

UTAH OIL AND GAS CONSERVATION COMMISSION

8 ✓

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

* Location Abandoned - Well never drilled - 9-29-82

DATE FILED 7-20-81

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-10182 INDIAN

DRILLING APPROVED: 7-27-81

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: LA 9-29-82

FIELD: Wildcat 3/96

UNIT:

COUNTY: Uintah

WELL NO. Crooked Canyon Unit #4 API# 43-047-31033

LOCATION 1845 FT. FROM (N) (S) LINE. 1763' FT. FROM (E) (W) LINE. NW SE 1/4 - 1/4 SEC. 28

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				14S	23E	28	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
 1845' FSL & 1763' FEL of Section
 At proposed prod. zone

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1763'

16. NO. OF ACRES IN LEASE
 2229.24

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH
 9500'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7091' ungraded GR

22. APPROX. DATE WORK WILL START*
 September 1, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	40'	To surface (80 cu. ft.)
17 1/2"	13 3/8"	54.5#	500'	To surface (450 cu. ft.)
12 1/4"	9 5/8"	40#	5000'	To surface (1900 cu. ft.)
7 7/8"	5 1/2"	17# & 15.5#	9500'	1000 cu. ft.

BOP Program:

Type V to be installed on 13 3/8" csg.
 Type II 2000 psi to be installed on 9 5/8" csg.

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 Knippling TITLE Unit Head DATE July 8, 1981
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY (Orig. Sgd.) A. M. RAFFOUL FOR E. W. GUYNN DATE AUG 18 1981
 CONDITIONS OF APPROVAL, IF ANY: _____ TITLE DISTRICT ENGINEER

NOTICE OF APPROVAL

State & C

CONDITIONS OF APPROVAL ATTACHED
 TO OPERATOR'S COPY

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

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U 1082

OPERATOR: Exxon Corp

WELL NO. 4

LOCATION: 1/2 NW 1/4 SE 1/4 sec. 28, T. 14S, R. 23E, SLM
Uintal County, Utah

1. Stratigraphy: Green River - surface

<u>Wasatch</u>	<u>1170</u>
<u>Mesa Verde</u>	<u>4570</u>
<u>Mancos</u>	<u>5570</u>
<u>Dakota</u>	<u>8340</u>
<u>Morrison</u>	<u>8500</u>

2. Fresh Water:

Probable from surface through ~ 3000'

3. Leasable Minerals:

below leasable oil shale.

4. Additional Logs Needed:

adequate

5. Potential Geologic Hazards:

none expected

6. References and Remarks:

Signature: [Handwritten Signature]

Date: 8 - 11 - 81

United States Department of the Interior
 Geological Survey
 2000 Administration Bldg.
 1745 West 1700 South
 Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Exxon Corporation
 Project Type Gas Well
 Project Location 1845' FSL 1763' FEL Section 28, T. 14S, R. 23E
 Well No. Crooked Canyon #4 Lease No. U-10182
 Date Project Submitted July 10, 1981

FIELD INSPECTION

Date August 6, 1981

Field Inspection
 Participants

<u>Greg Darlington</u>	<u>USGS, Vernal</u>
<u>Cory Bodman</u>	<u>BLM, Vernal</u>
<u>Mark Bolton</u>	<u>Exxon Corporation</u>
<u>Roy O'Brien</u>	<u>Exxon Corporation</u>
<u>Floyd Murray</u>	<u>D. E. Casada</u>

Related Environmental Documents: Unit Resource Analysis, Seep Ridge
Planning Unit, BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

August 10, 1981
 Date Prepared

Gregory Darlington
 Environmental Scientist

I concur

AUG 11 1981
 Date

W. Mactus FOR **E. W. GYNN**
 District Supervisor DISTRICT ENGINEER

PROPOSED ACTIONS:

Exxon Corporation plans to drill the Crooked Canyon #4 well, a 9500' gas test of various formations. A new access road of about .6 miles will be required and an existing jeep trail of 2.6 miles will require considerable widening and upgrading. A pad approximately 200' by 375' and a reserve pit about 70' by 250' are planned for the location. The reserve pit will probably require lining because of existing ledgerrock. A further decision on this will be made at the time of actual construction after consultation with the BLM.

RECOMMENDED APPROVAL CONDITIONS:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD:

1. BLM Stipulations
2. Lease Stipulations
3. Provide adequate logs for the identification of other minerals as requested in the Mineral Evaluation Report and Mining Report.
4. Consult with BLM after digging the pits to determine whether a lining will be required for them.

5. IF the water well planned for this location is successful, BLM would be interested in having it available for other operations in the area, particularly other drilling operations or as a fresh water source for livestock. A supplemental BLM stip regarding the water source will be forthcoming generally to the effect that they would like a water well if one is encountered.

FIELD NOTES SHEET

Date of Field Inspection: August 6, 1981

Well No.: Crooked Canyon Unit #4

Lease No.: U-10182

Approve Location: ✓

Approve Access Road: ✓

Modify Location or Access Road: Based on the topography the pits will probably require lining to prevent seepage through bedrock.

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) Three other locations INGCC and 2 Coscoke will use

substantial portions of the 3.2 mile new access road proposed for this location. Currently the first 2.6 miles is a jeep trail. The construction of this road and location will take considerable roadwork. Drilling is anticipated to begin on or before September 1, 1981

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Correspondence (date)	Phone check (date)	Meeting (date)						
Public health and safety							1, 2, 4, 6	August 6, 1981	
Unique characteristics							1, 2, 4, 6		
Environmentally controversial							1, 2, 4, 6		
Uncertain and unknown risks							1, 2, 4, 6		
Establishes precedents							1, 2, 4, 6		
Cumulatively significant							1, 2, 4, 6		
National Register historic places							1, 6		
Endangered/threatened species							1, 6		
Violate Federal, State, local, tribal law							1, 2, 4, 6	▼	



United States Department of the Interior

IN REPLY REFER TO

T & R
U-802

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

August 10, 1981

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Exxon Company, USA
Crooked Canyon Unit Well #4
Sec 28, T14S, R23E
U-10182
Uintah County, Utah

Dear Sir:

A joint field examination was made on August 6, 1981, of the above referenced well site locations and proposed access roads. We feel that the surface use and operating plans are adequate with the following revisions and stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas and construction of pipeline routes, shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. Traveling off access road right-of-ways will not be allowed. The maximum width of access pads (both existing and planned) will be 30 feet total disturbed area. Roads will be crowned and properly maintained. Turn-outs will not be required.
3. The BLM will be notified at least 24 hours prior to any construction.
4. Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well sites. Refuse must be contained in trash cages and hauled to an approved disposal site.
5. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.
6. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.



7. PR Spring may not be used as a water source.
8. Live trees that must be removed may be pushed over and stockpiled separately from the topsoil. Large pieces of dead wood should also be stockpiled separately from the topsoil.
9. It was agreed to by all parties present that the applied for dimensions are adequate to handle all drilling and fracturing operations.
10. These wells will be in winter shut down locations. In order to minimize watershed damage at these sites will be allowed only during the period from April 30 to November 1. This limitation does not apply to maintenance and operation of producing wells.
11. The reserve pits will be lined if necessary.
12. The top 4" of topsoil will be stockpiled between reference corners #7 and #8.
13. The brush and trees will be stockpiled between reference corners #6 and #7.
14. If South Canyon Creek is used as a water source the road in said canyon will be watered to keep the dust settled.

An archaeological clearance was done by the AERC company. No cultural resources were found.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna or their habitats as long as the above stipulations are adhered to.

The BLM representative will be Cory, Bodman, 789-1362.

Sincerely,



Dean L. Evans
Area Manager
Bookcliffs Resource Area

cc: USGS, Verna1



United States Department of the Interior

IN REPLY REFER TO

T & R
U-802

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

August 10, 1981

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Supplemental Stipulation for
Exxon Company, USA
Crooked Canyon Unit Well #4
Sec 28, T14S R23E
U-10182
Uintah County, Utah

Dear Sir:

1. If the Exxon Company develops a water well at the above mentioned location, said company shall contact the Vernal BLM office prior to abandonment to see if the BLM is interested in taking over the water well.

Sincerely,

Dean L. Evans
Area Manager
Bookcliffs Resource Area

cc:
USGS, Vernal



DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Interest in Exploration Well for Water Development

Memorandum

To: District Engineer, USGS
2000 ADMINISTRATION BLDG
1745 W 1700 S. SALT LAKE CITY
(Address)

From: District Manager, BLM
1705 500E
VERNAL, UTAH, Utah
(District & Address)

Subject: Interest in Exploration Well for Water Development

The Application for Permit to Drill from EXXON COMPANY

(Name and address of lessee or operator)

Lease No. U-10182

Indicates that exploration drilling for oil and gas, minerals,
 water, other _____, will take place on SE 1/4,
Sec. 28, Twp. 14S, R. 23E.

We are not interested in a water well at this site.

We are interested in this site as a source of water development for
LIVESTOCK purposes provided that:
(livestock, recreation, etc.)

- * 1. Conversion cost will not exceed \$ to be determined
- * 2. It is a flowing well.
- * 3. Total depth to the base of the deepest fresh water zone does not exceed _____ feet.
- * 4. Pumping depth does not exceed _____ feet.
- 5. Expected flow exceeds 1 GPM.
- 6. Total dissolved solids do not exceed 10,000 Mg/L.
- 7. Other

BLM representative will be CORY BOPMAN 789-1362
(Name, Address, & Telephone No. of District Manager)

* TO BE DETERMINED ON ABANDONMENT

District Manager

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

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



*Exxon Crooked Canyon #4
North View*

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 1845' FSL & 1763' FEL of Section NW SE
 At proposed prod. zone

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1763'

16. NO. OF ACRES IN LEASE 2229.24

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH 9500' *normal*

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7091' ungraded GR

22. APPROX. DATE WORK WILL START*
September 1, 1981

5. LEASE DESIGNATION AND SERIAL NO.
U-10182

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Crooked Canyon Unit

8. FARM OR LEASE NAME
Crooked Canyon Unit

9. WELL NO.
4

10. FIELD AND POOL, OR WILDCAT
Wildcat

SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T14S, R23E

COUNTY OR PARISH Uintah 13. STATE Utah

DIVISION OF OIL GAS & MINING

RECEIVED
JUL 14 1981

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	40'	To surface (80 cu. ft.)
17 1/2"	13 3/8"	54.5#	500'	To surface (450 cu. ft.)
12 1/4"	9 5/8"	40#	5000'	To surface (1900 cu. ft.)
7 7/8"	5 1/2"	17# & 15.5#	9500'	1000 cu. ft.

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

DATE: 7/22/81
 BY: [Signature]

BOP Program:
 Type V to be installed on 13 3/8" csg.
 Type II 2000 psi to be installed on 9 5/8" csg.

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.

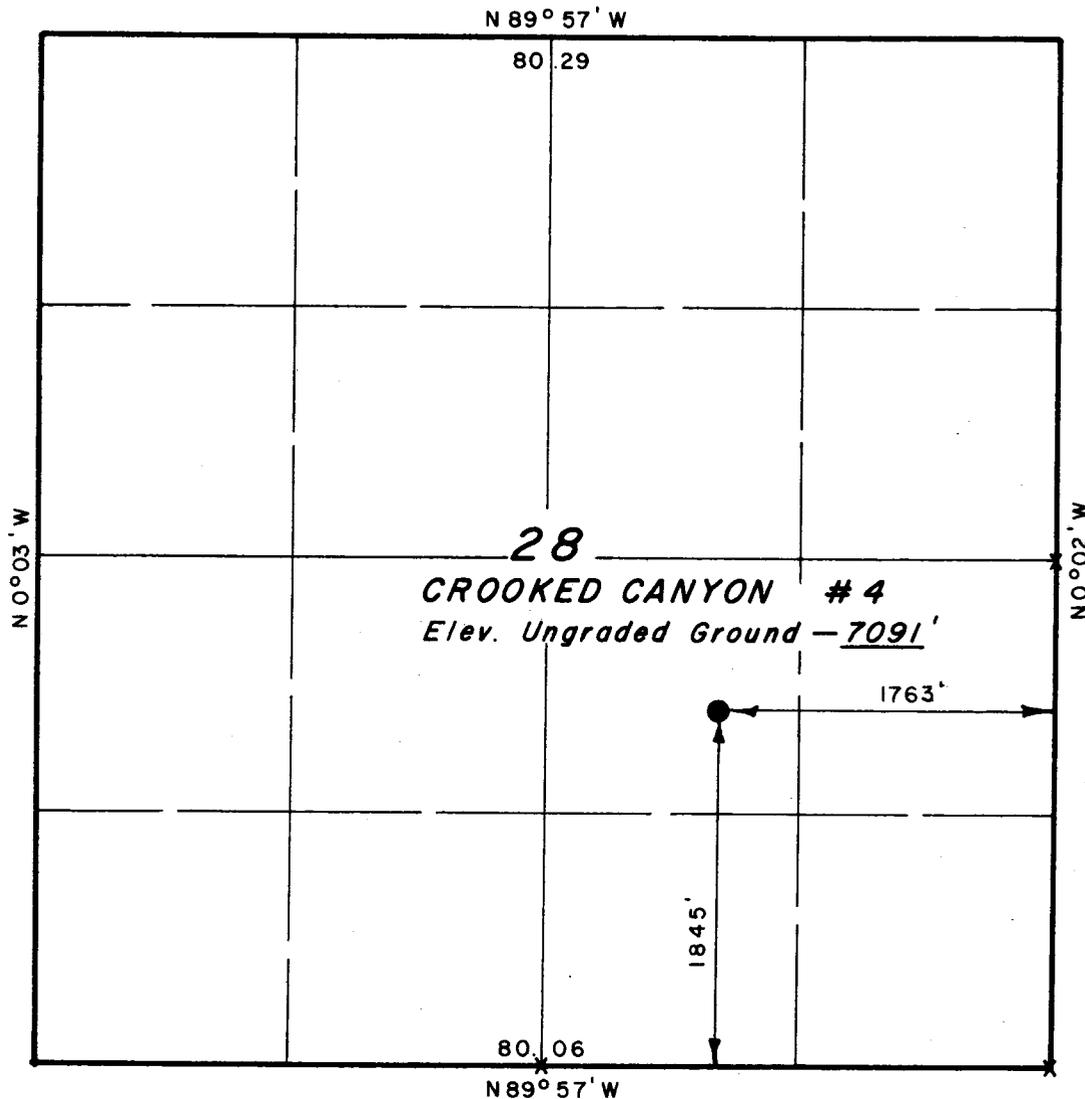
24. SIGNED Melvin Knippling TITLE Unit Head DATE July 8, 1981
 (This space for Federal or State office use)

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

T14S, R23E, S.L.B.&M.

PROJECT
EXXON CORPORATION

Well location, *Crooked Canyon #4*,
located as shown in the NW1/4 SE1/4
Section 28, T14S, R23E, 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.

Robert J. ...

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

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

SCALE 1" = 1000'	DATE 7/2/81
PARTY NJM, HM, LM RS	REFERENCES GLO PLAT
WEATHER FAIR & HOT TO CLOUDY & RAIN	FILE EXXON CORP.

CROOKED CANYON NO. 4
Section 28, T14S - R23E
Uintah County, Utah

1. The Geologic name of the surface formation

Tertiary Green River

2. The estimated tops of important Geologic Markers.

Wasatch	1170'
Cretaceous Mesaverde	4570'
Mancos Shale	5570'
Cretaceous Dakota	8340'
Jurassic Morrison	8615'

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

Water - Green River/Wasatch	1170'
Mesaverde	4570'
Morrison	8615'
 Gas - Wasatch and Mesaverde	 1170'
Dakota	8340'
Morrison	8615'

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	0-5000'
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	4000-9500'

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 psi X 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 50 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		WL (cc)	Solids %	YP #/100 ft ²	ph
			Visc Sec/Qt	PV CP				
0-500	Fresh	8.4-8.8	28-35	2-6	NC	2-5	2-8	10
500-5000	Fresh	8.5-9.2	30-45	2-10	10-15	4-8	4-10	10.5
5000-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 in 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 follows:

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 -

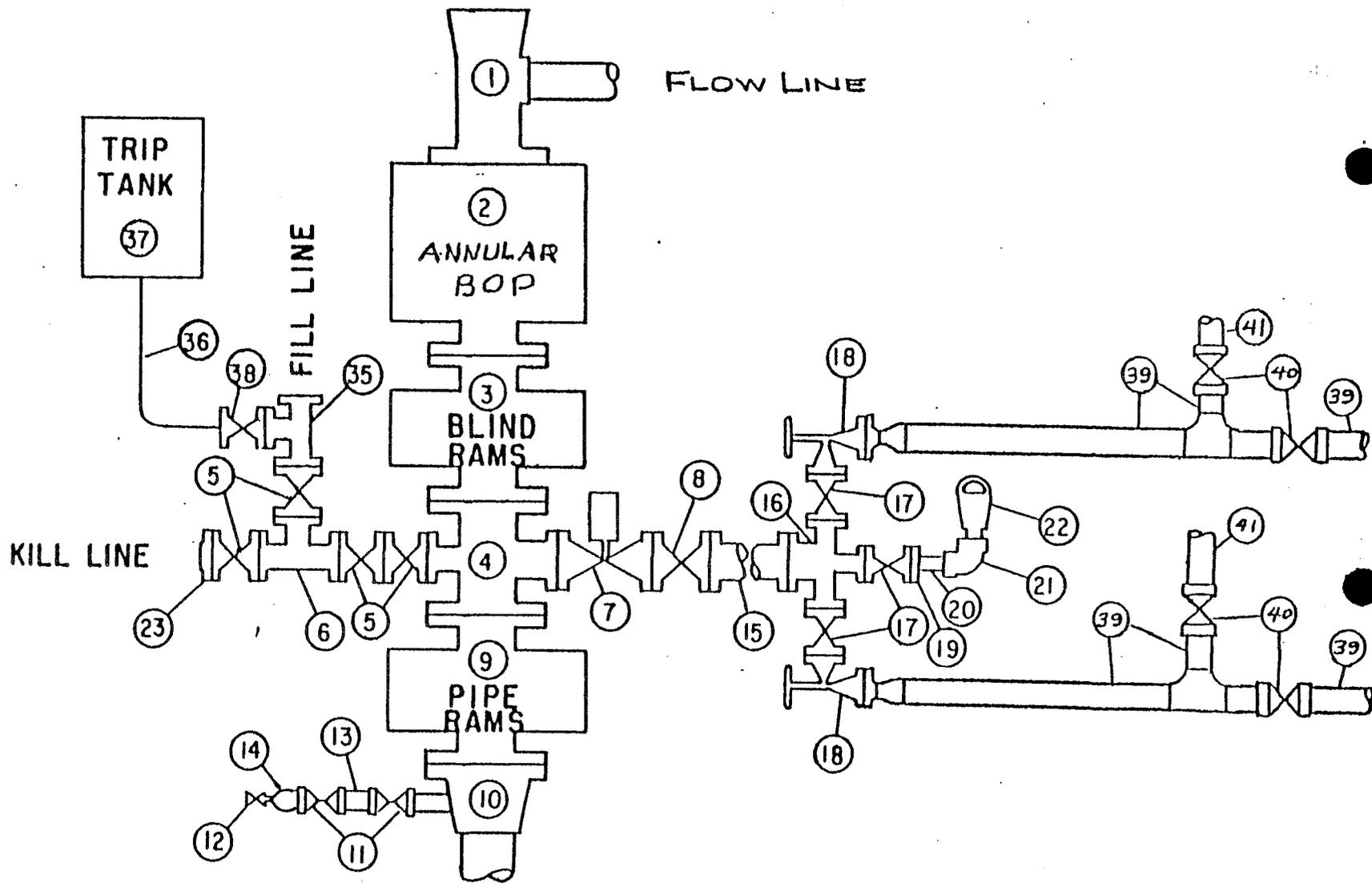
DIL, BHC - Sonic with Gamma Ray, FDC - CNL with Gamma Ray.

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 by Sundry Notices.

9. No abnormal pressure, temperature hazards, or H₂S are anticipated.

10. It is anticipated that the drilling operation will begin on September 1, 1981 and be completed on November 1, 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° Ell.
22. Cameron (or equal.) threaded pressure gage.
23. Threaded flange.

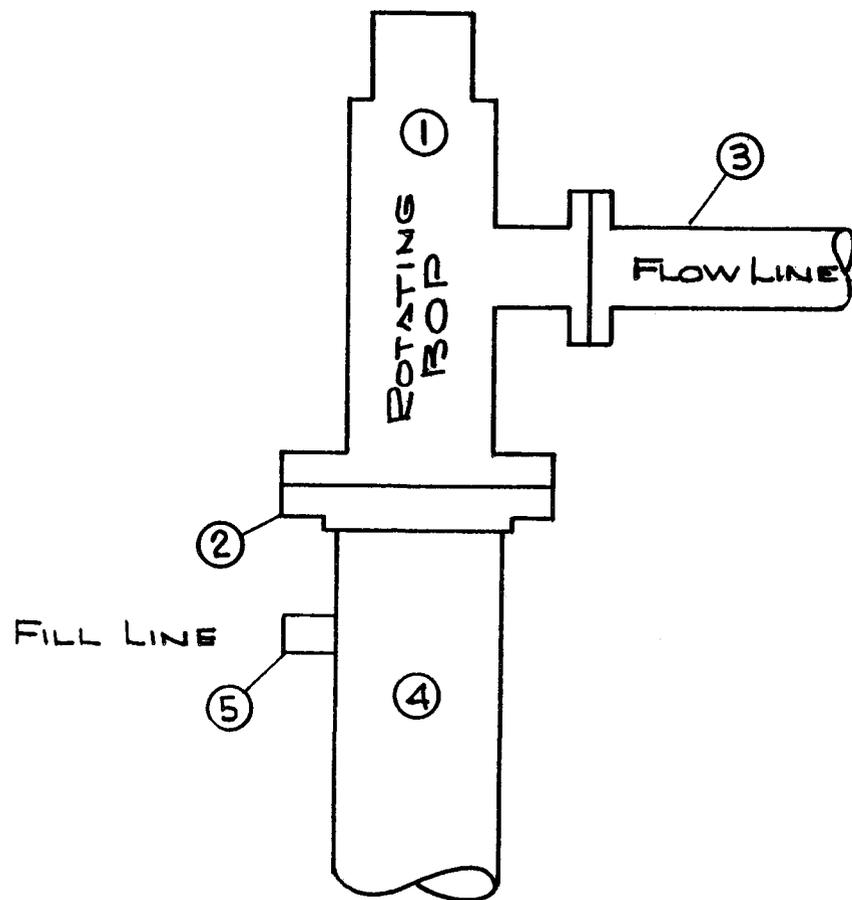
35. 2-inch flanged tee.
36. 3-inch (minimum) hose. (Furnished by Exxon).
37. Trip tank. (Furnished by Exxon).
38. 2-inch flanged plug or gate valve.
39. 2-1/2-inch pipe, 300' to pit, anchored.
40. 2-1/2-inch SE valve.
41. 2-1/2-inch line to steel pit or separator.

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.

MIDLAND DRILLING ORGANIZATION
BLOWOUT PREVENTER SPECIFICATION
TYPE V

91-I



EQUIPMENT FOR FLOW DIVERSION

1. ROTATING TYPE BOP
2. SLIP-ON OR THREADED FLANGE
3. FLOWLINE
4. CONDUCTOR PIPE
5. COUPLING WELDED TO CONDUCTOR

SURFACE USE PLAN

Exxon Corporation #4 - Crooked Canyon Unit
1763' FEL & 1845' FSL, Sec. 28, T14S, R23E
Lease No. U-10182, Uintah County, Utah

1. EXISTING ROADS - Area Map, Exhibit "A" is a portion of Cooper - Canyon, Utah USGS quad.
 - A. Exhibit "A" shows the proposed well site as staked.
 - B. From Ouray go southerly down Seep Ridge Road 49.6 miles to turn off at Monument Ridge Road, and follow Monument Ridge Road northerly approximately 3.8 miles to a ranch road going northwest. Follow the ranch road approximately 2.5 miles to the flagged route. Follow the flagged route .6 miles to the location.
 - C. Approximately 3000' of new road will be constructed as shown on Exhibit "A". The 2.5 miles of ranch road will be improved by widening.
 - D. The only existing public road within a three-mile radius is the Seep Ridge Road, as shown on Exhibit "A". This is a graded road.
 - E. No improving or any maintenance to the existing Indian Ridge Road is planned except to grade the road as necessary.
2. PLANNED ACCESS ROADS - Exhibit "A" shows all necessary access roads to be constructed.
 - A. Maximum width of the crown of the improved ranch road and 300' of new road will be 18'.
 - B. Maximum grade will be 12%.
 - C. No turnouts will be required along the ranch road.
 - D. Drainage structures will not be necessary; however, water bars will be utilized as needed.
 - E. No culverts will be required.
 - F. No surface materials will be needed.
 - G. No gates, cattleguards, or fence cuts will be necessary.
 - H. The center line of the ranch road and 3000' of new road has been flagged.
3. LOCATION OF EXISTING WELLS -
 - A. Water Wells - None.

- B. Abandoned Wells - None.
 - C. Temporarily Abandoned Wells - None.
 - D. Disposal Wells - None.
 - E. Drilling Wells - None.
 - F. Producing Wells - None.
 - G. Shut-in Wells - None.
 - H. Injection Wells - None.
 - I. Monitoring or Observation Wells for other resources - None.
4. TANK BATTERIES, PRODUCTION FACILITIES AND LEASE PIPELINE - There are no tank batteries, production facilities or pipelines within one mile of the location controlled by lessee.

If production is established, production facilities will be erected on the drill pad as shown on Exhibit "B" in the dimensional area. Steel pipe and fittings will be used that have a rated working pressure equal to or greater than the pressure to be applied.

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 -

- A. A water well will be drilled on the drill pad. Application is being made to the Utah Division of Water Rights for a Temporary Application to Appropriate Water.
- B. If drilling a water well is not feasible, water will be obtained from a pond in South Canyon (NE/4 SW/4, Section 33, T15S, R24E).
- C. Water will be hauled over existing roads.

6. SOURCE OF CONSTRUCTION MATERIALS -

- A. No surface construction material will be necessary on the roads or location.
- B. Not applicable.
- C. Not applicable.
- D. Access road crosses Federal lands as shown on Exhibit "A".

7. WASTE DISPOSAL -

- A. Drill cuttings will be disposed of in the reserve pit.
- B. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling. (In event of a dry hole, pumpable liquid on the surface of the pit will be injected into the well to shorten the pit-drying period.)
- 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 and burned; this pit is shown on Exhibit "B". Residue in this pit at completion of operations will be buried either within the pit or the reserve pit by at least 24" of cover.
- F. When rig moves out, all trash and debris left at site will be contained to prevent scattering and will be either burned in trash pit or buried at least 24" deep within 30 days unless ground freeze prevents burial.

8. ANCILLARY FACILITIES - No camps will be built. The landing strip in Section 21, T15S, R23E will be used. The strip will be maintained as required.

9. WELLSITE LAYOUT -

- A. Exhibit "B" (Scale 1" - 50') shows 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 burial 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 USGS-BLM specifications.
- D. Any oil on pits will be removed or otherwise disposed of to USGS-BLM approval.
- E. Sundry Notice will be submitted showing timetable for the start and completion of rehabilitation operations providing weather permits.

11. OTHER INFORMATION -

- A. Location and road are located on a ridge covered with cedar trees. The soil contains some rock and gravel.
- B. No surface use activity other than grazing is carried on. Surface ownership is BLM.
- C. There are no dwellings, historical or cultural sites, or water tanks in the immediate area to be disturbed.

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

H. G. Davidson
P. O. Box 1600
Midland, Texas 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 July 8, 1981



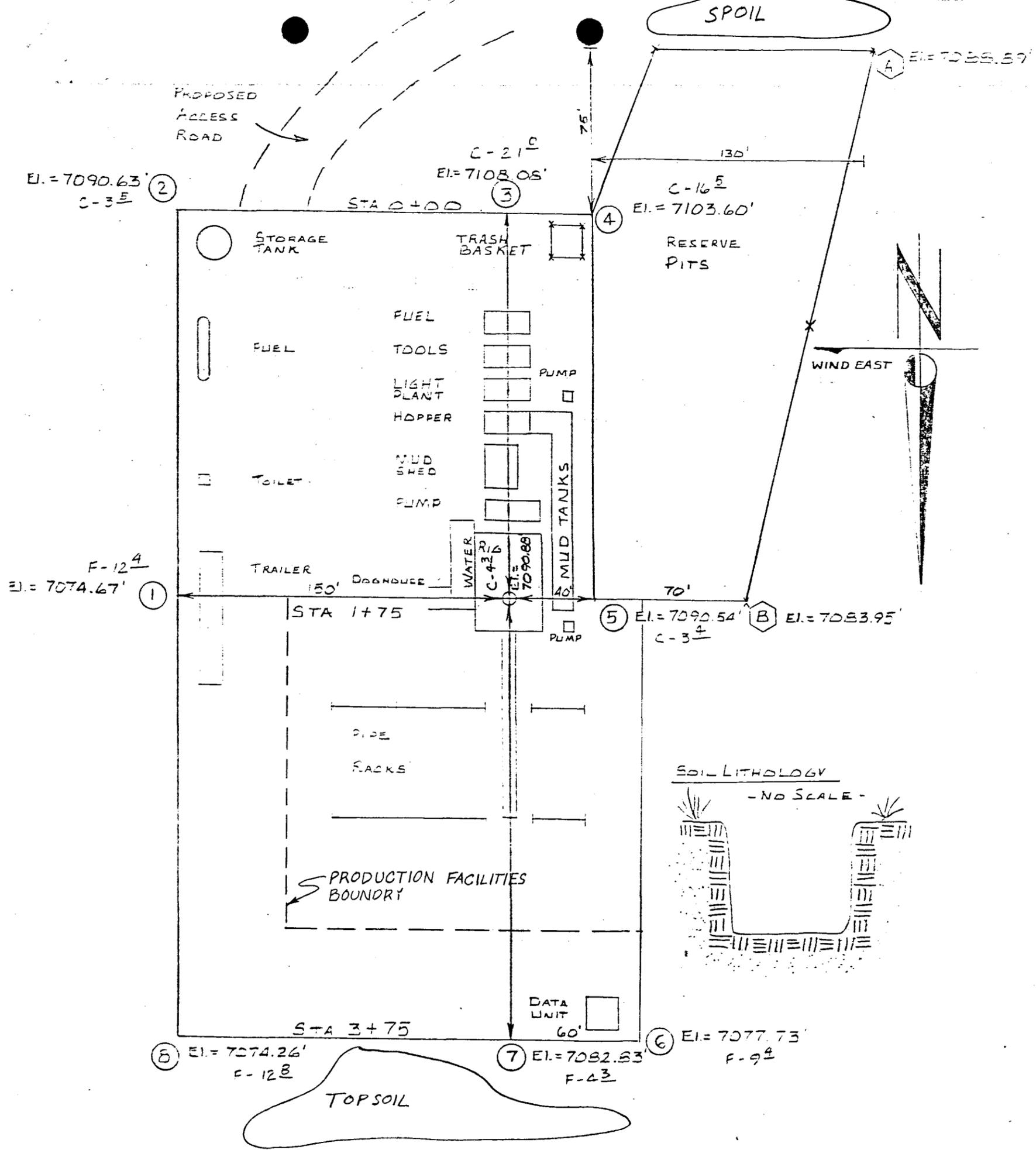
H. G. Davidson
Division Drilling Manager

For on-site inspection, contact:

Melba Knipling
915-685-9423

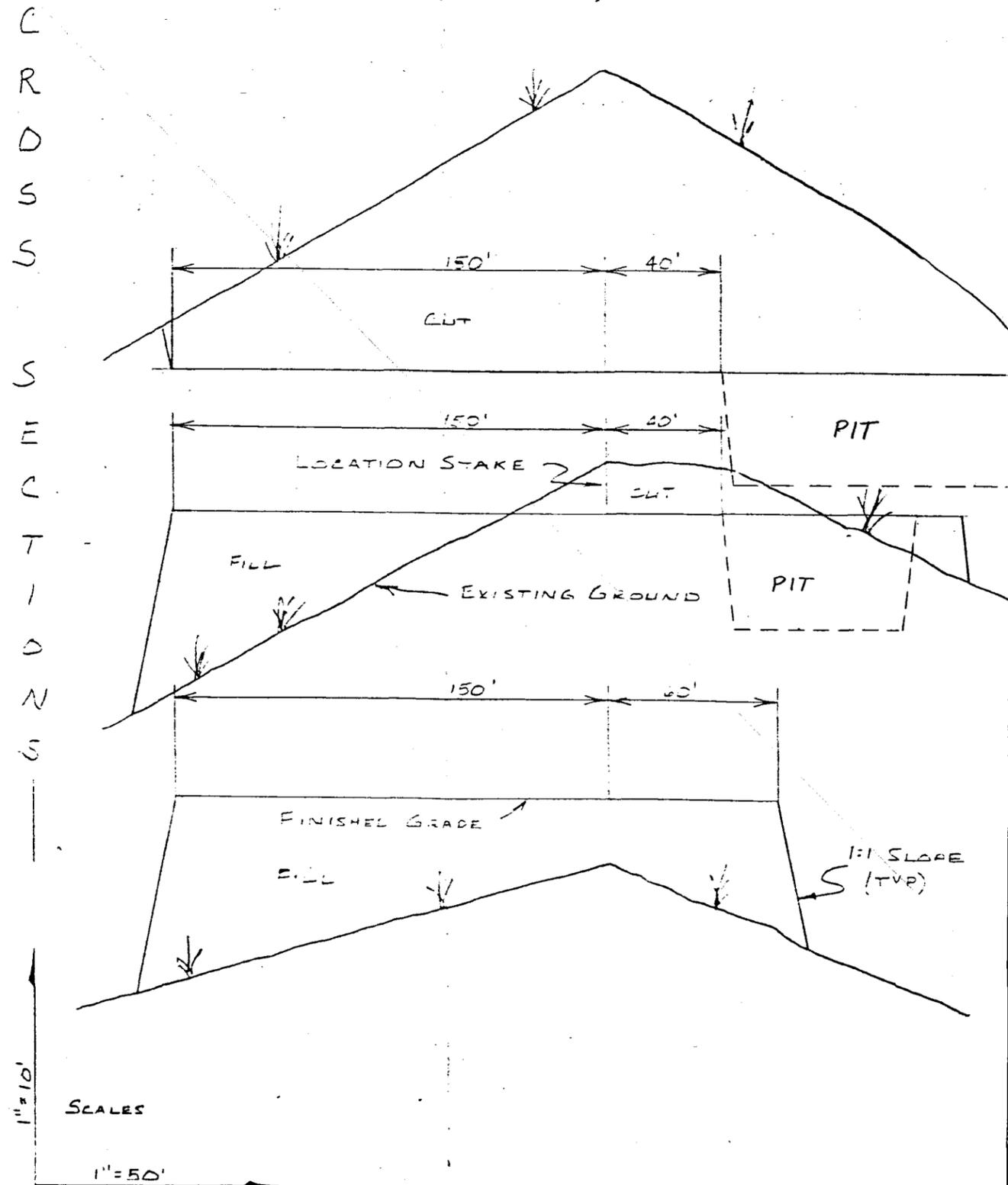
EXXON COMPANY U.S.A.

CROOKED CANYON #4
SEC. 28, T14S, R23E, SLB&M.



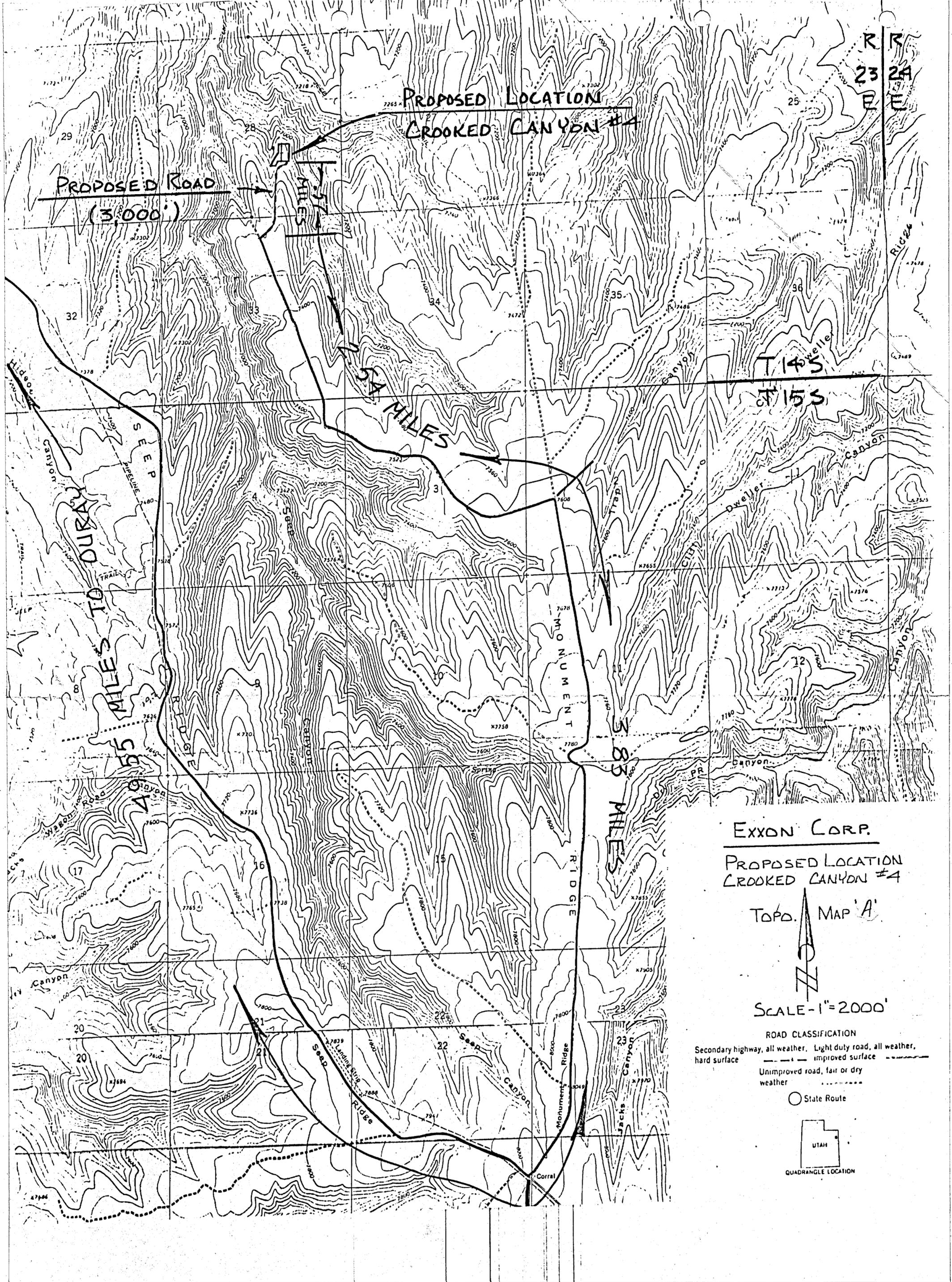
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APPROXIMATE YARDAGES
CUBIC YARDS CUT - 1558.81
CUBIC YARDS FILL - 273.7

WB-1668



PROPOSED LOCATION
CROOKED CANYON #4

PROPOSED ROAD
(3,000')

4.5 MILES TO DURAN

3.4 MILES

3.4 MILES

5.85 MILES

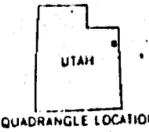
EXXON CORP.
PROPOSED LOCATION
CROOKED CANYON #4

TOPO. MAP 'A'



SCALE - 1" = 2000'

ROAD CLASSIFICATION
 Secondary highway, all weather, hard surface ————
 Light duty road, all weather, improved surface - - - - -
 Unimproved road, fair or dry weather
 State Route ○



QUADRANGLE LOCATION

** FILE NOTATIONS **

DATE: July 22, 1981
OPERATOR: Exxon Corporation
WELL NO: Crooked Canyon Unit #4,
Location: Sec. 28 T. 14S R. 23E County: Uintah

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

API Number 43-047-31033

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: Unit Well, ok on boundaries,

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 Plotted on Map

Approval Letter Written

Hot Line P.I.

July 27, 1981

Exxon Corporation
P. O. Box 1600
Midland, Texas 79702

RE: Well No. Crooked Canyon Unit #4,
Sec. 28, T. 14S, R. 23E,
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-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

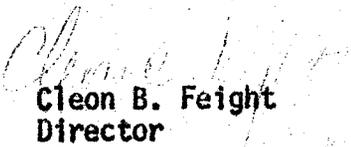
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

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~~80033.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Cleon B. Feight
Director

CBF/db
CC: USGS

10

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1845' FSL & 1763' FEL of Section
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-10182

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Crooked Canyon Unit

8. FARM OR LEASE NAME
Crooked Canyon Unit

9. WELL NO.
4

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T14S, R23E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-31033

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7091' GR

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Change Plans	<input type="checkbox"/>	<input type="checkbox"/>

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

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

Due to rig availability and manpower problems, this well will not be spudded until 1982.

RECEIVED
SEP 08 1981

DIVISION OF
OIL, GAS & MINING

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

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

SIGNED Charlotte Harper TITLE Unit Head DATE September 2, 1981
for Melba Knipshaus
(This space for Federal or State office use)

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



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

March 16, 1982

Exxon Corporation
P.O. Box 1600
Midland, Texas 79702

Re: See attached

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

Well No. Ute Tribal "F" #1
Sec. 23, T. 2S, R. 1E.
Uintah County, Utah

Well No. Ute Tribal "E" #1
Sec. 26, T. 2S, R. 1E.
Uintah County, Utah

Well No. Kienitz Federal #3
Sec. 3, T. 7S, R. 23E.
Uintah County, Utah

Well No. Pine Springs Unit #2
Sec. 22, T. 14S, R. 22E.
Uintah County, Utah

Well No. Crooked Canyon Unit #4
Sec. 28, T. 14S, R. 23E.
Uintah County, Utah

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

September 21, 1982

Exxon Corporation
P.O. Box 1600
Midland, Texas 79702

Re: Rescind Applications for Permit
to Drill
Well Nos. 2 and 4
Section 22-T14S-R22E and
Section 28-T14S-R23E, respectively
Uintah County, Utah
Lease Nos. U-6636 and U-10182

Gentlemen:

The Applications for Permit to Drill the referenced wells were approved on August 18, 1981. Since that date no known activity has transpired at the approved locations. Under current District policy, 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 applications without prejudice. If you intend to drill at these locations at a future date, new applications for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved locations of the wells will be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

E. W. Guynn
District Oil & Gas Supervisor

bcc: SMA
State O&G ✓
State BLM
MMS-Vernal
Well Files
APD Control

DH/dh



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

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

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

September 29, 1982

Exxon Corporation
P. O. Box 1600
Midland, Texas 79702

RE: Well Nos. 2 and 4
Sec. 22, T.14S, R.22E and
Sec. 28, T.14S, R.23E
Uintah County, Utah

Gentlemen:

Approval for Application for Permit to Drill the above referenced wells are rescinded as of the above date in concert with action taken by Minerals Management Service.

If you intend to drill at this location at a future date, a new application for permit to drill may be submitted for State approval.

Sincerely,

Norm Stout
Administrative Assistant

NS/as