

EXXON COMPANY, U.S.A.

POST OFFICE BOX 1600 • MIDLAND, TEXAS 79701

MIDCONTINENT PRODUCTION DIVISION
SOUTHWESTERN EXPLORATION DIVISION

W. R. WARDROUP
DRILLING MANAGER

January 13, 1978

File No. 22-3

Preliminary Environmental Review
Crooked Canyon Unit 2, Well No. 1
Wildcat, Uintah County, Utah
Federal Lease No. ^{U-6645}



Mr. E.W. Guynn, District Engineer
United States Geological Survey
Geological Survey Conservation Commission
8440 Federal Building
Salt Lake City, Utah 84138

Dear Mr. Guynn:

Attached is a topographic map showing the proposed location of Crooked Canyon Unit 2, Well No. 1, a Wildcat, in the NE/NW of Section 34, T13S, R23E, Uintah County, Utah.

We plan to stake this location during the week of January 30, 1978.

Very truly yours,

W.R. Wardroup
W.R. Wardroup

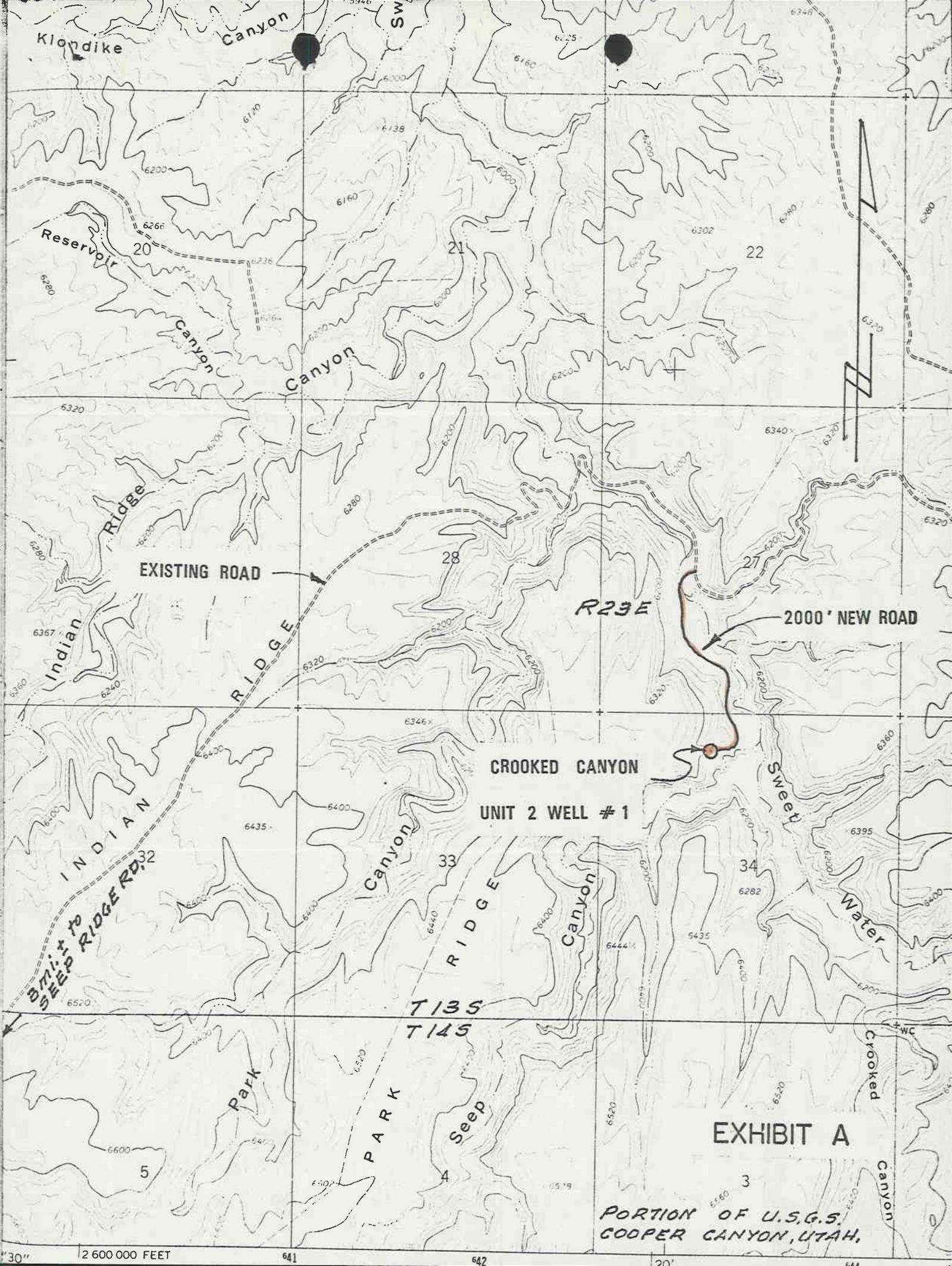
MK/sm

cc: Bureau of Land Management
P.O. Box F
Vernal, Utah 84078 (w/plat)

State of Utah
Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116 (w/plat)

CIRCULATE TO:

DIRECTOR _____
PETROLEUM ENGINEER _____
MINE COORDINATOR _____
ADMINISTRATIVE ASSISTANT _____
ALL _____
RETURN TO *Scheidt*
FOR FILING



EXISTING ROAD

R23E

2000' NEW ROAD

CROOKED CANYON
UNIT 2 WELL # 1

3/4 MILE TO
SEEP RIDGE RD. 32

EXHIBIT A

PORTION OF U.S.G.S.
COOPER CANYON, UTAH,

30" 2 600 000 FEET

641

642

20'

644

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
U-6615

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.
2

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T13S, R23E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

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, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
660' FNL & 1,485' FEL of Sec. 34
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
45.9 miles northwest to Ouray

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

16. NO. OF ACRES IN LEASE
1,280

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. ---

19. PROPOSED DEPTH
9,150' *max. 9,150'*

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Ungraded Ground 6,390

22. APPROX. DATE WORK WILL START*
May 1, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 5/8"	48#	80	To surface with Ready Mix
12 1/4"	8 5/8"	24#	1500	To surface with at least 200 SX
7 7/8"	5 1/2"	15.5# & 17.0#	8400	To 1000' above pay with at least 200 SX
4 3/4"	3 1/2" Liner	9.3#	9150	At least 50 SX



APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: 4-3-78
BY: *[Signature]*

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

24. SIGNED *Mewa Krupling* TITLE Proration Specialist DATE March 28, 1978

(This space for Federal or State office use)
PERMIT NO. 43-047-30386 APPROVAL DATE

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



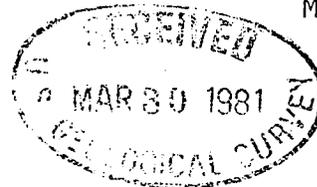
United States Department of the Interior

IN REPLY REFER TO
T & R
U-802

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

March 26, 1981

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



Re: Exxon Company
Crooked Canyon Unit
Well #2 Sec 34, T13S, R23E
U-6615
Uintah County, Utah

Dear Mr. Guynn:

A joint examination was made on March 24, 1981, of the above referenced well site location and proposed access road. We feel that the surface use and operating plans are adequate with the following 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. Travelling off access road rights-of-way will not be allowed. The maximum width of access road (both existing and planned) will be 30 feet total disturbed area, except where backslopes and fills require additional area. Turnouts will not be required. The road will be crowned and bar ditches installed where necessary.
3. It was agreed upon by all parties present that the applied for pad sizes are of adequate size to handle all drilling and fracturing operations.
4. The BLM must be contacted at least 24 hours prior to any construction activities.
5. 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.
6. Burn pits will not be constructed. There will be no burning or

Continued



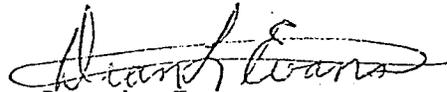
burying of trash or garbage at the well sites. Refuse must be contained and hauled to an approved disposal site.

7. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.
8. The top 6 inches of topsoil will be gathered and stockpiled as noted in the applicants APD.
9. The reserve pits dimensions were changed from 150 feet by 150 feet to 125 feet by 150 feet.

We have received an archaeological report and no cultural materials were found. The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna or their habitats.

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

Sincerely,



Dean L. Evans
Area Manager
Bookcliffs Resource Area

cc: USGS, Vernal



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

July 11, 1979

CLEON B. FEIGHT
Director

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

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

Re: Well No. Crooked Canyon Fed. 2
Sec. 34, T. 13S, R. 23E,
Uintah County, Utah

Gentlemen:

In reference to above mentioned well, 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 this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Kathy Avila

KATHY AVILA
RECORDS CLERK

EXXON COMPANY, U.S.A.
POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702

PRODUCTION DEPARTMENT
MIDCONTINENT DIVISION



July 17, 1979

Crooked Canyon Fed.,
Well No. 2, Sec. 34, T13-S, R23E,
Uintah County, Utah

Ms. Kathy Avila, Records Clerk
Division of Oil, Gas, and Mining
Department of Natural Resources
1588 West North Temple
Salt Lake City, Utah 84116

Dear Ms. Avila:

In your letter of July 11, 1979, you requested information concerning the above well.

The U.S. Geological Survey would not grant approval for the drilling of the well due to surface disturbance. The refusal was appealed and we have not received a final decision at this time.

Very truly yours,

A handwritten signature in cursive script that reads "Melba Knipling".

Melba Knipling,
Proration Specialist

MK/hd



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

CHARLES R. HENDERSON
Chairman

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

JOHN L. BELL
C. RAY JUVELIN
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EDWARD T. BECK
E. STEELE McINTYRE

CLEON B. FEIGHT
Director

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

December 4, 1979

Exxon Corp.
P. O. Box 1600
Midland, Tex. 79702

RE: Well No. Crooked Canyon Fed. #2
Sec. 34, T. 13S, R. 23E,
Uintah County, Utah

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months indicated above on the subject well(s).

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. Please note, a negative report is also required. This report may be filed on Form OGC-1b, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Debbie Beauregard
DEBBIE BEAUREGARD
CLERK-TYPIST

* In reference to your letter on July 17th if approval has been given we would appreciate your attention to filing these forms. If no approval has been given i would appreciate it if you could send a notification as such.

EXXON COMPANY, U.S.A.
POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702

January 4, 1980

PRODUCTION DEPARTMENT
MIDCONTINENT DIVISION

Crooked Canyon Fed. #2
Sec. 34, T13S, R23E,
Uintah County, Utah

Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Ms. Debbie Beauregard

Gentlemen:

*Location
Abandoned*

Your letter of December 4, 1979, requested information concerning the status of the above well.

Approval to drill the well has not been received from the USGS. There is a possibility that an attempt will be made to secure approval to drill the well in 1980.

Very truly yours,

Melba Knipling
Melba Knipling
Proration Specialist

MK:dc

RECEIVED

JAN 11 1980

DIVISION OF
OIL, GAS & MINING

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, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 660' FNL & 1485' FEL of Section **NW NE**
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 45.9 miles NW to Ouray

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

16. NO. OF ACRES IN LEASE
 1280

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 *Morrison*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 Ungraded Ground 6390'

22. APPROX. DATE WORK WILL START*
 April 15, 1981

5. LEASE DESIGNATION AND SERIAL NO.
 U-6615

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.
 2

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T. R., M., OR BLM. AND SURVEY OR AREA
 Sec. 34, T13S, R23E

12. COUNTY OR PARISH
 Uintah

13. STATE
 Utah

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 with Ready Mix
17-1/2"	13-3/8"	54.5#	500	450 cu. ft.
12-1/4"	8-5/8"	32#	5000	2500 cu. ft.
7-7/8"	5-1/2"	15.5 & 17#	9500	850 cu. ft.

This application is being made for the same location, 660' FNL and 1485' FEL of Section 34, T13S, R23E, for which an application was submitted on March 28, 1978. At that time both the archeological survey and on-site inspection were made. The original application was suspended because the drill hole was in a proposed roadless area.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 4-17-81
 BY: [Signature]

MAR 26 1981

DIVISION OF OIL, GAS & MINING

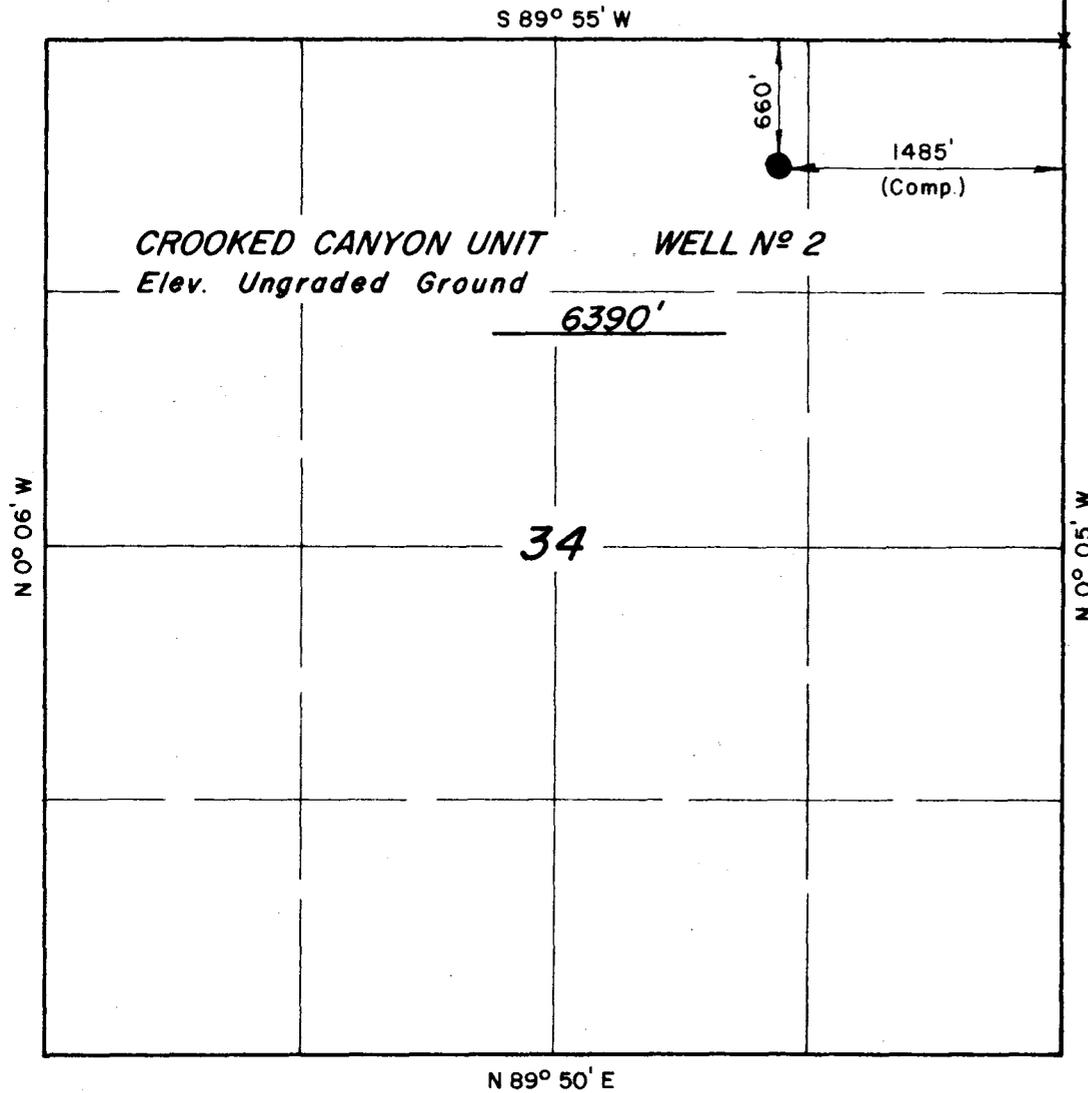
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. SIGNED Meeva Krupling TITLE Unit Head DATE March 20, 1981
 (This space for Federal or State office use)

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

T 13 S, R 23 E, S.L.B.&M.

E 1/4 Cor. Sec. 27
T13S, R23E, S.L.M.



X = Section Corners Located

PROJECT

EXXON COMPANY, U.S.A.

Well location, *CROOKED CANYON UNIT*
WELL No 2, located as shown in the
NW 1/4 NE 1/4 Section 34, T 13 S, R 23 E,
S.L.B.&M. Uintah County, Utah.



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.

John Marshall

REGISTERED LAND SURVEYOR
REGISTRATION No 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING P. O. BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE 3/17/78
PARTY N.J.M. S.S. BFW	REFERENCES GLO Plat
WEATHER Fair	FILE EXXON

R 23 E

T 13 S

APPROX. 8 MILES FROM
SEEP RIDGE RD. TO DRILLSITE

EXISTING COUNTY ROAD

WATER WELL - B

WATER WELL - A

300' OF NEW
16' WIDE ROAD

CROOKED CANYON
UNIT - WELL 2

WIDEN EXISTING RANCH ROAD
TO 16', 2 TURNOUTS

SEEP
RIDGE

Crooked
Canyon

Water

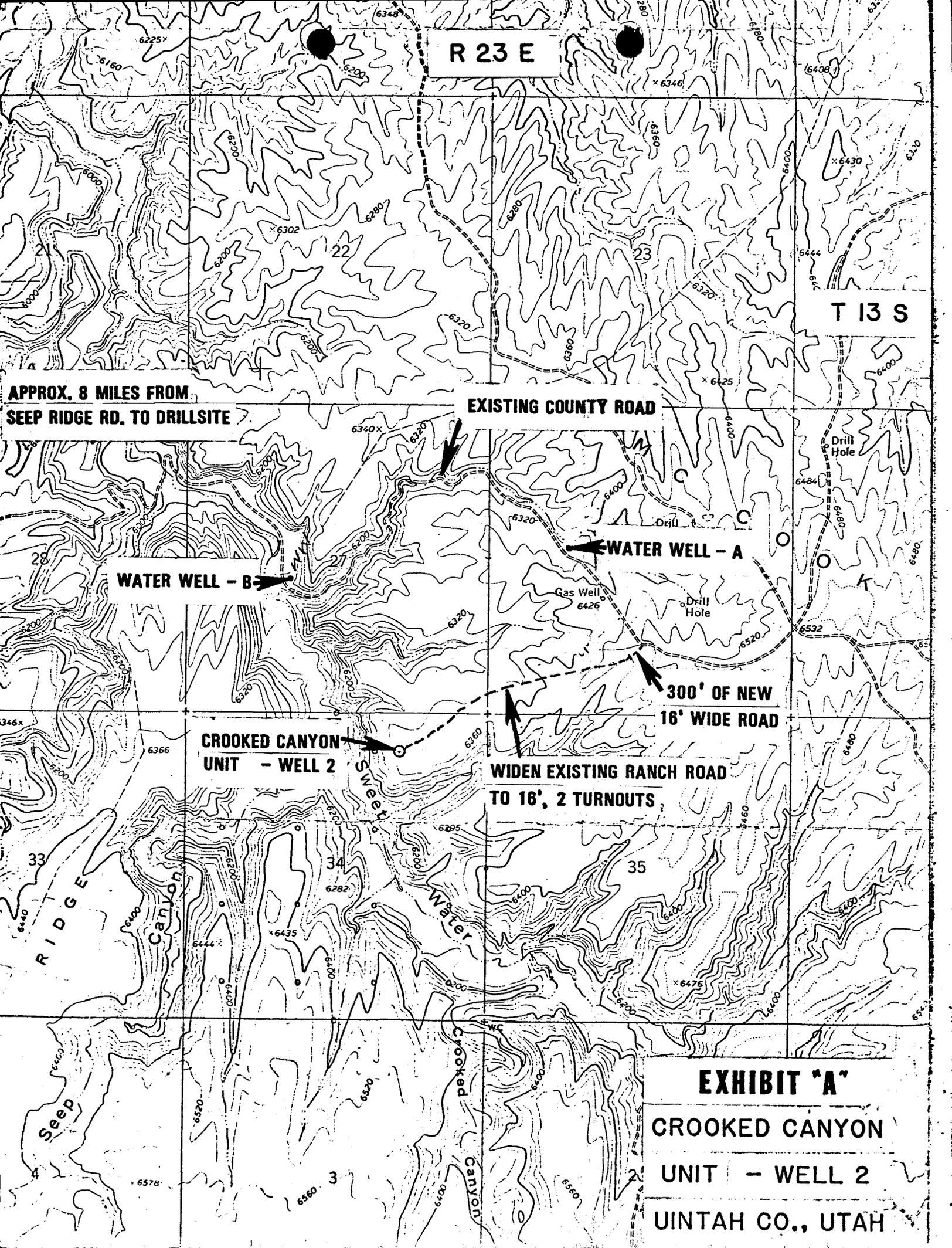
Crooked
Canyon

EXHIBIT "A"

CROOKED CANYON

UNIT - WELL 2

UINTAH CO., UTAH



SURFACE USE PLAN

Exxon Corporation #2 - Crooked Canyon Unit
660' FNL & 1,485' FEL, Sec. 34, T-13-S, R-23-E, S.L.B. & M.
Lease No. U-6615, 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 37 miles to turn off at Indian Ridge Road, and follow Indian Ridge Road easterly approximately 8 miles to a ranch road going southwest. Follow the ranch road approximately .9 miles to location.
 - C. Approximately 300' of new road will be constructed as shown on Exhibit "A". New road is colored red. The ranch road will be improved by widening.
 - D. The only existing public road within a three mile radius is the Indian 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.
 - 1) Width of the crown of the improved ranch road and 300' of new road will be 16'.
 - 2) Maximum grade will be 16%.
 - 3) Two turnouts will be required along the ranch road.
 - 4) Drainage structures will not be necessary; however, water bars will be utilized as needed.
 - 5) No culverts will be required.
 - 6) No surface materials will be needed.
 - 7) No gates, cattleguards, or fence cuts will be necessary.
 - 8) The center line of the ranch road and 300' of new road has been flagged.
3. LOCATION OF EXISTING WELLS -
 - 1) Two water wells are shown on Exhibit "A" at Points A and B.

- 2) There are three abandoned wells northeast of drillsite as shown on Exhibit "A".
 - 3) There are no temporarily abandoned wells.
 - 4) There are no disposal wells.
 - 5) There are no drilling wells.
 - 6) There is a gas well approximately one mile northeast of the drillsite as shown on Exhibit "A".
 - 7) There are no shut-in wells.
 - 8) There are no injection wells.
 - 9) There are no monitoring or observation wells for other resources.
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. The water to be used for drilling operations will be pumped from the USGS water well at Point A on Exhibit "A".
- B. A temporary pipeline will be laid along Indian Ridge Road and the improved ranch road to transport water from the water well to the drillsite.
- C. No water well will be drilled.

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 or air strips will be built.
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 start and completion of rehabilitation operations providing weather permits.

11. OTHER INFORMATION -

- 1) Location and road are located on a ridge covered with native grasses. There are a few areas on which cedar trees grow. The soil contains some rock and gravel.
- 2) No surface use activity other than grazing is carried on. Surface ownership is Federal.
- 3) 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:

W.R. Wardroup
P.O. Box 1600
Midland, TX 79702
Office Phone: 915-684-4411
Home Phone: 915-694-5067

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

March 28, 1978

W. R. Wardroup
W.R. Wardroup
Division Drilling Manager

Crooked Canyon Unit, Well No. 2

1. The Geologic name of the surface formation.

Tertiary Green River

2. The estimated tops of important Geologic markers.

Cretaceous Mesaverde	2,160'
Mancos Shale	4,200'
Cretaceous Dakota	8,400'
Jurassic Morrison	8,650'

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

Water - Green River/Wasatch	1,500' - 2,160'
Mesaverde	2,160' - 4,200'
Morrison	8,650'
Gas - Wasatch and Mesaverde	1,500' - 4,200'
Dakota	8,400'
Morrison	8,650'

4. Proposed Casing Program:

<u>String</u>	<u>Size/Weight/Grade</u>	<u>Condition</u>	<u>Depth Interval</u>
Conductor	13-3/8"/48.0/H-40	New	0-80'
Surface	8-5/8"/24.0/K-55	New	0-1500'
Production	5-1/2"/17.0/K-55	New	0-500'
	5-1/2"/15.5/K-55	New	500-6400'
	5-1/2"/17.0/K-55	New	6400-7700'
	5-1/2"/17.0/N-80	New	7700-8400'
Production Liner	3-1/2"/9.3/C-75	New	8000-9150'

5. Minimum specifications for pressure control equipment:

a) Casinghead Equipment

Lowermost head: 8-5/8" LTC X 10" 3000 psi
 Tubinghead: 10" 3000 psi X 6" 5000 psi
 Adapter & Tree: 6" 5000 psi X 2-1/2" 5000 psi

b) Blowout Preventers

Refer to attached drawings titled "Type II-B" and Type "II-C" for a description of the 2000 psi minimum working pressure BOP stacks and choke manifolds. The "Type II-C" stack will be installed

initially on the lowermost casinghead after the 3 5/8" casing is set. The "Type II-B" stack will be nipped up on the tubinghead after 5 1/2" casing is set and used for the air-drilled part of the hole.

c) BOP Control Unit

Unit will be hydraulically operated and have at least three control stations.

d) Testing

When installed, the BOP stack will be tested at a low pressure (200-300 psi) and to at least 200 psi. At approximately weekly intervals, the stack will be tested to 1500 psi. 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 piperam preventer will be closed on drill pipe, and the blind rams will be closed while pipe is out of the stack.

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					
0-1500	Fresh	8.4-8.8	28-35	2-6	NC	2-5	2-8	10
1500-8400	Fresh	8.5-10	30-45	2-10	15-20	4-8	4-10	10.5
8400-TD	Air	---	---	---	---	---	---	---

Mud weight and viscosity will be maintained at minimum levels compatible with operating conditions. Not less than 200 barrels of mud will be in the pits and at least 200 sacks of barite will be stocked on location when drilling with mud. When air drilling, not less than 300 Bbl 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 followed:

Drill Stem Tests - None

Cores - None

Logs to be run from TD to Surface Casing -

DIL, BHC - Sonic with Gamma Ray, FDC - CNL with Gamma Ray
(Will Sonic Gamma Ray up to surface)

9. No abnormal pressure or temperature hazards are anticipated.
10. It is anticipated that the drilling operation will begin on May 1, 1978, and be completed on August 1, 1978.

MK/jg
3/28/78

BLOWOUT PREVENTER SPECIFICATION
EQUIPMENT DESCRIPTION

TYPE II-B

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

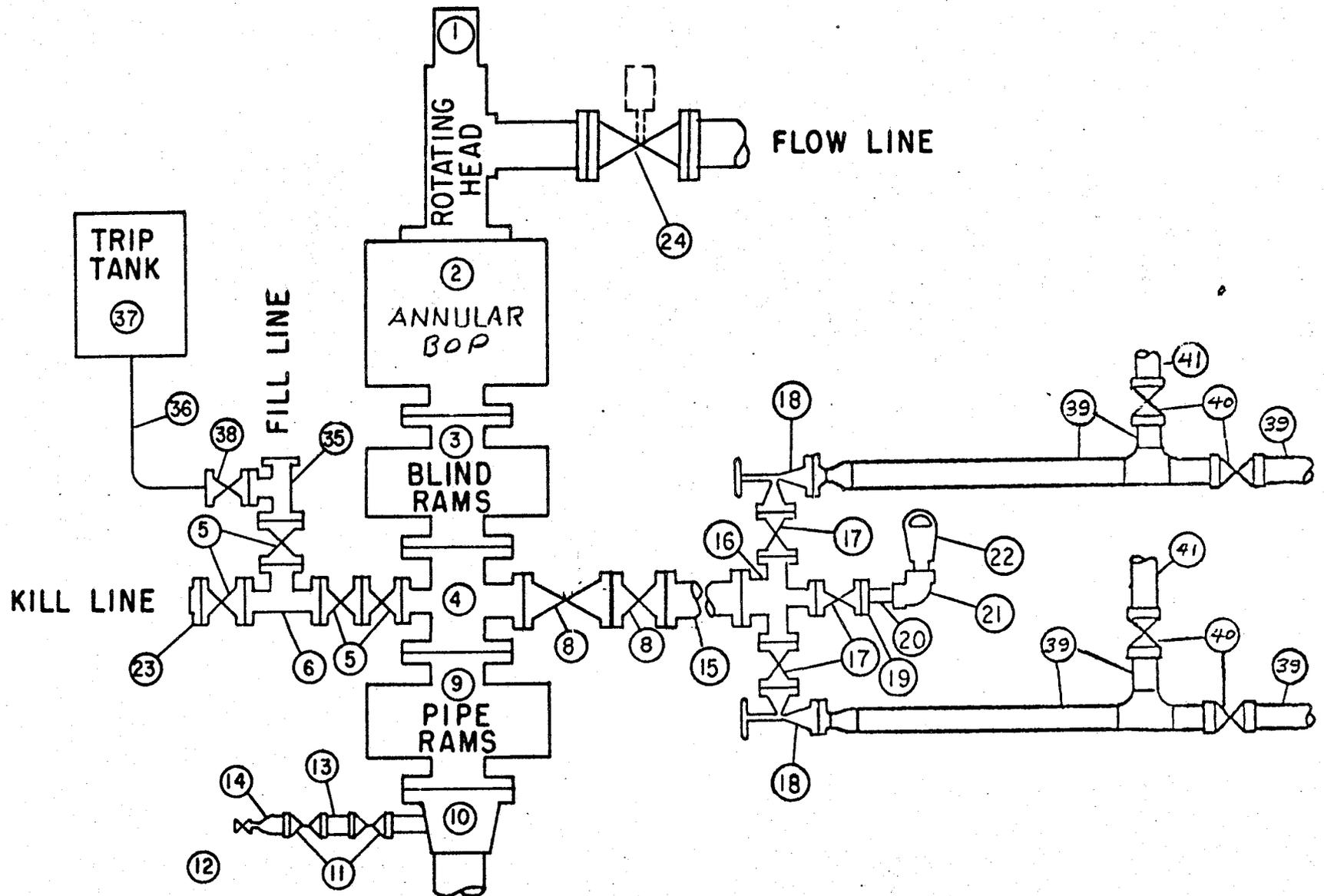
1. Rotating BOP.
2. Hydril or Shaffer bag type preventer.
3. Ram type pressure operated blowout preventer with blind rams.
4. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
5. 2-inch (minimum) flanged plug or gate valve.
6. 2-inch by 2-inch by 2-inch (minimum) flanged tee.

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.
24. 6-inch manual or pressure operated gate valve.
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 and lower WP BOP stacks.

MIDLAND DRILLING ORGANIZATION
BLOWOUT PREVENTER SPECIFICATION
TYPE II - B



8-1

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.

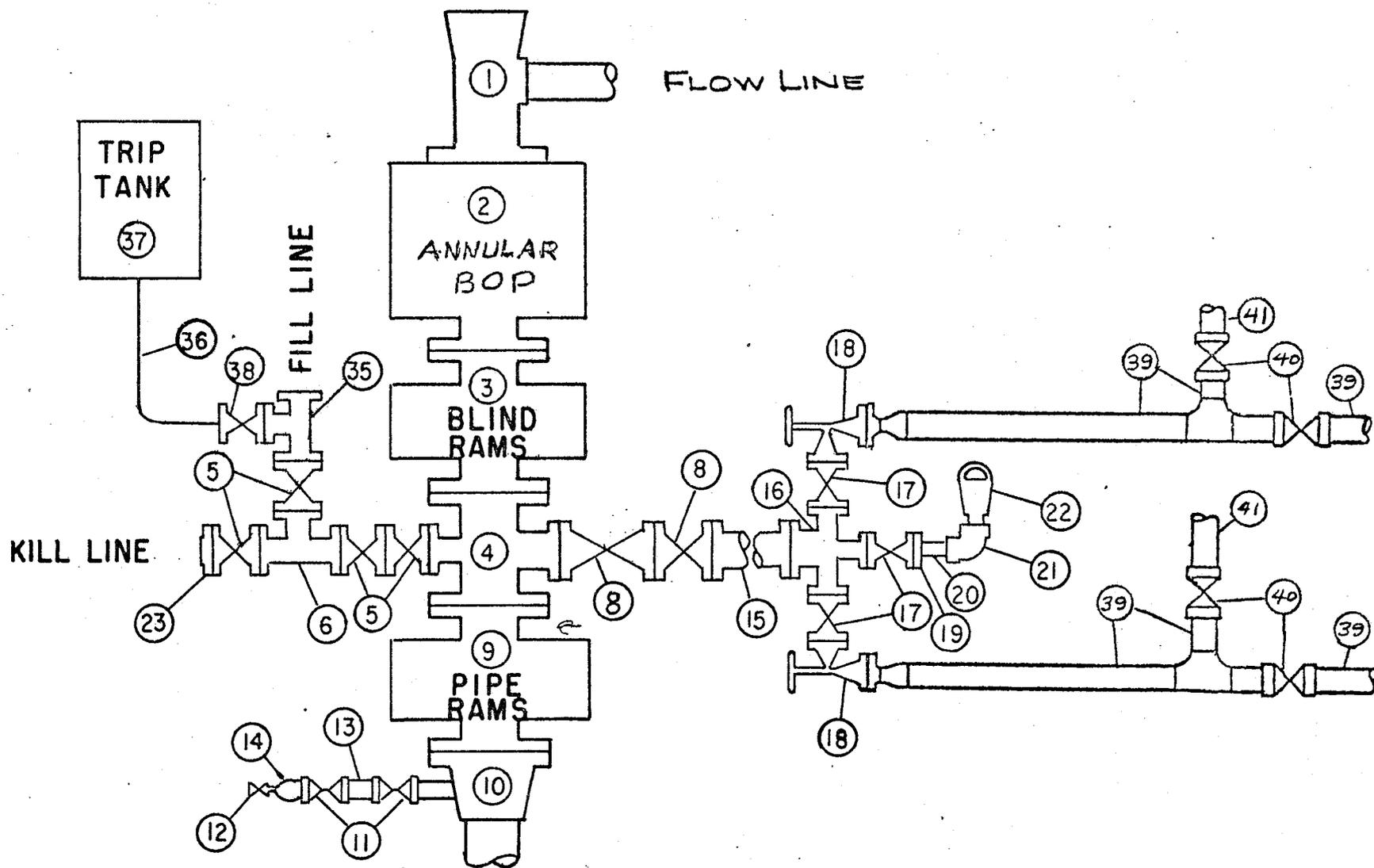
8. 4-inch flanged gate or plug valve.
9. Ram type pressure operated blowout preventer with pipe rams.
10. Flanged type casing head with one side outlet (furnished by Exxon).
11. 2-inch threaded (or flanged) plug or gate valve (furnished by Exxon).
Flanged on 5000# WP, threaded on 3000# WP or less.
12. 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 II - C



9/15/73

Crooked Canyon Unit, Well No. 2

1. The Geologic name of the surface formation.

Tertiary Green River

2. The estimated tops of important Geologic Markers.

Cretaceous Mesaverde	2160'
Mancos Shale	4200'
Cretaceous Dakota	8800'
Jurassic Morrison	9400'

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

Water - Green River/Wasatch	1500' - 2160'
Mesaverde	2160' - 4200'
Morrison	9400'
Gas - Wasatch and Mesaverde	1500' - 4200'
Dakota	8800'
Morrison	9400'

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	8-5/8"/32.0/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

Lowermost head: 13-3/8" LTC X 12" 2000psi
 B - Section: 12" 2000psi X 10" 3000psi
 Tubinghead: 10" 3000psi X 6" 5000psi
 Tubinghead Adaptor: 6" 5000psi X 2-1/2" 5000psi
 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 2000psi minimum working pressure BOP stacks and choke manifolds. The "Type II-C" stack will be installed initially on the lowermost casinghead after the 13-3/8" casing is set, and after the 8-5/8" casing is set. The "Type V" will be installed on the 20" conductor.

c.) BOP Control Unit

Unit will be hydraulically operated and have at least three control systems.

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 50% 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 piperam preventer will be closed on drill pipe, and the blind rams will be closed while pipe is out of the stack.

6. Type and anticipated characteristics of Drilling Fluid:

Depth Interval Ft.	Mud Type	Funnel		PV CP	WL (cc)	Solids %	YP #/100 ft ²	ph
		Weight ppg	Visc Sec/Qt					
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. Not less than 200 barrels of mud will be in the pits and at least 200 sacks of barite will be stocked on location when drilling with mud. 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 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 -

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

9. No abnormal pressure or temperature hazards are anticipated.
10. It is anticipated that the drilling operation will begin on April 15, 1981, and be completed on May 31, 1981.

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 660' FNL 1485' FEL Section 34, T. 13S, R. 23E.
Well No. Crooked Canyon Unit #2 Lease No. U-6615
Date Project Submitted March 28, 1981 Resubmittal Date March 23, 1981

FIELD INSPECTION Date March 24, 1981.

Field Inspection Participants
Greg Darlington USGS, Vernal
Cory Bodman BLM, Vernal
Floyd Murray Exxon Corporation and D. E. Casada

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.

March 30, 1981
Date Prepared Gregory H. Darlington
Environmental Scientist

I concur 3/31/81
Date E. W. Long
District Supervisor

PROPOSED ACTION:

Exxon Corporation proposes to drill the Crooked Canyon Unit #2 well, a 9500' gas test of various geologic formations. Air drilling techniques will be used. This well is a unit obligation well and must be spudded on or before June 2, 1981 for unit purposes. An existing jeep trail of .9 miles length will be upgraded to a 16' wide access road. About 300' of this route will involve new access road. Cattleguards will be placed where requested by the BLM along the access route (Indian Ridge Road). A pad 225' by 350' and a reserve pit 150' by 150' are requested for the location.

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 by the Mineral Evaluation Report and Mining Report.

FIELD NOTES SHEET

Date of Field Inspection: March 24, 1981

Well No.: Crooked Canyon # 2

Lease No.: U-6615

Approve Location: ✓ minor modification

Approve Access Road: ✓

Modify Location or Access Road: Relocated 300 feet of access road where flagging wasn't present and APD indicated road was to be new construction rather than the existing jeep trail. Talked about cutting a few pines for better visibility at the intersection with present road. Moved Reserve Pits 25 feet East to allow for better more solid West side of pit.

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.

Obligation Well 6/2/81 required spudding, operator said 4/30/81.

Comments and special conditions of approval discussed at onsite: (include local topography)

The west edge of the pad is at the edge of the ridgetop. The location itself is in a flat open sagebrush and grass covered area with trees adjacent to the West side of the location a jeep road (ranch road) will be upgraded for .9 miles to make an access road about 300 feet of it will be rerouted. He saw 10 deer along the access road as we drove back from looking at the pad.

4 Other leases in or near the unit are tied in to this well so ~~it~~ must be drilling by 4/30/1981 although lease good until October 1982. Exxon on well itself.

6/2/81
7 according to SA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

U-6615

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.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 34, T13S, R23E

12. COUNTY OR PARISH | 13. STATE

Uintah

Utah

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, Texas 79702

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

At surface

660' FNL & 1485' FEL of Section

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

45.9 miles NW to Ouray

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

660'

16. NO. OF ACRES IN LEASE

1280

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.)

Ungraded Ground 6390'

22. APPROX. DATE WORK WILL START*

April 15, 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 with Ready Mix
17-1/2"	13-3/8"	54.5#	500	450 cu. ft.
12-1/4"	8-5/8"	32#	5000	2500 cu. ft.
7-7/8"	5-1/2"	15.5 & 17#	9500	850 cu. ft.

This application is being made for the same location, 660' FNL and 1485' FEL of Section 34, T13S, R23E, for which an application was submitted on March 28, 1978. At that time both the archeological survey and on-site inspection were made. The original application was suspended because the drillsite was in a proposed roadless area.

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 Melva Kripling TITLE Unit Head DATE March 20, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY W. W. Mouton FOR E. W. GUYNN DISTRICT ENGINEER DATE APR 13 1981

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

State O & G

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

Crooked Canyon Unit, Well No. 2

1. The Geologic name of the surface formation.

Tertiary Green River

2. The estimated tops of important Geologic Markers.

Cretaceous Mesaverde	2160'
Mancos Shale	4200'
Cretaceous Dakota	8800'
Jurassic Morrison	9400'

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

Water - Green River/Wasatch	1500' - 2160'
Mesaverde	2160' - 4200'
Morrison	9400'
Gas - Wasatch and Mesaverde	1500' - 4200'
Dakota	8800'
Morrison	9400'

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	8-5/8"/32.0/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

Lowermost head: 13-3/8" LTC X 12" 2000psi
 B - Section: 12" 2000psi X 10" 3000psi
 Tubinghead: 10" 3000psi X 6" 5000psi
 Tubinghead Adaptor: 6" 5000psi X 2-1/2" 5000psi
 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 2000psi minimum working pressure BOP stacks and choke manifolds. The "Type II-C" stack will be installed initially on the lowermost casinghead after the 13-3/8" casing is set, and after the 8-5/8" casing is set. The "Type V" will be installed on the 20" conductor.

c.) BOP Control Unit

Unit will be hydraulically operated and have at least three control systems.

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 50% 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 piperam preventer will be closed on drill pipe, and the blind rams will be closed while pipe is out of the stack.

6. Type and anticipated characteristics of Drilling Fluid:

Depth Interval Ft.	Mud Type	Funnel			Solids %	YP #/100 ft ²	ph	
		Weight ppg	Visc Sec/Qt	PV CP				
0-500	Fresh	8.4-8.8	28-35	2-6	NC	2-5	2-8	10
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5000-TD	Air	---	---	---	---	---	---	---

Mud weight and viscosity will be maintained at minimum levels compatible with operating conditions. Not less than 200 barrels of mud will be in the pits and at least 200 sacks of barite will be stocked on location when drilling with mud. 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.
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8. The testing and logging program to be followed:

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

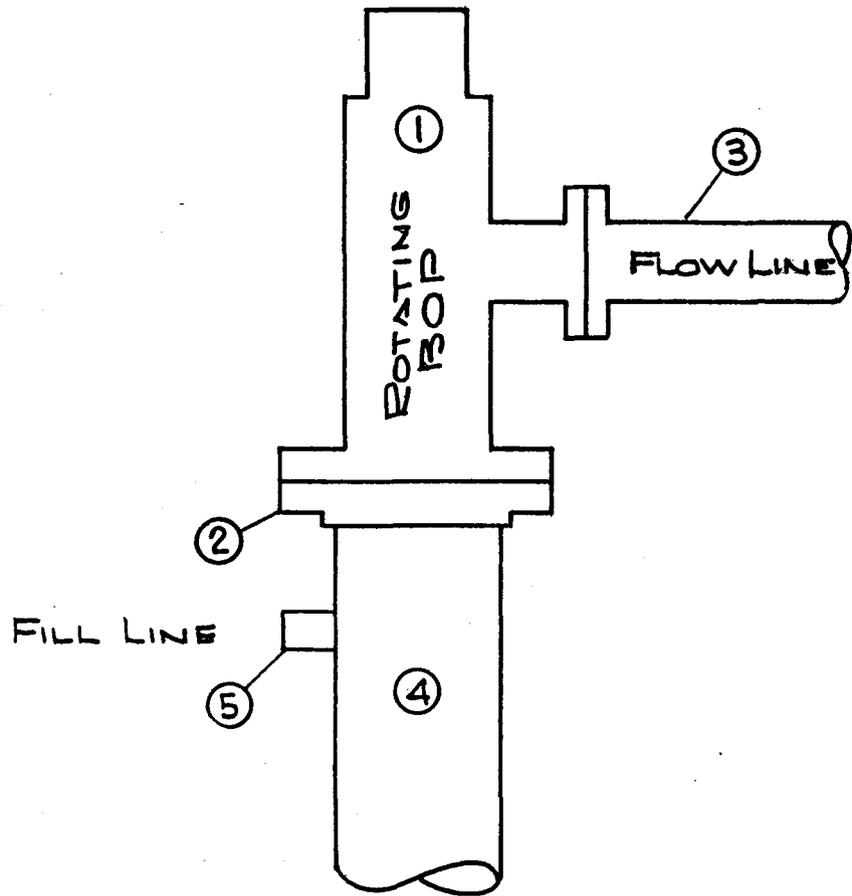
Cores - one is planned in the Dakota.

Logs to be run from TD to Surface Casing -

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

9. No abnormal pressure or temperature hazards are anticipated.
10. It is anticipated that the drilling operation will begin on April 15, 1981, and be completed on May 31, 1981.

MIDLAND DRILLING ORGANIZATION
BLOWOUT PREVENTER SPECIFICATION
TYPE V



EQUIPMENT FOR FLOW DIVERSION

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

91-I

SURFACE USE PLAN

Exxon Corporation #2 - Crooked Canyon Unit
660' FNL & 1,485' FEL, Sec. 34, T-13-S, R-23-E, S.L.B. & M.
Lease No. U-6615, 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 37 miles to turn off at Indian Ridge Road, and follow Indian Ridge Road easterly approximately 8 miles to a ranch road going southwest. Follow the ranch road approximately .9 miles to location.
 - C. Approximately 300' of new road will be constructed as shown on Exhibit "A". New road is colored red. The ranch road will be improved by widening.
 - D. The only existing public road within a three mile radius is the Indian 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.
 - 1) Width of the crown of the improved ranch road and 300' of new road will be 16'.
 - 2) Maximum grade will be 16%.
 - 3) Two turnouts will be required along the ranch road.
 - 4) Drainage structures will not be necessary; however, water bars will be utilized as needed.
 - 5) No culverts will be required.
 - 6) No surface materials will be needed.
 - 7) No gates, cattleguards, or fence cuts will be necessary.
 - 8) The center line of the ranch road and 300' of new road has been flagged.
3. LOCATION OF EXISTING WELLS -
 - 1) Two water wells are shown on Exhibit "A" at Points A and B.

- 2) There are three abandoned wells northeast of drillsite as shown on Exhibit "A".
 - 3) There are no temporarily abandoned wells.
 - 4) There are no disposal wells.
 - 5) There are no drilling wells.
 - 6) There is a gas well approximately one mile northeast of the drillsite as shown on Exhibit "A".
 - 7) There are no shut-in wells.
 - 8) There are no injection wells.
 - 9) There are no monitoring or observation wells for other resources.
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. The water to be used for drilling operations will be pumped from the USGS water well at Point A on Exhibit "A".
- B. A temporary pipeline will be laid along Indian Ridge Road and the improved ranch road to transport water from the water well to the drillsite.
- C. No water well will be drilled.

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 or air strips will be built.

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 -

- 1) Location and road are located on a ridge covered with native grasses. There are a few areas on which cedar trees grow. The soil contains some rock and gravel.
- 2) No surface use activity other than grazing is carried on. Surface ownership is Federal
- 3) There are no dwellings, historical or cultural sites, or water tanks to 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 March 19, 1981



H. G. Davidson
Division Drilling Manager

For on-site inspection, contact:

Melba Knipling
915-683-0624

R 23 E

T 13 S

APPROX. 8 MILES FROM
SEEP RIDGE RD. TO DRILLSITE

EXISTING COUNTY ROAD

WATER WELL - B

WATER WELL - A

CROOKED CANYON
UNIT - WELL 2

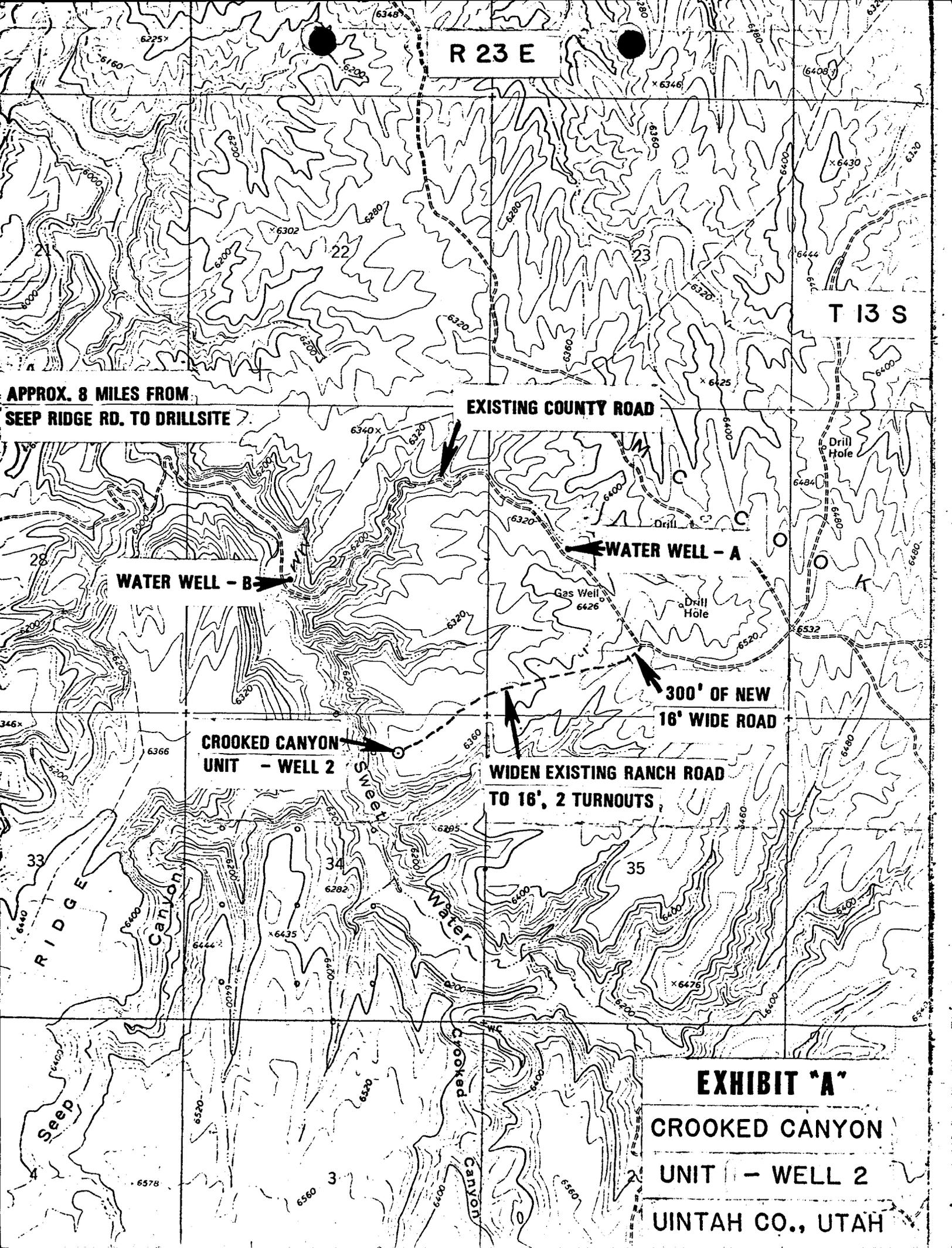
300' OF NEW
16' WIDE ROAD

WIDEN EXISTING RANCH ROAD
TO 16', 2 TURNOUTS

SEEP RIDGE
CANYON

CROOKED CANYON

EXHIBIT "A"
CROOKED CANYON
UNIT - WELL 2
UINTAH CO., UTAH

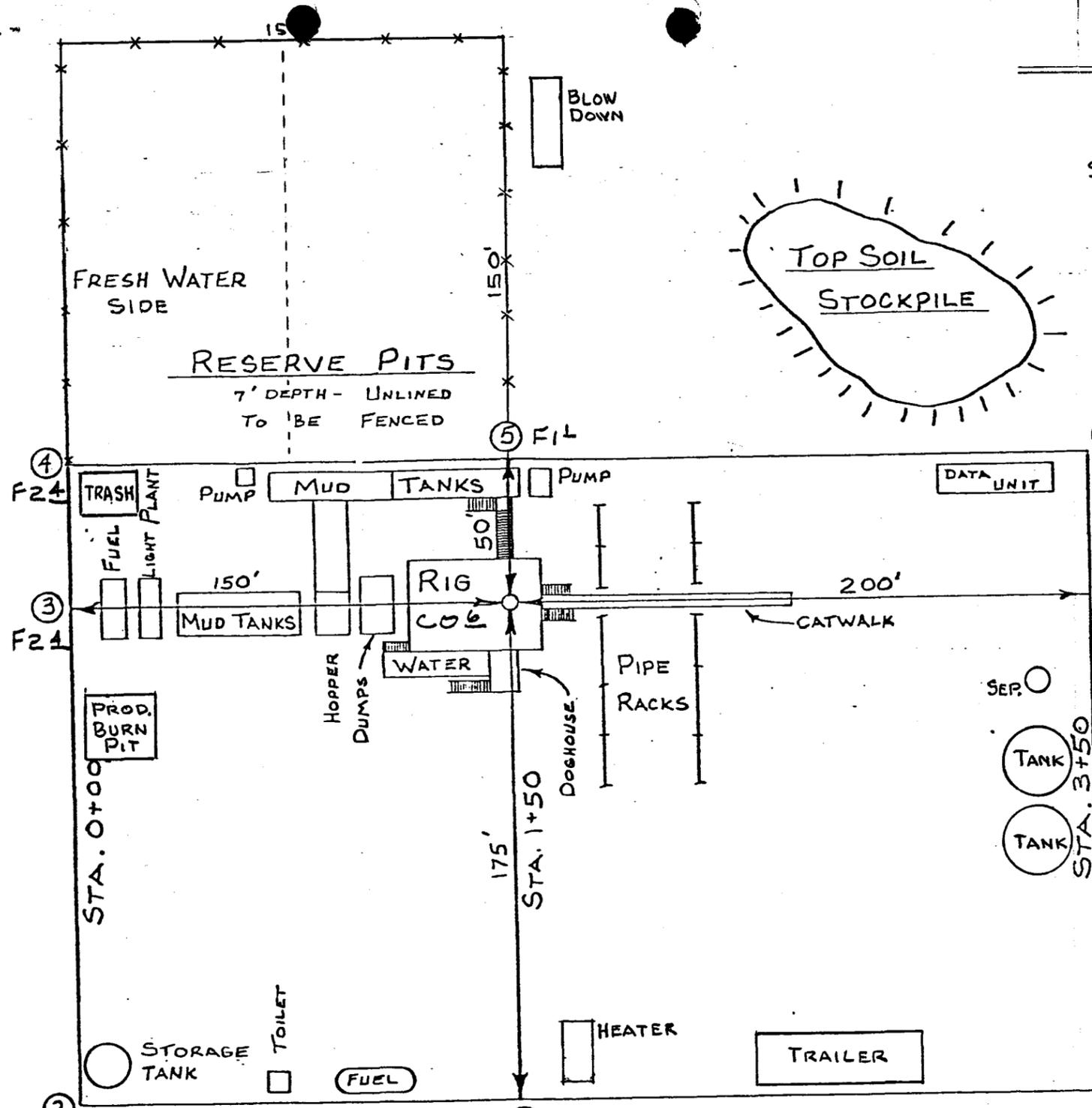


EXXON Co. U.S.A.

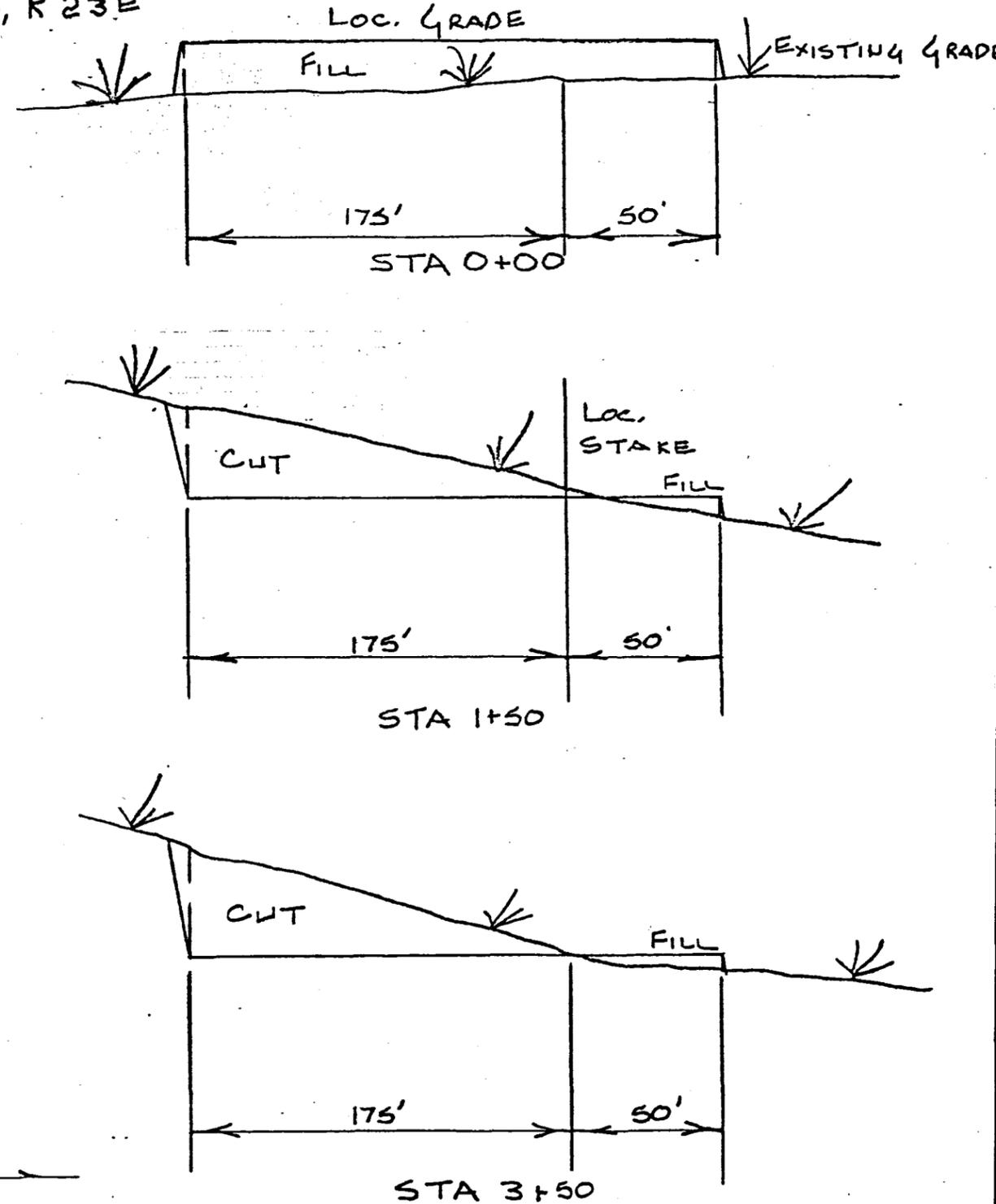
LOCATION LAYOUT SHEET

FOR
SEC. 34, T13S, R23E

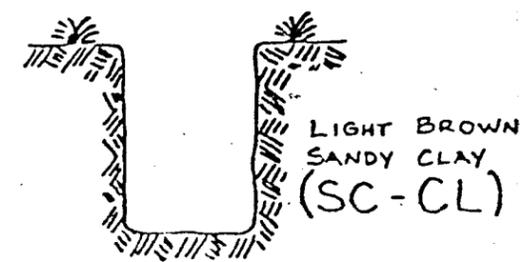
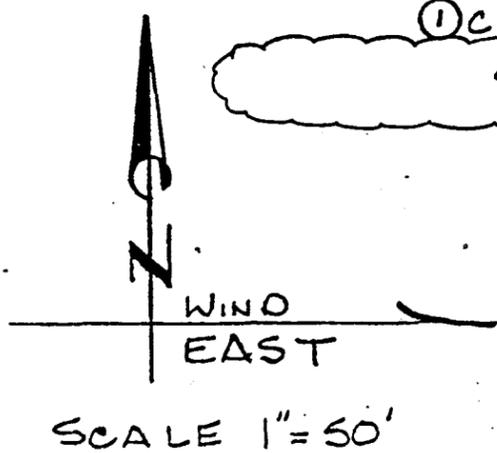
SLOPES 1:1



CROSS SECTIONS



1"=10'
SCALES
1"=50'



APPROXIMATE YARDAGES

CUT 6330	Cu. Yds.
FILL 2037	Cu. Yds.

EXHIBIT "B"

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

✓
** FILE NOTATIONS **

Date: March 30
Operator: Cym Corp.
Well No: Crooked Canyon Fed 2
Location: Sec. 34 T. 13S R. 23E County: Uintah

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

API NUMBER: 43-04730386

CHECKED BY:
Administrative Assistant [Signature]
Remarks: Unit Well
Petroleum Engineer [Signature]
Remarks:
Director 2
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. Surface Casing Change
to _____

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

O.K. Rule C-3 O.K. In Crooked Canyon Unit

Other:

Letter Written/Approved

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety							1, 2, 4, 6	3-24-81	
2. Unique charac- teristics							1, 2, 4, 6	3-24	
3. Environmentally controversial							1, 2, 4, 6	3-24	
4. Uncertain and unknown risks							1, 2, 4, 6	3-24	
5. Establishes precedents							1, 2, 4, 6	3-24	
6. Cumulatively significant							1, 2, 4, 6	3-24	
7. National Register historic places							1, 6	3-24	
8. Endangered/ threatened species							1, 6	3-24	
9. Violate Federal, State, local, tribal law							1, 2, 4, 6	3-24	

DIVISION OF
OIL, GAS & MINING

APR 13 1981

RECEIVED

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

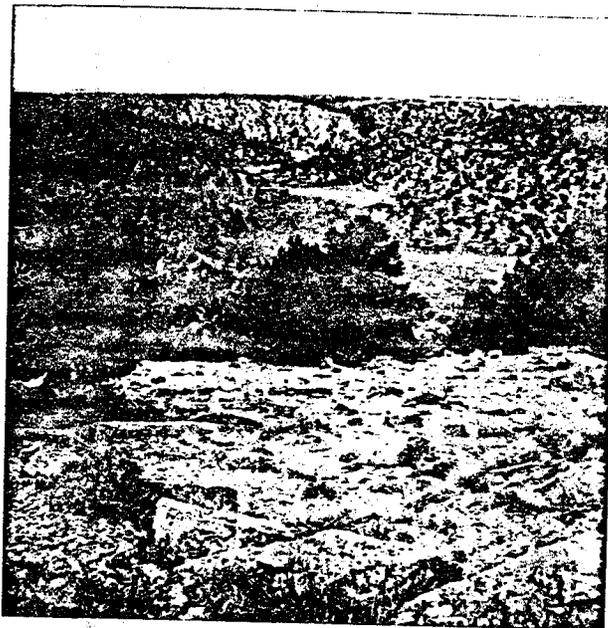
1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation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



*East View
Crooked Canyon #4*



*North View
Crooked Canyon #4*



West View From West Edge of Pad
Crooked Canyon #4

NOTICE OF SPUD

Exxon

Caller: Mike Jolley

Phone: _____

Well Number: #2 Crooked Canyon

Location: 660 FNL 71485 FEL
MW NE 34-13S-23E

County: Uintah State: Utah

Lease Number: U-6615

Lease Expiration Date: _____

Unit Name (If Applicable): Crooked Canyon Unit

Date & Time Spudded: 5-30-81 5:00 P.M. (about)

Dry Hole Spudder: Rotary

Details of Spud (Hole, Casing, Cement, etc.) 17 1/2" hole

Rotary Rig Name & Number: TWT Rig #59

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: KR

Date: 5-28-81

RECEIVED
MAY 29 1981

DIVISION OF
OIL, GAS & MINING

MONTHLY REPORT
OF
OPERATIONS

The following is a correct report of operations and production (including status of all unplugged wells) for the month of April, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Crooked Canyon Unit									
2	34 NW/NE	13S	23E	DRG	None	NONE	NONE	NONE	Spudded 26" hole. Set 20" conductor @ 40', cmt w/ 65 cu. ft. Readi Mix.
Orig & lcc: USGS, Box 2859, Casper, WY 82602 2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116 lcc: Western Exploration Division, Denver, CO 80201 2cc: Proration Specialist lcc: Drilling Section lcc: Central File									



*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	NONE	NONE	NONE
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	NONE	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Melba Kriplinger Address: P. O. Box 1600, Midland, TX 79702
 Title: Unit Head Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)

(2/76)

OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-6615
Communitization Agreement No. NA
Field Name NA
Unit Name Crooked Canyon Unit
Participating Area ----
County Uintah State Utah
Operator Exxon Corporation

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of June, 1981

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Crooked Canyon Unit									
2	34 NW/NE	13S	23E	DRG	None	None	None	None	MIRU. Test BOP to 1000#. Drld to 5845' in shale, siltstone. Logged.
Orig & lcc: USGS, Box 2859, Casper, WY 82602 2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116 lcc: Western Exploration Division, Denver, CO 80201 2cc: Proration Specialist lcc: Drilling Section lcc: Central File									

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	NONE	NONE	NONE
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	NONE	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Melba Kriplinger Address: P. O. Box 1600, Midland, TX 79702
 Title: Unit Head Page 1 of 1

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: 660' FNL & 1485' FEL 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:

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) Changed proposed total depth

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 change proposed total depth from 9500' to 9800'.

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

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

SIGNED Melba Knippling TITLE Unit Head DATE June 22, 1981

(This space for Federal or State office use)

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

5. LEASE <u>U-6615</u>	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>-----</u>	
7. UNIT AGREEMENT NAME <u>Crooked Canyon Unit</u>	
8. FARM OR LEASE NAME <u>Crooked Canyon Unit</u>	
9. WELL NO. <u>2</u>	
10. FIELD OR WILDCAT NAME <u>Wildcat</u>	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec. 34, T13S, R23E</u>	
12. COUNTY OR PARISH <u>Uintah</u>	13. STATE <u>Utah</u>
14. API NO. <u>43-047-30386</u>	
15. ELEVATIONS (SHOW DF, KDB, AND WD) <u>6390' FR</u>	

PRESENTED
JUN 21
DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-6615
Communitization Agreement No. NA
Field Name NA
Unit Name Crooked Canyon Unit
Participating Area ---
County Uintah State Utah
Operator Exxon Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of May, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
<u>Crooked Canyon Unit</u>									
2	34 NW/NE	13S	23E	DRG	None	None	None	None	Shut down; W/O drlg. rig.
Orig & lcc: USGS, Box 2859, Casper, WY 82602 2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116 lcc: Western Exploration Division, Denver, CO 80201 2cc: Proration Specialist lcc: Drilling Section lcc: Central File									

RECEIVED
JUL 03 1981
DIVISION OF OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	NONE	NONE	NONE
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	NONE	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Melba Knippenberg Address: P. O. Box 1600, Midland, TX 79702
Title: Unit Head Page 1 of 1

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: 660' FNL & 1485' FEL 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:		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 proposed total depth		

5. LEASE
U-6615

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.
2

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T13S, R23E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-30386

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6390' GR

(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.)*

Please change proposed total depth from 9800' to 10,000'

RECEIVED

JUL 13 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 Melba Knippling TITLE Unit Head DATE July 6, 1981

(This space for Federal or State office use)

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

DIVISION OF OIL, GAS AND MINING

Art

PLUGGING PROGRAM

NAME OF COMPANY: Exxon ART PENA (915) 685-9346

WELL NAME: Crooked Canyon #2,

SECTION 34 TOWNSHIP 13S RANGE 23E COUNTY Uintah

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 9804'

CASING PROGRAM:

- 20" @ 40' Cement to surface
- 13 3/8" @ 520' Cement to surface
- 9 5/8" @ 5856' (TOC?)

FORMATION TOPS:

Not run, approximate Dakota 9500'

PLUGS SET AS FOLLOWS:

- 1) 9500'-9400' (200' Cement plug across Dakota)
- 2) 7000'-6900'
- 3) 5900'-5700'
- 4) 570'-470'
- 5) 50'-Surface

Place 8.8#, 50 vis fresh water gel based abandonment mud between plugs; clean, restore and regulate site, erect regulation dryhole marker.

DATE 7-14-81 3:00 PM SIGNED MTM *M. J. M.*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well

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: 660' FNL & 1485' FEL 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:		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 checked="" 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)			

RECEIVED
AUG 10 1981
DIVISION OF OIL, GAS & MINING

5. LEASE U-6615
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. 2
10. FIELD OR WILDCAT NAME Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T13S, R23E
12. COUNTY OR PARISH Uintah
13. STATE Utah
14. API NO. 43-047-30386
15. ELEVATIONS (SHOW DF, KDB, AND WD) 6390' GR

(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.)*

See Attached for completion procedure.

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

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

SIGNED Melba Knippling TITLE Unit Head DATE August 4, 1981

(This space for Federal or State office use)

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

wellhead completion

CROOKED CANYON #2

COMPLETION PROCEDURE #1

A. Objective: Test well in the Dakota formation, if gas productive, then frac; if not, test the Frontier formation and frac if gas productive.

B. STATUS:

- 1. Wellheads: 'A' section 13 3/8" x 12" - 2000 psi
 'B' section 12" x 10" - 3000 psi
 Tubing head 10" x 6" - 5000 psi
 Tubing head adapter 6" x 2-9/16" 5000 psi

2. Tree - 2-9/16" - 5000 psi (Sweet Service)

- 3. Casing - 13 3/8" 61# K-55 but @ 520' cmt to surface
 9 5/8" 40# N-80 LTC @ 5856' cmt w/2200 sx
 5 1/2" 17# N-80 LTC 9836-8800'
 5 1/2" 17# K-55 LTC 8800-7000'
 5 1/2" 15.5# K-55 LTC 7000-0'

4. TOC - 6320' (CALCULATED)

5. Tubing: 2 7/8" 6.5# N-80 EUE tubing

6. Tubular Properties

				ID	DRIFT	COLLAPSE 1.125	BURST 1.125	CAPACITY
5 1/2"	15.5#	K-55	LTC	4.950	4.825	3590	4280	.0238 bpf
5 1/2"	17.0#	K-55	LTC	4.892	4.767	4365	4730	.0232 bpf
5 1/2"	17.0#	N-80	LTC	4.892	4.767	5585	6880	.0232 bpf
2 7/8"	6.5#	N-80	tbg	2.441	2.347	9920	9400	.00579 bpf

CROOKED CANYON #2

COMPLETION PROCEDURE #1

1. Move in pulling unit, ND tree and NU 6" - 5000 ~~psi~~ BOP with 2 7/8" pipe rams and blind rams. Test to 300 psi and 5000 psi.
 2. RIH with 4 3/4" bit, drill collars, and casing scraper to PSTD (+9795').
 3. Circulate 2% KCl water down tubing, taking returns on 2 7/8" x 5 1/2" annulus. Circulate complete cycle. POH with tubing, scraper and bit.
 4. RU lubricator. Run gamma ray/collar locator log from 9750' to 6000' and correlate to Schlumberger's open hole FDL-CNL Log run 7-14-81, converting uncased hole depths to cased hole depths. RD lubricator.
 5. Run the following tubing string assembly:
 - a. 2 7/8" muleshoe
 - b. 1 joint 2 7/8" 6.5# N-80 EUE tubing
 - c. Baker "EA" packer (or equivalent) minimum ID-1.978"
 - d. 2 7/8" 6.5# N-80 EUE tubing (1 JOINT)
 - e. OTIS "X" LANDING NIPPLE (MIN. ID = 2.313")
 - f. 2-7/8" 6.5# N-80 EUE TUBING
- NOTE: 1. Drift tubing to 2.347". Visually check packer AND LANDING NIPPLE.
2. Use threadkote 706 on pin end of tubing.
3. Internally test tubing to 5000 psi while GIH.
6. Set pkr @ 9470'. Load annulus with 2% KCl water and test pkr to 3000 psi with 1000 psi on tubing. Bleed off TBG AND ANNULUS.
 7. Hang off tubing. ND BOPs. Install and test tree as per manufacture rep. Re-test annulus to 3000 psi with 1000 psi on tubing. Bleed off TBG AND ANNULUS.
 8. Swab fluid level to 3300'.
 9. Perforate the Dakota sand with a 1-11/16" thru tubing de-centralized perforating gun, 0° phasing, 1 spf, with a 750 psi differential into the wellbore. Perforate the following intervals: (Total of 69 shots)

9570-9580'	9642-9650'
9592-9596'	9662-9670'
9604-9620'	9690-9696'
9630-9640'	
 10. Swab well to kick off; test Dakota. Report results to Oklahoma City District Office. If necessary to acidize and frac, proceed with Step 11. If zone proves unproductive, go to Frontier Test Procedure.
 11. RU Halliburton to acidize and frac well. Install tree saver w/10,000 working pressure.
 12. Lay treatment line from pump trucks to wellhead and pressure test to 10,000 psi. Install relief valve on annulus. Set to relieve @ 2500 psi.

13. Hold safety meeting prior to perforation treatment.
14. Put 500 psi on 2 7/8" x 5 1/2" annulus after loading tubing, and monitor during acid job. Treat Dakota down 2 7/8" N-80 tubing with 7500 gallons 7 1/2% HCl with 100 (1.1 S.G-7/8") ball sealers. Pump 24 bbls, then drop 1 ball per 1.5 bbl thereafter. (Verify that balls will sink by dropping them into 2% KCl prior to job.) If ball out occurs, surge balls off perforations and resume treatment. Displace through perforations with 57 bbls 2% KCl water. Flow back well to unseat ball sealers. Obtain ISIP. (See Attachment 1 for additives.) Attempt to pump @ 3-5 BPM. Do not exceed 5000 psi.
15. Release pressure on annulus, unseat the pkr and lower the pkr to about 50' below the perms to knock the ball sealers off. Reset pkr at +9470, and re-pressure up on the annulus to 2000[#] pressure.
16. Frac the Dakota down 2 7/8" N-80 tubing with 112,000 gallons 75% quality nitrogen foam with 18,000# 100 mesh Ottawa sand, and 156,000# 20-40 Ottawa sand as follows: (See Attachment #1 for additives)
 - a. 4000 gal foam pad
 - b. 4000 gal foam pad w/1 PPG 100 mesh sand (4000#)
 - c. 4000 gal foam pad
 - d. 5000 gal foam pad w/1 PPG 100 mesh sand (5000#)
 - e. 5000 gal foam pad
 - f. 7000 gal foam w/1 PPG 20-40 sand (7000#)
 - g. 10,000 gal foam w/2 PPG 20-40 sand (20,000#)
 - h. 17,000 gal foam w/3 PPG 20-40 sand (51,000#)
 - i. Pump 1000 gals of 75% quality foam with 33 (1.1 S.G., 7/8") ball sealers
 - j. Repeat Steps A-H

Attempt to pump @ 10 BPM. Expected pressure 8900 psi. Do not exceed 10,000 psi. Displace with 2300 gallons foam. Do not overflush. Shut in 2 hours.

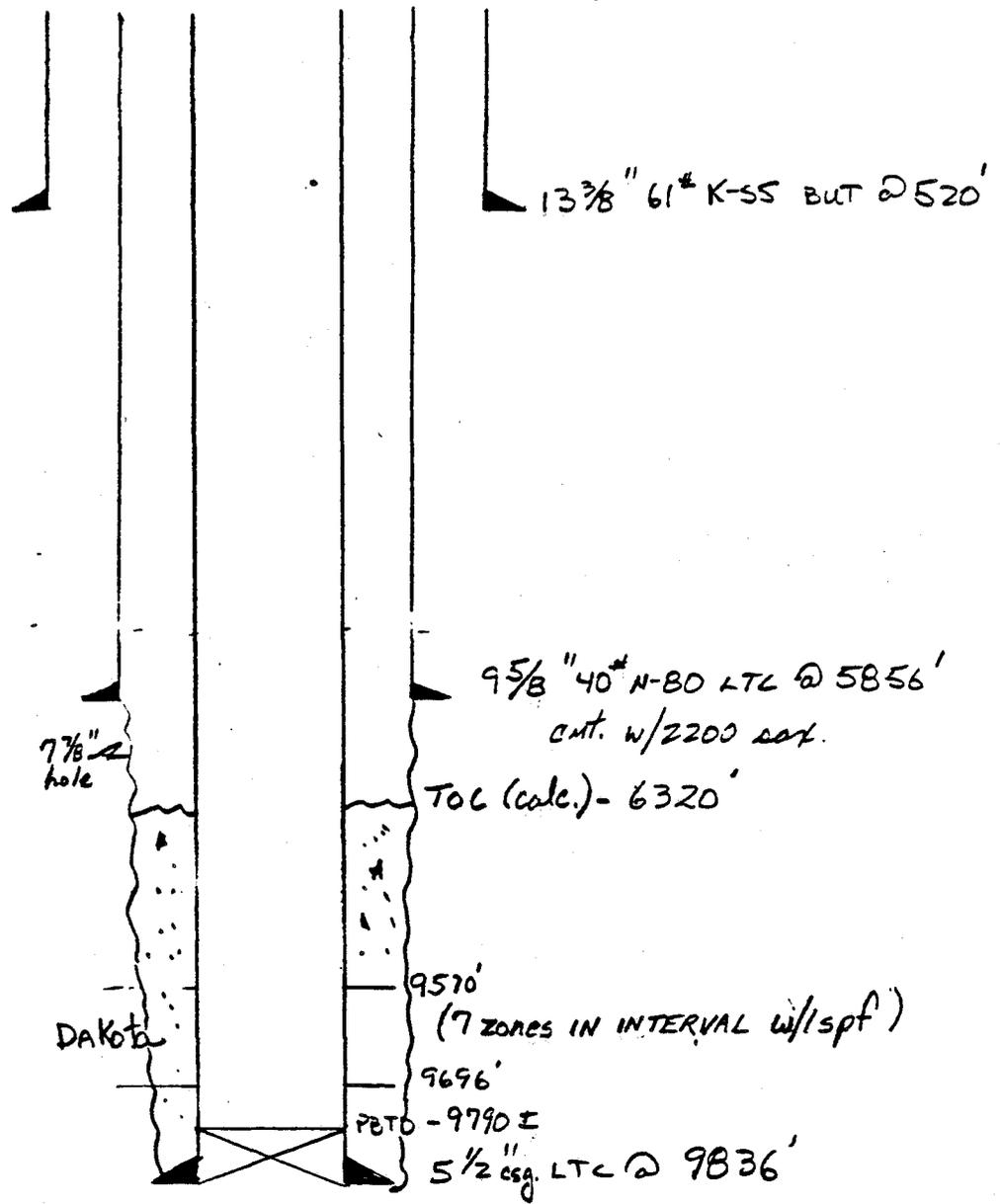
NOTE: Tag sand with radioactive material. Run a gamma ray log 24 hours after frac to determine extent of the fracture.

17. Flow test. Report results to OKC District Office.
18. Remaining procedure will follow depending upon results.

SEN:drb

SAD
SAB

CROOKED CANYON #2
Sec. 34-13S-23E (Unitah Co., Utah)



ATTACHMENT #1

A. Acid Additives

HAI-75 3 gal/1000 gal Corrosion Inhibitor
4#/1000 gal friction reducing agent
1 gal/1000 gal surfactant
2 gal/1000 gal clay stabilizer

B. Frac pad and flush additives:

75% quality foam
2% KCl
5 gal/1000 gal foaming agent
2 gal/1000 gal clay stabilizer

C. Gelled foam additives (same as pad/flush, plus the following):

40 lbs per 1000 gal linear gel
Breaker

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-6615
Communitization Agreement No. NA
Field Name NA *Undesignated or Wildcat*
Unit Name Crooked Canyon Unit
Participating Area ---
County Uintah State Utah
Operator Exxon Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of July, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Gals of Water	Remarks
Crooked Canyon Unit									
2	34 NW/NE	13S	23E	DRG	None	None	None	None	Logged. NU BOP & set to 3000#. Drld to 9837' TD. Logged Ran 5 1/2" csg set @ 9836'. W/O Comp. rig.
Orig & lcc:		USGS, Box 2859, Casper, WY 82602							
2cc:		Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116							
1cc:		Oklahoma City District							
2cc:		Proration Specialist							
1cc:		Drilling Section							
1cc:		Central File							

RECEIVED
AUG 20 1981
None
DIVISION OF
OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	NONE	NONE	NONE
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	NONE	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Melba Kripling Address: P. O. Box 1600, Midland, Texas 79702
Title: Unit Head Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-6615
Communitization Agreement No. NA
Field Name NA
Unit Name Crooked Canyon Unit
Participating Area ---
County Uintah State Utah
Operator Exxon Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of August, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Crooked Canyon Unit									
2	34 NW/NE	13S	23E	DRG	None	None	None	None	SI, W/O completion rig. RU comp. rig. Run tbg. Logged. Perf. 9570-9696'.
Orig & lcc:		USGS, Box 2859, Casper, WY 82602							
2cc:		Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116							
1cc:		Oklahoma City District							
2cc:		Proration Specialist							
1cc:		Drilling Section							
1cc:		Central File							

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	NONE	NONE	NONE
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	NONE	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Edgar Runkel Address: P. O. Box 1600, Midland, TX 79702
Title: Unit Head

September 25, 1981

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

Re: Well No. Crooked Canyon #2
Sec. 34, T. 13S, R. 23E
Uintah County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

TERRI REID
CLERK-TYPIST

Enclosure

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: 660' FNL & 1485' FEL of Section
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-6615

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Crooked Canyon Unit

9. WELL NO.
2

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T13S, R23E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-30386

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6390' 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 checked="" type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	<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.)*

See attached for Frontier Zone completion procedure.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 11-3-81
BY: M. J. Mendenhall

OCT 23 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 Melvin Kripling TITLE Unit Head DATE October 19, 1981

(This space for Federal or State office use)

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

CROOKED CANYON #2
COMPLETION PROCEDURE #2
FRONTIER TEST PROCEDURE

1. Kill well with 2% KCl water.
2. Remove tree. Nipple up BOP's and test. Unland tubing, unseat pkr and pull out of the hole.
3. RU lubricator. RIH on wireline with a CIBP for 5½"-17# csg. Set at +9535. Dump 10' of cement on top of CIBP. POH. Test casing to 3000 psi.

4. Run the following tubing string assembly:

- a. 2 7/8" muleshoe
- b. 1 joint 2 7/8" 6.5# N-80 EUE tubing
- c. Baker "EA" packer (or equivalent) min. ID (1.978)
- d. 1 joint 2 7/8" 6.5# N-80 EUE tubing
- e. Otis x' landing nipple (ID=2.313)
- f. 2 7/8" 6.5# N-80 EUE tubing

NOTES: 1. Drift tubing to 2.347". Visually check landing nipple and packer.
2. Use threadkote 706 on pin end of tubing.
3. Internally test tubing to 5000 psi while GIH.

5. Set pkr @ +9370. Load annulus with 2% KCl water and test pkr to 3000 psi with 1000 psi on tubing. Bleed off.
6. Hang off tubing. ND BOP's. Install and test tree. Re-test annulus to 3000 psi with 1000 psi on tubing. Bleed off.
7. ~~Swab fluid level to 3200'.~~
8. Perforate the Frontier from 9468' to 9476' w/a ^{4" hollow steel carrier} ~~1 11/16" thru tubing~~ perforating gun, 180° phasing, 2 spf.
9. See Attachment #2 for pressure buildup and testing procedure.
10. It is necessary to acidize and frac, proceed with Step 10; if Frontier zone is unproductive, await further orders from OKC District office.
11. RU Halliburton to acidize and frac well. Install treesaver w/10,000 psi W.P.
12. Lay treatment line from pump trucks to wellhead and pressure test to 10,000 psi. Install relief valve on annulus. Set to relieve @ 2500 psi.
13. Hold safety meeting prior to perforation treatment.
14. Put 2000 psi on 2 7/8" x 5½" annulus after loading tubing, and monitor during acid job. Treat Frontier down 2 7/8" N-80 tubing with 2000 gallons 7½% HCl with 25 (1.1 S.G.-7/8") ball sealers. Pump 10 bbls, then drop 1 ball per 1.5 bbls thereafter. (Verify that balls will sink by dropping them into 2% KCl prior to job.) If ball out occurs, surge balls off perforations and resume treatment. Displace through perforations with 56 bbls 2% KCl water. Flow back well to unseat ball sealers. Obtain ISIP. See Attachment #1 for additives. Attempt to pump @ 3-5 BPM. Do not exceed 5000 psi.

15. ~~_____~~
~~_____~~
~~_____~~

16. Frac the Frontier down 2 7/8" N-80 tubing with 40,000 gals 75% quality nitrogen foam with 6000# 100 mesh Ottawa sand, and 59,000# 20-40 Ottawa sand as follows:
(See Attachment #1 for additives)

- a. 2500 gal foam pad
- b. 2500 gal foam pad w/1 PPG 100 mesh sand (2500#)
- c. 2500 gal foam pad
- d. 3500 gal foam pad w/1 PPG 100 mesh sand (3500#)
- e. 3500 gal foam pad
- f. 5000 gal foam w/1 PPG 20-40 sand (10000#)
- g. 7500 gal foam w/2 PPG 20-40 sand (15000#)
- h. 13000 gal foam w/3 PPG 20-40 sand (39000#)

Attempt to pump @ 10 BPM. Expected pressure 8700 psi. Do not exceed 10,000 psi.
Displace with 2200 gal foam. Do not overflush. Shut in 2 hours.

16. Flow test. Report results to OKC District office.

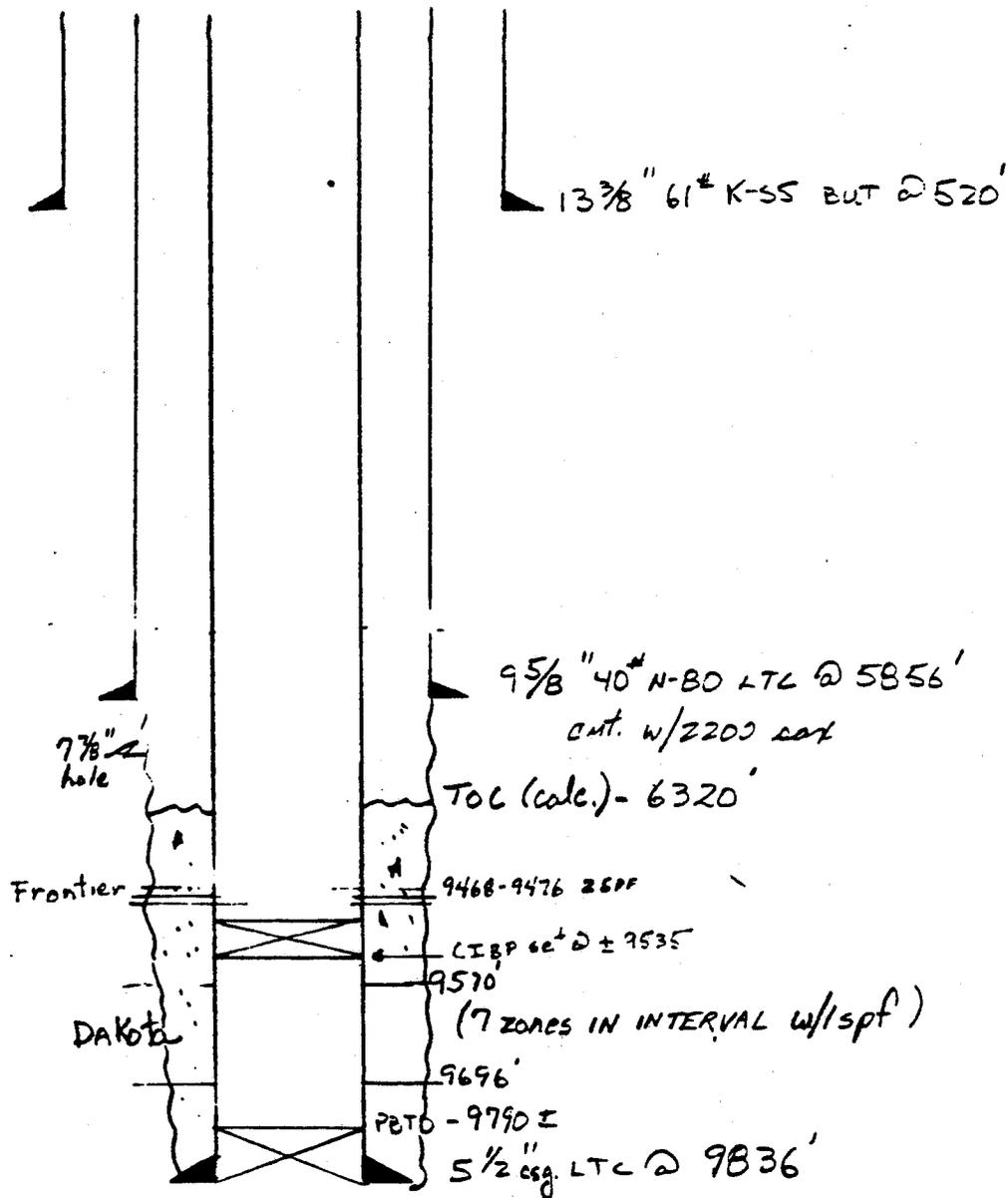
17. Tubing running procedure will be provided depending upon results.

SEN:drb

7/30/81

Handwritten initials:
SAD
JAB

CROOKED CANYON #2
 Sec. 34-135-23E (Uintah Co., Utah)



SRN

ATTACHMENT #1

A. Acid Additives

HAI-75 3 gal/1000 gal Corrosion Inhibitor
4#/1000 gal friction reducing agent
1 gal/1000 gal surfactant
2 gal/1000 gal clay stabilizer

B. Frac pad and flush additives:

75% quality foam
2% KCl
5 gal/1000 gal foaming agent
2 gal/1000 gal clay stabilizer

C. Gelled foam additives (same as pad/flush, plus the following):

40 lbs per 1000 gal linear gel
Breaker

MONTHLY REPORT
 OF
 OPERATIONS

The following is a correct report of operations and production (including status of all plugged wells) for the month of October, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

RECEIVED
 NOV 30 1981
 DIVISION OF
 OIL, GAS & MINING

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
<u>Crooked Canyon Unit</u>									
2	34 NW/NE	13S	23E	DRG	6	None	354	77	SI, WOCR. Flow tstg. 69 MCFPD. Test BOP to 3000#. Set pkr. Tstd. tbg to 5000#. Tstd. packer to 3000#. Swbd.
Orig & 1cc: USGS, Box 2859, Casper, WY 82602 2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, Utah 1cc: Oklahoma City District 1cc: Drilling Section 2cc: Proration Specialist 1cc: Central File									

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	NONE	354	77
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	354	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	77
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: Debra Kripling Address: P. O. Box 1600, Midland, TX 79702
 Title: Unit Head Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5

5. LEASE DESIGNATION AND SERIAL NO.

U-6615

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.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 34, T13S, R23E

12. COUNTY OR PARISH

Utah

13. STATE

Utah

19. ELEV. CASINGHEAD

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR

Exxon Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1600, Midland, Texas 79702

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

At surface 660' FNL & 1485' FEL of Section

At top prod. interval reported below

NWNE

At total depth

14. PERMIT NO. DATE ISSUED

43-047-30386 4-4-78

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATION OF PACK, RT, GR, ETC.* 19. ELEV. CASINGHEAD

6/1/81

7/20/81

11/17/81

6389'

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE HOLES, HOW MANY? 23. INTERVALS DRILLED ROTARY TOOLS CABLE TOOLS

9837'

9788'

2

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND SURVEY) 25. WAS DIRECTIONAL SURVEY MADE

Dakota

9570'-9696'

No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

CND, Bore Hole Sonic/GR, Cyberlook, SFL

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/4"	61	520'	17 1/2"	600 sx Cl. H	
9 5/8"	40	5856'	12 1/4"	2000 sx Cl. A, 200 sx Cl. H	
5 1/2"	17, 15.5	9836'	7 7/8"	425 sx. Lite 355 sx. Cl. C	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	9375'	9370'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9570'-9696'	Acidz w/7500 gal 7 1/2% HCl, frac. w/112,000 gal 75% foam 18,000 # 100 mesh sd. & 156,000 # 20/40 sd.

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
9/15/81	Flowing	Shut in					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/15/81	24	8/64	→	-	66	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
680	-	→	----	66	-	-	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

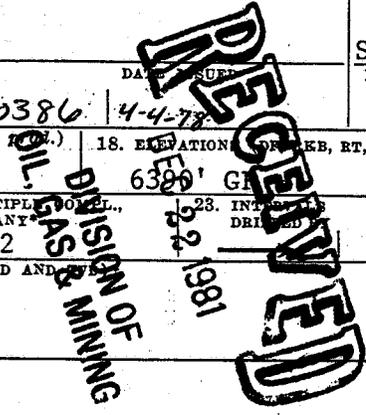
Vented Steve Phillips

35. LIST OF ATTACHMENTS

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

SIGNED Eric S. Powell TITLE Accountant DATE 12/14/81

*(See Instructions and Spaces for Additional Data on Reverse Side)



INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

RECEIVED

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC. (SEE INSTRUCTIONS)
Frontier	9468'	9476'	C ₁ , C ₂ , C ₃ , CO ₂
Dakota	9570'	9696'	C ₁ , C ₂ , C ₃ , CO ₂
			180' 00"
			MINIMUM 3 2/3 INCHES
			JULY 1950
			MORRISON
			Dakota
			Frontier
			Mancos
			Castlegate
			Sego
			Mesa Verde
			Wasatch
			MEAS. DEPTH
			1735'
			3335'
			5323'
			5497'
			5632'
			9430'
			9525'
			9765'
			TRUE VERT. DEPTH

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-6615
Communitization Agreement No. NA
Field Name NA Undesignated
Unit Name Crooked Canyon Unit
Participating Area NA
County Uintah State Utah
Operator Exxon Corporation

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of November, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
<u>Crooked Canyon Unit</u>									
2	34 NW/NE	13S	23E	DRG	7	None	164	None	Frac. Frontier 9468-9476'. Flow tstd. wells. FRW 11-17-81. SI waiting on pipeline connections.
Orig & lcc: USGS, Box 2859, Casper, WY 82602 2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT lcc: Oklahoma City District lcc: Drilling Section 2cc: Proration Specialist lcc: Central File									

RECEIVED
 DIVISION OF OIL, GAS & MINING
 JAN 12 1982

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	NONE	164	NONE
*Sold	NONE		XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	164	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Edgar Renteria Address: P. O. Box 1600, Midland, TX 79702

Title: Unit Head Page 1 of 1

Date Submitted: JANUARY 4, 1982



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

January 13, 1982

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

Re: Well No. Crooked Canyon Unit #2
Sec. 34, T. 13S, R. 23E
Uintah County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office December 14, 1982, from the above referred to well, indicates the following electric logs were run: CND, Bore Hole Sonic/Gr, Cyberlook, SFL. As of todays date, this office has not received any of the above logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 (FORM 9-329)
 (2/76)
 OMB 42-RO 356

MONTHLY REPORT
 OF
 OPERATIONS

Lease No. U-6615
 Communitization Agreement No. NA
 Field Name NA
 Unit Name Crooked Canyon Unit #2
 Participating Area NA
 County Uintah State Utah
 Operator Exxon Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of Oct, 19 84

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
2	34 NW/NE	13S	23E	GSI	0	0	0	0	

RECEIVED
 DEC 11 1984
 DIVISION OF
 OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	0	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	0	0	0
*Sold	0	0	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	0	0	XXXXXXXXXXXXXXXXXXXX
*Injected	0	0	0
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	0
*Other (Identify)	0	0	0
*On hand, End of Month	0	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXXXX

Authorized Signature: Shari L. Armstrong Address: P.O. Box 1600, Midland, TX 79702
 Title: Accountant
 Date Submitted: 11-30-84 Page 1 of 1

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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-6615	
2. NAME OF OPERATOR Exxon Corporation Attn: Melba Knipling		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, Texas 79702		7. UNIT AGREEMENT NAME Crooked Canyon Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FNL and 1485' FEL of Section		8. FARM OR LEASE NAME Crooked Canyon Unit	
14. PERMIT NO.		9. WELL NO. 2	
15. ELEVATIONS (Show whether of, to, or, etc.) 6390' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T13S, R23E	
		12. COUNTY OR PARISH Uintah	13. STATE Utah

16. 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) <u>Location release</u> <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.)*

The location was cleaned up on 10-15-81 and the site was reseeded. The site is ready for inspection so that Exxon may be released from the location.

The site is

18. Hereby certify that the foregoing is true and correct

SIGNED Melba Knipling TITLE Unit Head DATE 2-4-85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate*
(Other instructions on reverse side)

070334

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

5. LEASE DESIGNATION AND SERIAL NO.

U-6615

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 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 and in accordance with any State requirements.*
See also space 17 below.)
At surface

660' FNL and 1485' FEL of Section

7. UNIT AGREEMENT NAME

Crooked Canyon Unit

8. FARM OR LEASE NAME

Crooked Canyon Unit

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 34, T13S, R23E

12. COUNTY OR PARISH 13. STATE

Uintah Utah

14. PERMIT NO.

43-047-30386

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6390' Ungraded Ground

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Suspend Production

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

Suspend production of this well until final completion. This lease is still in its primary term.

RECEIVED
JUL 02 1986

DIVISION OF
OIL, GAS & MINING

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

SIGNED

Thomas C. Boehm

TITLE Accountant

DATE

6/19/86

(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
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
DEC 19 1990

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-6615
2. NAME OF OPERATOR Exxon Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, Texas 79702		7. UNIT AGREEMENT NAME Crooked Canyon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FNL & 1485' FEL		8. FARM OR LEASE NAME Crooked Canyon Unit
14. PERMIT NO. API# 43-047-30386 <i>SGW</i>		9. WELL NO. 2
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6390 GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 34, T13S-R23E
		12. COUNTY OR PARISH Unitah
		13. STATE Utah

16. 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 checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <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.)*

Plug and abandon as soon as approved. Procedure attached.

**ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 12-24-90
BY: J. Matthews

18. I hereby certify that the foregoing is true and correct
SIGNED A. M. Correa TITLE Administrative Specialist DATE 12-13-90

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

WELL ABANDONMENT PROCEDURE

OBJECTIVE: Plug and Abandon Well

BACKGROUND: It is not economical to produce well due to high cost to install pipe line and low production potential.

Formation psi: +/- 4050 psi	Prod Csg: 5.5", 15.5",
W.O. Fluid: 9+ ppg BW	K-55, 17", K-55,
Max Anticipated SITP: +/- 3500 psi	N-80
BOP Class: IIA	Min Drift ID: 4.767"
BOP Variances Apply: No	Max Burst (w/ 1.1 SF): 4372 psi
BOP Service: Sweet	
High Risk H2S Equip Req: No	
H2S: None	

** Make sure to check annular pressures on all annuli prior to rigging up. Pressures were checked in 5/90, for results see bottom of attached wellbore sketch and well history.

PROCEDURE:

1. Notify BLM at Vernal (801-789-1362) 24 hrs prior to starting P&A job. Notify the Utah O&G Conservation Commission at Salt Lake City (801-538-5340) 24 hrs prior to P&A Job as a courtesy.
2. Use class "G" cmt for all plugs (Note: Any additives necessary will be specified below).
3. MIRU WSU. Blow well down. Fill 5-1/2" x 2-7/8" and 5-1/2" x 9-5/8" ann w/ 9+ ppg BW if necessary (May have to lubricate and bleed to get annuli full). Kill well with +/- 95 bbl's 9+ ppg BW, wait 30 min. When well is dead, Install BPV in tbg hanger or install plug in tbg string. Install BOP's and test as per company guidelines. Remove BPV (or plug in tbg string). Unseat pkr w/ safety valve closed. Check for u-tube effect. Rev circ 1-1/2 x volume of bottoms up to clear wellbore of all gas.
4. When well is static, POH and lay down pkr and BHA, keeping hole full.
5. RIH w/ tbg conveyed CIBP and set at +/-9400'. Test CIBP and csg to 1000 psi. Spot a 25 sx balanced cmt plug as listed below (Note: Mix cmt w/ 0.2 % of D-13 (Dowell low temp retarder) or equivalent for BHT = 195 degrees. Thickening time = 2 - 2-1/2 hrs. Have a

local cementer run pilot test prior to setting plug).

Plug Set:

---- Depth ----		Type Plug*	Tagged (yes/no)
Top'	Bottom'		
<u>9180</u>	<u>9400</u>	<u>CEMENT</u>	<u>NO</u>
_____	_____	_____	_____

Cement:

Sqz Depth _____ (ft)
 Leak or Channel Depth _____ (ft)
 Volume of Cement 25 (sacks)
 Cement Class* APICLSG API CLASS G
 Avg Cementing Pressure _____ (psi)
 Avg Cementing Rate _____ (bpm)
 Service Company* _____
 temp pkr or Retainer Depth _____ (ft)
 Type of Job* P&A P&A

Additives:

Function*	amt	Brand name
<u>RTDR</u> RETARDER	<u>0.2% D-13</u>	<u>Dowell or equivalent</u>
_____	_____	_____

- POH slowly, (to allow cmt in tbg to fall) to +/- 9200' and rev circ tbg clean. Disp csg with +/- 220 bbl's 10 ppg BW w/ 20 lbs salt gel/bbl.
- POH laying down tbg to +/- 8475'. Spot a 40 sx balanced cmt plug as listed below to cover the Mancos formation (Note: Mix cmt w/ 0.2 % of D-13 (Dowell low temp retarder) or equivalent for BHT = 170 degrees. Thickening time = +/- 3 hrs. Have local cementer run pilot test prior to setting plug).

Plug Set:

---- Depth ----		Type Plug*	Tagged (yes/no)
Top'	Bottom'		
<u>8101</u>	<u>8475</u>	<u>CEMENT</u>	<u>NO</u>
_____	_____	_____	_____

Cement:

Sqz Depth _____ (ft)
 Leak or Channel Depth _____ (ft)
 Volume of Cement 40 (sacks)
 Cement Class* APICLSG API CLASS G

Procedure by MAF

Avg Cementing Pressure _____ (psi)
 Avg Cementing Rate _____ (bpm)
 Service Company* _____
 temp pkr or Retainer Depth _____ (ft)
 Type of Job* P&A _____ P&A

Additives:

Function*	amt	Brand name
<u>RTDR</u> RETARDER	<u>0.2%</u> D-13	<u>Dowell or equivalent</u>

8. POH, slowly, (to allow cmt in tbg to fall) laying down tbg to +/- 7900' and rev circ out tbg clean.
9. POH laying down tubing and CIBP setting tool, standing back 5910' of tbg.
10. RU WLSU w/ class II lubricator and test per company guidelines. RIH and perf 5-1/2" as listed below. POH w/ WL and gun.

Perforate:

Service Company* _____
 Gun Type* HCHE HOLLOW CARRIER HIGH EFFICIENCY
 Gun Size 3-1/8" (inches)
 Correlation log type _____
 Zero pnt _____
 Press Diff _____ (psi) when shot underbalanced
 Phasing _____
 Location _____

Corrected collars _____

Correlation Tie in point _____

top of Interval	Bottom of Interval	Spacing	Shots per ft	Total
<u>5906</u>	<u>5907</u>	_____	<u>4</u>	<u>8</u>

(if spacing = 5 and shots/ft = 2, then every 5 ft shoot 2 holes)
 Perforation Depths: (across then down) Shots/ft _____

11. RIH to 5906'. Attempt to establish circ down 5-1/2" csg taking returns out 5-1/2" x 9-5/8" ann up to a maximum pressure of 1000 psi.
12. If circ is established, close 5-1/2" x 9-5/8" ann. Spot a 75 sx balanced cmt plug as listed below. Pull up above TOC to +/- 5000'. Close pipe rams, open 5-1/2" x 9-5/8" ann and squeeze 10.0 bbl's (49 sx) cmt thru perfs, thus leaving cmt plug from +/- 5691' - 5906' (** Note: If circulation and/or injection can not established please call M. A. Franko at (915) 688-6228 in the Midland office for instructions).

Plug Set:

---- Depth ----		Type Plug*	Tagged (yes/no)
Top'	Bottom'		
<u>5691</u>	<u>5907</u>	<u>CEMENT</u>	<u>YES</u>
_____	_____	_____	_____

Cement:

Sqz Depth 5907 (ft)
 Leak or Channel Depth _____ (ft)
 Volume of Cement 75 (sacks)
 Cement Class* APICLSG API CLASS G
 Avg Cementing Pressure _____ (psi)
 Avg. Cementing Rate _____ (bpm)
 Service Company* _____
 temp pkr or Retainer Depth _____ (ft)
 Type of Job* P&A P&A

Additives:

Function*	amt	Brand name
<u>NONE</u>	_____	_____
_____	_____	_____

- 13. WOC. RIH and tag TOC. If TOC is below 5806', then re-cement as necessary to bring TOC to 5806'. Test cmt plug and csg to 1000 psi.
- 14. POH laying down tbg.
- 15. RU WLSU w/ class II lubricator. RIH w/ ** punch type ** perf gun and shoot 8 holes from 570'- 571' through 5-1/2" csg only (** Make sure to order out a gun type and size that will not penetrate the 9-5/8" csg **). POH w/ WL and gun.

Perforate:

Service Company* _____
 Gun Type* OTHER OTHER
 Gun Size see above (inches)
 Correlation log type _____
 Zero pnt _____
 Press Diff _____ (psi) when shot underbalanced
 Phasing _____
 Location _____
 Corrected collars _____

Correlation Tie in point _____

top of Interval	Bottom of Interval	Spacing	Shots per ft	Total
<u>570</u>	<u>571</u>	_____	<u>4</u>	<u>8</u>
_____	_____	_____	_____	_____

(if spacing = 5 and shots/ft = 2, then every 5 ft shoot 2 holes)
 Perforation Depths: (across then down) Shots/ft _____

- 17. Establish circ down 5-1/2" csg taking returns out 5-1/2" x 9-5/8" ann up to a maximum pressure of 1000 psi.
- 18. Once circ is established, pump +/- 200 sx cmt thru perms as listed below until there are good cmt returns at surface out 5-1/2" x 9-5/8" ann. Thus leaving the inside of the 5-1/2" casing and the 5-1/2" x 9-5/8" ann filled w/ cmt from surface to 571'.

Plug Set:

----- Depth -----		Type Plug*	Tagged (yes/no)
Top'	Bottom'		
<u>0</u>	<u>571</u>	<u>CEMENT</u>	<u>NO</u>
_____	_____	_____	_____

Cement:

Sqz Depth 571 (ft)
 Leak or Channel Depth _____ (ft)
 Volume of Cement 200 (sacks)
 Cement Class* APICLSG API CLASS G
 Avg Cementing Pressure _____ (psi)
 Avg Cementing Rate _____ (bpm)
 Service Company* _____
 temp pkr or Retainer Depth _____ (ft)
 Type of Job* P&A P&A

Additives:

Function*	amt	Brand name
<u>NONE</u>	_____	_____
_____	_____	_____

- 19. Remove BOP and wellheads (see Wellhead Removal Procedure in Division Workover Operations Manual). Ensure all annuli are filled w/ cmt from 50' to surface.
- 20. Cut off csg at base of cellar or 3' below GL. Weld on 1/4" thick steel plate w/ 1/2" bleeder valve or install a 10' long, 4" OD pipe, 4' above GL, embedded in cmt. BLM will specify whether to use plate or pipe. Permanently inscribe on the marker:

Exxon Corp.
 Crooked Canyon Unit #2
 FED LSE # 623578
 660' FNL, 1485' FEL
 Sec. 34, T-13S, R-23E
 Uinta County, Utah
 Date plugged

- 21. RDMO. Clean up location.

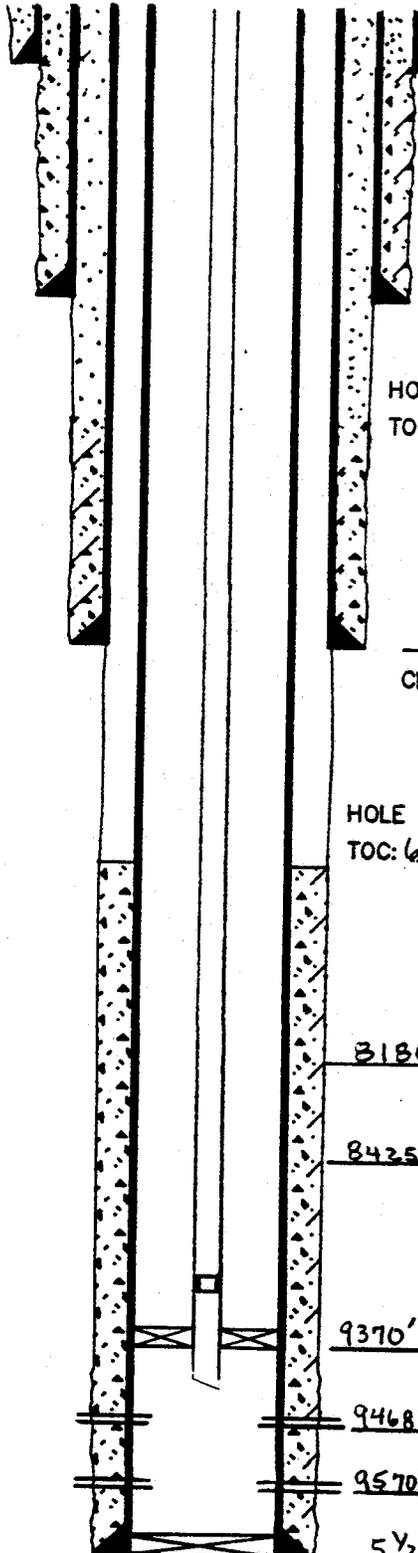
NOTES:

- * A list of materials left on location, as well as transfers for material removed from the location should be forwarded to Materials Management in Midland.
- ** Please use the WAMO Cost Tracking Sheet to track your daily charges for this job. The total cost to date should be placed on the Morning Report as usual. In the event a supplement is needed, please contact M. D. Bidwell or M. A. Franko in the Midland office and and panafax a copy of your cost sheet to one of them.

WELLBORE SKETCH AND WELL HISTORY

ELEV.: KB 6406', 16' ABOVE GL.

LEASE & WELL NAME: CROOKED CANYON UNIT # 2
 FIELD: WILDCAT COUNTY: VINTAH ST.: UTA
 LOCATION: 660' ENL & 1485' FEL, SEC 34,
T 13 S, R 23 E, LEASE NO U. 6615
 DATE: 6-19-1990 BY: M.A. FRANK REV.: _____ BY: _____



20' @ 40' 2 1/2" HOLE
 CMPD W/ 65 FT³ CMT
 HOLE SIZE: 1 7/2"
 TOC: SFC'

13 7/8" • 520'
 CMT 600 SX

HOLE SIZE: 1 1/4"
 TOC: SFC' (CALC USING 42%
 EXCESS RECORDS UNCLEAR)

9 5/8" • 5856'
 CMT 2200 SX

HOLE SIZE: 7 7/8"
 TOC: 6320' CALC

3180' - TOP OF MANCOS

8425' - BOTTOM OF MANCOS

9370' CS-1 PKR

9468'-9476' - FRONTIER (16 SHOTS)

9570'-9696' - DAKOTA (62 SHOTS)

5 1/2" • 9836'
 CMT 780 SX

CASING RECORD

SURFACE CASING

O.D.	WT/FT	GRADE	SET AT
20"	94"	H-40	40'
13 7/8"	61"	K-55 BUTT	520'

PRODUCTION CASING

9 5/8"	40"	K-55, L-80	5856'
5 1/2"	15.5"	K-55	7000'
5 1/2"	17"	K-55, N-80	9836'

TUBING

NO. JTS.	O.D.	THD.	TYPE	WT.	GDE.	SET.
	2 7/8"	BRD	EVE	6.5"	N-80	9370

WELL HISTORY:

12/81 DRILLED & COMPLETED. PERF. DAKOTA FORM FROM 9570'-9696' W/ 62 SHOTS & FRONTIER FORM FROM 9468'-9476' (16 SHOTS). I.P.D = 121 - 176 MCF, FTP = 1150 ps ON 1 1/4" CHOKR.

11/89 SITP = 3200 psi, SEINT CSG = 2500 psi. SICP = 1800 psi. BLEED ALL CSG GAS PRESS. PUMPED TEFLON INTO 11" BOWL TO SEAL 9 5/8" - PRESSURED SEAL TO 4000 psi. BLEED DOWN TO 3200 psi & STILL HAD SLIGHT LEAK. PUMPED TEFLON INTO 13 3/8" BOWL. ENERGIZED TOP SIDE OF X-OVERSLIPS W/ TEFLON SEALANT. PRESS TO 4000 psi. HELD 15 MIN. PUMP OIL ON TOP OF 9 5/8" SLIPS. TESTED VOID 1500 psi. HELD 15 MIN. BLEED OFF ALL CSG LEAKS.

5/90 CHECKED PRESS'S: SITP = 3150 psi
 TBG x 5 1/2" CSG ANN = 1050 psi
 5 1/2" x 9 5/8" CSG ANN = 21 psi - BLEED DOWN - 5 MIN
 9 5/8" x 13 3/8" CSG ANN = 0 psi

TD: 9837' PBD: 9788'

WELLBORE SKETCH AND WELL HISTORY

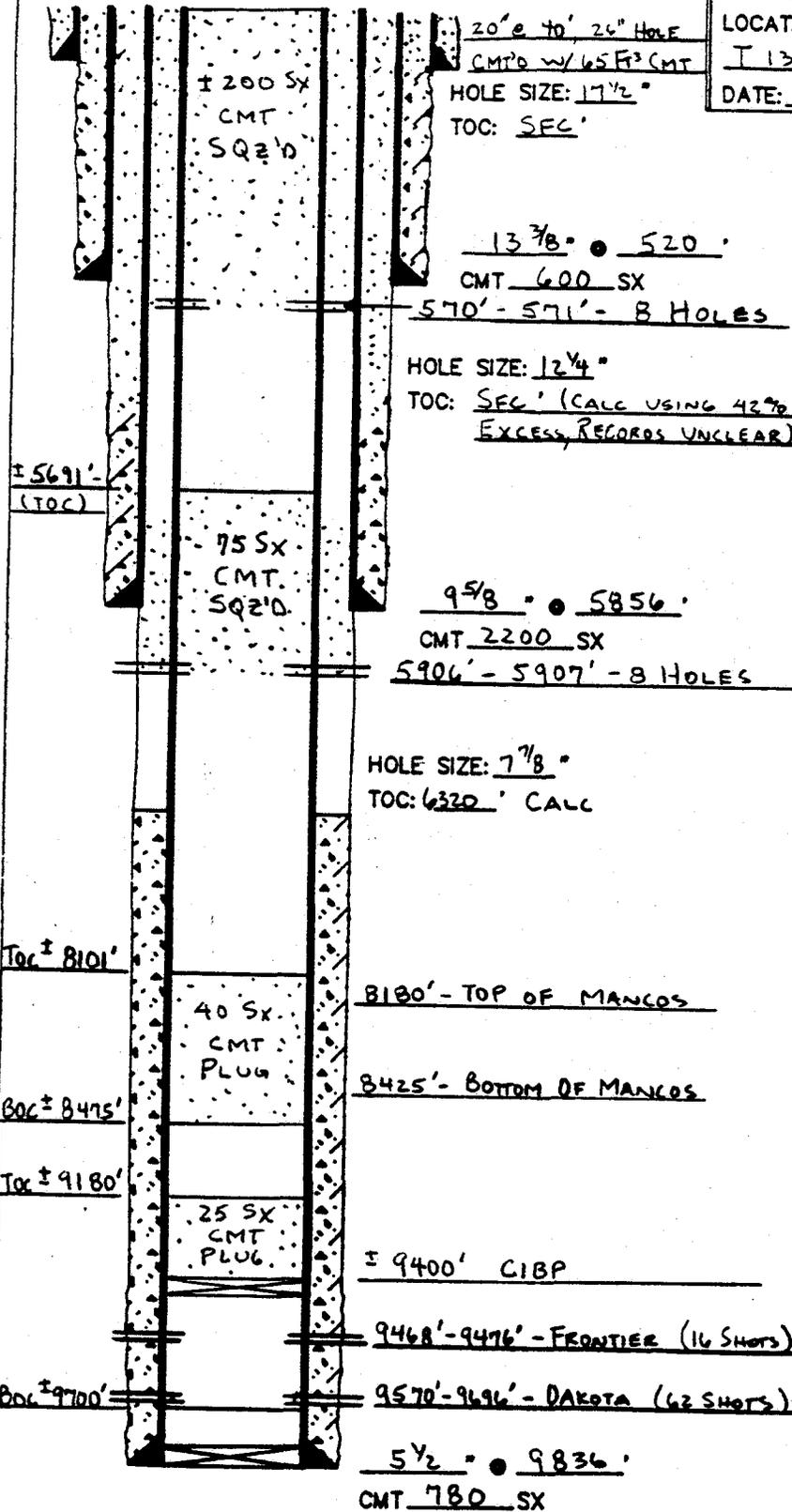
ELEV.: KB 6406' * 16' ABOVE G.L.

LEASE & WELL NAME: CROOKED CANYON UNIT # 2

FIELD: WILDCAT COUNTY: VINTAH ST.: UT

LOCATION: 660' ENL & 1485' FEL SEC 34, T13S, R23E, LEASE NO U. 6415

DATE: 6-19-1990 BY: M.A. FRANK REV.: _____ BY: _____



CASING RECORD

SURFACE CASING

O.D.	WT/FT	GRADE	SET AT
20	94	H-40	40'
13 7/8"	61	K-55 BUTT	520'

PRODUCTION CASING

O.D.	WT/FT	GRADE	SET AT
9 5/8"	40	K-55, L-80	5856'
5 1/2"	15.5*	K-55	7000'
5 1/2"	17*	K-55, N-80	9836'

TUBING

NO. JTS.	O.D.	THD.	TYPE	WT.	GDE.	SET

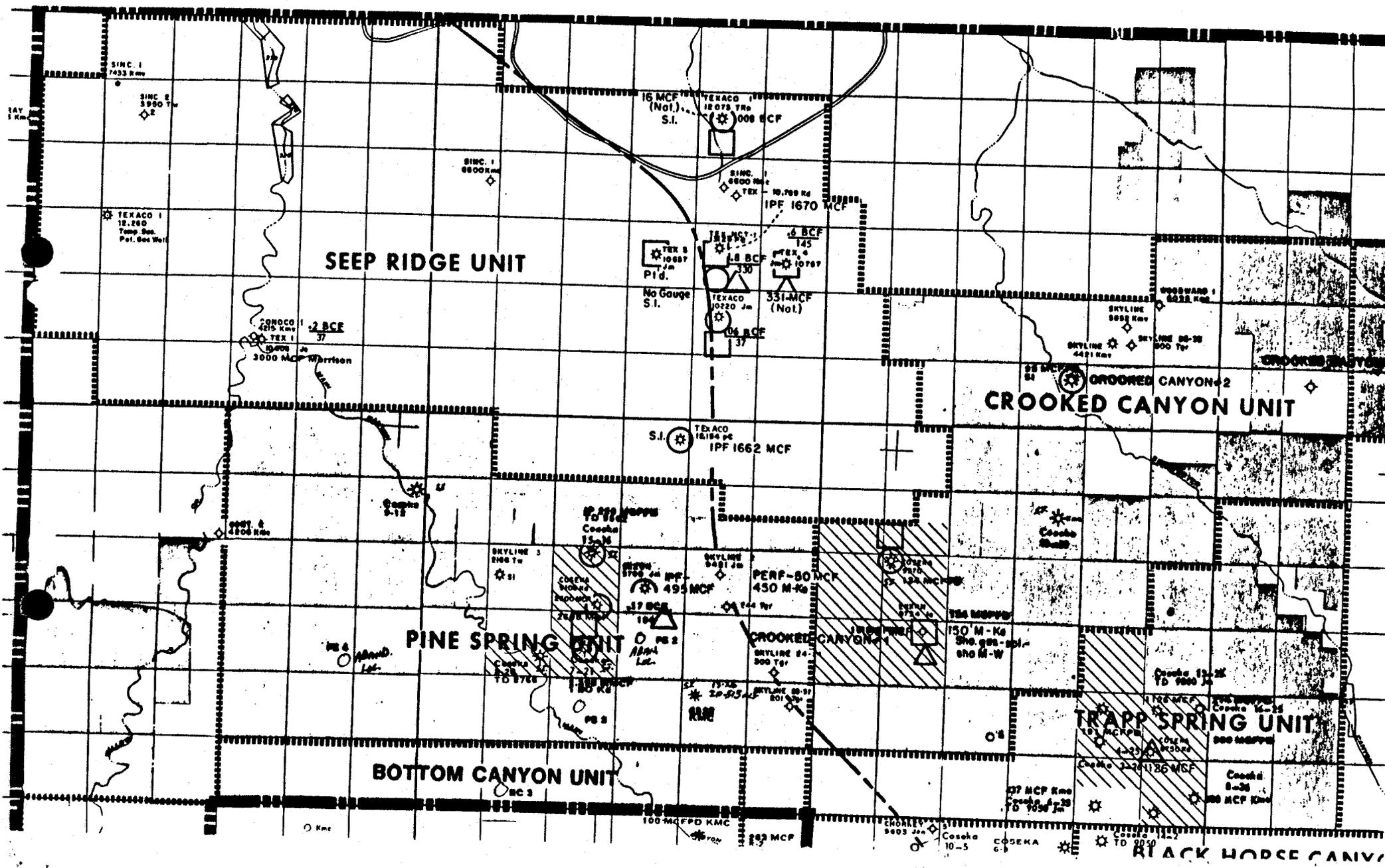
WELL HISTORY:

12/81 DRILLED & COMPLETED PERFORM DAKOTA FORM FROM 9570'-9696' W/ 62 SHOTS & FRONTIER FORM FROM 9468'-9476' (16 SHOTS).
 IPD = 121 - 176 MCF, FTP = 1150 PSI ON 13/64" CHOKE.

11/89 SITP = 3200 PSI, SEINT CSG = 2500 SICP = 1800 PSI. BLEED ALL CSG GAS PRESS. PUMPED TEFLON INTO 11" BOWL TO SEAL 9 5/8" - PRESSURED SEAL TO 4000 PSI. BLEED DOWN TO 3200 PSI & STILL HAD SLIGHT LEAK. PUMPED TEFLON INTO 13 5/8" BOWL ENERGIZED TOP SIDE OF X OVERSIPS W/ TEFLON SEALANT & PRESS TO 4000 PSI. HELD 15 MIN. PUMP OIL ON TOP OF 9 5/8" SLIPS. TESTED VOID TO 1500 PSI. HELD 15 MIN. BLEED OFF ALL CSG GAS.

5/90 CHECKED PRESS: SITP = 3150 PSI
 106 X 5 1/2" CSG ANN = 1050 PSI
 5 1/2" X 9 5/8" CSG ANN = 21 PSI - BLEED DOWN - 5 M
 9 5/8" X 13 5/8" " " = 0 PSI

TD: 9837' PBD: 9788'



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
DEC 24 1990
DIVISION OF
OIL, GAS & MINING

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Exxon Corporation Attn: Alex M. Correa

3. Address and Telephone No.

P.O. Box 1600, Midland TX 79702 (915)688-7532

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 1485' FEL, SEC 34, T13S - R23E

5. Lease Designation and Serial No.

U - 6615

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

CROOKED CANYON UNIT

8. Well Name and No.

2

9. API Well No.

43-047-30386

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection

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

13. 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.)*

PLUG AND ABANDON. PROCEDURE ATTACHED

RECEIVED
DEC 20 1990

WYO. OIL & GAS
CONSERVATION COMMISSION

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

DATE: 12-24-90
[Signature]

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

[Signature] Alex M Correa

Title

Administrative Specialist

Date

12-13 -90

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

WELL ABANDONMENT PROCEDURE

OBJECTIVE: Plug and Abandon Well

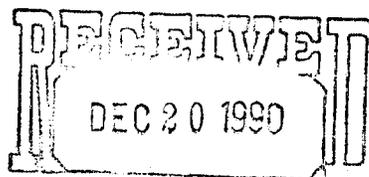
BACKGROUND: It is not economical to produce well due to high cost to install pipe line and low production potential.

Formation psi: +/- 4050 psi	Prod Csg: 5.5", 15.5",
W.O. Fluid: 9+ ppg BW	K-55, 17", K-55,
Max Anticipated SITP: +/- 3500 psi	N-80
BOP Class: IIA	Min Drift ID: 4.767"
BOP Variances Apply: No	Max Burst (w/ 1.1 SF): 4372 psi
BOP Service: Sweet	
High Risk H2S Equip Req: No	
H2S: None	

** Make sure to check annular pressures on all annuli prior to rigging up. Pressures were checked in 5/90, for results see bottom of attached wellbore sketch and well history.

PROCEDURE:

1. Notify BLM at Vernal (801-789-1362) 24 hrs prior to starting P&A job. Notify the Utah O&G Conservation Commission at Salt Lake City (801-538-5340) 24 hrs prior to P&A Job as a courtesy.
2. Use class "G" cmt for all plugs (Note: Any additives necessary will be specified below).
3. MIRU WSU. Blow well down. Fill 5-1/2" x 2-7/8" and 5-1/2" x 9-5/8" ann w/ 9+ ppg BW if necessary (May have to lubricate and bleed to get annuli full). Kill well with +/- 95 bbl's 9+ ppg BW, wait 30 min. When well is dead, Install BPV in tbg hanger or install plug in tbg string. Install BOP's and test as per company guidelines. Remove BPV (or plug in tbg string). Unseat pkr w/ safety valve closed. Check for u-tube effect. Rev circ 1-1/2 x volume of bottoms up to clear wellbore of all gas.
4. When well is static, POH and lay down pkr and BHA, keeping hole full.
5. RIH w/ tbg conveyed CIBP and set at +/-9400'. Test CIBP and csg to 1000 psi. Spot a 25 sx balanced cmt plug as listed below (Note: Mix cmt w/ 0.2 % of D-13 (Dowell low temp retarder) or equivalent for BHT = 195 degrees. Thickening time = 2 - 2-1/2 hrs. Have a



WYO. OIL & GAS
CONSERVATION COMMISSION

local cementer run pilot test prior to setting plug).

Plug Set:

Depth		Type Plug*	Tagged (yes/no)
Top'	Bottom'		
<u>9180</u>	<u>9400</u>	<u>CEMENT</u>	<u>NO</u>

Cement:

Sqz Depth _____ (ft)
 Leak or Channel Depth _____ (ft)
 Volume of Cement 25 (sacks)
 Cement Class* APICLSG API CLASS G
 Avg. Cementing Pressure _____ (psi)
 Avg. Cementing Rate _____ (bpm)
 Service Company* _____
 temp pkr or Retainer Depth _____ (ft)
 Type of Job* P&A P&A

Additives:

Function*	amt	Brand name
<u>RTDR</u> RETARDER	<u>0.2% D-13</u>	<u>Dowell or equivalent</u>

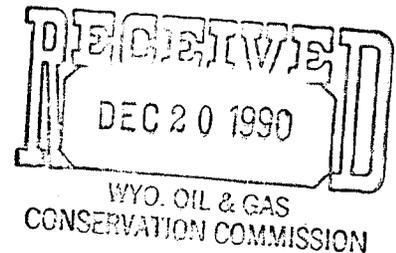
- POH slowly, (to allow cmt in tbg to fall) to +/- 9200' and rev circ tbg clean. Disp csg with +/- 220 bbl's 10 ppg BW w/ 20 lbs salt gel/bbl.
- POH laying down tbg to +/- 8475'. Spot a 40 sx balanced cmt plug as listed below to cover the Mancos formation (Note: Mix cmt w/ 0.2 % of D-13 (Dowell low temp retarder) or equivalent for BHT = 170 degrees. Thickening time = +/- 3 hrs. Have local cementer run pilot test prior to setting plug).

Plug Set:

Depth		Type Plug*	Tagged (yes/no)
Top'	Bottom'		
<u>8101</u>	<u>8475</u>	<u>CEMENT</u>	<u>NO</u>

Cement:

Sqz Depth _____ (ft)
 Leak or Channel Depth _____ (ft)
 Volume of Cement 40 (sacks)
 Cement Class* APICLSG API CLASS G



Avg Cementing Pressure _____ (psi)
 Avg Cementing Rate _____ (bpm)
 Service Company* _____
 temp pkr or Retainer Depth _____ (ft)
 Type of Job* P&A P&A

Additives:

Function*	amt	Brand name
<u>RTDR</u> RETARDER	<u>0.2% D-13</u>	<u>Dowell or equivalent</u>

8. POH, slowly, (to allow cmt in tbg to fall) laying down tbg to +/- 7900' and rev circ out tbg clean.
9. POH laying down tubing and CIBP setting tool, standing back 5910' of tbg.
10. RU WLSU w/ class II lubricator and test per company guidelines. RIH and perf 5-1/2" as listed below. POH w/ WL and gun.

Perforate:

Service Company* _____
 Gun Type* HCHE HOLLOW CARRIER HIGH EFFICIENCY
 Gun Size 3-1/8" (inches)

Correlation log type _____
 Zero pnt _____
 Press Diff _____ (psi) when shot underbalanced
 Phasing _____
 Location _____
 Corrected collars _____

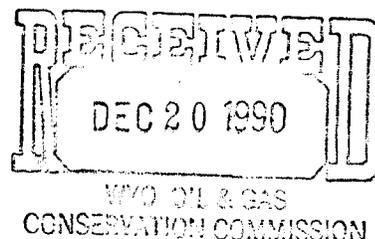
Correlation Tie in point _____

top of Interval	Bottom of Interval	Spacing	Shots per ft	Total
<u>5906</u>	<u>5907</u>	_____	<u>4</u>	<u>8</u>

(if spacing = 5 and shots/ft = 2, then every 5 ft shoot 2 holes)
 Perforation Depths: (across then down) Shots/ft _____

11. RIH to 5906'. Attempt to establish circ down 5-1/2" csg taking returns out 5-1/2" x 9-5/8" ann up to a maximum pressure of 1000 psi.
12. If circ is established, close 5-1/2" x 9-5/8" ann. Spot a 75 sx balanced cmt plug as listed below. Pull up above TOC to +/- 5000'. Close pipe rams, open 5-1/2" x 9-5/8" ann and squeeze 10.0 bbl's (49 sx) cmt thru perfs, thus leaving cmt plug from +/- 5691' - 5906' (** Note: If circulation and/or injection can not established please call M. A. Franko at (915) 688-6228 in the Midland office for instructions).

Plug Set:



---- Depth ----		Type Plug*	Tagged (yes/no)
Top'	Bottom'		
<u>5691</u>	<u>5907</u>	<u>CEMENT</u>	<u>YES</u>
_____	_____	_____	_____

Cement:

Sqz Depth 5907 (ft)
 Leak or Channel Depth _____ (ft)
 Volume of Cement 75 (sacks)
 Cement Class* APICLSG API CLASS G
 Avg Cementing Pressure _____ (psi)
 Avg Cementing Rate _____ (bpm)
 Service Company* _____
 temp pkr or Retainer Depth _____ (ft)
 Type of Job* P&A _____ P&A

Additives:

Function*	amt	Brand name
<u>NONE</u>	_____	_____
_____	_____	_____

13. WOC. RIH and tag TOC. If TOC is below 5806', then re-cement as necessary to bring TOC to 5806'. Test cmt plug and csg to 1000 psi.
14. POH laying down tbg.
15. RU WLSU w/ class II lubricator. RIH w/ ** punch type ** perf gun and shoot 8 holes from 570'- 571' through 5-1/2" csg only (** Make sure to order out a gun type and size that will not penetrate the 9-5/8" csg **). POH w/ WL and gun.

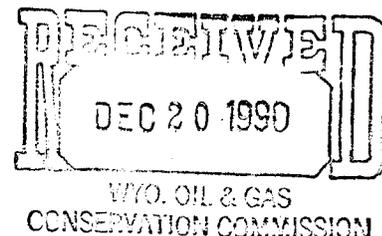
Perforate:

Service Company* _____
 Gun Type* OTHER OTHER
 Gun Size see above (inches)

Correlation log type _____
 Zero pnt _____
 Press Diff _____ (psi) when shot underbalanced
 Phasing _____
 Location _____
 Corrected collars _____

Correlation Tie in point		Spacing	Shots per ft	Total
top of Interval	Bottom of Interval			
<u>570</u>	<u>571</u>	_____	<u>4</u>	<u>8</u>
_____	_____	_____	_____	_____

(if spacing = 5 and shots/ft = 2, then every 5 ft shoot 2 holes)
 Perforation Depths: (across then down) Shots/ft _____



17. Establish circ down 5-1/2" csg taking returns out 5-1/2" x 9-5/8" ann up to a maximum pressure of 1000 psi.
18. Once circ is established, pump +/- 200 sx cmt thru perms as listed below until there are good cmt returns at surface out 5-1/2" x 9-5/8" ann. Thus leaving the inside of the 5-1/2" casing and the 5-1/2" x 9-5/8" ann filled w/ cmt from surface to 571'.

Plug Set:

Depth		Type Plug*	Tagged (yes/no)
Top'	Bottom'		
<u>0</u>	<u>571</u>	<u>CEMENT</u>	<u>NO</u>
_____	_____	_____	_____

Cement:

Sqz Depth 571 (ft)
 Leak or Channel Depth _____ (ft)
 Volume of Cement 200 (sacks)
 Cement Class* APICLSG API CLASS G
 Avg Cementing Pressure _____ (psi)
 Avg Cementing Rate _____ (bpm)
 Service Company* _____
 temp pkr or Retainer Depth _____ (ft)
 Type of Job* P&A P&A

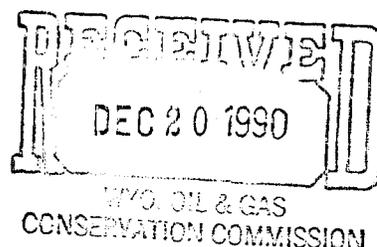
Additives:

Function*	amt	Brand name
<u>NONE</u>	_____	_____
_____	_____	_____

19. Remove BOP and wellheads (see Wellhead Removal Procedure in Division Workover Operations Manual). Ensure all annuli are filled w/ cmt from 50' to surface.
20. Cut off csg at base of cellar or 3' below GL. Weld on 1/4" thick steel plate w/ 1/2" bleeder valve or install a 10' long, 4" OD pipe, 4' above GL, embedded in cmt. BLM will specify whether to use plate or pipe. Permanently inscribe on the marker:

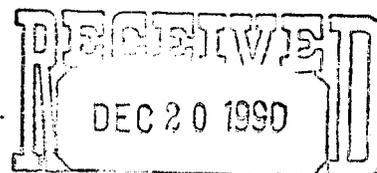
Exxon Corp.
 Crooked Canyon Unit #2
 FED LSE # 623578
 660' FNL, 1485' FEL
 Sec. 34, T-13S, R-23E
 Uinta County, Utah
 Date plugged

21. RDMO. Clean up location.



NOTES:

- * A list of materials left on location, as well as transfers for material removed from the location should be forwarded to Materials Management in Midland.
- ** Please use the WAMO Cost Tracking Sheet to track your daily charges for this job. The total cost to date should be placed on the Morning Report as usual. In the event a supplement is needed, please contact M. D. Bidwell or M. A. Franko in the Midland office and and panafax a copy of your cost sheet to one of them.

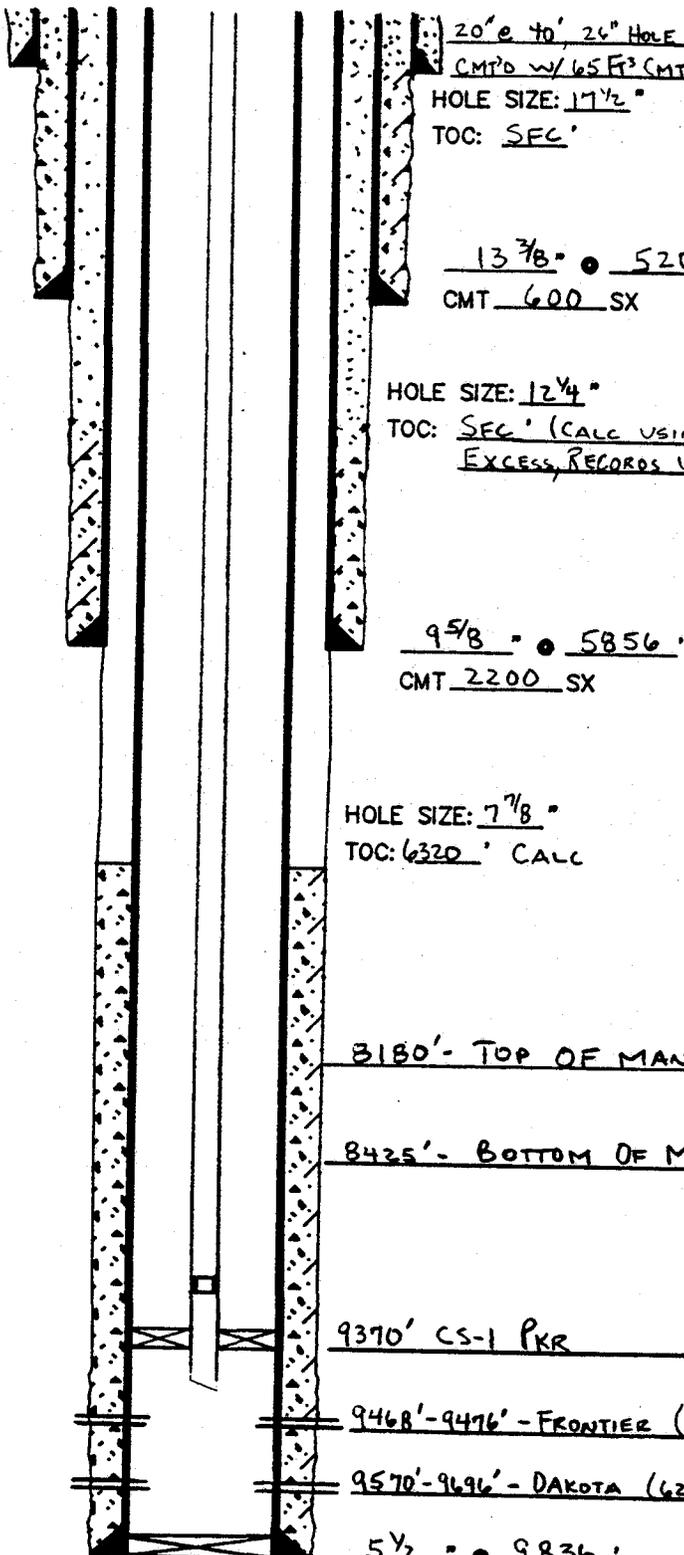


WYO. OIL & GAS
CONSERVATION COMMISSION

WELLBORE SKETCH AND WELL HISTORY

ELEV.: KB 6406', 16' ABOVE G.L.

LEASE & WELL NAME: CROOKED CANYON UNIT # 2
 FIELD: WILDCAT COUNTY: VINTAH ST.: UTAH
 LOCATION: 660' ENL & 1485' FEL, SEC 34,
T 13 S, R 23 E, LEASE NO U. 6615
 DATE: 6-19-1990 BY: M.A. FRANK REV.: _____ BY: _____



20" e 70', 26" Hole
 CMT'D W/ 65 F³ CMT
 HOLE SIZE: 17 1/2"
 TOC: SEC'

13 7/8" • 520'
 CMT 600 SX

HOLE SIZE: 12 1/4"
 TOC: SEC' (CALC USING 42% EXCESS, RECORDS UNCLEAR)

9 5/8" • 5856'
 CMT 2200 SX

HOLE SIZE: 7 7/8"
 TOC: 6320' CALC

3180' - TOP OF MANCOS

8425' - BOTTOM OF MANCOS

9370' CS-1 PKR

9468'-9476' - FRONTIER (16 SHOTS)

9570'-9696' - DAKOTA (62 SHOTS)

5 1/2" • 9836'
 CMT 780 SX

CASING RECORD

SURFACE CASING

O.D.	WT/FT	GRADE	SET AT
20"	94*	H-40	40'
13 7/8"	61*	K-55 BUTT	520'

PRODUCTION CASING

9 5/8"	40'	K-55, L-80	5856'
5 1/2"	15.5*	K-55	7000'
5 1/2"	17*	K-55, N-80	9836'

TUBING

NO. JTS.	O.D.	THD.	TYPE	WT.	GDE.	SET AT
	2 7/8"	BRD	EVE	6.5*	N-80	9370

WELL HISTORY:

12/81 DRILLED & COMPLETED. PERF'D DAKOTA FORM FROM 9570'-9696' W/ 62 SHOTS & FRONTIER FORM FROM 9468'-9476' (16 SHOTS). I.P.D. = 121 - 176 MCF, FTP = 1150 PS ON 13/64" CHOKE.

11/89 SITP = 3200 PSI, SEINT CSG = 2500 PSI, SIGP = 1800 PSI. BLEED ALL CSG GAS PRESS. PUMPED TEFLON INTO 11" BOWL TO SEAL 9 5/8" - PRESSURED SEAL TO 4000 PSI. BLEED DOWN TO 3200 PSI & STILL HAD SLIGHT LEAK. PUMPED TEFLON INTO 13 5/8" BOWL. ENERGIZED TOP SIDE OF X-OVERSLIPS W/ TEFLON SEALANT & PRESS TO 4000 PSI. HELD 15 MIN. PUMP OIL ON TOP OF 9 5/8" SLIPS. TESTED VOID 1500 PSI. HELD 15 MIN. BLEED OFF ALL CSG LEAKS.

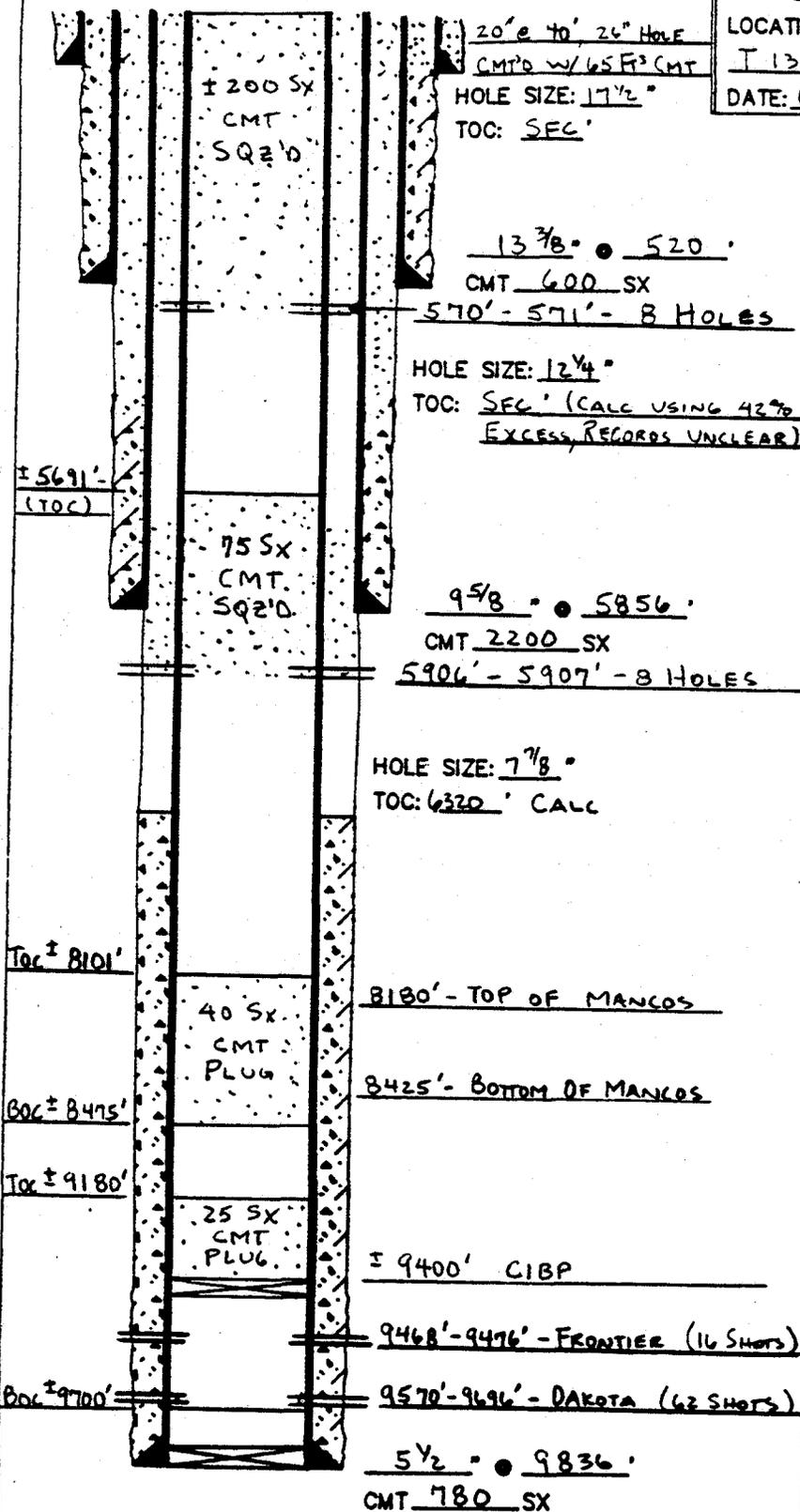
5/90 CHECKED PRESS'S: SITP = 3150 PSI
 TBG X 5 1/2" CSG ANN = 1050 PSI
 5 1/2" X 9 5/8" CSG ANN = 21 PSI - BLEED DOWN - 5 MIN
 9 5/8" X 13 7/8" CSG ANN = 0 PSI

TD: 9837' PBD: 9788'

WELLBORE SKETCH AND WELL HISTORY

ELEV.: KB 6406', 16' ABOVE G.L.

LEASE & WELL NAME: CROOKED CANYON UNIT # 2
 FIELD: WILGAT COUNTY: VINTAH ST.: UTA
 LOCATION: 660' ENL & 1485' FEL SEC 34,
T 13 S, R 23 E, LEASE NO U. 6615
 DATE: 6-19-1990 BY: M.A. FRANK REV.: _____ BY: _____



CASING RECORD

SURFACE CASING

O.D.	WT/FT	GRADE	SET AT
20	94	H-40	40'
13 3/8"	61	K-55 BUTT	520'

PRODUCTION CASING

O.D.	WT/FT	GRADE	SET AT
9 5/8"	40	K-55, L-80	5856'
5 1/2"	15.5*	K-55	7000'
5 1/2"	17*	K-55, N-80	9836'

TUBING

NO. JTS.	O.D.	THD.	TYPE	WT.	GDE.	SET

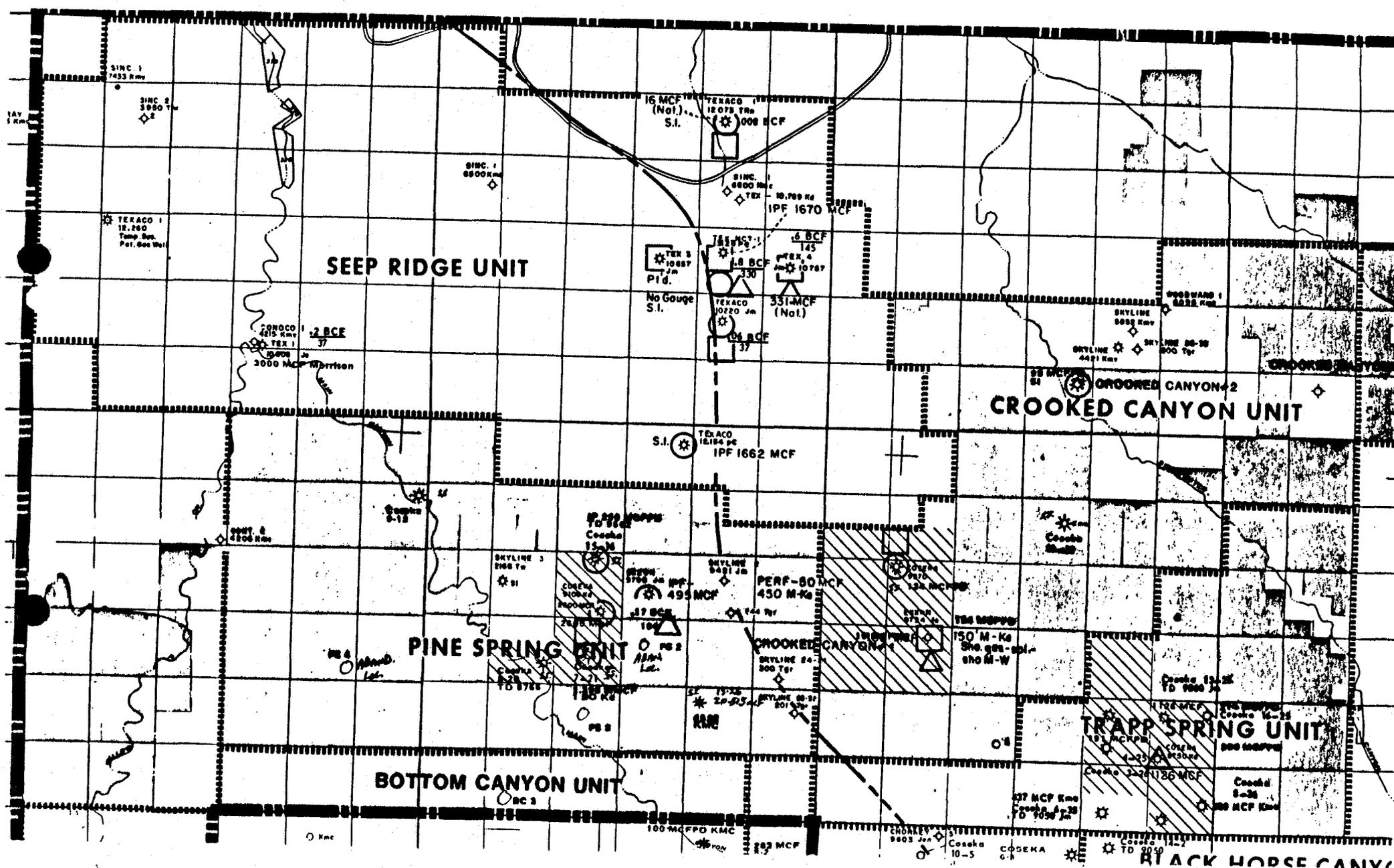
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12/81 DRILLED & COMPLETED. PERF DAKOTA FORM FROM 9570' - 9696' W/ 62 SHOTS & FRONTIER FORM FROM 9468' - 9476' (16 SHOTS). I.P.D. = 121 - 176 MCF, FTP = 1150 P ON 13/64" CHOKE.

11/89 SITP = 3200 psi, SEINT CSG = 2500 psi, SICP = 1800 psi. BLEED ALL CSG GAS PRESS. PUMPED TEFLON INTO 11" BOWL TO SEAL 9 5/8" - PRESSURED SEAL TO 4000 psi. BLEED DOWN TO 3200 psi & STILL HAD SLIGHT LEAK. PUMPED TEFLON INTO 13 5/8" BOWL. ENERGIZED TOP SIDE OF X OVERSHIPS W/ TEFLON SEALANT & PRESS TO 4000 psi. HELD 15 MIN. PUMP OIL ON TOP OF 9 5/8" SLIPS. TESTED VOID TO 1500 psi. HELD 15 MIN. BLEED OFF ALL CSG GAS.

5/90 CHECKED PRESS'S: SITP = 3150 psi
 186 X 5 1/2" CSG ANN = 1050 psi
 5 1/2" X 9 5/8" CSG ANN = 21 psi - BLEED DOWN - 5 P
 9 5/8" X 13 3/8" " " = 0 psi

TD: 9837' PBD: 9788'



SEEP RIDGE UNIT

PINE SPRING UNIT

BOTTOM CANYON UNIT

CROOKED CANYON UNIT

TRAPP SPRING UNIT

BLACK HORSE CANYON UNIT

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

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. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Exxon Corp.</p> <p>3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, Texas 79702</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</p> <p>660' FNL & 1485' FEL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-6615</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME Crooked Canyon Unit</p> <p>8. FARM OR LEASE NAME Crooked Canyon Unit</p> <p>9. WELL NO. 2</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T13S-R23E</p>
<p>14. PERMIT NO. API# 43-047-30386</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6390 GR</p>	<p>12. COUNTY OR PARISH 13. STATE</p>

16. 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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <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.)*

Set plug @ 9350' w/25 sks cmt. Plug @ 8486' w/42 sks cmt. Perf w/8 from 5905-1/2' to 5907-1/2', 100 sks cmt. Perf w/8 from 570'-572', 225 sks cmt. Cut off W.H., set dry hole marker. P&A 1-10-91. (Notice will be sent when reclamation completed).

RECEIVED

APR 25 1991

**DIVISION OF
OIL GAS & MINING**

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

SIGNED *Alex M. Correa* TITLE Administrative Specialist DATE 4/19/91

(This space for Federal or State office use)

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