
 API OR IC NUMBER

IMPORTANT! SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE LOCATION	MO	DAY	YR	TIME
	11	26	84	2230

SERVICE ORDER I authorize work to begin per service instructions in accordance with terms and conditions printed on the reverse side of this form and represent that I have authority to accept and sign this order.

CUSTOMER AUTHORIZED AGENT
R.G. Sloan

JOB COMPLETION	MO	DAY	YR	TIME
	11	26	84	1000

SERVICE RECEIPT I certify that the materials and services listed were received and all services performed in a workmanlike manner.

CUSTOMER AUTHORIZED AGENT
R.G. Sloan

DS shall furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DS INDUSTRIAL SERVICE CONTRACT NO. _____:

SET FOUR PLUGS TO PLUG & ABANDON WELL
425 SK6 CLASS B DEPT

STATE UTAH	CODE	COUNTY / PARISH SAN JUAN	CODE	CITY
----------------------	------	------------------------------------	------	------

WELL NAME AND NUMBER / JOB SITE UTR CANYON UNIT No. 10-43	LOCATION AND POOL / PLANT ADDRESS SEC 10 T 38 S R 33 E
---	--

SHIPPED VIA
DOWELL SCHLUMBERGER

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
059200-001	MILEAGE ON PUMP TRUCK ONE WAY	MILES	55	2.20	121.00
048057-007	DPC DEPTH CHARGE TO 600'	EA	1	1910.00	1910.00
048057-100	PER 100' OR FRACTION BELOW 600' TO 625'	EA	3	19.00	57.00
049102-000	SEMI HAULING 39,956 LBS	TON MILE	1099	.75	824.25
049100-000	SERVICE CHARGE UNLOADING	FT ³	425	.91	386.75
03017-007	DPC ADDITIONAL HOURS	HOURS	2	175.00	350.00
00020-001	MEET COMPETITION EQUIPMENT	EA	1	< 912.25	< 912.25
100825-122	D917 HIGH EARLY CEMENT CLASS B	SK6	425	7.20	3060.00
00020-002	MEET COMPETITION MATERIAL	EA	1	< 765.00	< 765.00
				SUB TOTAL	

FIELD ESTIMATE 5031.75

LICENSE/REIMBURSEMENT FEE	
LICENSE/REIMBURSEMENT FEE	

REMARKS: Good job Thanks	STATE	% TAX ON \$
	COUNTY	% TAX ON \$
	CITY	% TAX ON \$
	DS REPRESENTATIVE J. R. Lewis	TOTAL \$

DS 8600

ORAL APPROVAL TO PLUG AND ABANDON WELL

well file

Operator Winters hall Representative Kim Lucks
Ute Canyon Unit
 Well No. 10-43 Location 1/4 1/4 Section 10 Township 38S Range 23E
 County San Juan Field _____ State _____

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

T.D. 6251 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>9 5/8"</u>	<u>2324</u>	_____	_____	<u>① 5800</u>	<u>TD</u>	<u>200 SX</u>
_____	_____	_____	_____	<u>② 2950</u>	<u>3150</u>	<u>75 SX</u>
<u>Formation</u>	<u>Top</u>	<u>Base</u>	<u>Shows</u>	<u>③ 2225</u>	<u>2425</u>	<u>100 SX</u>
_____	_____	_____	_____	<u>④ surf.</u>	<u>100</u>	<u>50 SX</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

REMARKS

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

Approved by SRB Date 11/28 Time 1600 a.m. p.m.

IGT

WINTERSHALL OIL & GAS CORP.
UTE CANYON #10-43
SAN JUAN COUNTY, UTAH
SEC. 10, T38S-R23E

IGT
INTERMOUNTAIN GEO-TECH, INC.
P. O. BOX 158
DELTA, COLORADO 81416
303-874-7762

WINTERSHALL OIL & GAS CORP.
UTE CANYON #10-43
SAN JUAN COUNTY, UTAH
SEC. 10, T38S-R23E

November 26, 1984

The Wintershall Ute Canyon #10-43 well was spudded November 16, 1984. 13 3/8" casing was set at 94' and 9 5/8" casing was set at 2324'. Drilling with fresh water, logging depth of 4000' was reached the morning of November 21, 1984.

Drilling continued rapidly and smoothly until the morning of November 23, 1984 when a bit trip was made at 5472'. Late on November 20, 1984 drilling stopped for a couple of hours, while the swivel was repaired.

Drilling resumed and TD was reached at 6251' the night of November 25, 1984. No drilling breaks or gas shows were encountered throughout the potential pay zones. Electric logs and a velocity survey were run on November 26, 1984. IGT Unit #2 was released on November 26, 1984.

Jan A. Johnson
Geologist - IGT

WINTERSHALL OIL & GAS CORP.
UTE CANYON #10-43
SAN JUAN COUNTY, UTAH
SEC. 10T38S-R23E

TABLE OF CONTENTS

1. SUMMARY OF DAILY ACTIVITY	1
2. BIT RECORD	2
3. DEVIATION SHEET	3

- (1) COPY, FINAL MUD LOG (5"=100')
- (1) COPY, FINAL MUD LOG (2.5"=100')

DRILLING CONTRACTOR: COLEMAN DRILLING RIG #3
FARMINGTON, NEW MEXICO

DRILLING FOREMAN: MR. RALPH SLOANE

PUSHER: MR. GLEN DAVIS

GEO TECHNOLOGISTS: MS. JAN A. JOHNSON - MR. DAN CUTLER
INTERMOUNTAIN GEO-TECH, INC.
DELTA, COLORADO 81416

DRILLING FLUID: MR. KELLY BELCHER
DAVIS MUD
FARMINGTON, NEW MEXICO

WIRE LINE LOGS: MR. TOM BALLIET
SCHLUMBERGER
GRAND JUNCTION, COLORADO

GEOLOGIST: MR. RIC KOPP
GEOLOGIST, WINTERSHALL OIL & GAS CORP.
DENVER, COLORADO

WINTERSHALL OIL & GAS CORP.
UTE CANYON #10-43
SAN JUAN COUNTY, UTAH
SEC. 10-T38S-R23E

SUMMARY OF DAILY ACTIVITY

<u>DATE</u>	<u>ACTIVITY</u>	<u>MIDNITE DEPTH</u>	<u>24 HOUR FOOTAGE</u>
11/21/84	IGT UNIT #2 ON LOCATION, RIGGED UP, DRLG, SURV	--	--
11/22/84	DRLG	4485	766
11/23/84	DRLG, BIT TRIP #6, DRLG, SURV	5251	405
11/24/84	DRLG, SWIVEL REPAIR, SURV	5656	386
11/25/85	SWIVEL REPAIR, DRLG, TD	6047	204
11/26/84	E-LOGS, IGT UNIT #2 RELEASED, LEFT LOCATION	6251	--

WINTERSHALL OIL & GAS CORP.
UTE CANYON #10-43
SAN JUAN COUNTY, UTAH
SEC.10-T38S-R23E

BIT RECORD

DATE	MAKE	SIZE	TYPE	DEPTH OUT	FOOTAGE USED	HOURS
1	REED	12 $\frac{1}{4}$	HS51	94	94	4 $\frac{1}{4}$
2	HTC HUGHS	17 $\frac{1}{2}$	OWB	94	94	4 $\frac{1}{4}$
3	SEC SECURITY	12 $\frac{1}{4}$	S86F	1666	1572	24 $\frac{1}{2}$
4	STC SMITH	12 $\frac{1}{4}$	F-3	2329	663	13 $\frac{3}{4}$
5	STC SMITH	7 7/8	F-27	5472	3143	83 $\frac{1}{4}$
6	HTC	7 7/8	J-33	6251	779	--

WINTERSHALL OIL & GAS CORP.
UTE CANYON #10-43
SAN JUAN COUNTY, UTAH
SEC. 10-T38S-R23E

DEVIATION SHEET FOR WELL. . . .

DEPTH	DEVIATION (DEV)
94'	$\frac{3}{4}^{\circ}$
200'	$\frac{3}{4}^{\circ}$
596'	$\frac{3}{4}^{\circ}$
1074'	$1\frac{1}{2}^{\circ}$
1610'	$\frac{3}{4}^{\circ}$
2043'	1°
2328'	$1\frac{1}{4}^{\circ}$
2835'	$\frac{1}{2}^{\circ}$
3328'	1°
3800'	$\frac{3}{4}^{\circ}$
4318'	1°
4854'	$1\frac{1}{4}^{\circ}$
5472'	$1\frac{3}{4}^{\circ}$

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING
 4241 State Office Building
 Salt Lake City, UT 84114

RECEIVED
 DEC 03 1984

DIVISION OF
 OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Ute Canyon Unit #10-43

Operator Wintershall Oil & Gas Corp. Address 5675 DTC Blvd., Ste. 200 Englewood, CO 80111

Contractor Coleman Drilling Co. Address Drawer 3337 Farmington, NM 87499

Location NE 1/4 SE 1/4 Sec. 10 T. 38S R. 23E County San Juan

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	NO WATER ENCOUNTERED TO TOTAL DEPTH.			
2.				
3.				
4.				
5.				

(Continue on reverse side if necessary)

<u>Formation Tops</u>			
	Chinle	2316'	Gothic 6080'
	DeChelly	2961'	Upper Desert Creek 6108'
	Cutler	3154'	Lower Desert Creek 6158'
<u>Remarks</u>	Honaker Trail	4360'	Chimney Rock 6178'
	Upper Ismay	5894'	Akah 6204'
	"A" Shale	5968'	Paradox Salt 6246'
	Lower Ismay	6016'	

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

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 P & A

2. NAME OF OPERATOR
Wintershall Oil and Gas Corporation

3. ADDRESS OF OPERATOR
5675 DTC Blvd., Ste. 200, Englewood, CO 80111

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2420' FSL & 1280' FEL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

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

5. LEASE
U-20893

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
None

7. UNIT AGREEMENT NAME
Ute Canyon Unit

8. FARM OR LEASE NAME
Ute Canyon Unit

9. WELL NO.
#10-43

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T38S-R23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-31098

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5372'GR; 5386'KB

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) and Well Status <input type="checkbox"/>	<input checked="" type="checkbox"/>

(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.)*

Drilled 7-7/8" hole to TD 6251'. No hydrocarbons were encountered in paying quantities. Well was P&A'd on 11/27/84 as follows:

Plug #1	TD to 5800'	200 sxs cement
Plug #2	3150-2950'	75 sxs
Plug #3	2425-2225'	100 sxs
Plug #4	100-0	50 sxs

Casing cut off 3' below surface, cap welded on, and dry hole marker placed.
Reclamation to be performed when seasonal per APD.

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

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

SIGNED Kim Fuchs TITLE Operations Engineer DATE 12/5/84

(This space for Federal or State office use)

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

cc: Utah OGMD ✓

ACCEPTED
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING Surface Side
DATE: 12/13/84
BY: John R. Duga

RECEIVED
DEC 07 1984
DIVISION OF
OIL, GAS & MINING

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

9

5. LEASE DESIGNATION AND SERIAL NO.

U-20893

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

None

7. UNIT AGREEMENT NAME

Ute Canyon Unit

8. FARM OR LEASE NAME

Ute Canyon Unit

9. WELL NO.

#10-43

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 10, T38S-R23E

12. COUNTY OR PARISH

San Juan

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. RESV. Other P & A'd

2. NAME OF OPERATOR

Wintershall Oil and Gas Corporation

3. ADDRESS OF OPERATOR

5675 DTC Blvd., Ste. 200, Englewood, CO 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 2420- FSL & 1280' FEL NESE

At top prod. interval reported below Same

At total depth Same

14. ~~XXXXXXXXXX~~ API # DATE ISSUED
43-037-31098 11/5/84

RECEIVED
DEC 07 1984
DIVISION OF OIL, GAS & MINING

15. DATE SPUNDED

11/16/84

16. DATE T.D. REACHED

11/25/84

17. DATE COMPL. (Ready to prod.)

P & A'd

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5372'GR

19. BLEV. CASINGHEAD

NA

20. TOTAL DEPTH, MD & TVD

6251'

21. PLUG, BACK T.D., MD & TVD

NA

22. IF MULTIPLE COMPL., HOW MANY*

None

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

All

CABLE TOOLS

No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

None

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GNL/FDS; BHC OIL

TWBC
Sample

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
13-3/8"	54.5#	94'	17-1/2"	100 sxs "B"	None
9-5/8"	36#	2324'	12-1/4"	1000 sxs "B" & Lite	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
		None		

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
	None	

31. PERFORATION RECORD (Interval, size and number)

None

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33.* PRODUCTION

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

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

sample to well to ensure release
Logs sent directly to BLM by Schlumberger. Dowell's Cementing Service Report is attached.

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

SIGNED Kim Fuchs TITLE Operations Engineer DATE 12/5/84

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.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NONE

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Morrison	0		Same
Navajo	1756'		"
Chinle	2316'		"
Cutler	3154'		"
Honaker Trail	4360'		"
Ismay	5894'		"
Desert Creek	6108'		"