

FILE NOTATIONS

Entered in NID File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief *DWB*
Approval Letter *1-29-69*
Disapproval Letter ✓

COMPLETION DATA:

Date Well Completed *4-30-69*

Location Inspected

OW..... WW..... TA.....

Bond released

GW..... OS..... PA..... ✓

State or Fee Land

LOGS FILED

Driller's Log *5-13-69*

Electric Logs (No.) *2*

E..... I..... Dual I Lat..... ✓ GR-N..... Micro.....

BHC Sonic GR..... ✓ Lat..... Sonic.....

CBLog..... CCLog..... Others.....

OCCIDENTAL PETROLEUM CORPORATION

INTERIOR BASINS DIVISION



902 PATTERSON BUILDING
DENVER, COLORADO 80202

TELEPHONE (303) 292-9152
TWX (910) 938-0758

January 27, 1969

Re: No. 1 Government Goodwin
San Juan County, Utah

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

Dear Mr. Long:

Enclosed are three copies of Application for Permit to Drill and three copies of the Location Plat for the subject well. This test will be drilled under our Nationwide Oil and Gas Lease Bond #23-63-76, issued by Phoenix Assurance Company of New York as surety.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION

A handwritten signature in cursive script, appearing to read 'Russell A. Pomeroy'.

Russell A. Pomeroy
Manager of Operations
Interior Basins Division

RAP:er
Enclosures

cc: Utah Oil & Gas Conservation Commission
348 East South Temple
Salt Lake City, Utah
(2 copies of each enclosure attached)

Mr. James C. Goodwin
15200 West 26th Avenue
Golden, Colorado 80401
(1 copy of each enclosure attached)

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
OCCIDENTAL PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
902 Patterson Bldg., Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
1980' FSL, 780' FWL, Sec. 14-37S-23E, San Juan County, Utah
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
7 miles southeast of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)
780'

16. NO. OF ACRES IN LEASE
800

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

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

19. PROPOSED DEPTH
6400'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5832' GR before grading

22. APPROX. DATE WORK WILL START*
March 1, 1969

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	32.75	400	sufficient to circulate to surface
8-3/4"				

Drill 15" hole to approximately 400' and set 10-3/4" surface casing, and drill an 8-3/4" hole from base of surface casing to approximately 6400' total depth. The Ismay and Desert Creek zones of the Paradox formation are the principle objectives. If commercial production is encountered, 5 1/2" production casing will be set.

43-037-30036

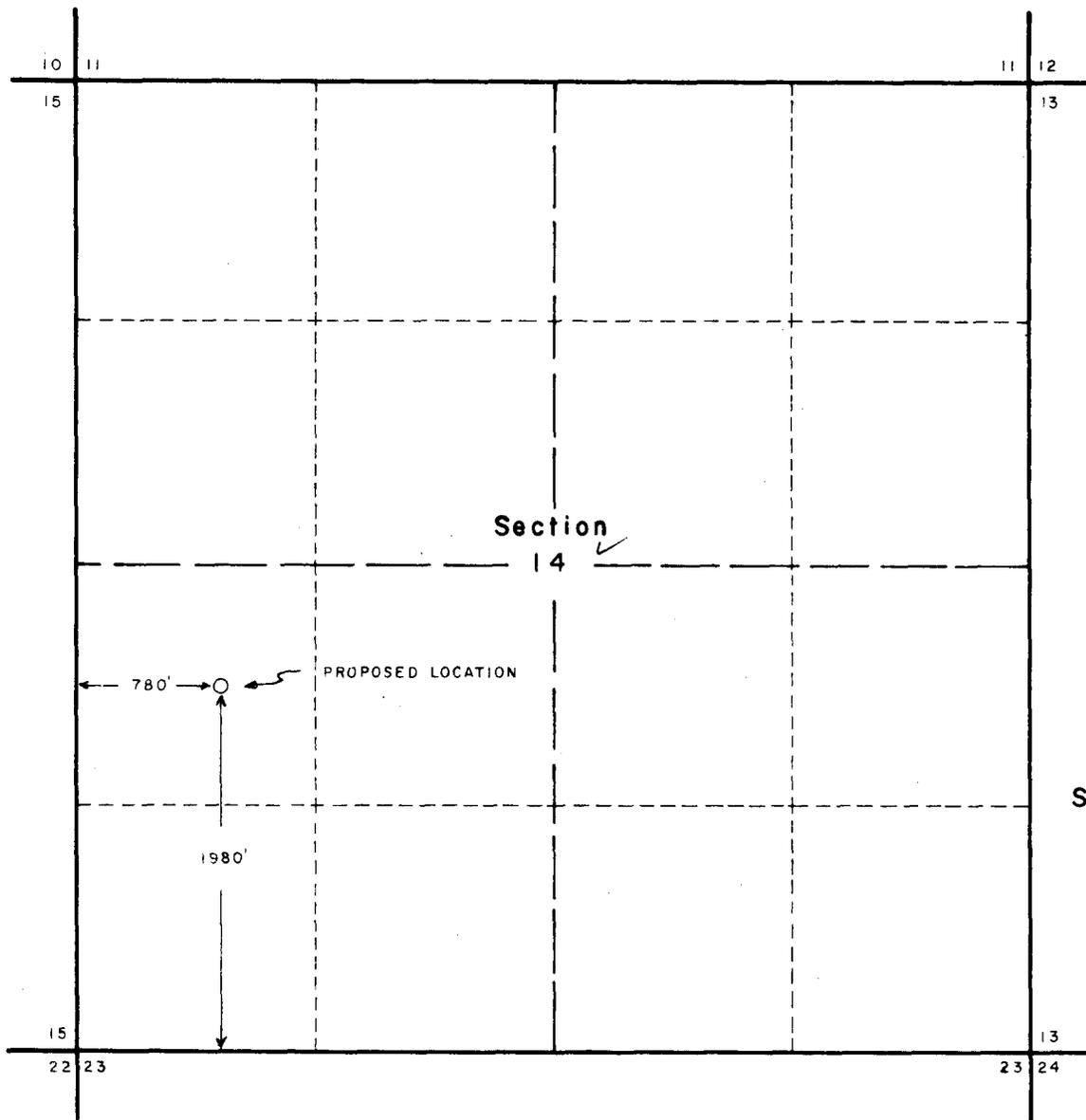
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. SIGNED Russell A. Pomeroy TITLE Manager DATE January 27, 1969

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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



WELL LOCATION: Occidental Petroleum No.1 Government Goodwin

Located 1980 feet North of the South line and 780 feet East of the West line of Section 14
 Township 37 South, ✓ Range 23 East, ✓ Salt Lake Base & Meridian
 San Juan County, Utah.
 Existing ground elevation determined at 5832 feet based on adjoining locations.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
 Registered Land Surveyor
 Utah No. 2689



OCCIDENTAL PETROLEUM CORP. Denver, Colorado	
WELL LOCATION PLAT Sec. 14, T. 37 S., R. 23 E. San Juan Co., Utah	
CLARK-REED & ASSOC. Durango, Colorado	DATE: Jan. 24, 1969 FILE NO: 69007

January 29, 1969

Occidental Petroleum Corporation
902 Patterson Building
Denver, Colorado 80202

Re: Well No. Government-Goodwin #1
Sec. 14, T. 37 S, R. 23 E,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted.

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

PAUL W. BURCHELL, Chief Petroleum Engineer
HOME: 277-2890, Salt Lake City
OFFICE: 328-5771

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.

January 29, 1969

The API number assigned to this well is 43-037-30036 (See Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FREIGHT
DIRECTOR

CBF:sd

Enclosures: Form OGC-8-X

cc: U.S. Geological Survey
Jerry Long, Dist. Engineer
Box 1809
Durango, Colorado 81301

OCCIDENTAL PETROLEUM CORPORATION

INTERIOR BASINS DIVISION



902 PATTERSON BUILDING
DENVER, COLORADO 80202

TELEPHONE (303) 292-9152

TWX (910) 938-0758

April 9, 1969

Re: No. 1 Government Goodwin
Sec. 14-37S-23E
San Juan County, Utah

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

Dear Mr. Long:

The contract for the drilling of the No. 1 Government Goodwin has been let to Mesa Drillers of Lubbock, Texas. Contractor is now moving in rotary equipment.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION

Russell A. Pomeroy
Manager of Operations
Interior Basins Division

BAP:cr

cc: Mr. Paul W. Burchell, Chief Petroleum Engineer
State of Utah
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

PI 1/1

OCCIDENTAL PETROLEUM CORPORATION

INTERIOR BASINS DIVISION

902 PATTERSON BUILDING
DENVER, COLORADO 80202



TELEPHONE (303) 292-9152

TWX (910) 938-0758

April 30, 1969

Re: No. 1 Government Goodwin
San Juan County, Utah

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

Dear Mr. Long:

Enclosed is a xerox copy of the daily drilling reports for the captioned well. Please accept my apology for any inconvenience caused by this delay. In the future a report of the daily drilling operations will be mailed to you each Friday.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION

Russell A. Pomeroy
Russell A. Pomeroy
Manager of Operations
Interior Basins Division

RAP:cr

Enclosures

cc: State of Utah
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Attn: Mr. Paul W. Burchell
Chief Petroleum Engineer

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

Page No. 1

CORE ANALYSIS RESULTS

Company Occidental Petroleum Corporation Formation Ismay File RP-3-2318
Well # 1 Gov't- Goodwin Core Type Dia. Conv. 4" Date Report 4-29-69
Field Wildcat Drilling Fluid Chem-Gel Analysts Mohl
County San Juan State Utah Elev. 5843 DF Location NW SW Sec 14-T 37S- R 23E

Lithological Abbreviations

SAND-SD SHALE-SH LIME-LM DOLOMITE-DOL
CHERT-CH GYPSUM-GYP ANHYDRITE-ANHY
CONGLOMERATE-CONG FOSSILIFEROUS-FOSS SANDY-SOY
SHALY-SHY LIMY-LMY FINE-FN
MEDIUM-MED COARSE-CSE CRYSTALLINE-XLN
GRAIN-GRN GRANULAR-GRNL SHOWN-BRN
GRAY-GY VUGGY-VGY FRACTURED-FRAC
LAMINATION-LAM STYLOLITIC-STY SLIGHTLY-SL/
VERY-V/
WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs K _A	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
1	6168-69	0.01	1.0	0.0	20.0	Dolo, gry, suc, anhy
2	6169-70	0.01	7.5	16.0	69.3	Dolo, gry, den-suc
3	6170-71	< 0.01	8.2	8.5	75.6	Dolo, gry, den-suc
4	6171-72	0.35	14.0	5.0	64.3	Dolo, gry, den-suc
5	6172-73	0.07	8.1	6.2	51.9	Dolo, gry, fnly suc
6	6173-74	< 0.01	4.0	17.5	32.5	Dolo, gry, fnly suc, calc
7	6174-75	0.17	12.8	10.9	33.6	Dolo, gry, fnly suc, calc
8	6175-76	0.07	12.3	4.1	50.4	Dolo, gry, fnly suc, calc
9	6176-77	0.02	11.6	6.0	52.6	Dolo, gry, fnly suc
10	6177-78	< 0.01	10.3	4.9	73.7	Dolo, gry, fnly suc
11	6178-79	< 0.01	1.6	12.5	56.2	Ls, blk, suc, dolo
12	6179-80	< 0.01	8.7	8.0	73.5	Dolo, blk, suc, carb
13	6180-81	< 0.01	7.7	9.1	75.4	Dolo, gry, suc, carb
14	6181-82	0.11	14.3	3.5	42.6	Dolo, gry, suc
15	6182-83	0.22	16.3	1.2	49.0	Dolo, gry, suc
16	6183-84	0.14	13.5	0.0	50.4	Dolo, gry, suc, anhy
17	6184-85	< 0.01	3.9	0.0	43.6	Ls, gry, suc, anhy
18	6185-86	0.01	4.8	0.0	39.6	Ls, gry, suc, anhy
19	6186-87	0.01	2.2	0.0	40.8	Ls, gry, suc, anhy
20	6187-88	0.55	10.9	16.5	22.0	Dolo, gry, suc, calc, anhy
21	6188-89	0.23	8.9	24.7	23.6	Dolo, gry, suc, calc, anhy
22	6189-90	0.47	11.9	14.3	29.4	Dolo, gry, suc, calc, anhy
23	6190-91	0.15	13.2	10.6	20.4	Dolo, gry, suc
24	6191-92	< 0.01	3.1	0.0	74.2	Ls, gry, suc, dolo
25	6192-93	< 0.01	2.0	0.0	55.0	Ls, gry, suc, dolo
26	6193-94	< 0.01	1.5	0.0	60.0	Ls, gry, suc, dolo
27	6194-95	< 0.01	1.3	0.0	53.9	Ls, gry, suc, dolo
28	6195-96	< 0.01	1.8	0.0	72.2	Ls, gry, suc, dolo
29	6196-97	< 0.01	1.9	0.0	68.4	Ls, gry, suc, dolo
30	6197-98	< 0.01	1.7	0.0	64.7	Ls, gry, suc, dolo
31	6198-99	< 0.01	1.0	0.0	40.0	Ls, gry, suc, dolo
32	6199-00	< 0.01	1.5	46.6	26.6	Ls, gry, suc, dolo
33	6200-01	< 0.01	4.0	32.5	52.4	Dolo, gry, den-suc, calc, shly

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

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

UTAH-4544

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.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

-

7. UNIT AGREEMENT NAME

-

8. FARM OR LEASE NAME

Government-Goodwin

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

**Sec. 14-37E-23E
Salt Lake Base & Meridian**

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
OCCIDENTAL PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
902 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
1980'FSL, 780'FWL, Sec. 14-37E-23E, San Juan County, Utah

14. PERMIT NO.

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

3832' GR before grading

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

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. Pomroy
Russell A. Pomroy

TITLE

Manager

DATE

April 30, 1969

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OPC NO. 1 GOVERNMENT GOODWIN
1980' FNL, 780' FWL
SECTION -14-37S-23E
San Juan County, Utah

Alkali Canyon Prospect

Elevation: 5840 GR
5832 GL

Contractor: Mesa Driller

- 4-11-69 Spudded at 9:00 AM
- 4-12-69 Drilled to 425'. Ran 12 jts (387' total) 10 3/4" 32.75 eb surface
csg set at 402' KB with 300 saxs regular cement plus 2% calcium
chloride. Plug down at 6:00 AM 4-12-69
- 4-13-69 Drilling at 900'
- 4-14-69 Drill Depth 2352'
Mud 8.9
Visc. 31
Dev: 90- $\frac{1}{2}$ °
200- $\frac{1}{4}$ °
390- $\frac{1}{2}$ °
955-3/4°
1923- $\frac{1}{4}$ °
- 4-15-69 Drill Depth 3010'
Mud Wt. 8.9
Visc. 31
Dev: 2469'- $\frac{1}{4}$ °
2940'- $\frac{1}{2}$ °
- 4-16-69 Drill Depth 3424'
Mud Wt. 8.8
Visc. 31
3119'- $\frac{1}{2}$ °
- 4-17-69 Drill Depth 3930'
Mud Wt. 8.9
Visc. 31
Dev: 3650- $\frac{1}{2}$ °
- 4-18-69 Drill Depth 4347'
Dev: 4160'-3/4°
Mud Wt. 8.8
Visc. 31
- 4-19-69 Drill Depth 4573'
Dev: 4547'-3/4°
8.9 Mud Wt.
31 Visc.
- 4-20-69 Drill Depth 4934'
Mud Wt. 9.0
Visc. 32
- 4-21-69 Drill Depth 5260'

OPC NO. 1 GOVERNMENT GOODWIN
1980' FNL, 780' FWL
Section 14-37S-23E
San Juan County, Utah

Alkali Canyon Prospect

Elevation: 5840 GR
5832 GL

Contractor: Mesa Drilling

4-22-69 Drill Depth 5355'
Mud Wt. 8.9
Visc. 41
pH 10

Sal 350 ppm NaCl

DST 5320-55, open 5 min, shut in 1 hr, open 2 hrs, final shut-in 1 hr.
Very weak air blow throughout test. Recovered 250 ft drilling mud
no shows, no water. Pressures:

IHP 2522
ISIP 646
IFP/FFP 135-162
FSIP 350
FHP 2522

No evidence of plugging on charts. Good test.
Tested 11 foot drilling break, 5 min/ft to 1 min/ft to 4 min/ft with
offscale gas on mud log--Still drilling with water before test cuttings
returns mostly cavings. By correlation, drilling break should be in
sandstone 300 feet below top Hermosa.

4-23-69 Drill Depth 5489'
Mud Wt. 8.9
Visc. 34
W.L. 12
pH 10
Drilling in lime and shale

4-24-69 Drill Depth 5655'
Drilling in lime and shale
Mud Wt. 9.1
Visc 41
W.L. 8
Mud log carrying no background gas, cuttings now excellent. On trip
after DST had trip gas and re-cycle, all methane. Limestone is all
light gray, dense, no porosity, no evidence of fractures.

4-25-69 DST #2 pressures:
IHP 2732 FHP 2732
IFP 46 FFP 46
ISIP 61 FSIP 69
Recovered 30' Mud, no shows
Mud logger carrying 5 units background gas
Should reach coring point on this bit
Mud Wt. 9.1
Visc 36
W.L. 8.2
More DST #2 information:
5716-46, open 5 min, shut in 1 hr, open 1 hr, final shut in 1 hr, weak
blow, died in 5 min, pulling tester. Fluid recovery later. Tested oil
show 80 units mud gas, 50 units cuttings, black argillaceous limestone
with oil shows on fracture faces.

4-26-69 No Report

OPC NO. 1 GOVERNMENT GOODWIN
1980' FNL, 780' FWL
Section 14-37S-23E
San Juan County, Utah

Alkali Canyon Prospect Elevation: 5840 GR
5832 GL

Contractor: Mesa Drilling

4-27-69 No Report

4-28-69 Drill Depth 6136'

Mud Wt. 9.2

Visc. 45

W.L. 7.8

pH 11.4

Top Ismay zone reported at 6060 (-218) now drilling at 6136, plan to begin coring at about 6160 or near top of chalky dolomite perforated in Conoco Alkali Canyon #1, 1320 feet west, or slightly higher if drilling break and shows are encountered.

4-29-69 Drill Depth 6210'

Mud Wt. 9.0

Vis 42

W.L. 9.8

Structural position appears to be within 5 feet of Conoco Alkali Canyon #1. Core #1 6160-6210 recovered 50'. Preliminary core description:

6160-6168.5 anhydrite

68.5-69 black shale

69-82.5 dolomite, brown to black, earthy, shaly, no porosity, no fractures, no staining, sli. gas bleeding

82.5-90.5 dolomite, as above, with large inclusions anhydrite, no porosity no apparent stain.

6190.5-6201.5 dolomite, dark gray to black, earthy, numerous small anhydrite inclusions, no fracture no stain, sli gas bleeding

6201.5-6210 shale, black, carbonaceous (Lower Ismay shale)

During coring mud log recorded gas kicks with slight drilling breaks:

6175-78 12 units gas

6183-84 40 units gas

6190-93 70 units, high methane, ethane, about 1/3 propane.

4-30-69 Drill Depth 6327'

Mud Wt. 9.0

Visc. 44

W.L. 8.9

pH 11

Drilling ahead in shale and lime

M. PF

OCCIDENTAL PETROLEUM CORPORATION

INTERIOR BASINS DIVISION

902 PATTERSON BUILDING
DENVER, COLORADO 80202



TELEPHONE (303) 292-9152
TWX (910) 938-0758

May 2, 1969

Re: No. 1 Government Goodwin
San Juan County, Utah

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

Dear Mr. Long:

Enclosed are three copies of Form 9-331, Notice of Intention to Abandon, covering the subject well. The Subsequent Report of Abandonment, well Completion report, Logs, and Geological Report will be forwarded as soon as we have received the final prints of the logs.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION

Russell A. Pomeroy
Russell A. Pomeroy
Manager of Operations
Interior Basins Division

RAP:cr
Enclosures

cc: State of Utah
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Attn: Mr. Paul W. Burchell
Chief Petroleum Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

UTAH-4544

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 <input checked="" type="checkbox"/> Dry Hole		6. IF INDIAN ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR OCCIDENTAL PETROLEUM CORPORATION		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 902 Patterson Building, Denver, Colorado - 80202		8. FARM OR LEASE NAME Government-Goodwin
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		9. WELL NO. 1
10. FIELD AND POOL, OR WILDCAT Wildcat		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14-37S-23E Salt Lake Base & Meridian
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5832' GR before grading	12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

NOTICE OF INTENTION TO:		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"/> XX	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input 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.)*

Verbal permission to plug and abandon this location was given by Mr. Jerry Long U.S.G.S. District Engineer, to Mr. Harrell Budd on April 30, 1969. Plugs set as follows:

1. 6000 - 6100 w/35 sx
2. 5000 - 5100 w/35 sx
3. 2150 - 2250 w/35 sx
4. 1200 - 1300 w/35 sx
5. 50 foot plug at base of surface casing - 402'
6. To surface - 10 sx

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

SIGNED Russell A. Pomeroy TITLE Manager DATE May 2, 1969

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

Harrell Budd
Consulting Geologist
DENVER, COLORADO

GEOLOGICAL REPORT
OF
OCCIDENTAL PETROLEUM CORP.

Government Goodwin No. 1
Section 14, T37S, R23E
San Juan County, Utah

Prepared for
Occidental Petroleum Corp.
Denver, Colorado

by

Harrell Budd
Consulting Geologist
Denver, Colorado
May 2, 1969

Schnee

PS [Signature]

GEOLOGICAL REPORT
OF
OCCIDENTAL PETROLEUM CORP.
Government Goodwin No. 1
Section 14, T37S, R23E
San Juan County, Utah

Harrell Budd

Consulting Geologist

DENVER, COLORADO

GEOLOGICAL REPORT

OF

OCCIDENTAL PETROLEUM CORP.

Government Goodwin No. 1

Section 14, T37S, R23E

San Juan County, Utah

WELL DATA

Location

1980 feet from south line
780 feet from west line
Section 14, T 37 S, R 23 E
San Juan County, Utah

Elevation

5832' Ground
5844' Derrick Floor

Spud Date

April 11, 1969

Hole Size

13 3/4" from surface to 425'
7 7/8" from 425' to 6390'

Casing Program

10 3/4" set at 402' with 100 sacks of
regular cement

Cores

Core No. 1 6160' to 6210'. Rec. 49'
(See attached sample description for core
description)

Drill Stem Tests

DST No. 1 5320-5355

Time: Open 5 minutes, shut-in one hour, open
2 hours, shut-in one hour

Recovery: Very weak blow of air throughout
test. Recovered 2501 of mud. No shows.

Pressures

	<u>Top Chart</u>	<u>Bottom Chart</u>
Initial Hydrostatic	2474.5#	2522.8#
First open, initial flow	106.7	134.8
First open, final flow	106.7	134.8
Initial Closed-in pressure	612.7	646.1
Second open, initial flow	133.3	134.8
Second open, final flow	133.3	161.7
Final Closed-in Pressure	320.0	350.4
Final Hydrostatic pressure	2474.5	2522.8

DST No. 2 5716-5746

Time Open 5 minuts, shut-in 1 hour, open one hour, shut-in one hour.

Recovery Opened with weak blow of air. Died in 20 minutes. Recovered 30 feet of mud. No shows.

Pressures

	<u>Top Chart</u>	<u>Bottom Chart</u>
Initial Hydrostatic Pressure	2732.4#	2748.2#
First open, Initial flow "	45.7	45.9
First open, Final Flow "	45.7	45.9
Initial Closed-in "	60.5	91.7
Second open, initial flow "	45.7	45.9
Second open, final flow "	45.7	45.9
Final Closed-in "	68.5	91.7
Final Hydrostatic "	2732.4	2748.2

Total Depth

6390' Driller
6390' Schlumberger

Logs

Schlumberger Well Surveying Corp.
Dual Induction - laterlog from 402' to 6386'.
Borehold compensated Sonic Log-Gamma Ray 412' to 6381'.

Cement Plugs (as instructed by U. S. Geological Survey)

10 sacks at surface with dry hole marker
50 sacks at 400'
35 sacks from 1200' to '300'
35 sacks from 2150' to 2250'
35 sacks from 5000' to 5100'
35 sacks from 6000' to 6100'

Plug Date May 1, 1969

Contractor Mesa Drilling Co.
Farmington, New Mexico

STRATIGRAPHY

<u>Formation</u>	<u>Depth</u>
Jurassic	
Entrada	1058'
Navajo	1275'
Wingate	1955'
Triassic	
Chinle	2195'
Shinarump	2893'
Moenkopi	2960'
Permian	
Coconino	3121'
Organ Rock	3206'
Pennsylvanian	
Hermosa	5016'
Upper Ismay	6060'
Lower Ismay	6235'
Desert Creek	6318'
TD	6390'

DISCUSSION

The Occidental Petroleum Corporation Government Goodwin No. 1 was drilled as a wildcat oil and gas prospect in the central portion of the Paradox Basin in Southeastern Utah.

Rotary tools were used from surface to total depth. Conventional water based bentonitic drilling mud with chemical additives was used as a circulating medium. Rotary drill samples were taken in 10' intervals from 3000' to total depth. From surface to 5355' the drilling mud was low viscosity, almost

muddy water. Consequently, the samples from the surface to 5355' are predominantly cavings and of little value. The writer acted as a well-site geologist during the drilling of the hole from 5355' to total depth. Each sample was examined under a binocular microscope and fluorescent light. Each sample was briefly described with the writer's sample description as a supplement to this report.

OIL AND GAS SHOWS

An oil and gas mud logging unit was installed at 3000' and maintained throughout the remainder of the hole. Good gas shows were recorded in the intervals. 5350'-5355', 5740'-5745', 5810'-5820', 6050'-6060', 6230'-6235' and 6300'-6310'. All of these gas shows were encountered in the rich, black petroliferous shales of the Hermosa and Paradox formations. The first two gas shows were tested by means of DST No. 1 and No. 2 with negative results.

In addition, the lower portion of the upper Ismay member of the Paradox formation was cored. The complete core description is included in the sample description.

In essence, the Ismay was found to be predominantly anhydrite and dolomite. These dolomites were the principal objective of this test. The cores and core analyses demonstrated them to be thick, massive, microin, slightly argillaceous and sucrosic. The porosities varied over a wide range from a high of 16.3% to a low of 1.6% with an average of 6.8%. The permeability was consistently low averaging less than 0.10md. These dolomites also contained varying amounts of oil saturation with intersitial water.

Because of the low permeability and low porosity, it was obvious this zone could not produce commercial amounts of oil and gas.

Consequently the writer recommended abandonment of the hole without further testing.

Respectfully submitted,

Harrell Budd
Certified Petroleum Geologist
Certification No. 275

SAMPLE DESCRIPTION

OCCIDENTAL PETROLEUM CORP.

Government Goodwin No. 1
SW/4 Sec. 14, T37S, R23E
San Juan County, Utah

Hole was drilled with water from surface to 5355'.
Consequently the samples from 3000' to 5355' are
predominantly cavings and very poor in quality.

- 5300'-5350' 100% shale, variegated, predominantly red with minor amounts of pastel shades of green, brown and lavender, sandy, micaceous, with traces of green calcareous siltstone. Traces of anhydrite.
- Hole was mudded up at 5355'. Sample quality improved appreciably.
- 5350'-70' 25% Limestone, white to gray, chalky to sublithographic
25% sandstone, white, coarse grained, glassy, subangular
50% Shale, dark gray, hard, dense, calcareous.
- 5370'-80' 100% Shale, variegated, red, brown, green, probably cavings.
- 5380'-90' 35% Limestone, white, microxin to sublithographic, some chalky, sandy.
65% Shale, gray, calcareous, clayey
- 5390'-5400' 50% Limestone, as above
25% Siltstone, light gray, calcareous
25% Shale, gray, calc, as above
- 5400'-10' 100% Siltstone, light gray, sandy, micaceous, calcareous hard, dense, tight.
- 5410+20' 50% Silstone as above
50% Shale, gray, calc, silty
- 5420'-40' 75% Siltstone, gray, argillaceous, sandy, micaceous, calcareous
10% Limestone, light gray to white, chalky, sandy
15% Shale, dark, gray, calcareous

5440'-80'	75% Shale, gray, silty, calcareous 15% Siltstone as above 10% Limestone, as above
5480'-90'	25% Limestone, white to light gray, lithographic, dense, chalky, sandy 75% Shale, gray, calcareous, traces of pyritic siltstone.
5490'-5500'	25% Siltstone, light gray, sandy, micaceous, calcareous. 75% Shale, gray, sandy, calc.
5500'-30'	25% Limestone, white, chalky, sandy 75% Shale, gray, sandy, calcareous.
5530'-40'	25% Limestone, white to gray, chalky to sublithographic, sandy, dense, tight. 25% Siltstone, light gray, sandy, calcareous, micaceous, 50% Shale, gray calcareous.
5540'-50'	25% Limestone, white to light gray, chalky, sandy 75% Shale, gray to black, carbonaceous, sandy, calcareous
5550'-60'	25% Limestone, as above. 75% Shale, gray, sandy, calc.
5560'-70'	100% Shale, dark gray, silty, slight calc.
5570'-80'	100% Limestone, white to gray, chalky to lithographic, sandy, dense, traces of milky chert.
5580'-5610'	100% Shale, black, calcareous, carbonaceous (dolomitic?) micaceous, silty.
5610'-30'	100% Limestone, light gray, chalky, sandy, pelletoidal, oolitic, dark gray, sandy, argillaceous, lithographic. Trace of pyrite.
5630'-50'	75% Limestone as above 25% Siltstone, gray, sandy, micaceous, calcareous
5650'-60'	25% Siltstone, as above 25% Limestone, dark gray, silty, argillaceous, dense 50% Shale, gray, sandy, calc.

- 5660'-5670' 75% Siltstone, light gray, sandy, micaceous, calcareous
25% Limestone, gray, dense, sandy.
- 5670'-80' 100% Limestone, white, light gray, chalky, sandy abundant
milky chert.
- 5680'-90' 100% Limestone, white to gray, fragmental, oolitic,
pelletoidal, fossiliferous. No porosity. Traces of milky
chert.
- 5690'-5700' 100% Limestone, as above with traces of oomoldic porosity.
- 5700'-5710' 75% Shale, black, carbonaceous, sandy, argillaceous,
calcareous.
25% Limestone as above
- 5710'-30' 100% Dolomite, black to dark gray, microxln, carbonaceous,
micaceous, silty, slightly sucrosic
- 5730'-50' 25% Sandstone, gray, fine grained, pyritic, calcareous
25% Limestone, light to dark gray, sandy microxln, chalky
50% Dolomite, black, argillaceous, carbonaceous, sandy,
micaceous, as above
- 5750'-70' 100% Limestone, white gray, chalky, sandy, fragmental,
dark gray, argillaceous, lithographic, dolomitic. Traces
of milky chert.
- 5770'-90' 100% Limestone, dark gray, sandy, micaceous, argillaceous,
lithographic, dense, tight. Traces of milky chert.
- 5790'-5800' 100% shale, dark gray, sandy, micaceous, calcareous.
- 5800'-10' 100% Limestone, dark gray, microxln, sandy, micaceous,
sublithographic, hard, dense.
- 5810'-20' 100% Shale, dark gray to black, calcareous, carbonaceous,
micaceous, sandy.
- 5820'-30' 100% Limestone, light gray, lithographic, silty, hard, dense.
- 5830'-40' 100% Limestone, light gray, mottled dark, fragmental,
chalky, oolitic, pelletoidal, sparsely fossiliferous.
- 5840'-50' 100% Shale, dark gray to black, silty, mica, carbonaceous,
argillaceous, calcareous.

- 5850'-60' 50% Siltstone, light gray, sandy, calcareous
25% Limestone, gray, sandy,
25% Shale, gray, calcareous, traces of milky chert.
- 5860'-70' 100% Limestone, white to gray, sandy, chalky, fragmental
almost calcareous sandstone.
- 5870'-80' 100% Limestone, light to dark gray, argillaceous,
sublithographic, grading into white. Chalky sandy limestone.
- 5880'-90' 100% Shale, dark gray, silty, calcareous with traces of white,
chalky limestone.
- 5890'-5900' 100% Shale, dark gray to black, silty, calcareous,
slightly carbonaceous.
- 5900'-10' 50% Shale, as above
50% Limestone, light to dark gray, chalky, fragmental,
pelletoidal and oolitic. Traces of olive chert.
- 5910'-30' 100% Limestone, tan to olive, microxin to chalky, sandy,
fragmental, sparsely fossiliferous, pelletoidal, oolitic,
fractured.
- 5930'-50' 100% Shale, black, carbonaceous, calcareous
- 5950'-60' 50% Shale, as above
50% Limestone, gray to olive, lithographic, slightly
argillaceous, dense.
- 5960'-90' 100% Limestone, white, light gray, chalky, sandy,
fragmental, traces of olive chert.
- 5990'-6000' 100% Limestone, light gray to olive, microxin to sub-
lithographic, some white, chalky, sandy
- 6000'-10' 100% Limestone, tan to olive, fragmental, sparsely
pelletoidal and fossiliferous, sandy. Traces of olive chert.
- 6010'-30' 100% Limestone, gray to olive, sandy, fragmental. Traces
of olive chert.
- 6030'-60' 100% Shale, dark gray to black, carbonaceous, calcareous.
- 6060'-80' 75% Shale, gray to black, carbonaceous, calcareous
25% Dolomite, gray, argillaceous, sandy. Traces of anhydrite.

6080'-90'	100% Anhydrite, white, microxln
6090'-6110'	50% Anhydrite, 50% Siltstone, light gray, argillaceous, dolomitic.
6110'-40'	75% Siltstone, gray, argillaceous, calcareous 25% Anhydrite, white microxln with black shale inclusions
6140'-60'	100% Anhydrite, as above
	Core #1 6160' - 6210' - Recovered 49'
6160'-6168.5'	Anhydrite, light gray, mottled, microxln, massive.
6168.5'-6169	Shale, black, carbonaceous, dolomitic
6169'-70'	Dolomite, gray to gray, brown, argillaceous, slightly earthy, very fine sucrosic, faint gas odor, slight gas bleed, spotty oil staining, hard, dense, massive.
6170'-71'	Dolo, as above
6171'-72'	Dolo, as above
6172'-73'	Dolo, as above, a pelecypod casts and molds, sparsely fossiliferous
6173'-6174'	Dolo, as above
6174'-75'	Dolo, dark brown, argillaceous, hard, dense, massive v.f. sucrosic, w/few small scattered inclusions of xln anhydrite. Faint gas odor, slightly spotty oil stain.
6175'-76'	Dolo, dark brown, massive, hard, dense, tight, argillaceous, slt sucrosic, w/very few thin irregular hairline laminations of carbonaceous material.
6176'-77'	Dolo, as above, w/few small scattered indistinct replaced fossil frag. (Ivanovia?)
6177'-78'	Dolo, as above
6178'-79'	Dolo, as above
6179'-80'	Dolo, as above w/irregular carbonaceous filled stylolite.

6180'-81'	Dolo, as above
6181'-82'	Dolo, dark brown, massive, hard, dense, tight, slightly sucrosic, with large irregular carbonaceous filled styolite, no shows.
6182'-84'	Dolo, light gray, calcareous, hard, dense, massive. Slightly earthy, slightly sucrosic, no fossil assemblages
6184'-88'	Dolo, as above with large inclusions of gray anhydrite suggestions of few scattered Ivanovia blades.
6188'-90'	Dolo, as above with spotty oil stain in center 6"
6190'-91'	Dolo, gray, hard, dense, massive, tight, v.f. sucrosic, with few apparently anhydrite filled molds of Ivonovia, few thin irregular carb. laminations. Good gas odor, no staining.
6191'-95'	Dolomite, gray to brown, hard, dense, massive, very finely sucrosic, slightly argillaceous, slightly carbonaceous with few irregular hairline laminations of carbonaceous material. No porosity, faint gas odor, no oil staining, no fossil assemblages. Small scattered rounded anhydrite inclusions (replaced Crinoic stems?)
6195'-6201'	Dolo, dark brown, calcareous, hard, dense, massive, slightly argillaceous and very fine sucrosic, contains numerous small anhydrite inclusions suggestive of fossil mold replacements, crinoid stems, Ivanovia blades, however, these are not abundant but small and scattered. Gas odor, no oil staining.
6201'-09'	Shale, black, carbonaceous, silty, slightly calcareous.
6209'-10'	No recovery
	Top of shale bed between upper and lower Ismay at 6201'
6210'-30'	100% Shale, black, carbonaceous.
6230'-50'	100% Dolomite, light gray, microxln, very finely sucrosic, argillaceous. no shows.
6250'-70'	100% Dolomite, as above

- 6270'-90' 100% Dolomite, dark brown, argillaceous, microxln, very finely sucrosic. No apparent oil stain. No gas kick.
- 6290'-6310' 100% Shale, black, carbonaceous, silty, calcareous.
- 6310'-20' 100% Shale, as above
- 6320'-40' 50% Dolomite, gray, slightly argillaceous, very finely crystalline, slightly sucrosic.
40% Shale, gray, calc.
10% Anhydrite.
- 6340'-60' 100% Dolomite, gray, argillaceous, very finely crystalline, slightly sucrosic.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

UTAH-4544

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.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Government-Goodwin

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 14-37S-23E

Salt Lake Base & Meridian

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1. OIL WELL GAS WELL OTHER Dry Hole

2. NAME OF OPERATOR
OCCIDENTAL PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
902 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
1980'FSL, 780'FWL, Sec. 14-37S-23E, San Juan County, Utah

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5832' GR before grading

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.)*

Verbal permission to plug and abandon this location was received from Mr. Jerry W. Long, U.S.G.S. District Engineer, on April 30, 1969. Plugs set as follows:

1. 6000 - 6100 w/35 sx
2. 5000 - 5100 w/35 sx
3. 2150 - 2250 w/35 sx
4. 1200 - 1300 w/35 sx
5. 50 foot plug at base of surface casing - 402'
6. To surface - 10 sx

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

SIGNED Russell A. Pomeroy TITLE Manager

DATE May 5, 1969

(This space for Federal or State office use)

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

OCCIDENTAL PETROLEUM CORPORATION

INTERIOR BASINS DIVISION



902 PATTERSON BUILDING
DENVER, COLORADO 80202

TELEPHONE (303) 292-9152

TWX (910) 938-0758

May 12, 1969

Re: No. 1 Government Goodwin
San Juan County, Utah

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

Dear Mr. Long:

Enclosed are two copies of the Well Completion Report, Geological Report, Dual Induction-Laterlog and Borehole Compensated Sonic-Gamma Ray logs, and three copies of the Subsequent Report of Abandonment covering the subject well.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION

A handwritten signature in cursive script that reads 'Russell A. Pomeroy'.

Russell A. Pomeroy
Manager of Operations
Interior Basins Division

RAP:cr

Enclosures

cc w/enclosures:

State of Utah
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Attn: Mr. Paul W. Burchell
Chief Petroleum Engineer

**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.

UTAH-4544

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Government-Goodwin

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 14-37S-23E

Salt Lake Base & Meridian

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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
902 Patterson Building, Denver, Colorado - 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **1980' FSL, 780' FWL, Sec. 14-37S-23E, San Juan County, Utah**
At top prod. interval reported below
At total depth

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUDED **4/11/69** 16. DATE T.D. REACHED **4/30/69** 17. DATE COMPL. (Ready to prod.) **D & A** 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* **5832' GRR; 5844' DF** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD _____ 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY ROTARY TOOLS **XX** CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* **D & A** 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **Dual Induction-Laterlog, Borehole Comp. Sonic-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"	32.75#	402'	13-3/4"	100 sx regular cement	-

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.

PLUGGING RECORD		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(1) 6000-6100 w/35 sx	(3) 2150-2250 w/35 sx		
(2) 5000-5100 w/35 sx	(4) 1200-1300 w/35 sx		
(5) 400 w/50 sx			
(6) 10 sx at surface w/dry hole marker			

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
D & A							
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS

Two copies each of logs run and geological report.

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 May 12, 1969

*(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

38. GEOLOGIC MARKERS

FORMATION	TOP		NAME	TOP	
	DEPTH	MEAS.		DEPTH	TRUE VERT. DEPTH
<p><u>See attached geological report.</u></p>			Entrada	1958'	
			Navajo	1275'	
			Wingate	1955'	
			Chinle	2195'	
			Shinarump	2893'	
			Moenkopi	2960'	
			Coconino	3121'	
			Organ Rock	3206'	
			Hermosa	5016'	
			Upper Ismay	6060'	
			Lower Ismay	6235'	
			Desert Creek	6313'	

APR 12 1959