

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED 11-06-86

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-20894 INDIAN _____

DRILLING APPROVED: 11-10-86 11-26-86

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: 1-21-87 LA'D

FIELD: WILDCAT

UNIT: _____

COUNTY: SAN JUAN

WELL NO. HORSE CANYON FEDERAL 13-14 API #43-037-31281

LOCATION 460' FSL FT. FROM (N) (S) LINE. 500' FWL FT. FROM (E) (W) LINE. SW SW 1/4 - 1/4 SEC. 13

TWP.	RGE	SEC.	OPERATOR	TWP.	RGE	SEC.	OPERATOR
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38S	23E	13	Oil & Gas WINTERSHALL CORPORATION
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 Corporation (303) 694-0988

3. ADDRESS OF OPERATOR
 5251 DTC Pkwy., Ste. 500, Englewood, Co. 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 460' FSL & 500' FWL (SWSW)
 At proposed prod. zone Same

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

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 460'

16. NO. OF ACRES IN LEASE 640

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. N/A

19. PROPOSED DEPTH 6,350'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,448' ungraded

22. APPROX. DATE WORK WILL START* Upon Approval

5. LEASE DESIGNATION AND SERIAL NO.
 U-20894

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

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 Horse Canyon

9. WELL NO.
 13-14 Federal

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 13-38S-23E SLBM

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

1. BOP, casing, and cementing programs are on PAGES 2-4
2. Well is located on federal surface and subsurface.
3. Well is an orthodox location.

RECEIVED
 NOV 06 1986

DIVISION OF
 OIL, GAS & MINING

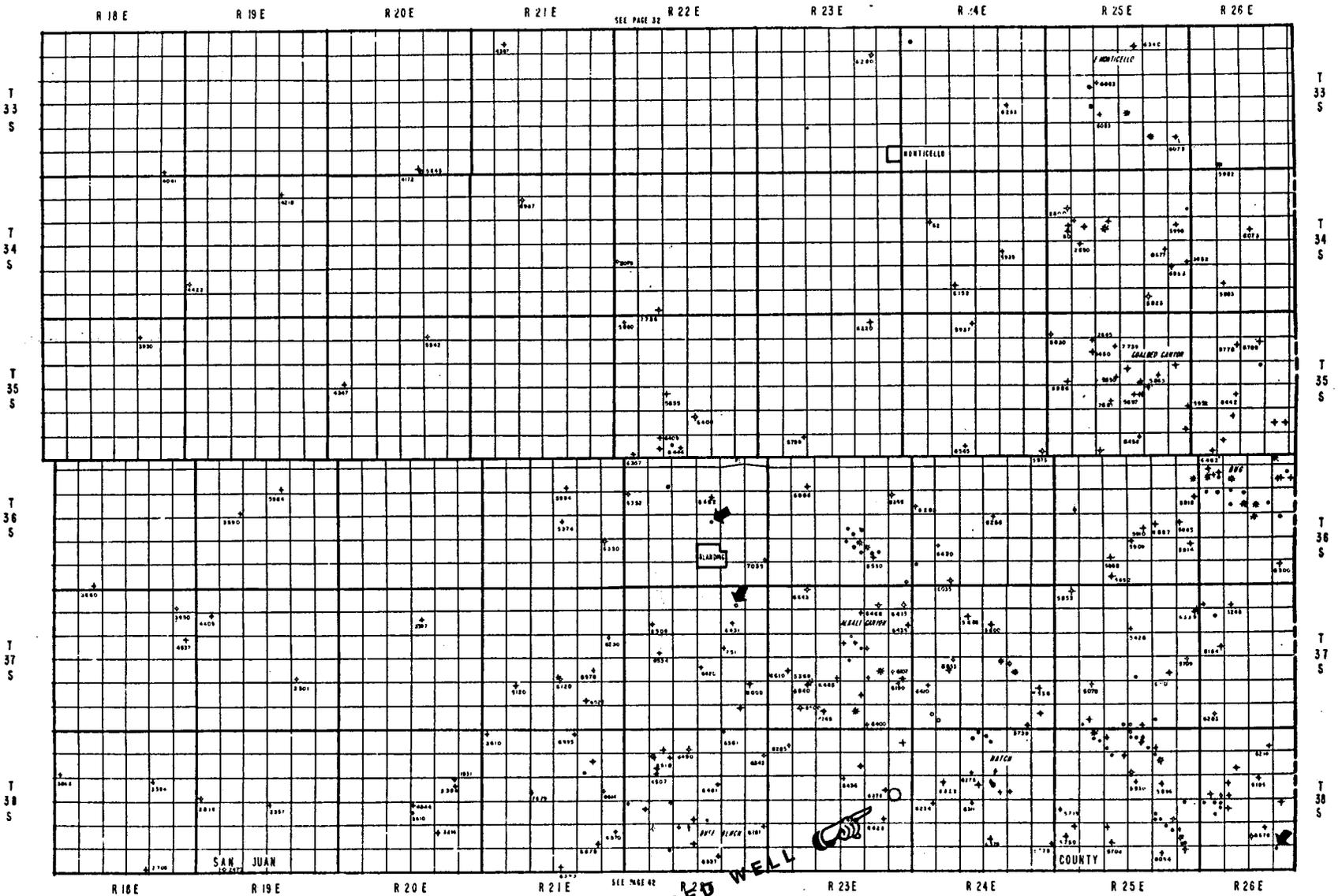
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED David P. Howell TITLE Operations Manager DATE 11-5-86
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

cc: Howell (3), Lowry (3), MDO (3), SJRA (1), UDOGM (2)

*See Instructions On Reverse Side



PROPOSED WELL

T 33 S
T 34 S
T 35 S
T 36 S
T 37 S
T 38 S

R 18 E R 19 E R 20 E R 21 E R 22 E R 23 E R 24 E R 25 E R 26 E

R 18 E R 19 E R 20 E R 21 E R 23 E R 24 E R 25 E R 26 E

SAN JUAN

COUNTY

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-20894	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Wintershall Corporation (303) 694-0988			7. UNIT AGREEMENT NAME N/A	
3. ADDRESS OF OPERATOR 5251 DTC Pkwy., Ste. 500, Englewood, Co. 80111			8. FARM OR LEASE NAME Horse Canyon	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 460' FSL & 500' FWL (SWSW) At proposed prod. zone Same			9. WELL NO. 13-14 Federal	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 air miles SE of Blanding, Utah			10. FIELD AND POOL, OR WILDCAT <input checked="" type="checkbox"/> Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 460'		16. NO. OF ACRES IN LEASE 640	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
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21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,448' ungraded			22. APPROX. DATE WORK WILL START* Upon Approval	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

1. BOP, casing, and cementing programs are on PAGES 2-4
2. Well is located on federal surface and subsurface.
3. Well is an orthodox location.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 11-10-86
BY: John P. Bay
WELL SPACING: 302

RECEIVED
NOV 06 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 Daniel P. Howell TITLE Operations Manager DATE 11-5-86

(This space for Federal or State office use)

PERMIT NO. 43-037-31281 APPROVAL DATE _____

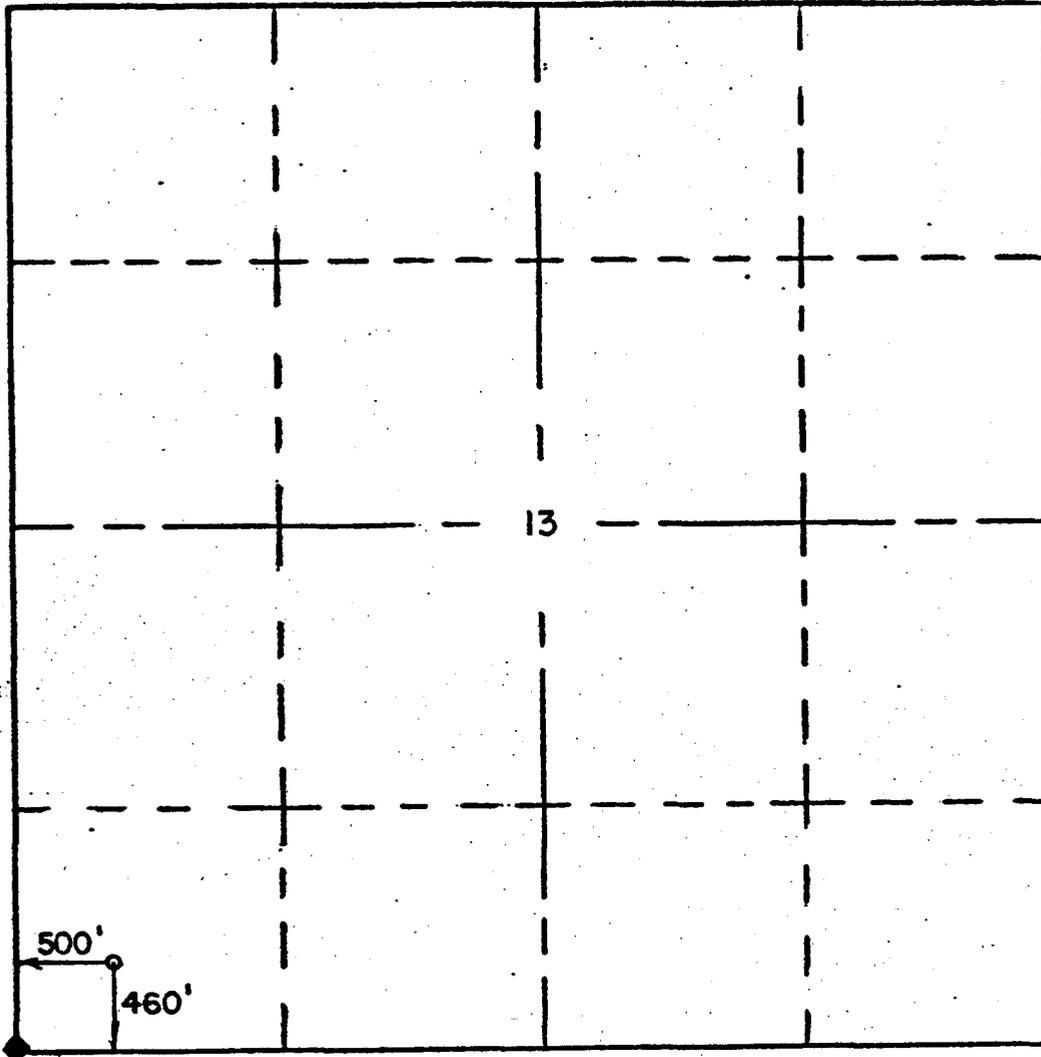
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

cc: Howell (3), Lowry (3), MDO (3), SJRA (1), UD00M (2)

*See Instructions On Reverse Side

WELL LOCATION PLAT

R23E



T38S

13

500'

460'

WELL LOCATION DESCRIPTION:

WINTERSHALL OIL & GAS

Horse Canyon 13-14

500' FWL & 460' FSL

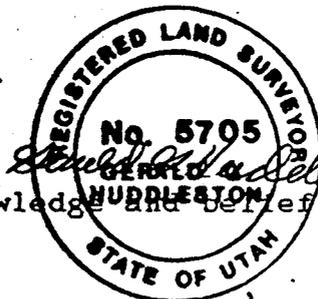
Section 13, T.38 S., R.23 E., SLM

San Juan County, Utah

5448' ground elevation

Reference: 680' FSL & 630' FWL, 5459' grd.

The above plat is true and correct to my knowledge and belief.



10-30-86

FILING FOR WATER IN THE STATE OF UTAH

Rec. by CT
 Fee Paid \$ 15.00
 Platted 71347
 Microfilmed _____
 Roll # _____

DEC 20 1986

DIVISION OF
 OIL, GAS & MINES

APPLICATION TO APPROPRIATE WATER

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

WATER USER CLAIM NO. 09 - 1486

APPLICATION NO. T62164

1. PRIORITY OF RIGHT: November 7, 1986 FILING DATE: November 7, 1986
2. OWNER INFORMATION
 Name: Wintershall Corp. c/o Permits West Inc.
 Address: 37 Verano Loop, Santa Fe, NM 87505
 The land is not owned by the applicant(s), see explanatory.
3. QUANTITY OF WATER: 8.0 acre feet (Ac. Ft.)
4. SOURCE: Underground water well DRAINAGE: San Juan River
POINT(S) OF DIVERSION: COUNTY: San Juan
 (1) S. 3915 feet, W. 1055 feet, from the NE Corner of Section 13,
 Township 39 S, Range 24 E, SLB&M
 Description of Diverting Works: 8 inch diameter well 566 ft.
COMMON DESCRIPTION: Hatch Trading Post
5. NATURE AND PERIOD OF USE
 Oil Exploration From November 15 to November 14.
6. PURPOSE AND EXTENT OF USE
 Oil Exploratio: Drilling and dust control
7. PLACE OF USE

The water is used in all or parts of each of the following legal subdivisions.

TOWN	RANGE	SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter			
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$
38 S	23 E	13											X	X				

All locations in Salt Lake Base and Meridian

EXPLANATORY

A maximum of 4.00 acre feet of water will be used for each of 2 wells for a total of 8.00 acre feet.
 The land is owned by Sherman Hatch. Mr. Hatch has agreed to allow Wintershall to haul water from his 8-inch diameter, 566 feet deep well.
 Will supplement prior rights contained in application 09-252 (A30955).
 The two wells to be drilled are:
 Horse Canyon #13-14 Federal (N. 460 ft. & E. 500 ft. from SW Cor. Sec. 13, T38S, R23E, SLB&M, SW4SW4).
 Horse Canyon #13-24 Federal (N. 575 ft. & E. 1760 ft. from SW Cor. Sec. 13, T38S, R23E, SLB&M, SE4SW4).

Approved 11-21-86 expires 11-21-87

Appropriate

Wintershall Oil and Gas Corp.
Horse Canyon 13-14 Federal
460' FSL & 500' FWL
Sec. 13, T. 38 S., R. 23 E.
San Juan County, Utah

PAGE 1

All lease and/or unit operations will be conducted in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order #1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. Wintershall will furnish a copy of these conditions to its field representative to assure compliance.

8 Point Drilling Program

1. The estimated tops of important geologic markers are:

<u>Formation Name</u>	<u>Depth</u>	<u>Subsea</u>
Dakota	000'	+5448' (ungraded)
Morrison	200'	+5248'
Bluff	830'	+4618'
Entrada	1082'	+4366'
Navajo	1260'	+4188'
Chinle	2180'	+3268'
DeChelly Cutler	2900'	+2548'
Hermosa	4798'	+ 650'
Upper Ismay	6024'	- 576'
Lower Ismay	6142'	- 694'
Desert Creek	6242'	- 794'
Akah	6350'	- 902'
T.D.	6350'	- 902'

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

Possible Water Zones

Navajo: 1260'

Possible Oil Zones

Upper Ismay: 6024'

Lower Ismay: 6142'

Desert Creek: 6242'

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Horse Canyon 13-14 Federal
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PAGE 2

Surface casing will be set 50' into the Chinle. Water bearing zones will be protected with weighted mud. All fresh water encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

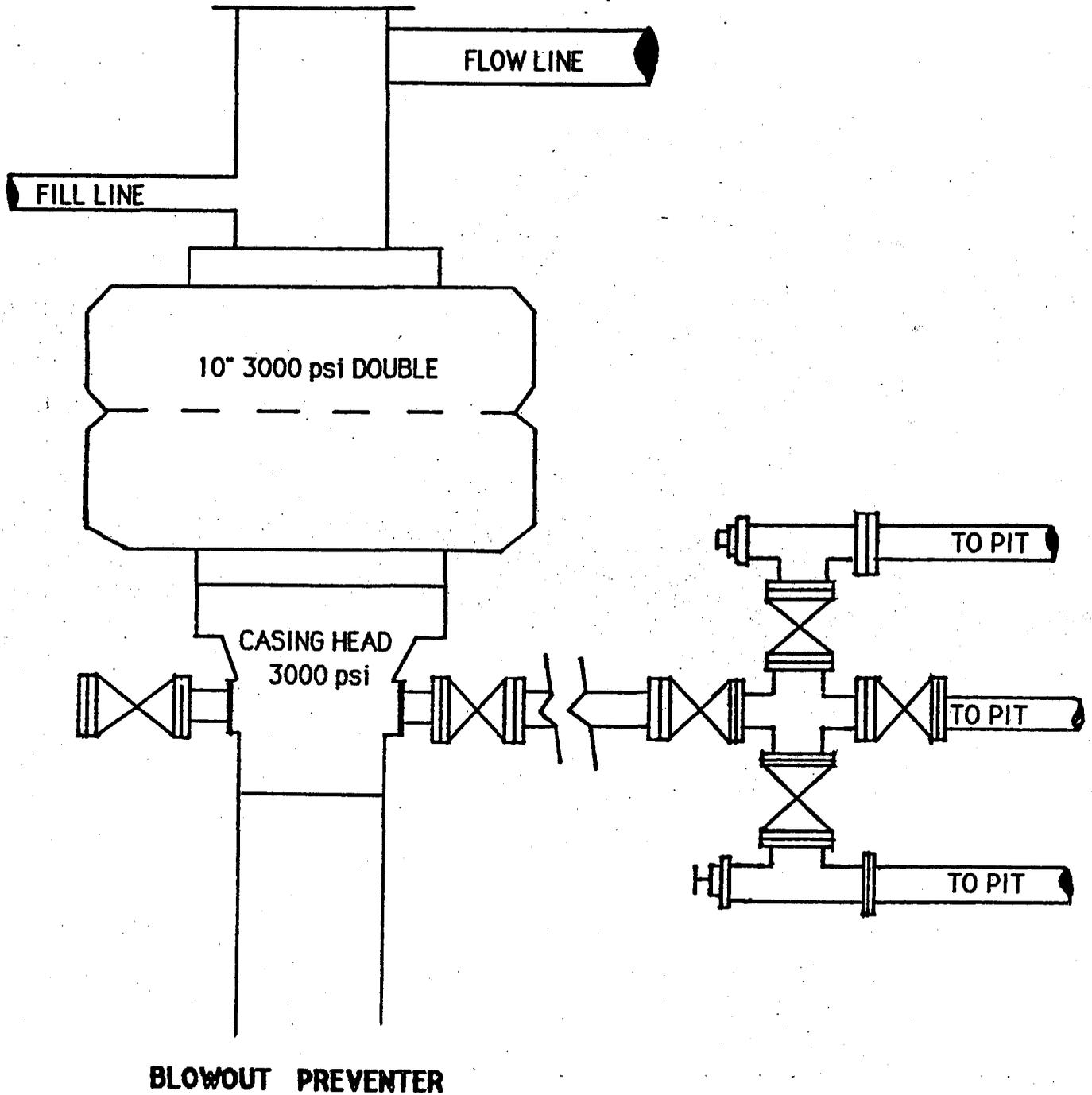
3. BOP systems will be consistent with API RP 53. A schematic diagram of a typical 3000 psi BOP (actual model will not be known until bid is let) is on Page 3.

Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. Preventers will be pressure tested before drilling casing cement plugs. All BOP mechanical and pressure tests will be recorded on the driller's log. The San Juan Resource Area [(801) 587-2141] will be notified one day before pressure testing.

BOPs will be inspected and operated at least daily to ensure good mechanical working order. This inspection will be recorded on the daily drilling report.

4. The below may be inspected. Call Mike Wade at the Resource Area (801) 587-2141 or home (801) 587-2026 one day before the event, or on a dry hole as soon as possible. If unable to reach Mike Wade, call Greg Noble at the District Office (801) 259-6111 or home (801) 259-8811.
 - Testing BOPs
 - The cementing and testing of surface casing
 - If a dry hole, setting and testing of surface casing shoe plug
 - If a depleted producer, setting and testing of plugs across the producing horizon and, if applicable, the surface casing shoe plug and/or annulus (casing to formation) squeeze jobs

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Horse Canyon 13-14 Federal
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Wintershall Oil and Gas Corp.
 Horse Canyon 13-14 Federal
 460' FSL & 500' FWL -
 Sec. 13, T. 38 S., R. 23 E.
 San Juan County, Utah

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The San Juan Resource Area [(801) 587-2141] will be notified 1 day before running casing strings and cement. The proposed casing and cementing program is:

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>Age</u>	<u>Setting Depth</u>
17-1/2"	13-3/8"	54*	J-55	ST&C	New	0'- 80'
12-1/4"	9-5/8"	36*	J-55	ST&C	New	0'-2230'
7-7/8"	5-1/2"	15.5*	J-55	ST&C	New	0'-6350' (TD)

Conductor Pipe: Cement to surface (0' to 80') with 125 sx

Surface Casing: Cement to surface (0' to 2230' with:

Lead System

1,000 sx "Lite"

Tail System

100 sx Class B

Production Casing: Cement to surface (0' to 6350') with:

150 sx low water loss Class B

5. The proposed mud program is:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>F/L</u>	<u>pH</u>
0'-3500'	Gel-Water	8.7-8.8	30	N/C	N/C
3500'-5000'	Gel w/ Chem	9.0-9.5	40	12-15	10
5000'-6350' (TD)	Gel w/ Chem	9.5-10.5	40-45	8-10	10+

6. Drill stem tests will be run in the Upper and Lower Ismay, our primary objectives, if shows are present. No cores are anticipated. The following logs will be run:

DIL/SFL, Gamma Ray/SP, BHC/Sonic: Base of Surface Casing to TD

Density Neutron & Dipmeter: Zones of Interest from 4500' to TD

Wintershall Oil and Gas Corp.
Horse Canyon 13-14 Federal
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Whether the well is completed as a dry hole or producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well, or after completion of operations being performed, *per* 43 CFR 3164. Two copies of all logs, core descriptions & analyses, well test data, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. (If requested, sample cuttings, fluids, and/or gases will be submitted to the District Manager.)

7. The maximum expected bottom hole pressure is 3500 psi.
No abnormal pressures, temperatures, or hydrogen sulfide are expected.
8. The anticipated spud date is November 15, 1986. It is expected it will take 20 days to drill the well and 10 days to complete the well.

Wintershall or its dirt contractor will contact the Resource Area before beginning dirt work.

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.

The spud date will be phoned to the Resource Area, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5), reporting the spud date and time, will be sent to the District Manager within 24 hours after spudding. If the spud is on a weekend or holiday, the Sundry will be sent on the following regular work day.

Wintershall Oil and Gas Corp.
Horse Canyon 13-14 Federal
460' FSL & 500' FWL
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Starting with the month in which operations begin, and continuing each month until the well is physically plugged and abandoned, a "Monthly Report of Operations" (Form 3160-6) will be sent to the District Manager.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual events will be promptly reported to the Resource Area *per* NTL-3A.

A Sundry Notice will be filed for prior approval of the District Manager if a replacement rig is planned for completion. All conditions of this approved plan apply to all operations of the replacement rig. In emergencies, verbal approval can be given by the District Manager.

If the well is successfully completed for production, then the District Manager will be notified. Written notification will be sent not later than 5 business days following the date on which the well is placed on production. The Resource Area will schedule a first production conference within 15 days after receipt of the first production notice.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Manager. This preliminary approval will not exceed 30 days or 50 MMcf of gas. Approval to vent/flare beyond this initial period will require the District Manager's approval *per* NTL-4A.

No well abandonment operations will begin without the prior approval of the District Manager. With a newly drilled dry hole, failure, or emergency, oral approval will be obtained from the District Manager. A Sundry Notice will be sent to the District Manager within 30 days following completion of the well for abandonment. The Sundry will note where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the reclamation required by the approved APD or abandonment notice has been completed to the satisfaction of the Area Manager.

Wintershall Oil and Gas Corp.
Horse Canyon 13-14 Federal
460' FSL & 500' FWL
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Once plugged, a regulation dry hole marker will be erected. The following information will be beaded on with a welding torch: Wintershall Oil and Gas Corp., Horse Canyon 13-14 Federal, SWSW 13-38S-23E, U-20894.

Wintershall Oil and Gas Corp.
Horse Canyon 13-14 Federal
460' FSL & 500' FWL
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13 Point Surface Use Plan

1. EXISTING ROADS (See PAGES 16 & 17)

From the Post Office in Montezuma Creek, Utah, go 14.1 mi. north on Utah 262.

Then turn right and go east 0.1 mi. on a paved county road.

Then turn left and go north 4.4 mi. on a dirt county road.

Then turn right and go east 0.4 mi. on an unreclaimed seismic trail.

All access is state, county, or on-lease road. The roads will be maintained to a standard at least equal to their present condition. No improvements or new disturbances are planned. An Encroachment Permit has been submitted to the San Juan County Road Dept.

2. ROADS TO BE BUILT (See PAGES 16 & 17)

From the dirt county road, an unreclaimed seismic trail 0.4 mi. in length curves east to the well. The trail will be upgraded and flat bladed with a 20' wide running surface (30' maximum disturbed width). Maximum grade will be 3%. There will be no turnouts, fence crossings, culverts, or major cuts or fills.

Surface disturbance and vehicle travel will be limited to the approved location and access. Any additional area needed will be approved in advance by the Area Manager. If access is used during wet winter weather, road surfacing may be required.

The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling the drill rig. If this deadline can't be met, the Resource Area will be notified so that temporary

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drainage control can be installed. Class III Road Standards control drainage through the use of topography, ditch turnouts, dips, outcropping, crowning, low water crossings, and culverts. Specific measures will be determined at a field inspection.

3. EXISTING WELLS (See PAGE 17)

There are no water, injection, disposal, or producing wells within a one mile radius. There is one proposed oil well within a one mile radius, Meridian Oil's Havasu Federal 41-24 @ 1050 FNL & 500 FEL 24-38S-23E.

4. PROPOSED PRODUCTION FACILITIES

The type and layout of the production facilities are not known now. A Sundry Notice will be submitted for approval before they are installed.

All permanent (on site for 6 or more months) surface facilities will be painted a flat, nonreflective, neutral color to match the trees or soil. Painting will be completed within 6 months of installation. Parts required to comply with OSHA colors will be excluded.

If a tank battery is built, it will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the battery. All loading lines will be placed inside the dike.

All site security guidelines in 43 CFR 3162.7 will be obeyed. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease must have the prior written approval from the District

Wintershall Oil and Gas Corp.
Horse Canyon 13-14 Federal
460' FSL & 500' FWL
Sec. 13, T. 38 S., R. 23 E.
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Manager.

Any gas meter run will be within 500' of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500' downstream of the meter run and any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well pad. Meters will be calibrated in place before delivery begins. Meter accuracy tests will be conducted monthly for the first 3 months on new meters, and at least quarterly thereafter. The Resource Area 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 sent to the Resource Area. All meters will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

5. WATER SUPPLY (See PAGE 16)

Water will be trucked from an artesian well on BLM administered land in NENW Sec. 27, T. 40 S., R. 23 E. BLM has given Hay Hot Oil, Inc. permission to truck water from this well. An Application to Appropriate Water (09-1419 [A60809]) has been approved by the State of Utah Div. of Water Rights.

6. CONSTRUCTION MATERIALS

Pad construction materials are native *in situ* soils on lease. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Wintershall Oil and Gas Corp.
Horse Canyon 13-14 Federal
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7. WASTE DISPOSAL

The reserve pit will be lined with minimum 6 mil plastic. More than half of the capacity will be in cut. It will be fenced on 3 sides with woven wire topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit is drying.

All trash will be placed in a portable trash cage. When full, it will be hauled to an approved landfill in Colorado. The road and pad will be kept litter free.

Human waste will be disposed of in 20' deep ratholes or chemical toilets. The ratholes will be immediately filled when the trailers are removed.

Produced water will be confined to a lined pit for a period not to exceed 90 days after initial production. During the 90 day period an NTL-2B application will be submitted for the District Manager's approval of a permanent disposal method and site.

8. ANCILLARY FACILITIES

There will be no formal camp, though 2 camper trailers may on site for the company man and tool pusher.

9. WELL SITE LAYOUT

See PAGES 18-20 for depictions of the well pad, cross sections, cut and fill diagrams, reserve pit, burn pit, access road onto the pad, parking, living facilities, soil stockpile, and rig orientation.

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The top 4-5" of soil material will be removed from the location and stockpiled on the northeast side. Topsoil along the access will be reserved in place.

10. RECLAMATION

Immediately upon completion of drilling, all trash and debris will be collected from the pad and surrounding area and placed in the trash cage.

Wintershall's dirt contractor will call the Resource Area 48 hours before starting reclamation that involves earth moving equipment, and upon completion of reclamation. The reserve pit must be completely dry before it is backfilled.

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.

The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12" deep with the contour.

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.

8 lb/ac Crested wheatgrass (Agropyron desertorum)

1 lb/ac Desert bitterbrush (Purshia glandulosa)

1 lb/ac Fourwing saltbush (Atriplex canenscens)

1 lb/ac Yellow sweetclover

After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed area. The access will be blocked to prevent vehicle

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460' FSL & 500' FWL
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access and water bars built as follows:

<u>Grade</u>	<u>Spacing</u>
2%	Every 200'
2-4%	Every 100'

The reserve pit and that part of the pad not needed for production will be reclaimed as previously described. Enough topsoil will be kept to reclaim the remainder of the pad at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mix.

11. SURFACE OWNER

The surface owner of the pad and the road requiring construction is the U.S. Government.

12. OTHER INFORMATION

The dirt contractor will be provided with an approved copy of the surface use plan. The dirt contractor will fence the north and east sides of the pad, and construction in that area will be monitored by a BLM approved archaeologist hired by Wintershall.

There will be no change from the proposed drilling and/or workover plan without prior approval from the District Manager. A Sundry Notice will be filed for approval for all changes of plans and other operations per 43 CFR 3164.

Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified per 43 CFR 3162.2.

Wintershall Oil and Gas Corp.
Horse Canyon 13-14 Federal
460' FSL & 500' FWL
Sec. 13, T. 38 S., R. 23 E.
San Juan County, Utah

PAGE 14

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the Resource Area will be called. All people who are in the area will be informed by Wintershall that they are subject to prosecution for disturbing archaeological sites or picking up artifacts, including arrowheads.

This permit will be valid for one year from the date of approval. After the permit expires, a new application will be filed for approval of any future operations.

The District Office's mailing address is P.O. Box 970, Moab, Utah 84532. The phone number is 801-259-6111. Ask for Greg Noble.

The Resource Area's mailing address is P.O. Box 7, Monticello, Utah 84535. The phone number is 801-587-2141. Ask for Rich McClure for surface problems. Ask for Mike Wade for subsurface problems.

The nearest hospital is a 50 minute drive to Monticello, Utah. It is 3 blocks northwest of Monticello's only stoplight. Phone number is (801) 587-2116. The nearest medically equipped helicopter is in Grand Junction, Colorado, at St. Mary's Hospital. Phone number is (303) 244-2550.

13. REPRESENTATION AND CERTIFICATION

For questions concerning the APD, please contact:

Brian Wood
Permits West, Inc.
37 Verano Loop
Santa Fe, NM 87505
(505) 984-8120

Wintershall Oil and Gas Corp.
Horse Canyon 13-14 Federal
460' FSL & 500' FWL
Sec. 13, T. 38 S., R. 23 E.
San Juan County, Utah

PAGE 15

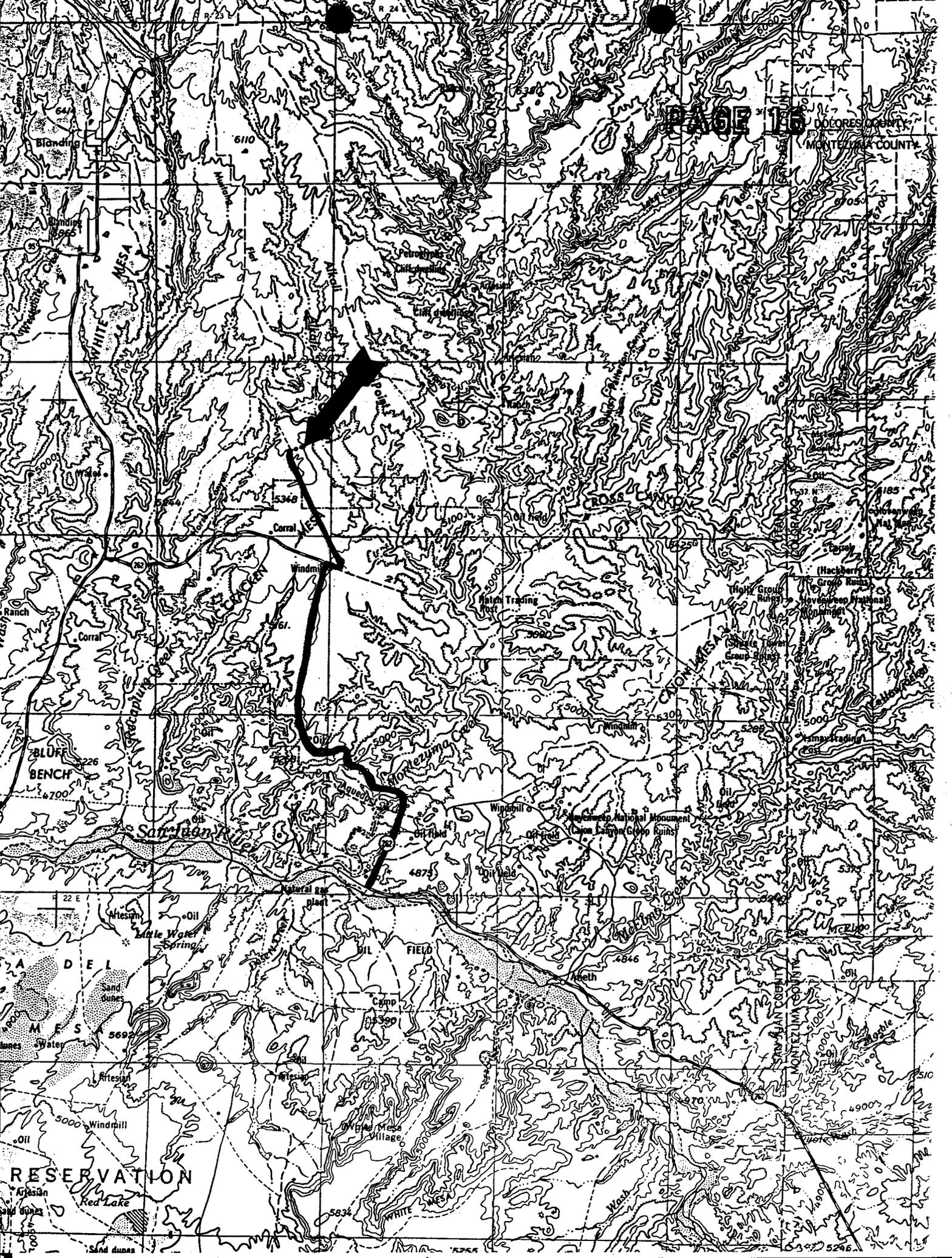
The field representatives for Wintershall Oil and Gas Corp. are:

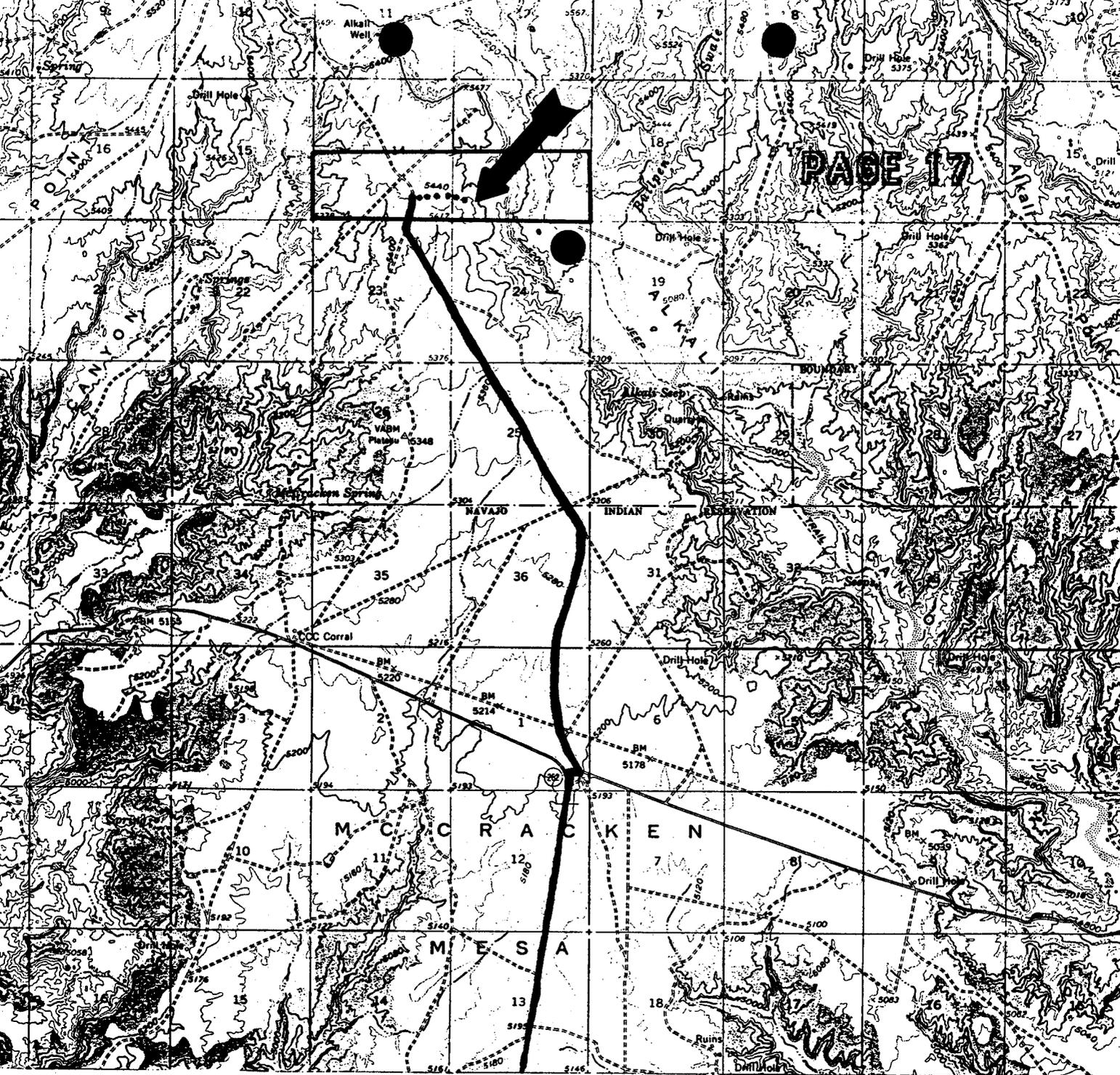
John W. Lowry	Ralph Sloane, Jr.
Area Superintendent	Consultant
Wintershall Oil and Gas Corp.	South River Road
P.O. Box 23	Farmington, NM
Towaoc, Co. 81334	(505) 327-9171
(303) 565-7773	
(Home: (303) 565-4880)	

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Wintershall Oil and Gas Corp. and its contractors and subcontractors in conformity with this 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.

Daniel P. Howell 11-3-86





PAGE 17

Wintershall Oil and Gas Corp. Horse Canyon 13-14 Federal
 460' FSL & 500' FWL 13-38S-23E SLBM
 San Juan County, Utah:.....



Proposed New Access:

Existing Access: ~~~~~

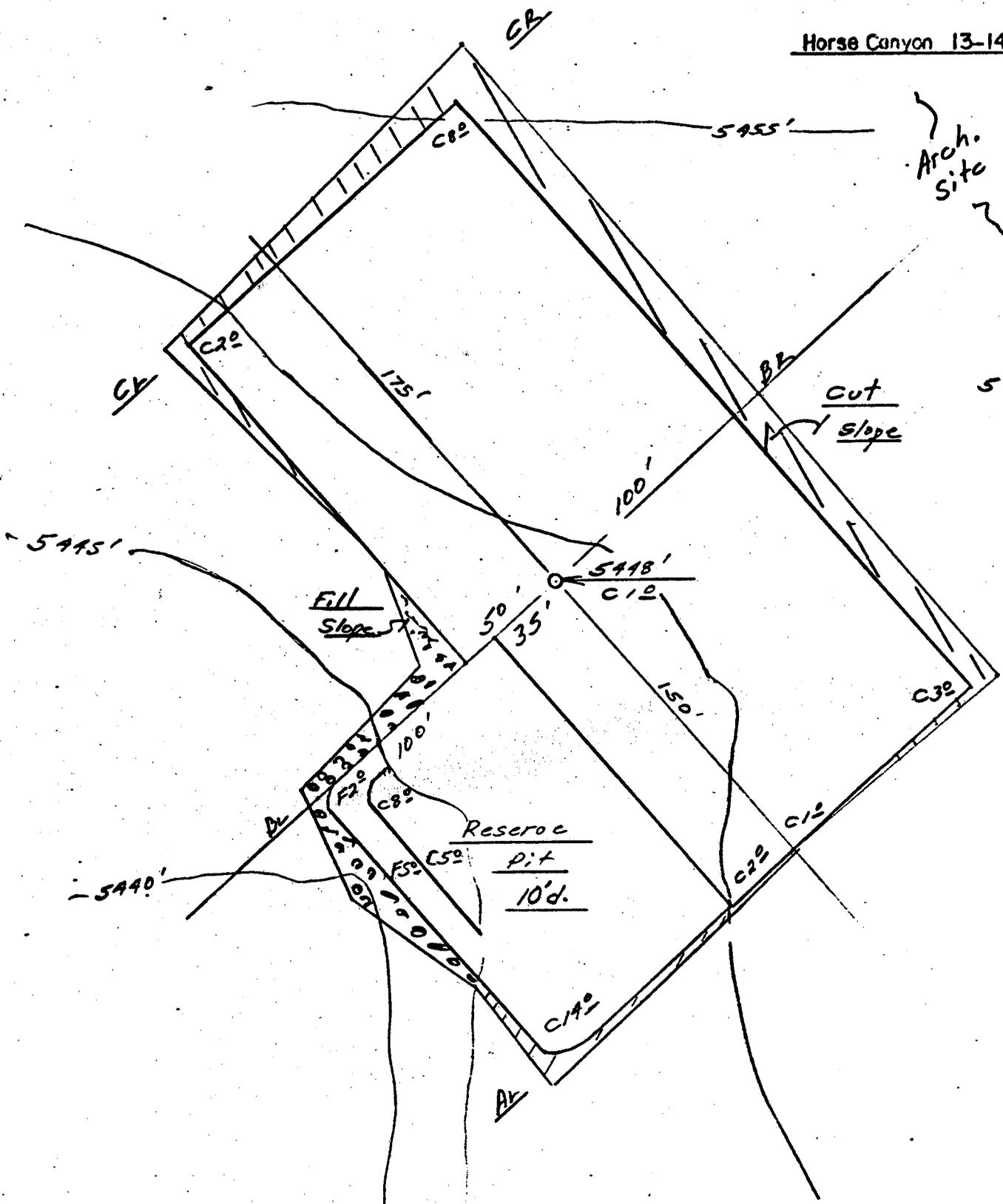
Lease U-20894:

Proposed Meridian Oil Havasu Federal 41-24 Well: ●

Horse Canyon 13-14



1" = 60'
5' contours



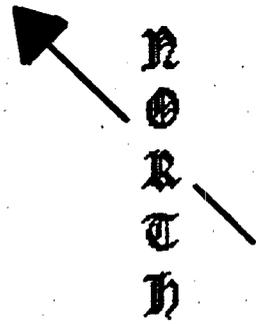
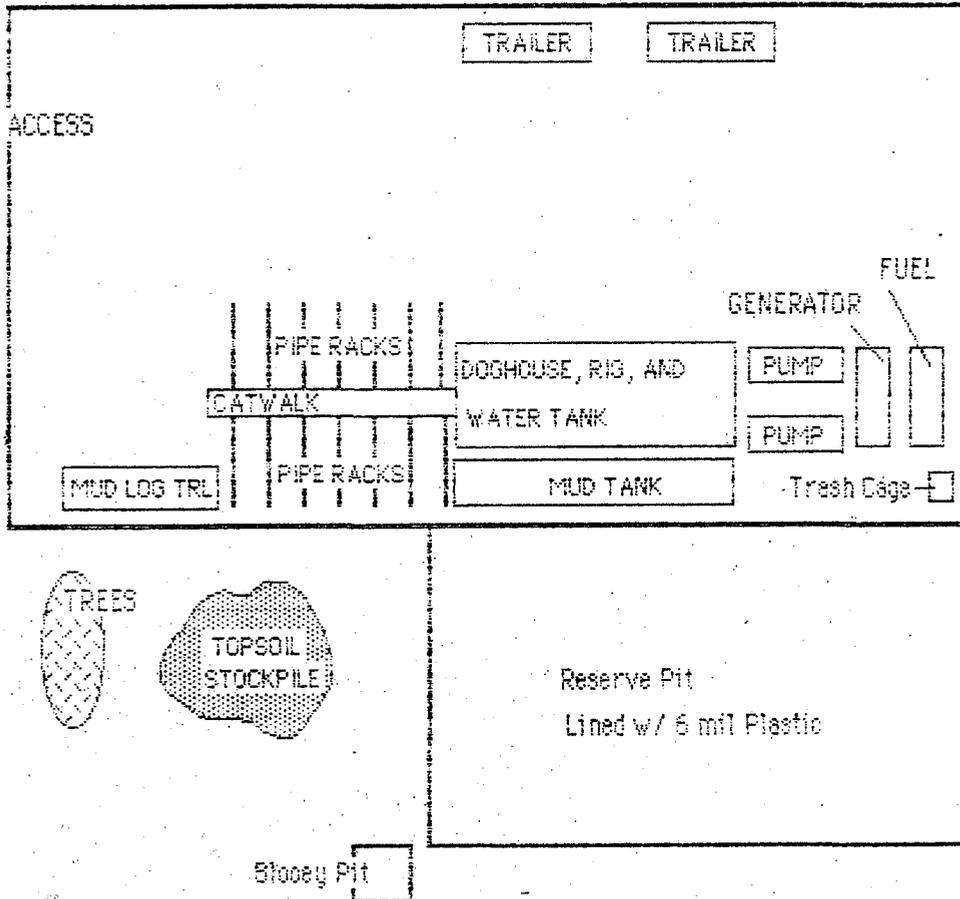
Arch. Site ?

Cut Slope

Fill Slope

Reserove
Pit
10'd.

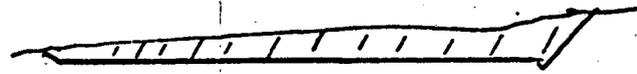
*Wintershall Oil and Gas Corp.
Horse Canyon 13-14 Federal
460' FSL & 500' FWL
Sec. 13, T. 38 S., R. 23 E.
San Juan County, Utah



NOTE: Fence north and east sides of pad

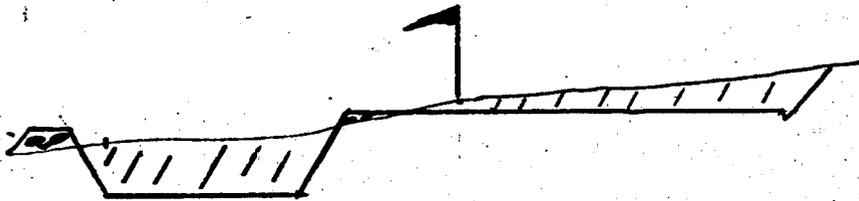
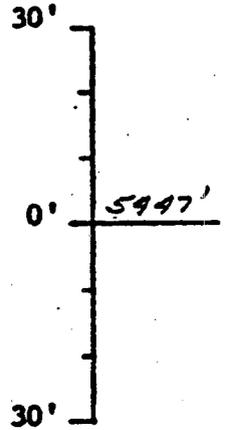
Cut 
Fill 

Scales: 1" = 60' H.
1" = 30' V.



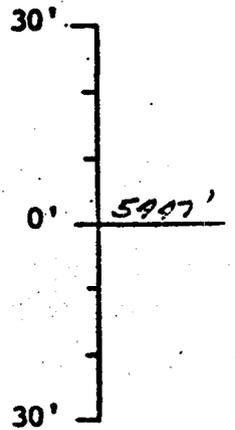
BL

BR



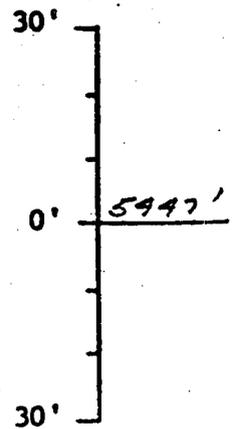
BL

BR



AL

AR



SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE:

SERIAL No.: U-20894

and hereby designates

NAME: Wintershall Corporation

ADDRESS: 5251 DTC Parkway, Suite 500, Englewood, CO. 80111

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

Township 38 South, Range 23 East

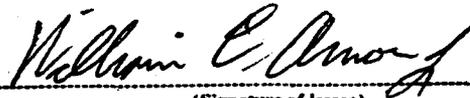
Section 13: S $\frac{1}{2}$ Section 14: S $\frac{1}{2}$

San Juan County, Utah

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

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

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



(Signature of lessee)

William C. Armour, Jr.

3422 So. Energy Lane, Casper, Wy. 82604

10/28/86

(Date)

(Address)

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE:
SERIAL NO.: UTAH 20894

and hereby designates

WINTERSHALL CORPORATION
NAME: 5251 DTC Parkway, Ste 500
ADDRESS: Englewood, CO 80111

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

Township 38 South, Range 23 East
Section 13: S $\frac{1}{2}$
Section 14: S $\frac{1}{2}$

San Juan County, Utah

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

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

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

ATTEST:

CHORNEY OIL COMPANY


Assistant Sec.

October 28, 1986

(Date)



Vice Pres. (Signature of lessee)
555 17th Street, Ste 1000
Denver, CO 80202-3910

(Address)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

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

STATE OFFICE: Salt Lake City, Utah
SERIAL NO.: U-20894

and hereby designates

Wintershall Corporation formerly
NAME: Wintershall Oil and Gas Corporation
ADDRESS: 5251 DTC Parkway Suite 500
Englewood, Colorado 80111

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

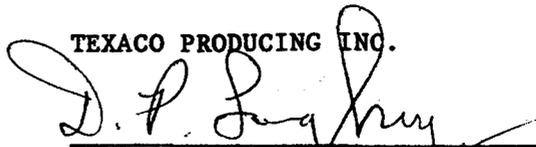
Township 38 South, Range 23 East, S.L.M.
Section 13: SW $\frac{1}{4}$ SW $\frac{1}{4}$

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

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

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

TEXACO PRODUCING INC.



(Signature of lessee)

By: D.P. Loughry
Attorney-in-Fact
P.O. Box 2100, Denver, Colorado 80201
(Address)

October 27, 1986
(Date)

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Moab District Office, Box 970, Moab, UT 84532
 SERIAL No.: U-20894

and hereby designates

NAME: Wintershall Oil & Gas Corp.
 ADDRESS: 5675 DTC Blvd., Suite 200
 Englewood, CO 80111

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

Township 38 South, Range 23 East
 Section 13: SW/4
 Section 14: SE/4
 San Juan County, Utah

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

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

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



(Signature of lessee)

Raymond T. Duncan
 1777 S. Harrison Street, Penthouse One
 Denver, Colorado 80210

(Address)

10/27/86

(Date)

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Moab District Office, Box 970, Moab, UT 84532
 SERIAL No.: U-20894

and hereby designates

NAME: Wintershall Oil & Gas Corp.
 ADDRESS: 5675 DTC Blvd., Suite 200
 Englewood, CO 80111

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

Township 38 South, Range 23 East
 Section 13: SW/4
 Section 14: SE/4
 San Juan County, Utah

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

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

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

DUNCAN EXPLORATION COMPANY

By: 

(Signature of lessee)

Raymond T. Duncan, Venture Manager
 1777 S. Harrison Street, Penthouse One
 Denver, Colorado 80210

(Address)

10/27/86

(Date)

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE:
SERIAL NO.: U-20894

and hereby designates

NAME: WINTERSHALL CORPORATION
ADDRESS: 5251 DTC Parkway, Ste. 500
Englewood, Colorado 80111

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

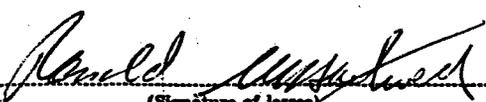
Township 38 South, Range 23 East, SLM
Section 13: SW $\frac{1}{4}$
Section 14: SE $\frac{1}{4}$
San Juan County, Utah

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

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

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

HARTWELL CORP. 83

By: 

(Signature of Lessee)
Ronald W. Hartwell, President
5941 S. Middlefield Road, Ste. 103
Littleton, Colorado 80123

October 28, 1986

(Date)

(Address)

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Utah
SERIAL No.: U-20894

and hereby designates

NAME: Wintershall Corporation
ADDRESS: 5251 DTC Parkway, Suite 500
Englewood, CO 80111

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

San Juan County, UT

Township 38S, Range 23E, S1M
Section 13: SW/4

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

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

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

TENNECO OIL COMPANY

By: *P.W. Cayce, Jr.*
(Signature of lessee)
P. W. Cayce, Jr., Attorney-in-Fact

October 29, 1986

(Date)

P. O. Box 3249, Englewood, CO 80155

(Address)

111202 - APD

120218 - Sec.

OPERATOR Wintershall Corp. DATE 11-7-86

WELL NAME Horse Canyon ^{Sub} 13-14

SEC SW SW 13 T 38S R 23E COUNTY San Juan

43-037-31281
API NUMBER

Federal
TYPE OF LEASE

CHECK OFF:

- PLAT
- BOND
- NEAREST WELL
- LEASE
- FIELD
- POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other wells in Sec. 13 or Sec 24 - NW NW

Water # - 09-1419 (A60809)

APPROVAL LETTER:

SPACING: 203 _____ UNIT 302

_____ CAUSE NO. & DATE 302.1

STIPULATIONS:



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

November 10, 1986

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

Gentlemen:

Re: Horse Canyon Federal 13-14 - SW SW Sec. 15, T. 38S, R. 23E
460' FSL, 500' FWL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302, Oil and Gas Conservation General Rules.

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, Oil and Gas Conservation General Rules.
5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.

Page 2
Wintershall Corporation
Horse Canyon Federal 13-14
November 10, 1986

6. 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 43-037-31281.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

13

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

111915

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

2. NAME OF OPERATOR
 Wintershall Corporation (303) 694-0988

3. ADDRESS OF OPERATOR
 5251 DTC Pkwy., Ste. 500, Englewood, Co. 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 460' FSL & 500' FWL (SWSW)
 At proposed prod. zone Same

5. LEASE DESIGNATION AND SERIAL NO.
 U-20894

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

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 Horse Canyon

9. WELL NO.
 13-14 Federal

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 13-385-23E SLBM

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 12 air 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)
 460'

16. NO. OF ACRES IN LEASE
 640

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.
 N/A

19. PROPOSED DEPTH
 6,350'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5,448' ungraded

22. APPROX. DATE WORK WILL START*
 Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

1. BOP, casing, and cementing programs are on PAGES 2-4
2. Well is located on federal surface and subsurface.
3. Well is an orthodox location.

RECEIVED
 NOV 17 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 Daniel P. Howell TITLE Operations Manager DATE 11-5-86

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Kenneth V. Rhea TITLE Acting DISTRICT MANAGER DATE NOV 14 1986

CONDITIONS OF APPROVAL, IF ANY:

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

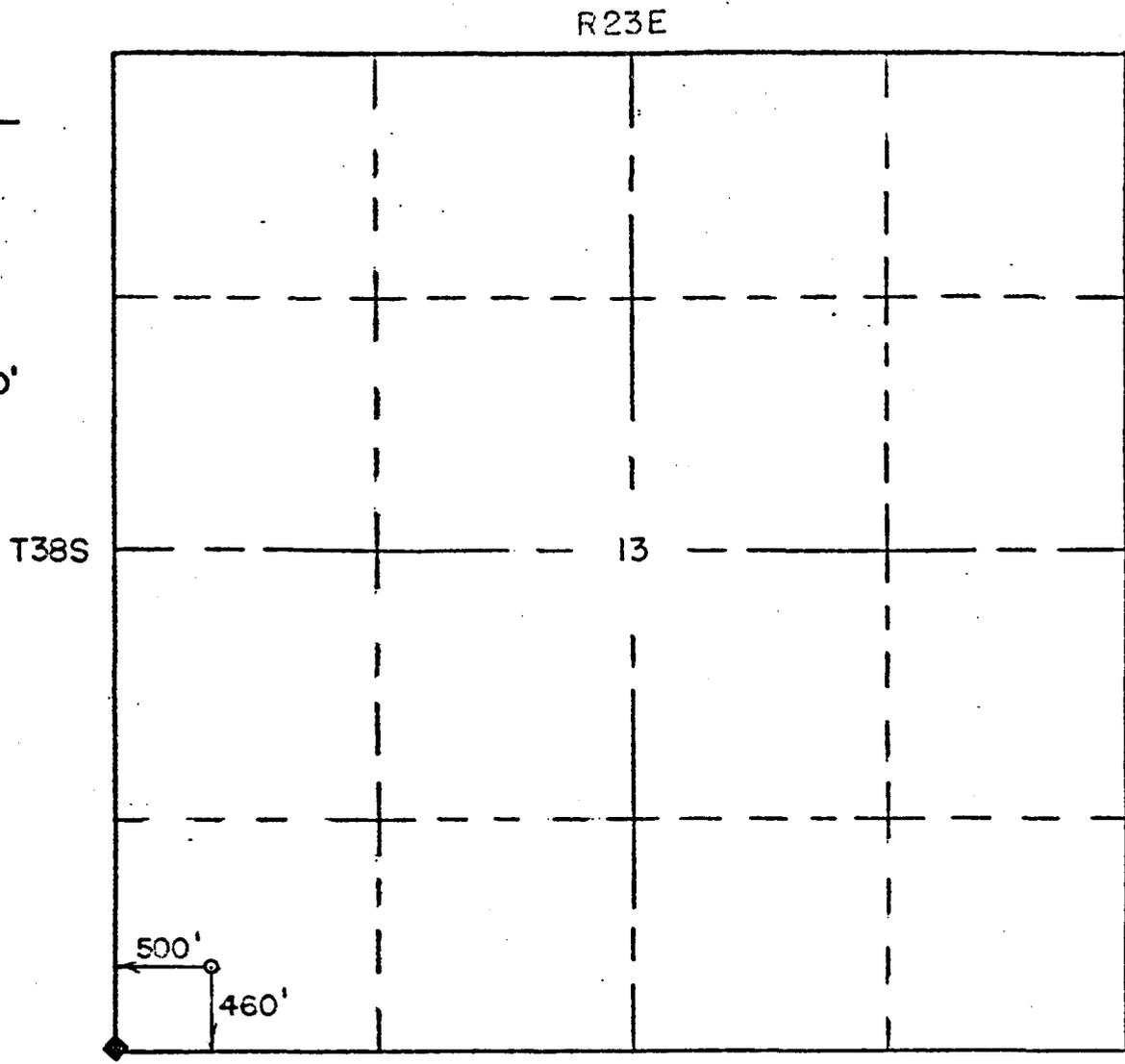
cc: Howell (3), Lowry (3), MDO (3), SJRA (1), UDOGMM (2)

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED

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 PLAT



WELL LOCATION DESCRIPTION:

WINTERSHALL OIL & GAS
Horse Canyon 13-14
500'FWL & 460'FSL
Section 13, T.38 S., R.23 E., SLM
San Juan County, Utah
5448'ground elevation
Reference: 680'FSL & 630'FWL, 5459'grd.

The above plat is true and correct to my knowledge and belief.

REGISTERED LAND SURVEYOR
No. 5705
GERRIT & HUBLETON
STATE OF UTAH
Gerrit & Hubleton
10-30-86

Wintershall Corporation
Well No. Horse Canyon 13-14 Federal
Sec. 13, T. 38 S., R. 23 E.
San Juan County, Utah
Lease U-20894

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

A. DRILLING PROGRAM

The well must be spudded by November 28, 1986 and completed by December 19, 1986.

The APD will be rescinded if the well is not spudded by this date.



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

November 26, 1986

AMENDED

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

Gentlemen:

Re: Horse Canyon Federal 13-14 - SW SW Sec. 13, T. 38S, R. 23E
460' FSL, 500' FWL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302, Oil and Gas Conservation General Rules.

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, Oil and Gas Conservation General Rules.
5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.

Page 2
Wintershall Corporation
Horse Canyon Federal 13-14
November 26, 1986

6. 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 43-037-31281.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D R. Nielson
8159T



116 State Capitol Building
Salt Lake City, UT 84114
Telephone 801-533-5245

JA

office of planning and budget

Norman H. Bangerter, Governor Dale C. Hatch, C.P.A., J.D., Director Michael E. Christensen, Ph.D., Deputy Director

RECEIVED
NOV 26 1986

DIVISION OF
OIL, GAS & MINING

November 25, 1986

Mr. John Baza
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

SUBJECT: Drill Permit - Wildcat Well on Federal Lease No. U-20894, San Juan
County - Wintershall Corporation
State Application Identifier #UT861113-030

Dear John:

The Resource Development Coordinating Committee of the State of Utah has reviewed this proposed action and no comments are indicated.

Thank you for the opportunity of reviewing this document. Please address any other questions regarding this correspondence to Carolyn Wright (801) 533-4971.

Sincerely,

Michael E. Christensen

Michael E. Christensen
Deputy Director

MEC/jw

Mail to: A-95 Coordinator, State Clearinghouse, 124 State Capitol, SLC, Utah 84114, 533-4971

1. Applicant

DIVISION OF OIL, GAS AND MINING
3 TRIAD CENTER
SUITE 350
SALT LAKE CITY, UTAH 84180-1203

2. State Application Identifier Number

3. Approximate date project will start
UPON APPROVAL

4. Areawide clearinghouse(s) receiving copy of STATE ACTION: (to be sent out by applicant)

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

5. Type of action: Lease Permit License Land Acquisition
 Land Sale Land Exchange Other: _____

6. Title of proposed action: APPLICATION FOR PERMIT TO DRILL

7. Description:

Wintershall Corporation intends to drill a wildcat well on federal lease number U-20894 in San Juan County, Utah. The Division of Oil, Gas and Mining has reviewed the application and is prepared to issue State approval to drill. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S. Bureau of Land Management is the primary review agency in this case and must also issue approval to drill before operations can commence.

8. Land affected (Site location map required) (Indicate county)

SW/4, SW/4, Sec.13, T.38S, R.23E, San Juan County, Utah

43-037-31281

9. Has the city/county been contacted regarding necessary zoning & building permits? Unknown

10. Possible significant impacts likely to occur:

No significant impacts are likely to occur

11. Name and phone number of district representative from your agency near project site, if applicable. Mr. William Hutchinson 1-259-8151

12. For further information, contact:

Phone: John Baza, 538-5340

13. Signature and title of authorized official
John R. Baza, Petroleum Engineer

Date: 11-10-86

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other Instructions on reverse side)

120206

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> WATER WELL <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. U-20894
2. NAME OF OPERATOR Wintershall Corporation (303) 694-0988	6. IF INDIAN, AGENCY OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 5251 DTC Parkway, Suite 500, Englewood, Co. 80111	7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Surface: 460' FSL & 500' FWL Bottom: Same	8. FARM OR LEASE NAME Horse Canyon
14. PERMIT NO. 43-037-31281	9. WELL NO. 13-14 Federal
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,448' ungraded	10. FIELD AND POOL, OR WILDCAT Wildcat
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 13-38S-23E SLBM
	12. COUNTY OR PARISH San Juan
	13. STATE Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Will change water source as described on PAGE 10 of APD. New source is NESE Sec. 13, T. 39 S., R. 24 E. Land is private and owner has given permission. Our use approved by Div. of Water Rights Nov. 21, 1986.

RECEIVED
DEC 01 1986

DIVISION OF
OIL, GAS & MINING

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

SIGNED

Brian Wood

TITLE

Consultant

DATE

11-24-86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: BLM (3), Clausen (1), Howell (1), UD00M (2)

*See Instructions on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR WINTERSHALL CORPORATION</p> <p>3. ADDRESS OF OPERATOR 5251 DTC PARKWAY, SUITE 500, Englewood, CO 80111</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 460' FSL & 500' FWL (SWSW)</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. U-20894 012003</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A</p> <p>7. UNIT AGREEMENT NAME N/A</p> <p>8. FARM OR LEASE NAME Horse Canyon</p> <p>9. WELL NO. #13-14 Federal</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 13-38S-23E SLBM</p> <p>12. COUNTY OR PARISH 13. STATE San Juan Utah</p>	
<p>14. PERMIT NO. 43-037-31281</p>	<p>15. ELEVATIONS (Show whether DF, HT, GR, etc.) 5448' ungraded</p>	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) Abandoned location <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Wintershall has decided not to drill this particular site at this time. No dirt work or other construction was every commenced.

RECEIVED
JAN 14 1987

DIVISION OF
OIL, GAS & MINING

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

SIGNED David Howell TITLE Operations Manager DATE 1/12/87

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



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

January 21, 1987

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

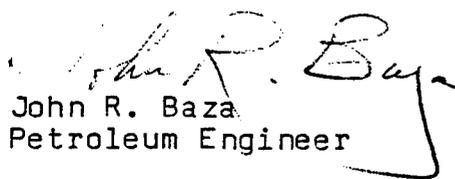
Gentlemen:

RE: Well No. Horse Canyon Federal #13-14, Sec.13, T.38S, R.23E,
San Juan County, Utah, API NO. 43-037-31281

Per your request, approval to drill the subject 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
0327T-44

87027

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

CALVIN BLACK

Chairman

P. O. Drawer A1 • Price, Utah 84501 • Telephone 637-5444

WILLIAM D. HOWELL
Executive Director

JAN 30 1987

DIVISION OF
OIL, GAS & MINING

AREAWIDE CLEARINGHOUSE A-95 REVIEW

NOI ___ Preapp ___ App ___ State Plan ___ State Action X Subdivision ___ (ASP # 11-1119-7)

Other (indicate) _____ SAI Number UT86113-030

Applicant (Address, Phone Number):

Division of Oil, Gas and Mining
3 Triad Center
Salt Lake City, Utah 84180-1203

Federal Funds:

Requested: _____

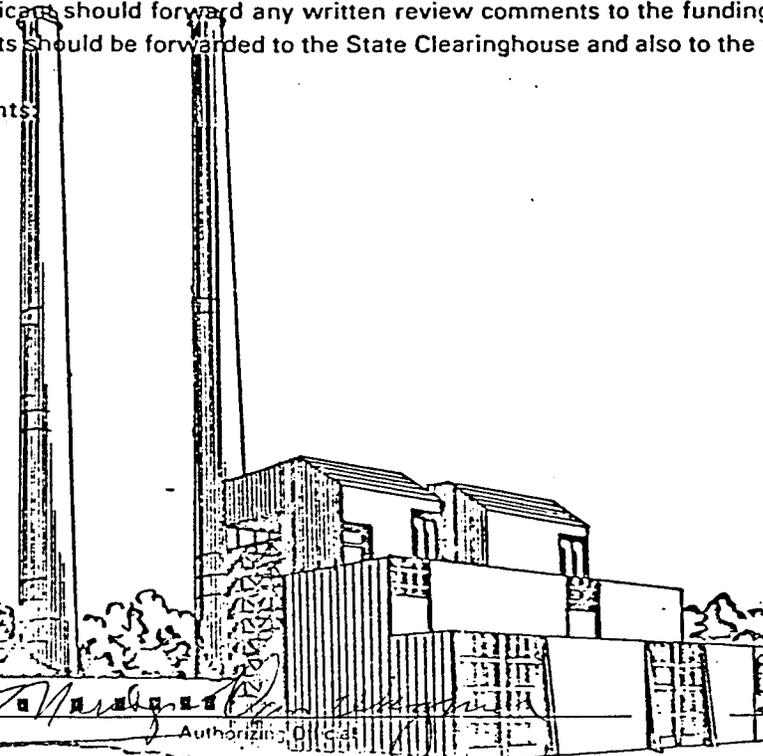
Title:

APPLICATION FOR PERMIT TO DRILL
Wintershall Corporation

- No comment
- See comments below
- No action taken because of insufficient information
- Please send your formal application to us for review. Your attendance is requested

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments:



1-28-87

Authorizing _____

Date _____

REGIONAL CLEARINGHOUSE

020405

3162 (U-065)
(U-20894)

V/A

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

RECEIVED
JAN 30 1987
FEB 02 1987

Wintershall Corporation
5251 DTC Pkwy., Ste. 500
Englewood, CO 80111

DIVISION OF
OIL, GAS & MINING

Re: Rescinding Application for
Permit to Drill
Well No. Horse Canyon 13-14 Fed
Sec. 13, T. 38 S., R. 23 E.
San Juan County, Utah
Lease U-20894

43-037-31081

Gentlemen:

The Application for Permit to Drill the referenced well was approved on November 14, 1986. A condition of approval on this application stated if the well was not spudded by November 28th and completed by December 19, 1986 the application would be rescinded.

There has been no known activity at the approved location. 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/ Kenneth V. Rhea

ACTING

District Manager

cc:

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

bcc:

U-942, Utah State Office

CFreudiger/cf 1/28/87