

UTAH OIL AND GAS CONSERVATION COMMISSION



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

Location Abandoned - Well never drilled Nov 24, 81

DATE FILED 5-11-81
 LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-10188 INDIAN _____

DRILLING APPROVED: 6-29-81

SPUDDED IN: _____
 COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____
 GRAVITY A.P.I. _____

GOR: _____
 PRODUCING ZONES: _____

TOTAL DEPTH: _____
 WELL ELEVATION: 7208 1 GR

DATE ABANDONED: 11-24-81 LA

FIELD: WILDCAT 3/86

UNIT: _____
 COUNTY: UINTAH

WELL NO. BOTTOM CANYON FEDERAL #1 API NO. 43-047-31001

LOCATION 1980' FT. FROM ~~00~~ (S) LINE. 1980' FT. FROM (E) ~~00~~ LINE. NW SE 1/4 - 1/4 SEC. 8

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
15S	21E	8	EXXON CORPORATION				

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Exxon Corporation

3. ADDRESS OF OPERATOR
 P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1980' FEL & 1980' FSL of Section
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 75 miles South from Ouray *NWSE*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE 800

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

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

19. PROPOSED DEPTH 10,600' *rotation*

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7208' Ungraded ground

22. APPROX. DATE WORK WILL START*
 July 31, 1981

5. LEASE DESIGNATION AND SERIAL NO.
 U-10188

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Bottom Canyon Federal

9. WELL NO.
 1

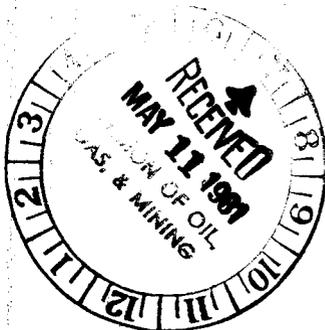
10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 8, T15S, R21E

12. COUNTY OR PARISH 13. STATE
 Uintah Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94.0#	40'	Readi Mix
17 1/2"	13 3/8"	54.5#	500'	to Surface
12 1/4"	9 5/8"	40.0#	6200'	3000 cu ft
7 7/8"	5 1/2"	15.5#, 17#	10600'	900 cu ft



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.

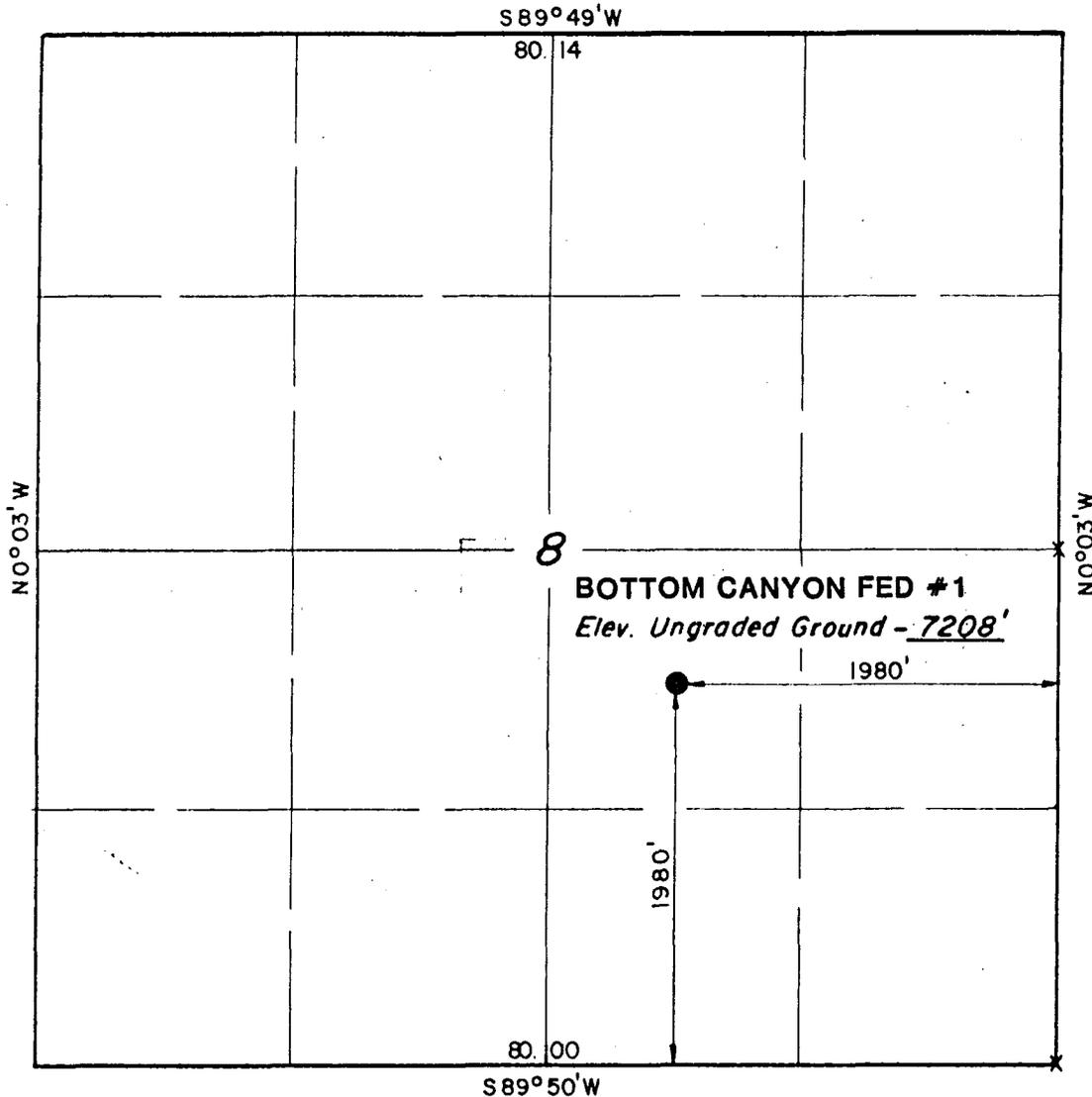
24. SIGNED Melba Kripling TITLE Unit Head DATE 5-7-81
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
 APPROVED BY _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY _____
 DATE: 6-26-81
 BY: [Signature]

T15S , R21E , S.L.B. & M.

PROJECT
EXXON CORPORATION

Well location, **BOTTOM CANYON FED #1**, located as shown in the NW 1/4 SE 1/4 Section 8, T15S, R21E, S.L.B. & M. Uintah County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

David Stewart

REGISTERED LAND SURVEYOR
 REGISTRATION NO 3154
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 P. O. BOX Q - 85 SOUTH - 200 EAST
 VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	4/14/81
PARTY	GS TJ BJ RP	REFERENCES	GLO Plat
WEATHER	Clear / Warm	FILE	EXXON CORP.

BOTTOM CANYON #1

1. The Geologic name of the surface formation:

Tertiary Green River

2. The estimated tops of important Geologic Markers:

Wasatch	2475'
Cretaceous Mesaverde	3875'
Mancos Shale	5975'
Cretaceous Dakota	9775'
Jurassic Morrison	9975'

3. The estimated depths at which anticipated water, oil or other mineral bearing formations are expected to be encountered.

Water - Green River/Wasatch	2475'
Mesaverde	3875'
Morrison	9975'
Gas - Wasatch and Mesaverde	2475'-3875'
Dakota	9775'
Morrison	9975'

4. Proposed Casing Program:

<u>String</u>	<u>Size/Weight/Grade</u>	<u>Condition</u>	<u>Depth Interval</u>
Conductor	20' /94/H-40	New	0-40'
Surface	13-3/8"/54.5/K-55	New	0-500'
Intermediate	9-5/8"/40/K-55	New	0-6200'
Production	5-1/2"/17.0/K-55	New	0-700'
	5-1/2"/15.5/K-55	New	700-4000'
	5-1/2"/17.0/K-55	New	4000-10,600'

5. Minimum specification for pressure control equipment:

a.) Casinghead Equipment, Sweet Gas

Lowermost Head:	13-3/8" LTC x 12" 2000 psi
B - Section:	12" 2000 psi x 10" 3000 psi
Tubinghead:	10" 3000 psi x 6" 5000 psi
Tubinghead Adaptor:	6" 5000 psix 2-1/2" 5000 psi
Tree:	2-1/2" 5000 psi

b.) Blowout Preventers

Refer to attached drawings titled "Type V" and Type "II-C" for a description of the BOP stacks and choke manifolds. The "Type V" stack will be installed initially on the lowermost casinghead after the 13-3/8" casing is set, and "Type II-C" after the 9-5/8" casing is set.

c.) BOP Control Unit

Unit will be hydraulically operated and have at least one control station. A remote station is to be located 60 feet from the wellhead.

d.) Testing

When installed, the BOP stack will be tested at a low pressure (200-300 psi) and to at least 2000 psi. At approximately weekly intervals, the stack will be tested to at least 70% of its rated working pressure. An operational test of the BOP's is to be performed on each round trip (but not more than once each day); the annular and pipe ram preventer will be closed on drill pipe, and the blind rams will be closed while pipe is out of the hole.

6. Type and anticipated characteristics of Drilling Fluid:

Depth Interval Ft.	Mud Type	Weight ppg	Funnel		PV CP	WL (cc)	Solids %	YP #/100 ft ²	ph
			Visc Sec/Qt						
0-500	Fresh	8.4-8.8	28-35		2-6	NC	2-5	2-8	10
500-6200	Fresh	8.5-9.2	30-45		2-10	10-15	4-8	4-10	10
6200-TD	Air	---	---		---	---	---	---	---

Mud weight and viscosity will be maintained at minimum levels compatible with operating conditions. When air drilling, not less than 300 barrels of mud will be the pits to displace the hole if necessary.

7. Auxiliary Control Equipment:

- a.) Kelly Cocks: Upper and Lower installed on kelly.
- b.) Safety Valve: Full-opening ball-type to fit each type and size of drill pipe in use available on rig floor, in open position for stabbing into drill pipe when kelly is not in string.
- c.) Pit volume totalizer to monitor mud pits.
- d.) Trip tank to insure that hole is full and takes proper amount of fluid on trips.
- e.) A float at the bit will not be used unless conditions dictate.

8. The testing and logging program to be followed:

Drill Stem Tests - (based on shows) - one is planned in the Dakota.

Cores - one is planned in the Dakota.

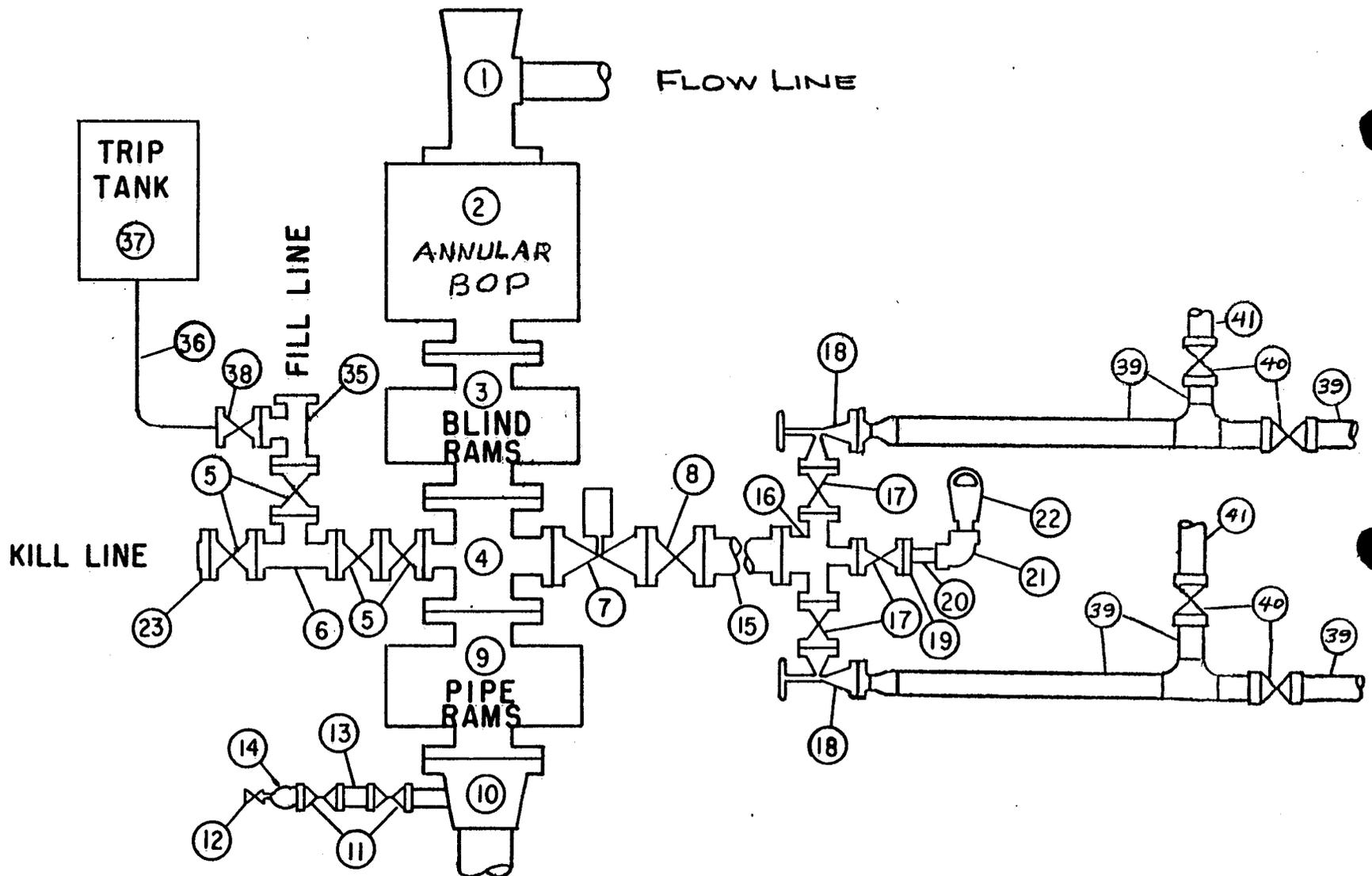
Logs to be run from TD to Surface Casing -

Caliper, DIL, BHC - Sonic with Gamma Ray, FDC - CNL with Gamma Ray.

Stimulation - At this time stimulation plans have not been worked out to the point that volumes and types of fluid or positioning of equipment can be given. As necessary this information will be supplied on Sundry Notices.

9. No abnormal pressure, temperature hazards, or H₂S are anticipated.
10. It is anticipated that the drilling operation will begin on July 31, 1981, and be completed on August 31, 1981.

MIDLAND DRILLING ORGANIZATION
BLOWOUT PREVENTER SPECIFICATION
TYPE II - C



9/15/73

BLOWOUT PREVENTER SPECIFICATION
EQUIPMENT DESCRIPTION

TYPE II-C

All equipment should be at least 2000 psi WP or higher unless otherwise specified.

1. Bell nipple.
2. Hydril or Shaffer bag type preventer.
3. Ram type pressure operated blowout preventer with blind rams.
4. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
5. 2-inch (minimum) flanged plug or gate valve.
6. 2-inch by 2-inch by 2-inch (minimum) flanged tee.
7. 4-inch pressure operated gate valve.
8. 4-inch flanged gate or plug valve.
9. Ram type pressure operated blowout preventer with pipe rams.
10. Flanged type casing head with one side outlet (furnished by Exxon).
11. 2-inch threaded (or flanged) plug or gate valve (furnished by Exxon).
Flanged on 5000# WP, threaded on 3000# WP or less.
12. Needle valve (furnished by Exxon).
13. 2-inch nipple (furnished by Exxon).
14. Tapped bull plug (furnished by Exxon).
15. 4-inch flanged spacer spool.
16. 4-inch by 2-inch by 2-inch by 2-inch flanged cross.
17. 2-inch flanged plug or gate valve.
18. 2-inch flanged adjustable choke.
19. 2-inch threaded flange.
20. 2-inch XXH nipple.
21. 2-inch forged steel 90° E11.
22. Cameron (or equal.) threaded pressure gage.
23. Threaded flange.

35. 2-inch flanged tee.
36. 3-inch (minimum) hose. (Furnished by Exxon).
37. Trip tank. (Furnished by Exxon).
38. 2-inch flanged plug or gate valve.
39. 2-1/2-inch pipe, 300' to pit, anchored.
40. 2-1/2-inch SE valve.
41. 2-1/2-inch line to steel pit or separator.

NOTES:

1. Items 3, 4 and 9 may be replaced with double ram type preventer with side outlets between the rams.
2. The two valves next to the stack on the fill and kill line to be closed unless drill string is being pulled.
3. Kill line is for emergency use only. This connection shall not be used for filling.
4. Replacement pipe rams and blind rams shall be on location at all times.
5. Only type U, LWS and QRC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.
6. Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi or lower WP BOP stacks.

SURFACE USE PLAN

Exxon Corp. #1 USA Bottom Canyon Federal
1980' FSL and 1980' FEL of Section 8 T.15S.,
R.21E., S. L. B. & M.
Federal Lease #U-10188
Utah County, Utah

1. EXISTING ROADS - Area Map, Exhibit "A" is a copy of the Wolf Point, Utah, USGS quad.
 - A. Exhibit "A" shows the proposed well site as staked.
 - B. From Ouray go southerly down Seep Ridge Road to P.R. Springs, then go westerly along the Bookcliffe divide and Winter Ridge to 21.5 miles to a point near a stock pond. The location is then .9 mile northwest along the staked route.
 - C. This is an exploratory well and all roads within a three-mile radius are shown on Exhibit "A".
 - D. The existing ranch road will be improved and graded as required.
2. PLANNED ACCESS ROADS - Exhibit "A" shows approximately .9 mile of new access to be constructed. Approximately .2 mile of road will be constructed on State Land in section 16. It is also planned to improve and maintain the V Canyon Road shown in Exhibit "A" to haul water from Willow Creek if necessary.
 - 1) The maximum width of the .9 mile of new road will be 16 feet.
 - 2) The maximum grade will be less than 8 percent.
 - 3) No turnouts will be necessary.
 - 4) The road will not require any drainage features such as culverts. However, where necessary ditches will be constructed to handle surface water.
 - 5) No surface material will be put on the road.
 - 6) No gates, cattleguards or fence cuts will be necessary.
 - 7) Flags have been set along the center line of the road.
3. LOCATION OF EXISTING WELLS WITHIN A TWO-MILE RADIUS -
 - 1) Water Wells - None Known
 - 2) Abandoned Wells - None
 - 3) Temporarily Abandoned Wells - None Known

- 4) Disposal Wells - None Known
 - 5) Drilling Wells - None Known
 - 6) Producing Wells - None Known
 - 7) Shut-In Wells - None Known
 - 8) Injection Wells - None Known
 - 9) Monitoring or observation wells - None Known
4. TANK BATTERIES, PRODUCTION FACILITIES AND LEASE PIPELINE
- A. There are no tank batteries, production facilities or pipelines within one mile of the location controlled by lessee.
 - B. If production is established, production facilities will be erected on the drill pad.
 - C. Rehabilitation of any disturbed areas no longer needed for operations after completion of the production facilities will be done. This will consist of reshaping the existing surface and seeding as specified.
5. LOCATION AND TYPE OF WATER SUPPLY - The water to be used in drilling and/or completion operations will be obtained either by drilling a well on the location or from Meadow Creek, accessed by the road down V Canyon to be maintained as needed. If it is not practical to obtain water from these sources, water will be obtained from Willow Creek in the Southeast quarter of section 9, T. 14S., R.21E. over the existing road down Bull Canyon. Roads would be maintained by grading. Application is being made to the Utah Division of Water Rights for a Temporary Application to Appropriate Water.
6. SOURCE OF CONSTRUCTION MATERIALS - No construction materials other than what is found in building the location or road will be used.
7. WASTE DISPOSAL
- A. Drill cuttings will be disposed of in the reserve pit.
 - B. Most drilling fluid will be disposed of in a permeable formation below surface casing depth. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling.
 - C. Water produced during tests will be disposed of in the reserve pit. Oil produced during tests will be stored in test tanks until sold, at which time it will be hauled from site.

- D. Sewage from trailer houses will drain into holes at least 10' deep, which will be kept covered until backfilled. An outdoor toilet will be provided for the rig crews; this area will be backfilled during cleanup after rig move-out.
 - E. Trash, waste paper and garbage will be contained in a trash pit fenced with a small mesh wire to prevent wind-scattering during collection.
 - F. When rig moves out, all garbage and trash will be hauled to an approved disposal dump.
8. ANCILLARY FACILITIES - No camps are planned. An air strip exists approximately 3 miles south of the location in Section 2, T15S, R21E. In the event the drilling crews are to be brought in by air, the air strips would be graded and used.
9. WELLSITE LAYOUT
- A. Exhibit "B" shows the proposed wellsite layout.
 - B. This exhibit indicates proposed location of mud, reserve, burn, and trash pits; pipe racks and other major rig components; living facilities; soil stockpile; parking area; and turn in from access road.
 - C. Mud pits in the active circulating system will be steel pits, and the reserve pit is proposed to be unlined, unless subsurface conditions encountered during pit construction indicate that lining is needed for lateral containment of fluids.
10. RESTORATION OF SURFACE
- A. Upon completion of the operation and disposal of any trash and debris as discussed earlier, pits will be backfilled and leveled or contoured as soon as practical after drying-time. Drillsite surface will be reshaped to combat erosion, and stockpiled topsoil will be distributed to extent available. Prior to leaving the drillsite upon rig move-out, any pit that is to remain open for drying will be fenced and so maintained until backfilled and reshaped.
 - B. Exxon will rehabilitate road as per BLM recommendations.
 - C. Revegetation of the drill pad will comply with BLM requirements.
 - D. Any oil on pits will be removed or otherwise disposed of to USGS approval.
 - E. Rehabilitation operations will start in the Spring after completion and be completed in the Fall to BLM specifications.

11. OTHER INFORMATION

- 1) The new road will follow an existing ridge from the access road. The soil has some gravel. Vegetation is principally native grasses. No surface use activity other than grazing is carried on in the area.
- 2) The drillsite is on BLM Land. It will be necessary to cross state owned land in Section 16, T15S, R21E.
- 3) There are no dwellings, archeological, historical or cultural sites apparent in the area. There are no ponds, streams or water wells in the area. There are no buildings of any kind in the area.

12. OPERATOR'S REPRESENTATIVE - Exxon's field representative for contact regarding compliance with the Surface Use Plan is:

H. G. Davidson
P. O. Box 2300
Midland, TX 79702
Office Phone: 915-685-9355
Home Phone: 915-694-5324

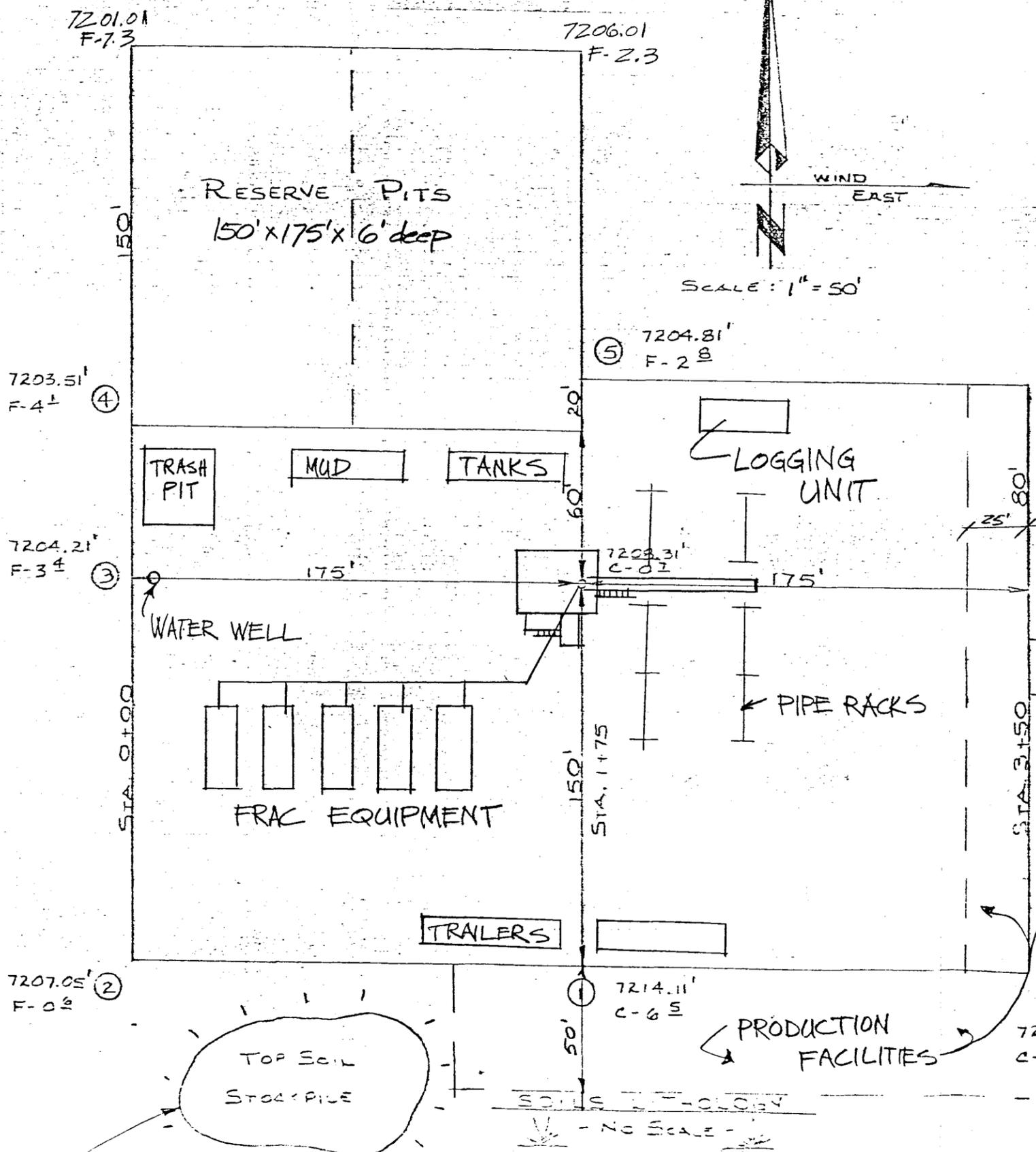
13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by the Exxon Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date May 4, 1981


H. G. Davidson

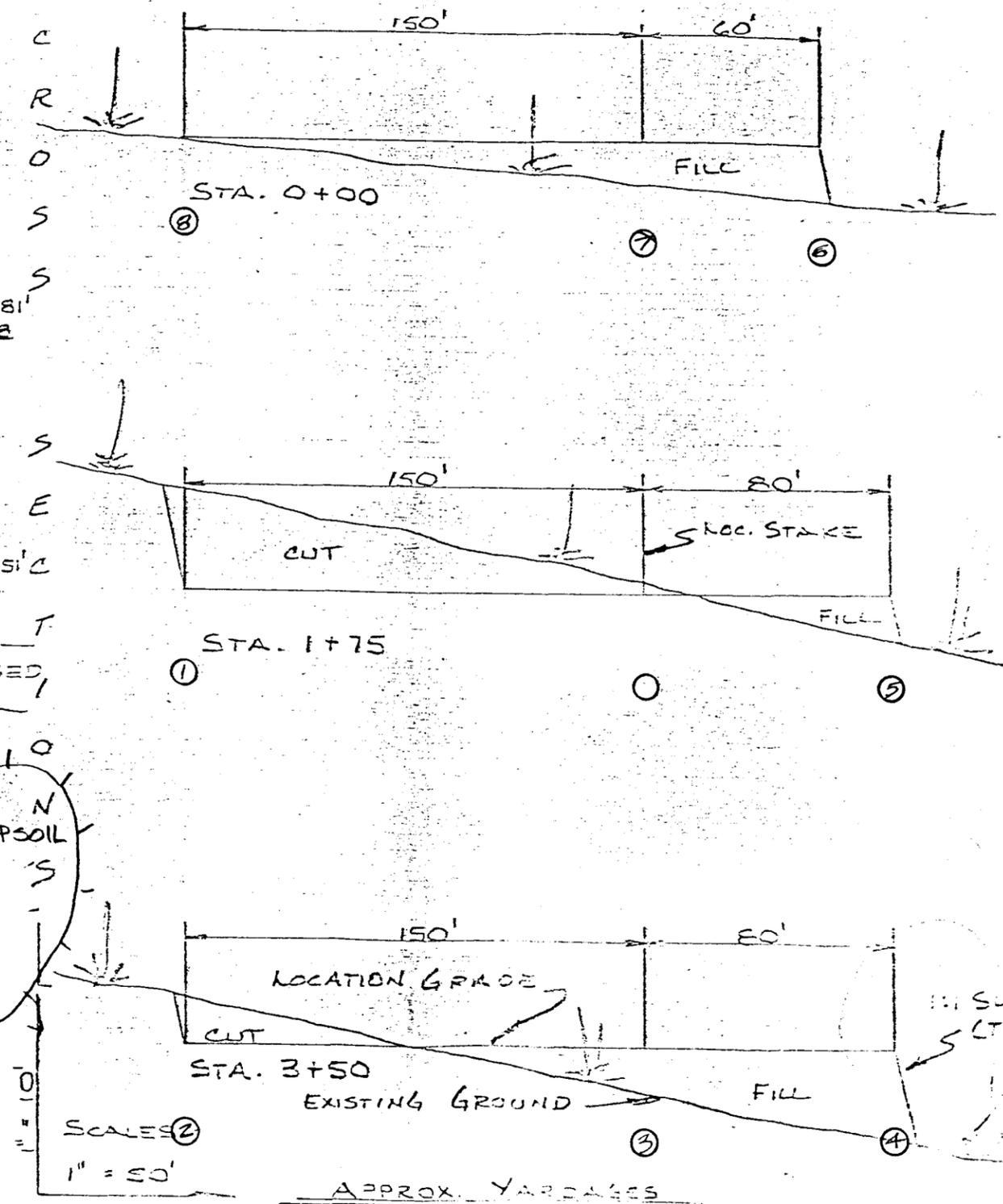
EXHIBIT "B"



4 to 6' of Topsoil removed from location and stockpiled.

EXXON COMPANY USA

BOTTOM CANYON FEDERAL #1
NW SE SEC 8 T.15S, R.21E.
UINTAH CO., UTAH



CUBIC YARDS CUT = 4049

CUBIC YARDS FILL = 275

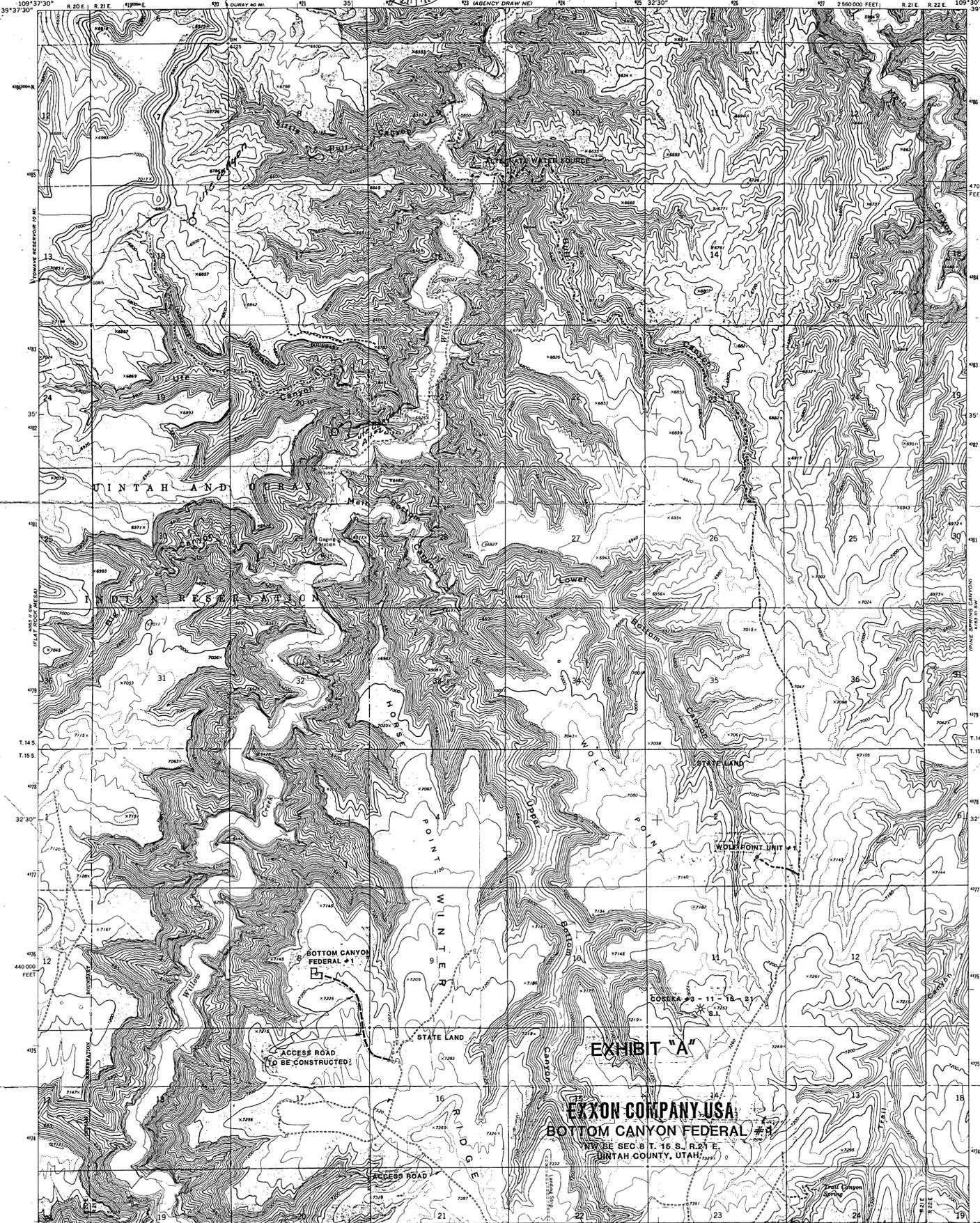
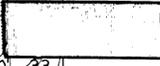
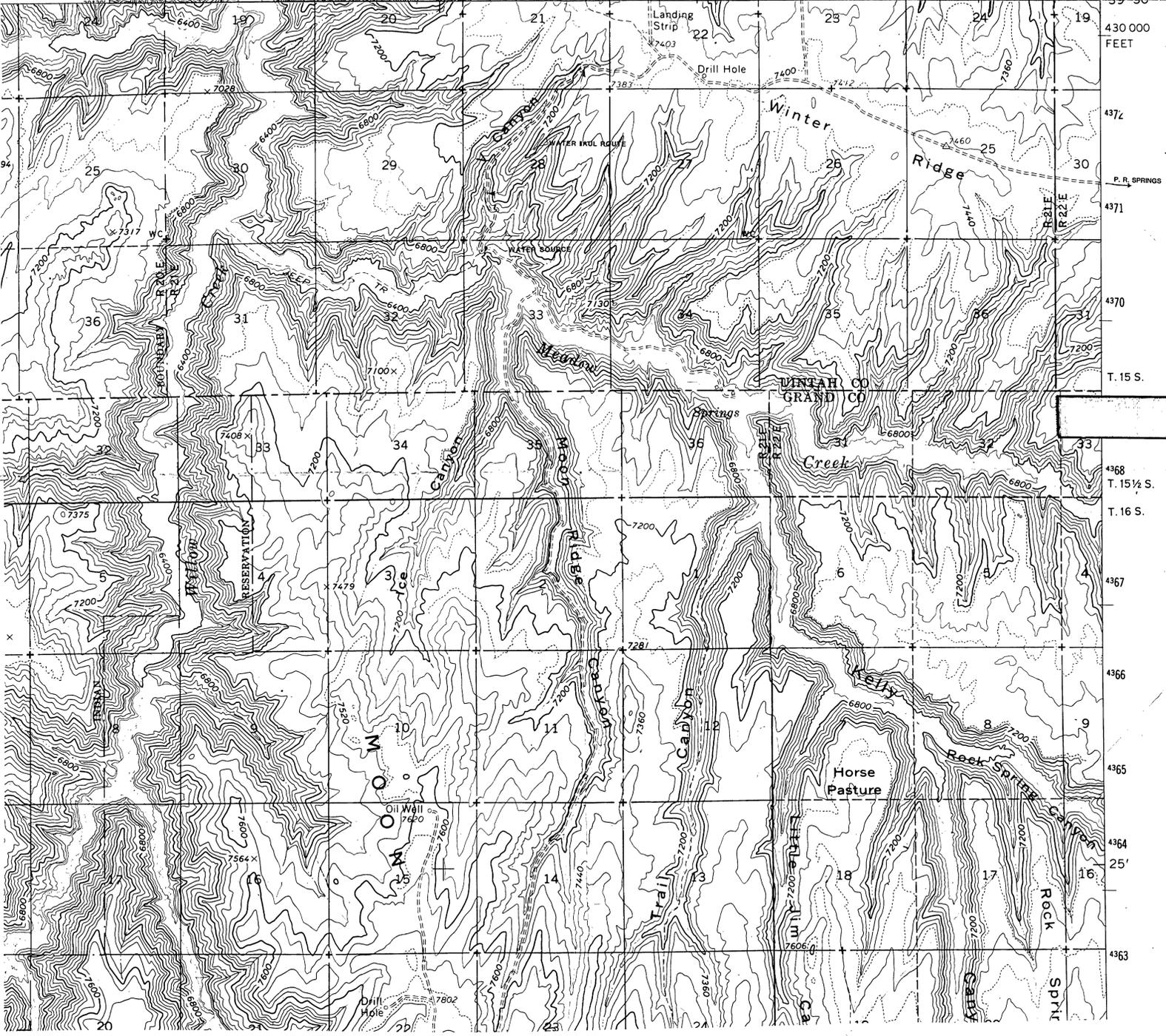


EXHIBIT "A"

EXXON COMPANY USA
BOTTOM CANYON FEDERAL #1
NW 1/4 SEC 8 T. 15 S. R. 21 E.
UINTAH COUNTY, UTAH



** FILE NOTATIONS **

DATE: June 12, 1981
OPERATOR: Exxon Corp.
WELL NO: Bottom canyon Fed. #1
Location: Sec. 8 T. 15S R. 21E County: Uintah

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

API Number 43-047-31001

CHECKED BY:

Petroleum Engineer: M. J. Minder 6-26-81

Director: _____

Administrative Aide: ok as per Rule C-3, ok on boundaries, ok on any other oil or gas wells

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. _____ O.K. Rule C-3

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

Lease Designation Fed. Plotted on Map

Approval Letter Written

Hot Line P.I.

June 29, 1981

Exxon Corporation
P. O. Box 1600
Midland, Texas 79700

RE: Well No. Bottom Canyon Federal #1
Sec. 8, T. 15S, R. 21E,
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

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

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

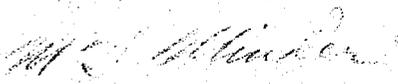
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-31001.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Michael T. Minder
Petroleum Engineer

MTM/db
CC: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Exxon Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FEL and 1980' FSL of Section
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*

(other) Cancel Application

SUBSEQUENT REPORT OF:

RECEIVED
NOV 24 1981

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

**DIVISION OF
OIL GAS & MINING**

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

Please cancel the Application for Permit to Drill for the above well. It will not be drilled.

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

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

SIGNED Melba Kripling TITLE Unit Head DATE November 16, 1981

(This space for Federal or State office use)

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