

FILE NOTATIONS

Entered in NID File ✓  
 Entered On S R Sheet ✓  
 Location Map Pinned ✓  
 Card Indexed ✓  
 I W R for State or Fee Land         

Checked by Chief *PHB*  
 Copy NID to Field Office           
 Approval Letter *7-1-68*  
 Disapproval Letter         

COMPLETION DATA:

Date Well Completed ✓  
 OW          WW          TA           
 GW          OS          PA         

Location Inspected           
 Bond released           
 State of Fee Land         

LOGS FILED

Driller's Log           
 Electric Logs (No. ) *23*  
 E *12* ✓ E-I          GR          GR-N ✓ Micro           
 Lat          Mi-L          Sonic          Others         

*Compensated Formation Density Log*

EXECUTIVE OFFICES:  
LOS ANGELES, CALIFORNIA

BUSINESS AND ADMINISTRATIVE OFFICES:  
5000 STOCKDALE HIGHWAY  
BAKERSFIELD, CALIFORNIA

# OCCIDENTAL PETROLEUM CORPORATION

ROCKY MOUNTAIN DIVISION  
824 PATTERSON BUILDING  
DENVER, COLORADO 80202

AREA OFFICE 303  
PHONE 295-3129

June 27, 1968

Mr. Jerry W. Long, District Engineer  
U. S. Geological Survey  
Branch of Oil and Gas Operations  
Post Office Box 1809  
Durango, Colorado 81302

Re: #2 Cataract Canyon Gov't  
San Juan County, Utah

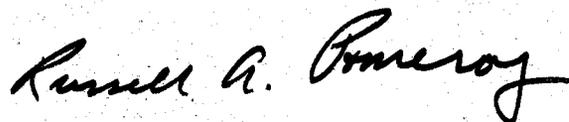
Dear Mr. Long:

Enclosed are three copies of Form 9-331 C, Application for Permit to Drill, covering the subject well. The location shown on this form is the approximate location; we will send an amended report with a copy of the location plat after the location has been surveyed.

I will send two copies of the logs on the #1 Cataract Canyon when we receive the final prints.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION



Russell A. Pomeroy  
Manager of Operations  
Interior Basins Division

RAP:er

Enclosures

cc w/ enclosures:

Utah Oil and Gas Conservation Commission  
348 East South Temple  
Salt Lake City, Utah

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

5. LEASE DESIGNATION AND SERIAL NO.  
**Utah-4971**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-

7. UNIT AGREEMENT NAME  
-

8. FARM OR LEASE NAME  
-

9. WELL NO.  
**#2 Cataract Canyon Govt**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**SE SE 7-32S-19E**

12. COUNTY OR PARISH  
**San Juan**

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  
**OCCIDENTAL PETROLEUM CORPORATION**

3. ADDRESS OF OPERATOR  
**824 Patterson Building Denver, Colorado 80202**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface **SE SE Sec 7-32S, 19E San Juan County, Utah**  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**35 miles NW of Blanding, Utah**

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

16. NO. OF ACRES IN LEASE  
**1874**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
**2330**

20. ROTARY OR CABLE TOOLS  
**Rotary**

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

22. APPROX. DATE WORK WILL START\*  
**7-1-68**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12"	10 3/4"	32.75	200 ±	sufficient to circulate to surface
7-7/8"				

**Drill hole for approximately 200' of 10-3/4" surface casing and cement same. Install air drilling BOPF and test to 500 psi. Air drill 7-7/8" hole to approximate Total Depth of 2300' to test the Desert Creek zone of the Harnosa formation. 5 1/2" production casing will be run if production is encountered. (We will send an amended report with survey plat after location has been surveyed.)**

*43-039-20016*

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 *Russell A. Emery* TITLE Manager DATE 6-27-68  
Russell A. Emery  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

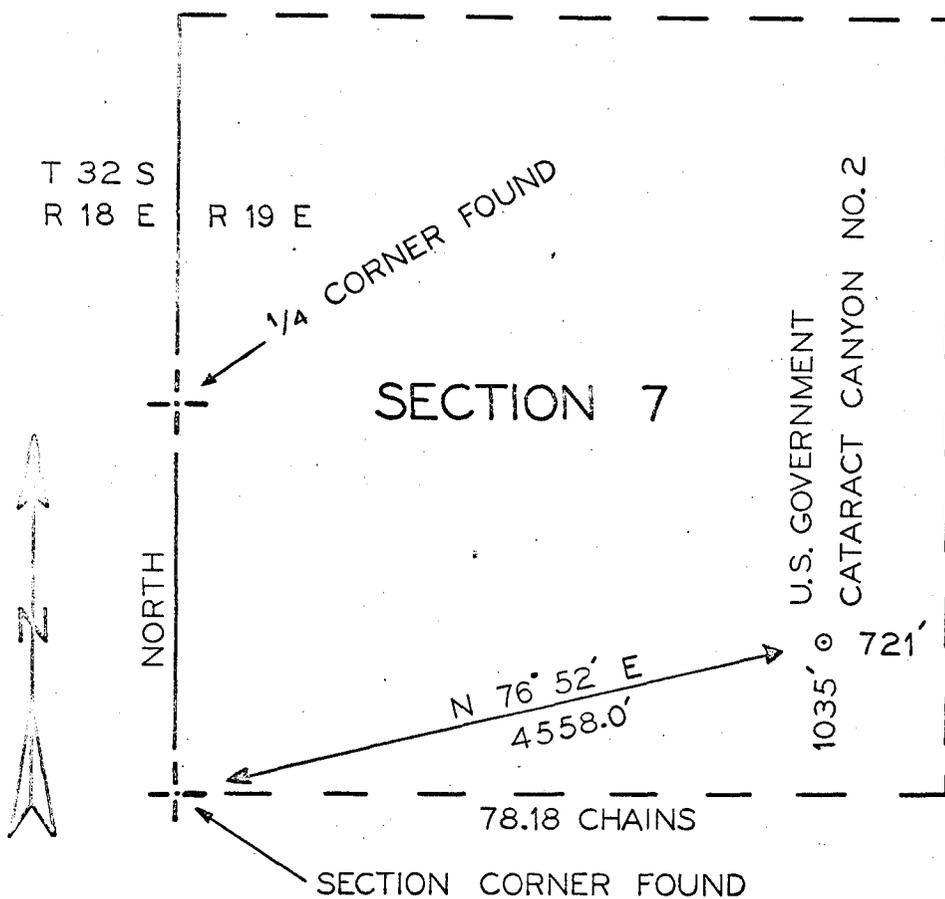
U. S. Government Oil and Gas Lease No. Utah 4071

OCCIDENTAL PETROLEUM CORPORATION  
824 Patterson Building  
Denver, Colorado

Well Location - Cataract Canyon Number 2

1,035 feet from the South line and 721 feet from the East line of  
unsurveyed Section 7, T. 32 S., R. 19 E., S.L.M., in San Juan County,  
Utah.

Ground Elevation at Well - 6636 feet



SURVEYOR'S CERTIFICATE,

I, Donald V. Blake, a registered professional land surveyor licensed to practice in the State of Utah, do solemnly swear that the survey represented by this plat was performed by me on 6/26/68 and is true and correct to the best of my knowledge and belief.

*Donald V. Blake*  
Utah License No. 2759

July 1, 1968

Occidental Petroleum Corporation  
824 Patterson Building  
Denver, Colorado 80202

Re: Cataract Canyon Govern-  
ment #2, Sec. 7, T. 32 S.,  
R. 19 E., San Juan County,  
Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted. However, this approval is conditional upon a surveyor's plat being furnished this office in accordance with Rule C-4(a), General Rules and Regulations and Rules of Practice and Procedure, State of Utah Division of Oil and Gas Conservation.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify Paul W. Burchell, Chief Petroleum Engineer, Home: 277-2890, Office: 328-5771 - Salt Lake City, Utah.

This approval terminates within 90 days if the well has not been spudded-in within said period.

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

Occidental Petroleum Corporation

July 1, 1968

-2-

The API number assigned to this well is 43-037-3001<sup>5</sup> (see Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sc

cc: U. S. Geological Survey  
Jerry Long, District Engineer  
Box 1809  
Durango, Colorado

EXECUTIVE OFFICES:  
LOS ANGELES, CALIFORNIA

BUSINESS AND ADMINISTRATIVE OFFICES:  
5000 STOCKDALE HIGHWAY  
BAKERSFIELD, CALIFORNIA

# OCCIDENTAL PETROLEUM CORPORATION

ROCKY MOUNTAIN DIVISION  
824 PATTERSON BUILDING  
DENVER, COLORADO 80202

AREA CODE 303  
PHONE 235-3129

July 11, 1968

Mr. Jerry W. Long, District Engineer  
U. S. Geological Survey  
Branch of Oil and Gas Operations  
Post Office Box 1809  
Durango, Colorado 81302

Re: #2 Cataract Canyon Gov't  
San Juan County, Utah

Dear Mr. Long:

Enclosed are three copies of Form 9-331, Report of daily drilling operations, covering the captioned well.

The Survey Plat for the #2 Cataract Canyon, and the final prints of the electric logs for the #1 Cataract Canyon will be sent to you as soon as we receive them.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION

*RAP*

Russell A. Pomeroy  
Manager of Operations

RAP:cr

Enclosures

cc w/enclosures:

Utah Oil and Gas Conservation Commission  
348 East South Temple  
Salt Lake City, Utah

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THIS MANNER\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah-4071

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

.

7. UNIT AGREEMENT NAME

.

8. FARM OR LEASE NAME

.

9. WELL NO.

#2 Cataract Canyon Govt

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

SE SE 7-32S-19E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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  
OCCIDENTAL PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR  
824 Patterson Building Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
SE SE SEC 7-32S, 19E San Juan County, Utah  
35 miles of NW of Blanding, Utah

14. PERMIT NO.

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

6636' GR

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)

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

Report of Daily Drilling

(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.)\*

See Attached

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

SIGNED Russell A. Pomaroy TITLE Manager

DATE 7-11-68

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

EXECUTIVE OFFICES:  
LOS ANGELES, CALIFORNIA

BUSINESS AND ADMINISTRATIVE OFFICES:  
5000 STOCKDALE HIGHWAY  
BAKERSFIELD, CALIFORNIA

# OCCIDENTAL PETROLEUM CORPORATION

ROCKY MOUNTAIN DIVISION  
824 PATTERSON BUILDING  
DENVER, COLORADO 80202

AREA CODE 303  
PHONE 286-3129

July 12, 1968

Mr. Jerry W. Long, District Engineer  
U. S. Geological Survey  
Branch of Oil and Gas Operations  
Post Office Box 1809  
Durango, Colorado 81302

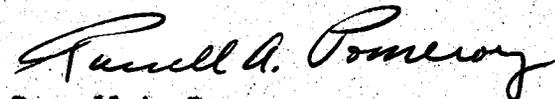
Re: #2 Cataract Canyon Gov't  
San Juan County, Utah

Dear Mr. Long:

Enclosed are three copies of Form 9-331, (C), Amended Report  
for Application for Permit to Drill, and two copies of the Survey Plat  
covering the captioned well.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION



Russell A. Pomeroy  
Manager of Operations

RAP:cr

Enclosures

✓ cc w/enclosures:

Utah Oil and Gas Conservation Commission  
348 East South Temple  
Salt Lake City, Utah

UNITED STATES  
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

AMENDED

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  
**OCCIDENTAL PETROLEUM CORPORATION**

3. ADDRESS OF OPERATOR  
**824 Patterson Building, Denver, Colorado 80202**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
**1,035' FSL, 721' FEL Sec. 7-32S-19E, San Juan County, Utah**  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**35 miles NW of Blanding, Utah**

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

16. NO. OF ACRES IN LEASE  
**1874**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
**2350**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6636' GR**

22. APPROX. DATE WORK WILL START\*  
**7/1/68**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12"	10-3/4"	32.75	200+	sufficient to circulate to surface
7-7/8"				

AMENDED REPORT

Drill hole for approximately 200' of 10-3/4" surface casing and cement same. Install air drilling BOPE and test to 500 psi. Air drill 7-7/8" hole to approximate Total Depth of 2300' to test the Desert Creek zone of the Hermosa formation. 5 1/2" production casing will be run if production is encountered.

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 Russell A. Pomeroy TITLE Manager DATE 7/12/68  
Russell A. Pomeroy  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

#2 CATARACT CANYON GOV'T  
721' FEL, 1035' FS  
SEC. 7-32S-19E (SE SE)  
SAN JUAN COUNTY, UTAH

HOME SPRINGS PROSPECT 67 ELEVATION: 6636' gl  
(Distance from #1 Cataract Canyon:  
1425' West, 320' North)

7/1/68 Spudded at 12:15 p.m.

7/2/68 Drill Depth 130'

7/3/68 Drill Depth 230'  
Dev: 130'-1° 200'-1°  
Drilled 13 3/4" hole to 230' attempted to run 10 3/4" surface  
csg., got to 165' on first attempt, to 184' on second. Will  
put stablizer on csg and attempt to run again. Surface casing set at  
234' KB w/150 sx cement; 100 sx w/4% gel, 50 sx Class A Neet, all treated  
w/2% CaCl.

7/5/68 Drill Depth 344'

7/6/68 Drilling at 570'

7/7/68 Drilling at 810'

7/8/68 Drill Depth 1146'  
Had water sand from 280-90 Lost circ. from 860-900  
Dev: 950' - 1 1/4°

7/9/68 Drill Depth 1358'  
1150-70 L. white-cream w/orange chart at bottom  
1170-1200 liltstone browned red  
1200-50 Ls. white, oolitic  
1250-70 No sample  
1270-90 Ls. white & dk gray, sugary w/brown oolites  
1290-1330 No returns  
1330-50 Ls. dk gray sugary w/brown oolites

7/10/68 Drill Depth 1650'  
Dev; 1375 - 1 1/2°  
Prep to core

7/11/68 Drill Depth 1699'  
Core #1 1650-58' Limestone, light gray, dolomitic, streaked w/vug  
porosity at 1654', streaked siltstone.  
Core #2 1658-73' Siltstone, light gray-dark gray w/beds of light  
gray limestone.  
Core #3 1682-99' 12 1/2' dark gray to black, very fine siltstone  
and shale. 3' dense gray limestone.

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.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

5. LEASE DESIGNATION AND SERIAL NO.

Utah-4071

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

#2 Cataract Canyon Gov't

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

SE SE Sec. 7-32S-19E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

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

OCCIDENTAL PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

8 24 Patterson Building, Denver, Colorado 80202

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

At surface 1035'FSL, 721'FEL, Sec. 7-32S-19E

At top prod. interval reported below

At total depth

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUNDED 7/1/68 16. DATE T.D. REACHED 7/18/68 17. DATE COMPL. (Ready to prod.) drilled & abandoned 18. ELEVATIONS (DF, REB, BT, GR, ETC.)\* 6636' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3162' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* Drilled and Abandoned 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN IES-Gamma Ray 27. WAS WELL CORED Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	32	234	13-3/4"	150 sx w/2% CaCl and 4% gel in first 100 sx.	-

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Interval	Size	Depth Interval (MD)	Amount and Kind of Material Used
1850-1673	100 sx		
1000- 880	70 sx		
270- 145	70 sx		
20-surface	10 sx		

33.\* PRODUCTION  
DATE FIRST PRODUCTION drilled & abandoned PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

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 Russell A. Pomeroy TITLE Manager DATE July 22, 1968

\*(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.)

**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

FORMATION	TOP		DESCRIPTION, CONTENTS, ETC.	BOTTOM		NAME	GEOLOGIC MARKERS	
	TOP	BOTTOM		TOP	BOTTOM		MEAS. DEPTH	TRUE VERT. DEPTH
Pennsylvanian	Core #1	1650	1658	limestone, light gray, dolomitic, streaked w/vug porosity at 1654', streaked siltstone.	1658	Cedar Mesa	0 - 440	
	Core #2	1658	1673	light gray limestone.	1673	Rico	440	
	Core #3	1682	1699	12½' dark gray to black, very fine siltstone and shale.	1699	Up. Hermosa	1035	
	Core #4	1699	1705	3' dense gray limestone.	1705	Desert Creek	1802	
	Core #5	1705	1714	siltstone, lt. gray, calcareous.	1714	Paradox	1890	
	Core #6	1729	1755	same as Core #4.	1755	L. Hermosa (?)	2832	
	Core #7	1755	1771	3' siltstone, gray, calcareous; 23' anhydrite, gray, dense w/siltstone partings.	1771			
	Core #8	1846	1878	anhydrite, siltstone, dolomitic, silty.	1878			
	Core #9	1883	1898	dolomite, anhydrite, limestone, blk shale.	1898			
	Core #10	1898	1905	shale, dk gray, siltstone, limestone and dolomite.	1905			
	Core #11	1905	1945	shale, black, limestone algal w/some porosity and scat oil stain.	1945			
	Core #12	1945	1960	limestone w/small vugs, bleeding oil; anhydrite w/dolomitic streaks; siltstone, gray, dolomite w/streaks of anhydrite; siltstone and shale.	1960			

**w/anhydrite streaks and inclusions.**

JUL 23 1968

EXECUTIVE OFFICES:  
LOS ANGELES, CALIFORNIA

BUSINESS AND ADMINISTRATIVE OFFICES:  
5000 STOCKDALE HIGHWAY  
BAKERSFIELD, CALIFORNIA

# OCCIDENTAL PETROLEUM CORPORATION

ROCKY MOUNTAIN DIVISION  
824 PATTERSON BUILDING  
DENVER, COLORADO 80202

AREA CODE 303  
PHONE 333-3129

July 22, 1968

Mr. Jerry W. Long, District Engineer  
U. S. Geological Survey  
Branch of Oil and Gas Operations  
Post Office Box 1809  
Durango, Colorado 81302

Re: #2 Cataract Canyon Gov't  
San Juan County, Utah

Dear Mr. Long:

Enclosed are three copies of the Notice of Intention to Abandon, and two copies of the Well Completion Report covering the captioned well. Two copies of the IHS-Gamma Ray log will be sent to you as soon as we receive the final prints.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION

*Russell A. Pomeroy*

Russell A. Pomeroy  
Manager of Operations

RAP:cr

Enclosures

cc w/enclosures: ✓

Utah Oil and Gas Conservation Commission  
348 East South Temple  
Salt Lake City, Utah

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

**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 type="checkbox"/> OTHER <b>Dry Hole</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>Utah - 4071</b>
2. NAME OF OPERATOR <b>OCCIDENTAL PETROLEUM CORPORATION</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
3. ADDRESS OF OPERATOR <b>824 Patterson Building, Denver, Colorado 80202</b>		7. UNIT AGREEMENT NAME -
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1035'FSL, 721'FEL, Sec. 7-32S-19E San Juan County, Utah</b>		8. FARM OR LEASE NAME -
14. PERMIT NO.		9. WELL NO. <b>#2 Cataract Canyon Gov't</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>6636' GR</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildecat</b>
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SE SE Sec. 7-32S-19E</b>
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.)*		12. COUNTY OR PARISH <b>San Juan</b>
		13. STATE <b>Utah</b>

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(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.)\*

Well plugged and abandoned July 20, 1968. Plugs set as follows:

1. 1850-1673 w/100 sx
2. 1000- 880 w/ 70 sx
3. 270- 145 w/ 70 sx
4. 20-surface w/10 sx

Verbal permission to plug and abandon this location was received from Jerry W. Long, District Engineer, U.S.G.S., on July 18, 1968.

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

SIGNED

*Russell A. Pomeroy*  
**Russell A. Pomeroy**

TITLE

**Manager**

DATE **July 22, 1968**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: