

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE **X** WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

DATE FILED **12-23-85**

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. **U-50412** INDIAN

DRILLING APPROVED: **12-30-85 - Exception Location**

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH: **4-2887 LA'D**

WELL ELEVATION:

DATE ABANDONED:

FIELD: **WILDCAT**

UNIT:

COUNTY: **SAN JUAN**

WELL NO. **FEDERAL 8-14** APT #**43-037-31238**

LOCATION **1130' ESL** FT. FROM (N) (S) LINE. **770' FWL** FT. FROM (E) (W) LINE. **SW SW** 1/4 - 1/4 SEC. **8**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
37S	22E	8	WINTERSHALL OIL & GAS				

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

(Other instructions on reverse side)

5. Lease Designation and Serial No.

U-50412

6. If Indian, Allottee or Tribe Name

N/A

7. Unit Agreement Name

N/A

8. Farm or Lease Name

Federal

9. Well No.

#8-14

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 8, T37S-R22E

12. County or Parrish 13. State

San Juan, Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL [X]

DEEPEN []

PLUG BACK []

b. Type of Well

Oil Well [X]

Gas Well []

Other []

Single Zone [X]

Multiple Zone []

2. Name of Operator

Wintershall Oil & Gas Corp. (303) 694-0988

3. Address of Operator

5675 DTC Blvd., Englewood, CO 80111

4. Location of Well (Report location clearly and in accordance with any State requirements)

At surface 1130' FSL and 770' FWL

At proposed prod. zone

RECEIVED

DEC 23 1985

DIVISION OF OIL GAS & MINING

14. Distance in miles and direction from nearest town or post office*

5.5 miles Southwest of Blanding, Utah

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

190'

16. No. of acres in lease

3,260.31

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

6600'

20. Rotary or cable tools

Rotary

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

5811 GR

22. Approx. date work will start*

Immediately upon approval

PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: Size of Hole, Size of Casing, Weight per Foot, Setting Depth, Quantity of Cement. Rows include 12 1/4" and 7 7/8" hole sizes.

Wintershall Oil & Gas Corp. proposes to drill a well to test the Desert Creek formation. 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: 12/30/85 BY: [Signature] WELL SPACING: 302.1

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 Oil & Gas Corp. Date: 12-19-85

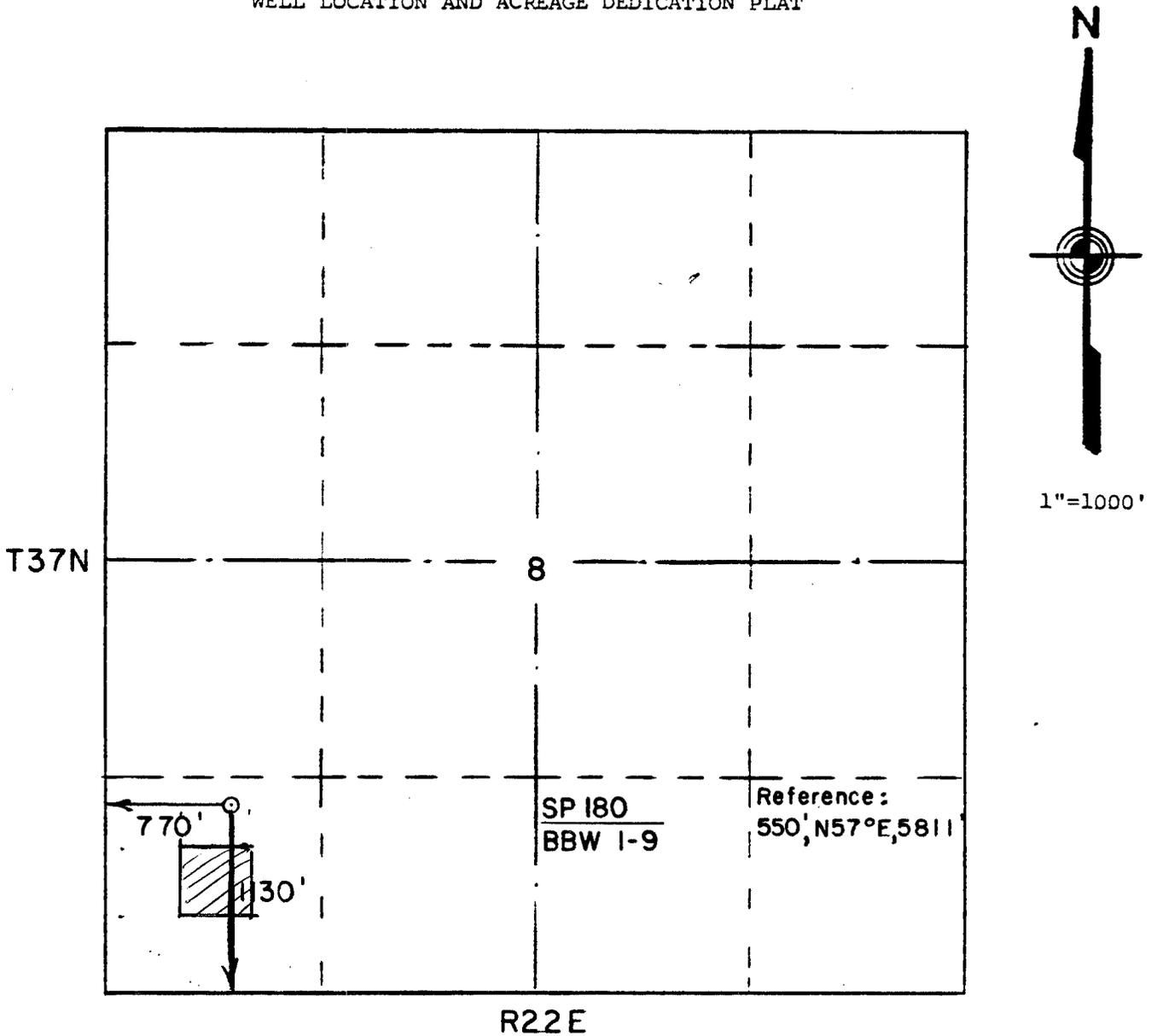
(This space for Federal or State office use)

Permit No. Approval Date

Approved by..... Title..... Date.....

Conditions of approval, if any:

WELL LOCATION AND ACREAGE DEDICATION PLAT



Operator WINTERSHALL		Well name 8-14 Federal	
Section 8	Township 37 South	Range 22 East	Meridian SLM
Footages 1130'FS & 770'FW		County/State San Juan UT	Elevation 5812'
Formation	Dedicated Acreage	Requested by Permitco	
<p>The above plat is true and correct to the best of my knowledge and belief.</p> <div style="text-align: center;"> <p>No. 5705 Gerald G. Huddleston L.S.</p> </div>			

Permitco Inc.

A Petroleum Permitting Company

RECEIVED

DEC 23 1985

DIVISION OF OIL
GAS & MINING

December 19, 1985

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

Re: Wintershall Oil & Gas Corp.
Federal #8-14
1130' FSL and 770' FWL
Sec. 8, T37S - R22E
San Juan County, Utah

Gentlemen:

Wintershall Oil & Gas Corp. 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 all of Section 8, T37S - R22E, San Juan County, Utah. 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 INC.


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

cc: Wintershall Oil & Gas Corp.

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



**Wintershall
Oil and Gas Corporation**
Englewood, Colorado

RECEIVED

DEC 23 1985

DIVISION OF OIL
GAS & MINING

Bureau of Land Management

RE: Federal #8-14
1130' FSL and 770' FWL
Sec. 8, T37S - R22E
San Juan County, Utah

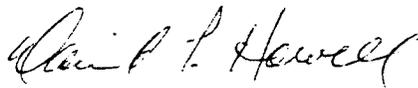
Gentlemen:

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,



David P. Howell
Operations Manager

DPH:ram

ONSHORE OIL & GAS ORDER NO. 1

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

Federal #8-14
1130' FSL and 770' FWL
Sec. 8, T37S - R22E
San Juan County, Utah

Prepared For:

WINTERSHALL OIL & GAS CORP.

By:

PERMITCO INC.
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. - Englewood, CO
- 1 - John Lowry - Towaoc, Colorado

Permitco inc.

A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Wintershall Oil & Gas Corp.
Federal 8-14
1130' FSL and 770' FWL
Sec. 8, T37S - R22E
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>
Morrison	Surface	
Navajo	1658'	+4153'
Chinle	2348'	+3463'
Cutler/DeChelly	3408'	+2403'
Honaker Trail	5201'	+ 610'
Upper Ismay	6111'	- 300'
Lower Ismay	6258'	- 447'
Desert Creek	6326'	- 515'
Akah	6458'	- 647'
T.D.	6600'	

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	6111'
Oil/Gas	Lower Ismay	6258'
Oil/Gas	Desert Creek	6326'

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.

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Wintershall Oil & Gas Corp.
Federal 8-14
1130' FSL and 770' FWL
Sec. 8, T37S - R22E
San Juan County, Utah

DRILLING PROGRAM

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

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>
Surface	0-2398'	12-1/4"	9-5/8"	36#	J-55	ST&C	New
Produc.	0-6600'	7-7/8"	5-1/2"	15.5#	J-55	ST&C	New

- b. Cement

The cementing program will be as follows:

<u>Surface</u>	<u>Type and Amount</u>
0-2398'	875 sx Lite, Tail in with 200 sx Class B (neat). Cement will be circulated to surface.
<u>Production</u>	<u>Type and Amount</u>
T.D. - 5000'	250 sx low water loss Class "B" Cement
2700-3200'	200 sx low water loss Class "B" Cement

- c. Auxiliary Equipment will be as follows:

1. Kelly cock.
2. Float above the bit.

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Wintershall Oil & Gas Corp.
Federal 8-14
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DRILLING PROGRAM

c. Auxillary Equipment (cont.)

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. One 60' core will be run in the Upper Ismay.
- 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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A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Wintershall Oil & Gas Corp.
Federal 8-14
1130' FSL and 770' FWL
Sec. 8, T37S - R22E
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 Federal #8-14 immediately upon approval 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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Federal 8-14
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San Juan County, Utah

DRILLING PROGRAM

8. Dates and Notification Requirements (cont.)

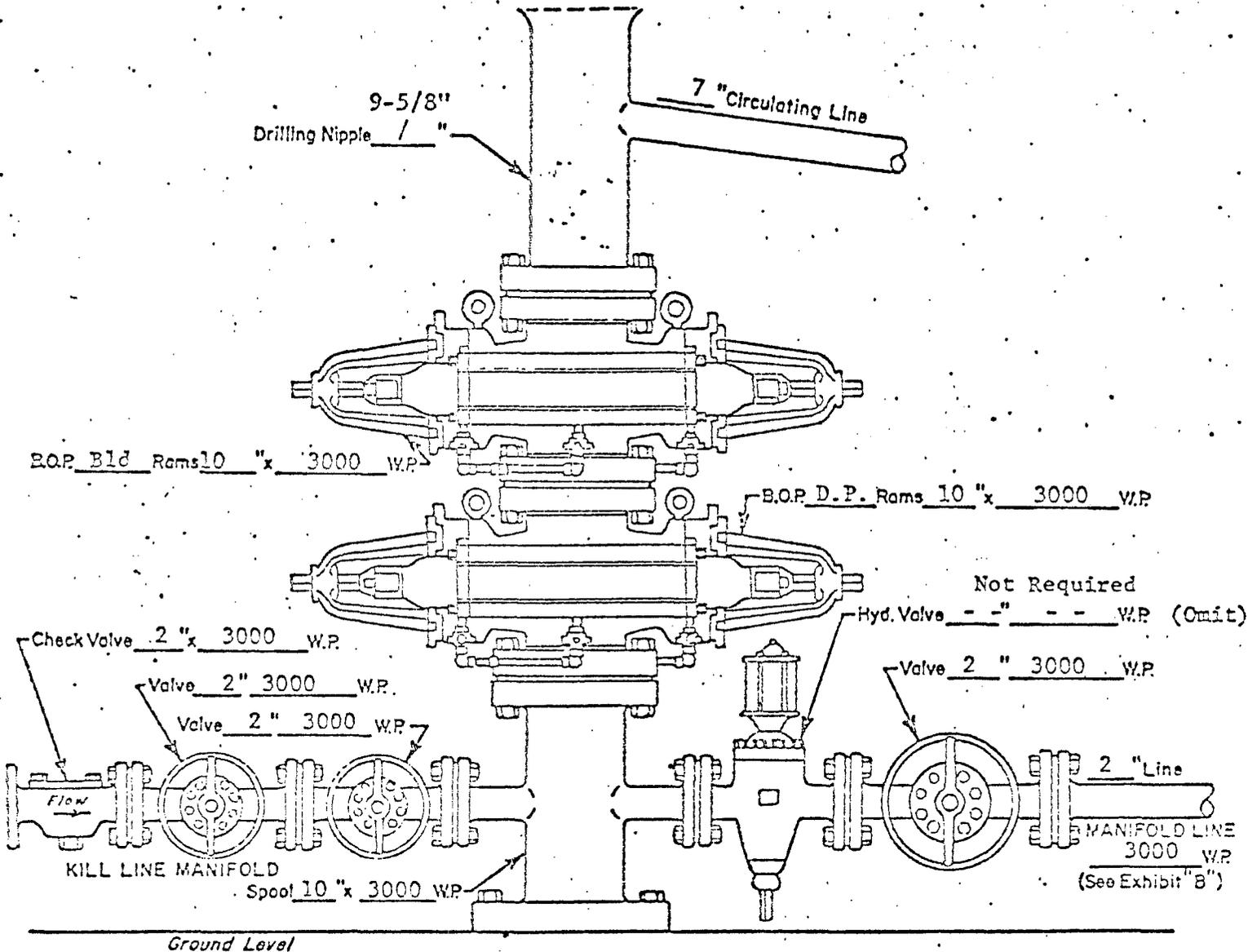
- h. If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, no later than the first business day following the date on which the well is 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 : _____



WELL HEAD B.O.P.

3000 #W.P.

Hydraulic

ONSHORE OIL & GAS ORDER NO. 1
Wintershall Oil & Gas Corp.
Federal 8-14
1130' FSL and 770' FWL
Sec. 8, T37S - R22E
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 5.5 miles from Blanding, Utah.
- b. Directions to the location from Blanding are as follows:
Go south on Highway 47 for 3 miles. Turn west at Shirt Tail Corners and proceed on Highway 95 for 2.5 miles. Turn north on existing road and go 1/4 miles to gravel pit entrance. Turn left on to new access (flagged) and proceed approximately 700 feet to the location.
- c. For location of access roads within a 2-Mile radius, see Map #1.
- d. Improvement to the existing access will not be necessary and will be limited to the total existing disturbed width.
- 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 road will initially be flatbladed during drilling operations and will be 20-22 feet wide. The maximum total disturbed width will be 30 feet.
- b. The maximum grade will be 5%.
- c. No turnouts are planned.
- d. The access road was not centerline flagged at the time of staking.

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ONSHORE OIL & GAS ORDER NO. 1
Wintershall Oil & Gas Corp.
Federal 8-14
1130' FSL and 770' FWL
Sec. 8, T37S - R22E
San Juan County, Utah

SURFACE USE PLAN

2. Planned Access Roads (cont.)

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

3. Location of Existing Wells Within a 1-Mile Radius of the Proposed Location. (See Map #2).

- a. Water Wells - none
- b. Injection or disposal wells - none
- c. Producing Wells - none
- d. Drilling Wells - none

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A Petroleum Permitting Company

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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 will be neutral to blend in with the environment.
 - 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.
 - 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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San Juan County, Utah

SURFACE USE PLAN

4. Production 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 Fred Halliday which is located in the SW/4 SE/4 Sec. 22, T37S - R22E or from Clyde Watkins in the C S/2 Sec. 1, T37S - R22E. Directions to the water sources are shown on Map #1.
- b. Water will be trucked to location over the approved access roads.
- c. No water well is to be drilled on this lease.
- d. Use of water for this operation will 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 native or obtained from a commercial source.

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1130' FSL and 770' FWL
Sec. 8, T37S - R22E
San Juan County, Utah

SURFACE USE PLAN

7. Methods of Handling Waste Disposal

- a. The reserve pit will be lined with commercial bentonite sufficient to prevent seepage unless approved otherwise by the Bureau of Land Management. 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. A burning permit is required for burning trash between May 1 and October 31. A burn permit will be requested if drilling is to occur during these dates.
- e. 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 #2 for rig layout. See Diagram #3 for cross section of drill pad. See Diagram #4 for cuts and fills.

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SURFACE USE PLAN

9. Wellsite Layout (cont.)

- b. The location of mud tanks; reserve, burn and trash pits; pipe racks; living facilities and soil stockpiles will be shown on Diagrams #2 & #4. The location will be laid out and constructed as discussed during the predrill conference.
- c. The top 4 inches of soil material will be removed from the location and stockpiled separate from the trees on the west and north sides. Topsoil along the access will be reserved in place.
- d. Access to the well pad will be from the northwest.

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 10 inches deep with the contour.

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SURFACE USE PLAN

10. Reclamation of Surface (cont.)

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

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.

6 lbs/acre Crested Wheatgrass
1 lbs/acre Fourwing Saltbush
1 lbs/acre Desert Bitterbrush
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

Federal

b. Mineral Ownership

Federal

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A Petroleum Permitting Company

1130' FSL and 770' FWL
Sec. 8, T37S - R22E
San Juan County, Utah

SURFACE USE PLAN

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.
- 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. A copy of this report is attached.
- g. A Right-of-Way Grant which was previously issued on this lease is still in effect and will be utilized to obtain access to this location.
- h. Your contact with the District Office is:
Greg Noble
P.O. Box 970
Moab, Utah 84532
(801/259-6111)

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Wintershall Oil & Gas Corp.
Federal 8-14
1130' FSL and 770' FWL
Sec. 8, T37S - R22E
San Juan County, Utah

SURFACE USE PLAN

12. Other Information (cont.)

- i. Resource Area Manager's address and contacts:
Rich McClure
P.O. Box 7
Monticello, UT 84535
(801/587-2201)

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

Permit Matters

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

Drilling & Completion Matters

WINTERSHALL OIL & GAS CORP.
5675 DTC Blvd., Suite 200
Englewood, CO 80111.
303/694-0988 - (W)
David Howell - (H) 303/232-0424
John Lowry - (W) 303/565-7773
(H) 303/565-4880

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.

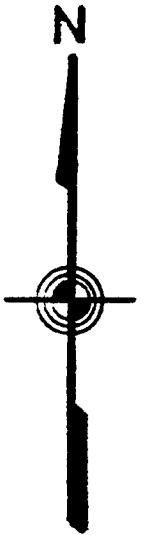
December 19, 1985
Date: _____


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

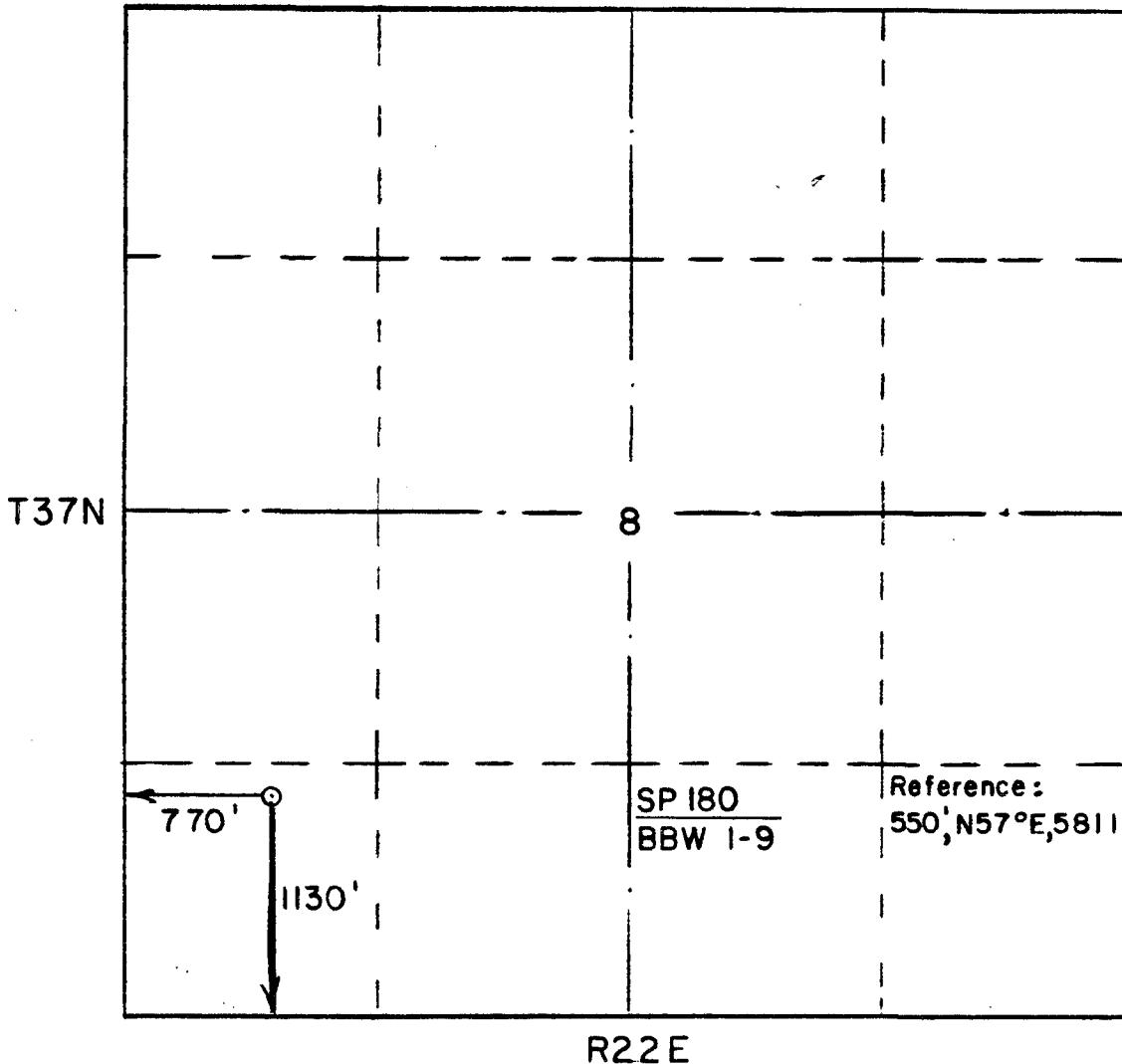
Permitco inc.

A Petroleum Permitting Company

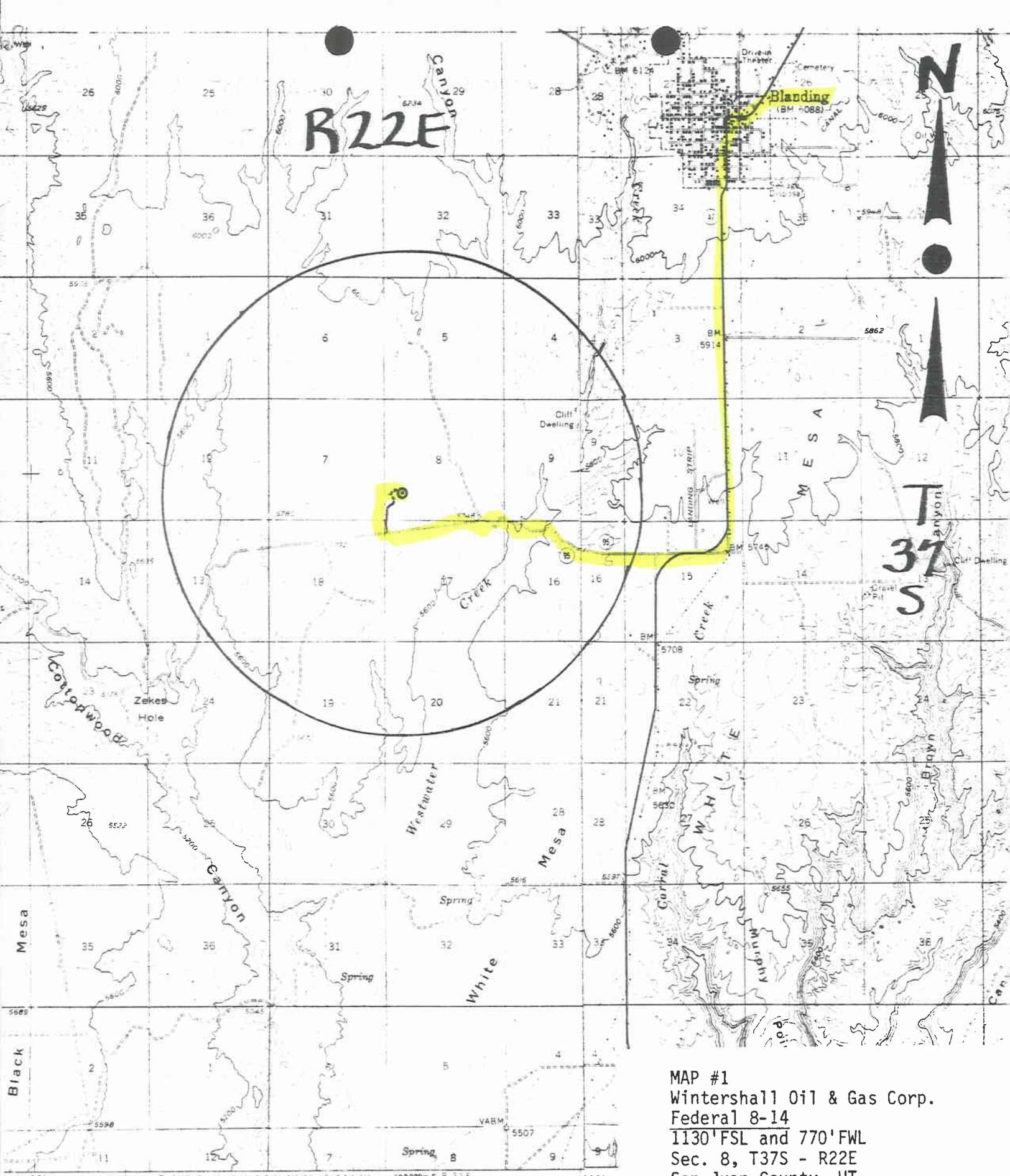
WELL LOCATION AND ACREAGE DEDICATION PLAT



1"=1000'



Operator WINTERSHALL		Well name 8-14 Federal	
Section 8	Township 37 South	Range 22 East	Meridian SLM
Footages 1130'FS & 770'FW		County/State San Juan UT	Elevation 5812'
Formation	Dedicated Acreage	Requested by Permitco	
<p>The above plat is true and correct to the best of my knowledge and belief.</p> <div style="text-align: center;"> <p><i>Gerald G. Huddleston</i> Gerald G. Huddleston L.S.</p> </div>			



R22E

Blanding
(BM 1088)

T
37
S

MAP #1
Wintershall Oil & Gas Corp.
Federal 8-14
1130' FSL and 770' FWL
Sec. 8, T37S - R22E
San Juan County, UT.



ROAD CLASSIFICATION
 Light duty Unimproved dirt
 State Route

Mappe
with cr
Control
Topogr
Aer as p
Polycon

- ⊙ Proposed Location
- █ Proposed Access Route
- - - New Access to be Built

R22E

N



36

31

32

33

6

5

4

12

7

8

9

T
37
S

13

18

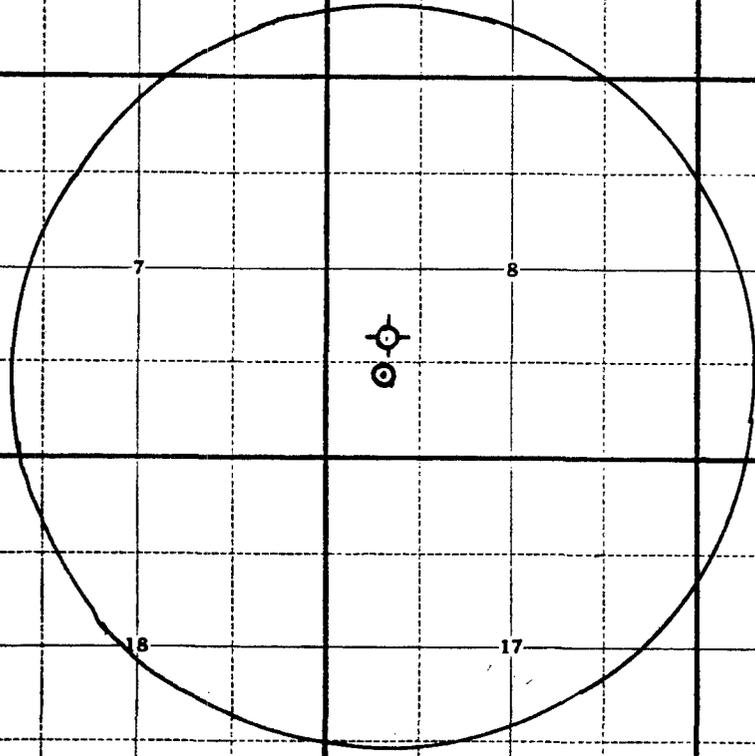
17

16

24

19

20



MAP #2
Wintershall Oil & Gas Corp.
Federal #8-14
1130' FSL and 770' FWL
Sec. 8, T37S-R22E
San Juan County, Utah

 Proposed Location
 Dry Holes

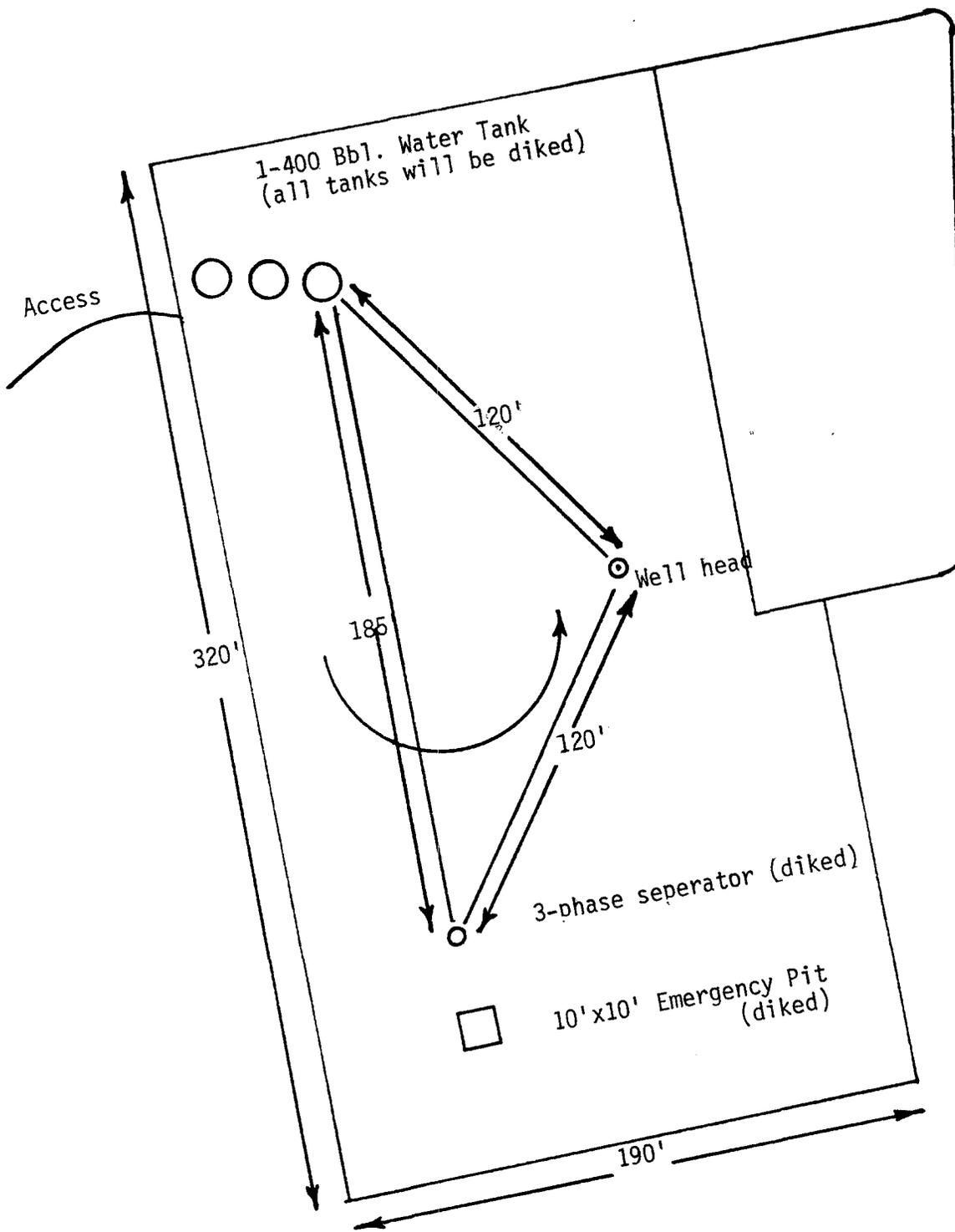


DIAGRAM #1
 Production Facility Layout
 Wintershall Oil & Gas Corp.
 Federal #8-14
 1130' FSL and 770' FWL
 Sec. 8, T37N-R22E
 San Juan County, Utah

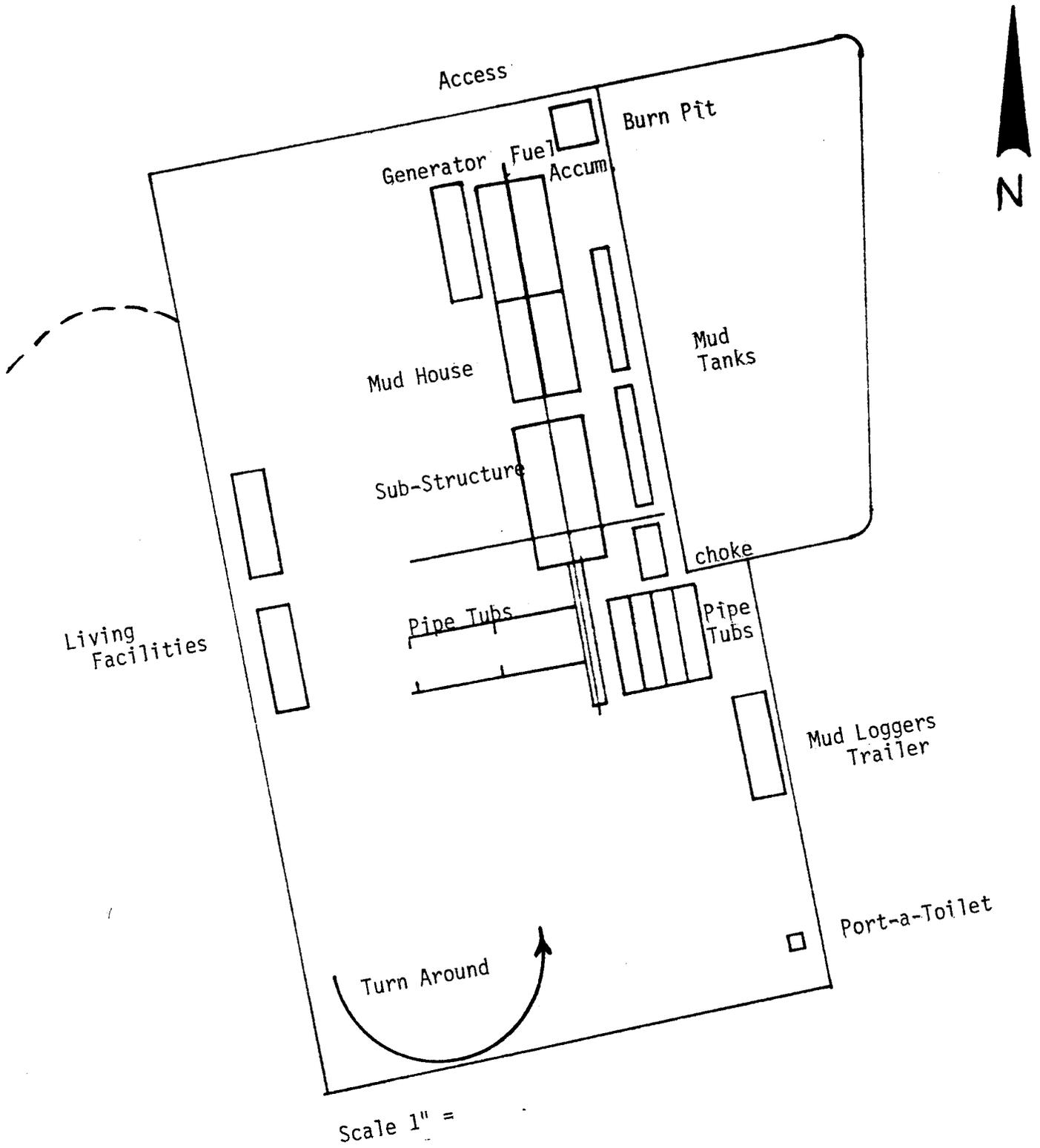


DIAGRAM #2
 Wintershall Oil & Gas Corp.
 Rig Layout
 Wintershall Fed. #8-14
 1130' FSL and 770' FWL
 Sec. 8, T37N-R22E
 San Juan County, Utah

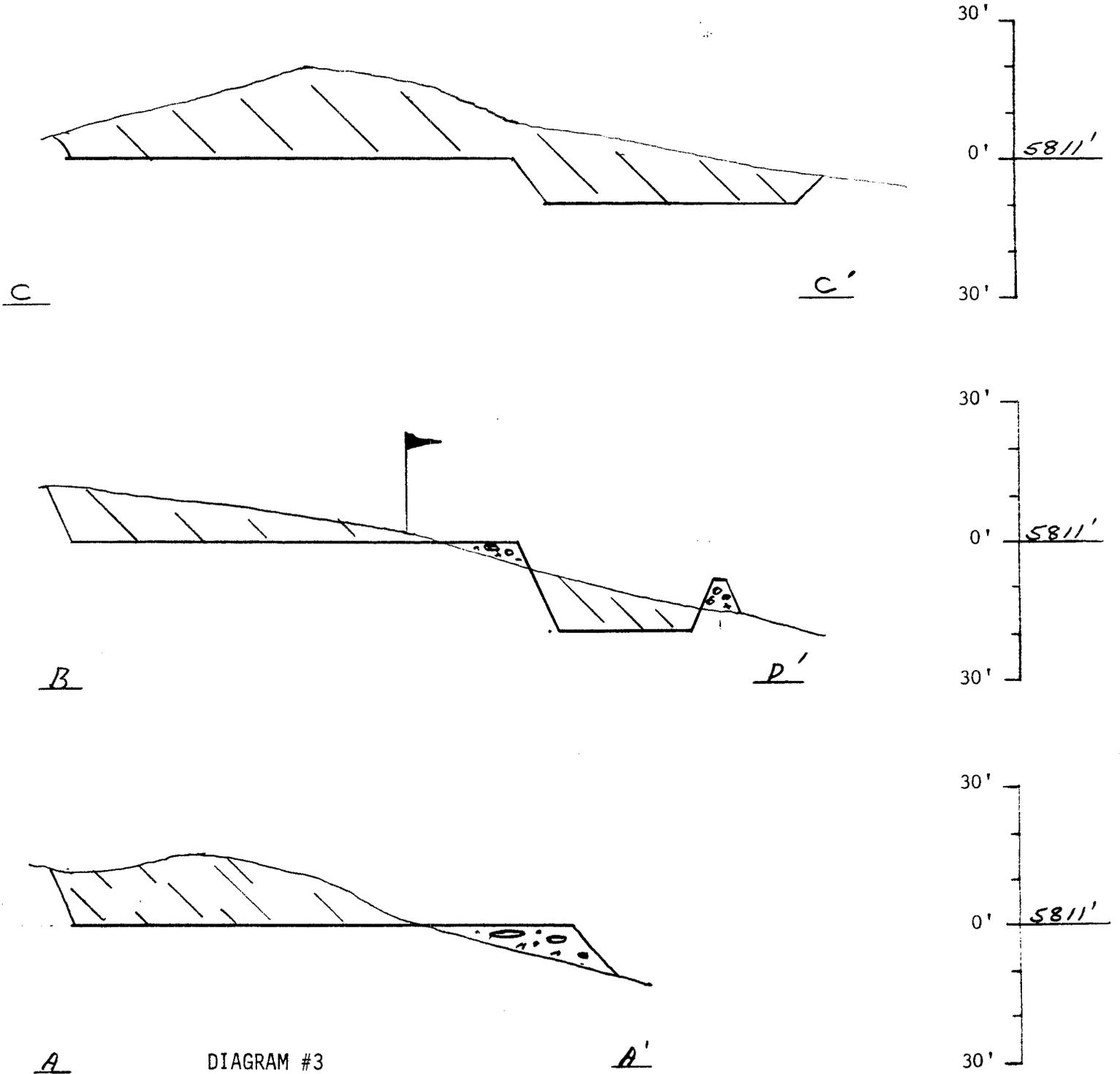
WELL PAD CROSS-SECTION

Well 8-14

Cut /////
Fill

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

1.7 Vertical Exaggeration



A

A'

DIAGRAM #3
Wintershall Oil & Gas Corp.
Federal #8-14
1130' FSL and 770' FWL
Sec. 8, T37N-R22E
San Juan County, Utah

DIAGRAM #4

Wintershall Oil & Gas Corp.

Federal #8-14

1130' FSL and 770' FWL

Sec. 8, T37N-R22E

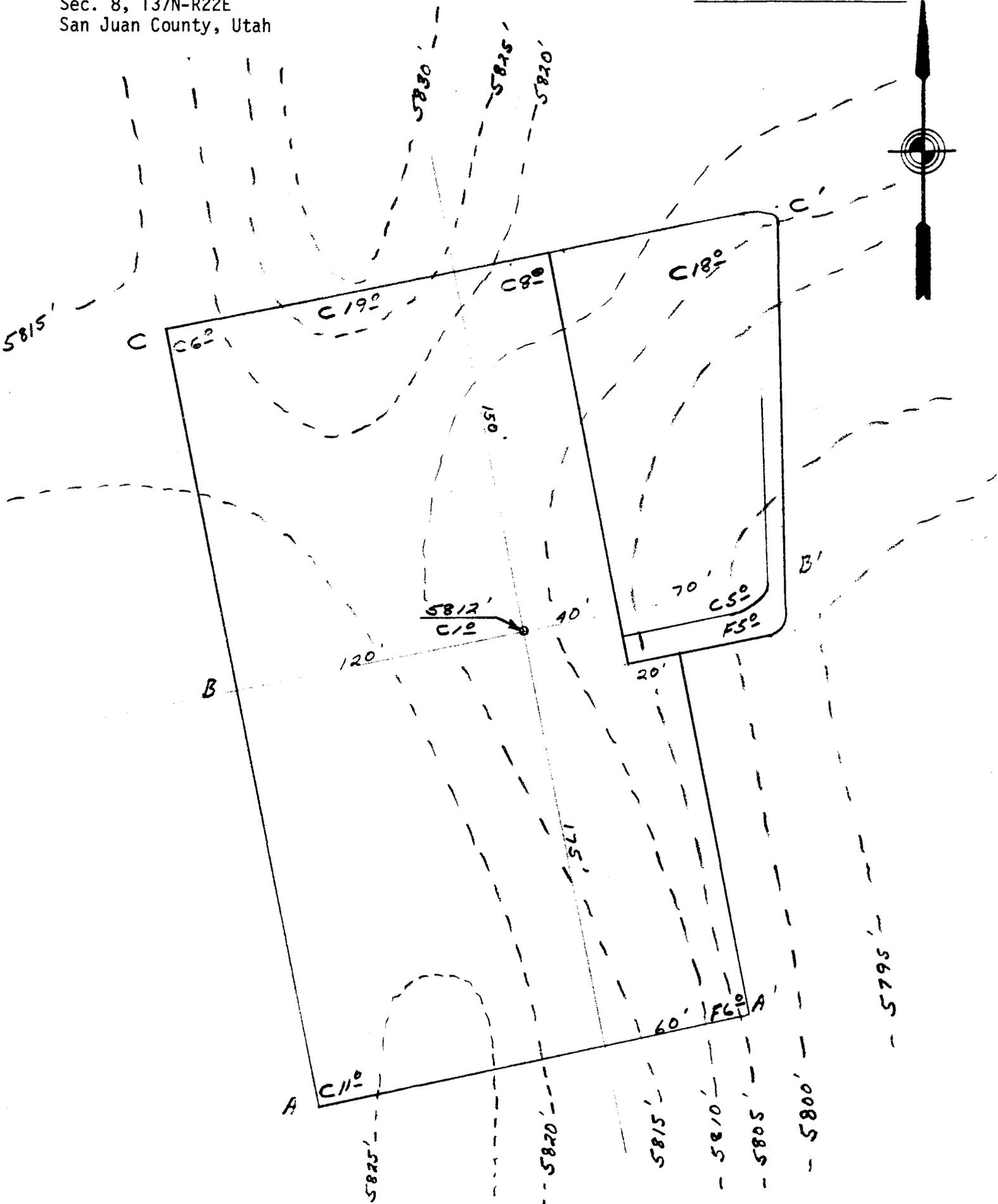
San Juan County, Utah

WELL PAD PLAN VIEW

Well

8-14

N



AN ARCHEOLOGICAL SURVEY OF
WINTERSHALL OIL & GAS CORPORATION'S
BRUSHY BASIN FEDERAL #8-14 WELL,
SAN JUAN COUNTY, UTAH

LAC REPORT 85124

by
Patrick L. Harden

LA PLATA ARCHEOLOGICAL CONSULTANTS, INC.
P.O. BOX 783
DOLORES, COLORADO 81323
(303) 882-4933

DECEMBER 11, 1985

Federal Antiquities Permit
85UT57626

Utah State Permit
U85-LA-737b

Prepared For:
Wintershall Oil & Gas Corp.
Suite 200, Gateway Place
5675 DTC Blvd.
Englewood, Colorado 80111

ABSTRACT

The archeological survey of Wintershall Oil & Gas Corporation's Brushy Basin Federal #8-14 well pad was conducted by personnel of La Plata Archeological Consultants, Inc. on December 9, 1985. The project is located on lands administered by the Bureau of Land Management - San Juan Resource Area in San Juan County, Utah. An area 660 X 660 feet surrounding the pad center stake was inventoried for cultural resources. The access route to the pad had been previously inventoried and no archeological sites found in its vicinity. Archeological clearance for the project is recommended.

INTRODUCTION

An archeological survey of the Brushy Basin Federal #8-14 well pad was conducted on December 9, 1985 by Patrick Harden of La Plata Archeological Consultants, Inc. of Dolores, Colorado. The project is a development planned by Wintershall Oil & Gas Corporation in San Juan County, Utah. The Bureau of Land Management - San Juan Resource Area administers the land involved. The archeological survey was requested by Ms. Lisa Green, acting permit agent for Wintershall and was conducted during the on-site pre-drill inspection. Persons attending the pre-drill included Ms. Green (Permitco), Rich McClure (BLM), Gerald Huddleston (land surveyor), and Harden (LAC).

The project consists of the construction of a single well

pad ca. 325 X 300 feet in size, and upgrading ca. 600' of access road. The access to the well follows an existing improved dirt road which leads to a gravel pit and joins Hwy. 95 south of the pad. The ca. 600' of road to be upgraded was previously inventoried for cultural resources for Wintershall's Federal 8-13 well located just to the north of the 8-14 well (Hibbets 1984). No archeological sites were found along the roads.

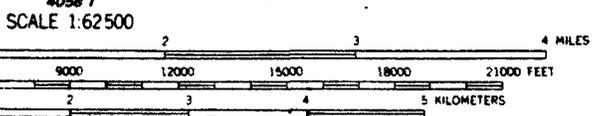
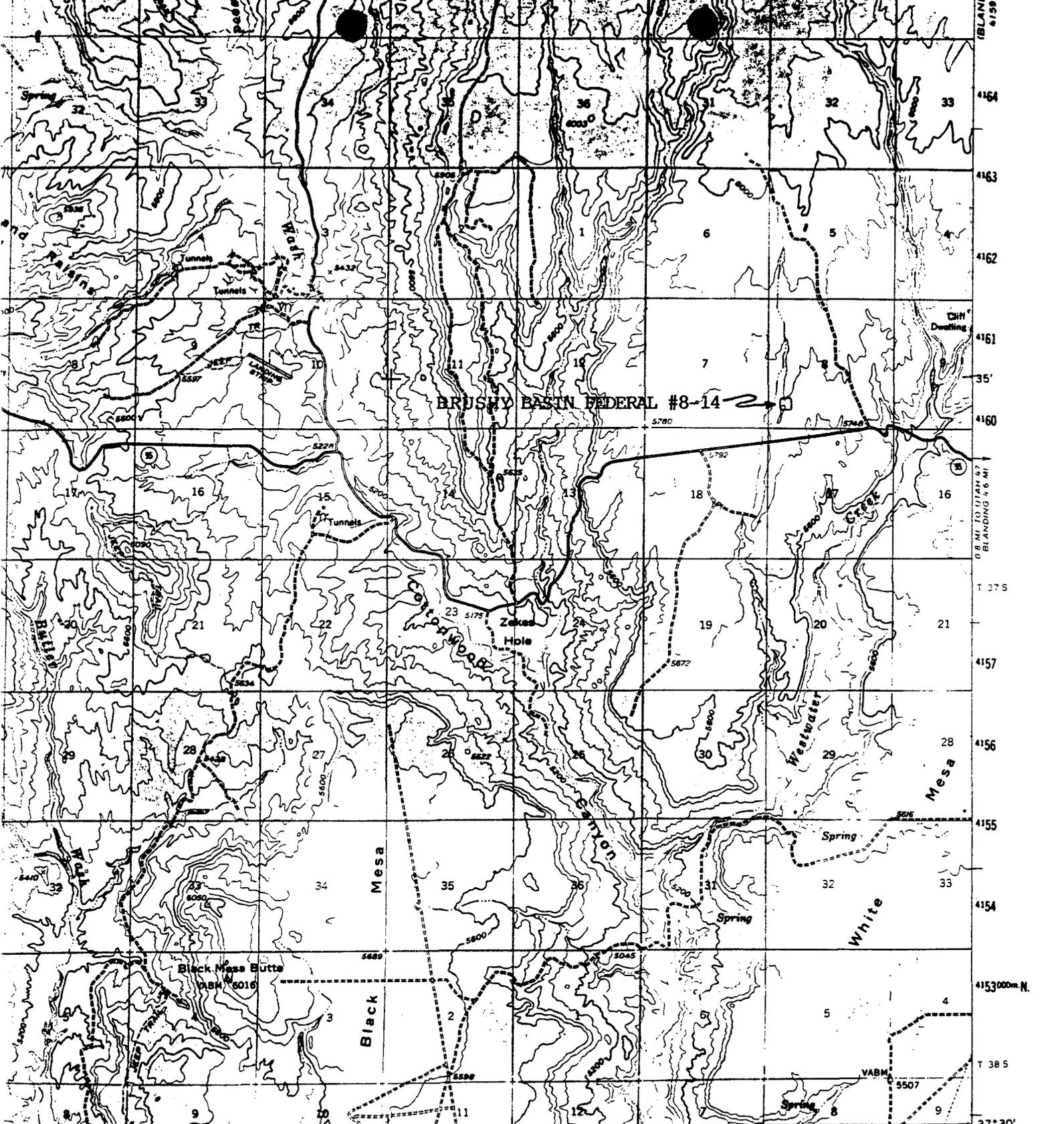
The well is located in the SW $\frac{1}{4}$, SW $\frac{1}{4}$ of section 8, T37S, R22E. The area is included on the Brushy Basin Wash, Utah 15' series topographic map (1957).

PHYSIOGRAPHY AND ENVIRONMENT

The project area is located ca. six miles west of the town of Blanding on a southerly dipping cuesta situated between Westwater Canyon on the east, and Cottonwood Canyon on the west. The well pad is located on the crest and east and west slopes of a narrow ridge. The access route is on the ridge and flat terrain gently dipping to the south.

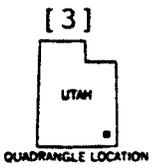
Sediments consist of reddish sandy loam along most of the access route, and around the lower flanks of the ridge. A dense accumulation of gravel to cobble sized quartzitic and diorite cobbles cover most of the ridge crest and upper slopes. Sandy loam fills the interstices around the cobbles.

Vegetation is a pinyon-juniper plant community, with pinyon, juniper, cheat grass, and cedarweed represented on the pad area.



CONTOUR INTERVAL 80 FEET
 MEAN SEA LEVEL GEODETIC VERTICAL DATUM OF 1929

CONFORMS WITH NATIONAL MAP ACCURACY STANDARDS
 SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION

Light-duty ———— Unimproved dirt - - - - -

State Route ————

BRUSHY BASIN WASH, UTAH
 N3730—W10930/15

1957

AMS 4058 II—SERIES V787

(BLANDING) 4159 II
 4164
 4163
 4162
 4161
 35'
 4160
 4157
 4156
 4155
 4154
 4153000m.N.
 T 38 5
 37°30'
 109°30'
 (MONTEZUMA C. 4158 IV)

The understory is extremely sparse on the pad. Sagebrush is prevalent along the west side of the ridge on which the pad is located.

EXAMINATION PROCEDURES

Prior to the initiation of the field inspection a file search was conducted at the BLM office in Monticello. The results of this review indicated that no archeological sites had been recorded in the project area per se, and that several surveys had been conducted in the general area. Another file search was requested through the Division of State History. Also, the files at the LAC office were checked, indicating that a portion of the access road had been surveyed with no sites found.

On-the-ground survey consisted of walking a series of transects spaced 15 meters apart across an area 660 X 660' (ten acres) surrounding the well pad center stake. Approximately 150' of the survey area on the southeast side lies in a gravel pit. As previously mentioned, those portions of the access road which will require grading have been previously surveyed.

SURVEY RESULTS

No cultural resources were found in the project area and none have been previously recorded. The nature of the sediments in the pad area make the possibility of buried cultural deposits being present highly unlikely.

CONCLUSION

The archeological survey of Wintershall Oil & Gas Corporation's Brushy Basin Federal #8-14 well pad was conducted by personnel of La Plata Archeological Consultants, Inc. on December 9, 1985. The project is located on lands administered by the Bureau of Land Management in San Juan County, Utah. An area 660 X 660' surrounding the pad center stake was inventoried for cultural resources. The access to the well follows an existing dirt road and ca. 600' of a reclaimed access road to Wintershall's Federal 8-13 well. The reclaimed portion of the access has been previously surveyed and no cultural resources found. No cultural resources are present in the project area and final archeological clearance is recommended.

REFERENCE CITED

Hibbets, Barry N.

1984 An Archeological Survey of Wintershall Oil and Gas Corp.'s Federal 8-13 Well Site and Access Road, San Juan County, Utah. LAC Report 84107. Manuscript on file with the BLM, Monticello.

OPERATOR Wentershall Oil & Gas DATE 12-24-85

WELL NAME Federal 8-14

SEC SW SW 8 T 37S R 22 E COUNTY San Juan

43-039-31238
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other wells in 37S 22E S-8
Exemption requested
Need water permit

APPROVAL LETTER:

SPACING: 203 _____ UNIT

302

_____ CAUSE NO. & DATE

302.1

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

December 30, 1985

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

Gentlemen:

Re: Well No. Federal 8-14 - SW SW Sec. 8, T. 37S, R. 22E
1130' FSL, 770' FWL - San Juan County, Utah

Approval to drill the above-referenced well is hereby granted in accordance with Rule 302.1, Oil and Gas Conservation General Rules, 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 as required by Chapter 3, Title 73, Utah Code Annotated.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, General Rules.

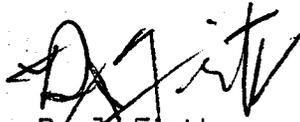
Page 2

Wintershall Oil & Gas Corporation
Well No. Fedal 8-14
December 30, 1985

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 43-037-31238.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as

Enclosures

cc: Branch of Fluid Minerals
Dianne R. Nielson

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-50412
B. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR Wintershall Oil & Gas Corp. (303) 694-0988		7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR 5675 DTC Blvd., Englewood, Colorado 80111		8. FARM OR LEASE NAME Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1130' FSL and 770' FWL At proposed prod. zone SW SW		9. WELL NO. #8-14
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5.5 miles southwest of Blanding, Utah		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 190'	16. NO. OF ACRES IN LEASE 3,260.31	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 6600'	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5811 GR		22. APPROX. DATE WORK WILL START* Immediately upon approval

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#	2398'	1175 sx or sufficient to circ.
7 7/8"	5 1/2"	15.5#	6600'	450 sx or sufficient to cover zone of interest.

RECEIVED
MAR 20 1986

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 [Signature] TITLE Consultant for Wintershall Oil & Gas Corp. DATE 12-19-85

(This space for Federal or State office use)

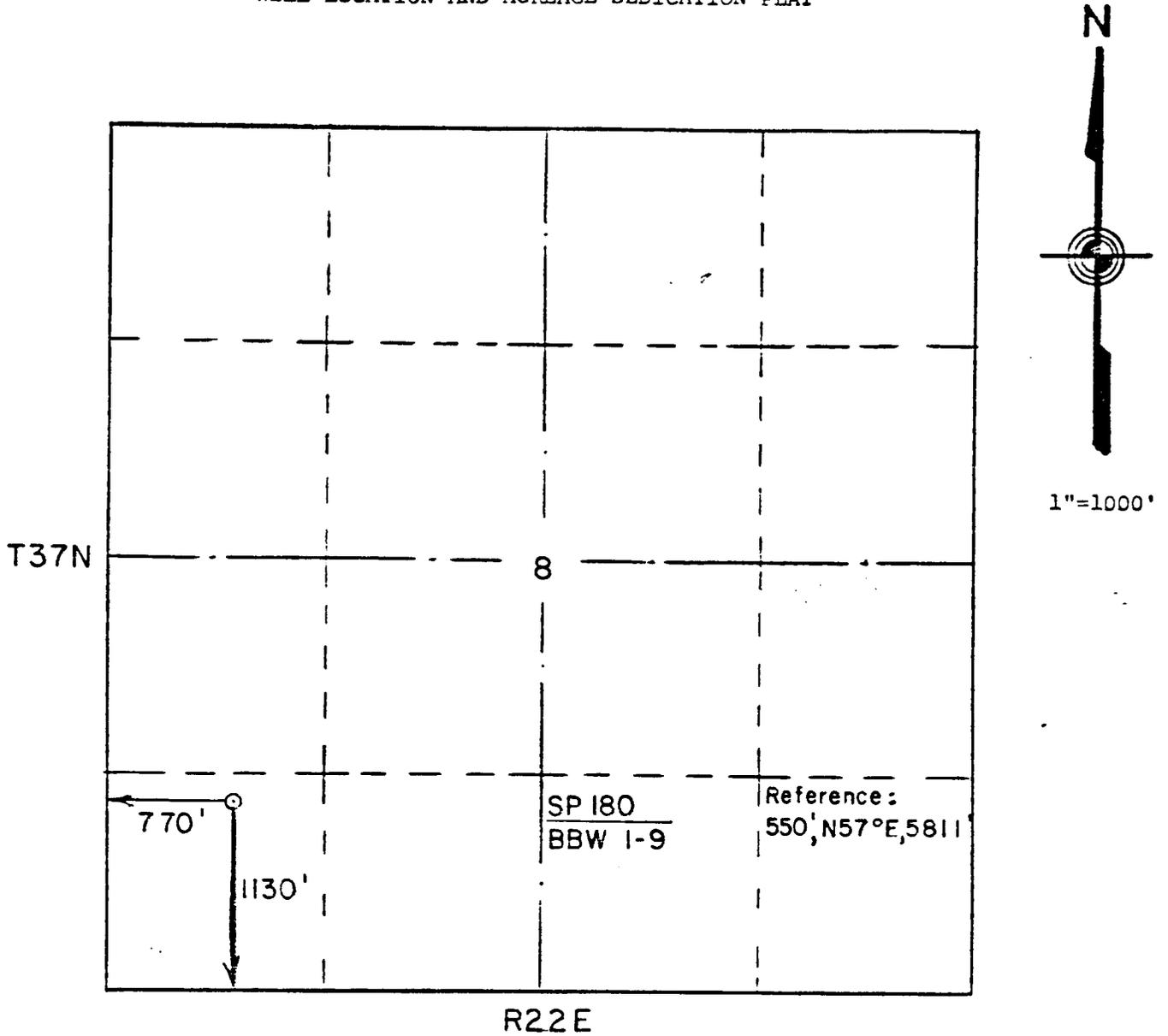
PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE Acting DISTRICT MANAGER DATE MAR 18 1986

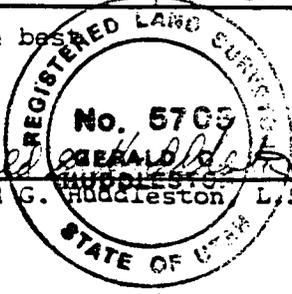
CONDITIONS OF APPROVAL, IF ANY:
FLARING OR VENTING OF GAS IS SUBJECT OF NTL 4-★
DATED 1/1/80
NOTICE OF APPROVAL SUBJECT TO RIGHT OF WAY APPROVAL

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL LOCATION AND ACREAGE DEDICATION PLAT



Operator WINTERSHALL		Well name 8-14 Federal	
Section 8	Township 37 South	Range 22 East	Meridian SLM
Footages 1130'FS & 770'FW		County/State San Juan UT	Elevation 5812'
Formation	Dedicated Acreage	Requested by Permitco	
<p>The above plat is true and correct to the best of my knowledge and belief.</p> <div style="text-align: center;">  <p><i>Gerald G. Huddleston</i> Gerald G. Huddleston, L.S.</p> </div>			

NAME	ACTION CODE(S)	INTL
NORM		<i>✓</i>
TAMI		
VICKY		
CLAUDIA		
STEPHANE		
CHARLES		
RULA		
MARY ALICE		
CONNIE		
MILLIE		
PAM	<i>5, FILE</i>	<i>JK</i>

Required Action Code

1. Data Entry
2. Filming
3. Posting
 - a. Card Index
 - b. File Label
 - c. Lists
4. Bonding Verification
5. Other (See Norm)

this appears to be a copy of the Fed approval. if we have not yet permitted, route back to me

RECEIVED
APR 24 1987

Moab District
P. O. Box 970
Moab, Utah 84532

DIVISION OF
OIL, GAS & MINING

47 23

Wintershall Corporation
5251 DTC Parkway, Suite 500
Englewood, CO 80111

Re: Rescinding Application for
Permit to Drill
Well No. Federal 8-14
Sec. 8, T. 37 S., R. 22 E.
San Juan County, Utah
Lease U-50412

Gentlemen:

The Application for Permit to Drill the referenced well was approved on March 18, 1986. Since that date, no known activity has transpired at the approved location.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application.

Should you intend to drill this location at a future date, a new application for permit to drill must be submitted.

If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely yours,

/S/ GENE NODINE

District Manager

cc:

State of Utah, Division of Oil, Gas and Mining ✓
San Juan Resource Area

bcc:

U-942, Utah State Office

CFreudiger/cf 4/22/87



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

042906

April 28, 1987

Wintershall Corporation
5251 DTC Parkway, Suite 500
Englewood, Colorado 80111

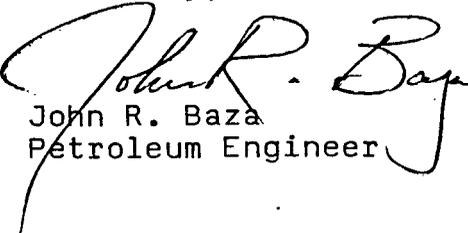
Gentlemen:

RE: Well No. Federal #8-14, Sec.8, T.37S, R.22E,
San Juan County, Utah, API NO. 43-037-31238

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,



John R. Baza
Petroleum Engineer

sb

cc: BLM-Moab
D. R. Nielson
R. J. Firth
Well file

03271-70