

*This well started producing in Dec, 1962*

FILE NOTATIONS

Entered in NID File

✓

Checked by Chief

RDS

Entered On S R Sheet

\_\_\_\_\_

Copy NID to Field Office

\_\_\_\_\_

Location Map Pinned

✓

Approval Letter

In Unit

Card Indexed

✓

Disapproval Letter

\_\_\_\_\_

I W R for State or Fee Land

\_\_\_\_\_

COMPLETION DATA:

Date Well Completed 7-24-61

*drilling*

Location Inspected

\_\_\_\_\_

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

Bond released

\_\_\_\_\_

GW ✓ OS 2461 PA \_\_\_\_\_

State of Fee Land

\_\_\_\_\_

LOGS FILED

Driller's Log 12-4-61

Electric Logs (No. ) 6

E \_\_\_\_\_ I \_\_\_\_\_ E-I ✓ GR \_\_\_\_\_ GR-N ✓ Micro ✓

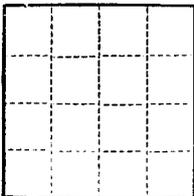
Lat ✓ Mi-L \_\_\_\_\_ Sonic ✓ Others Cement Bonding

Larkue took a Commit from English Oil but did not get up. Son drill  
this well so English Oil sent a notice to drill.

1-10-67 As of Oct. of 1961, English Oil Co. took over the submitting  
of the reports for this well and ask us to discard any  
reports we had from Southern Union after this above  
mentioned date.

1964 RE-ENTER + RECOMMEND

FILE NOTATIONS	
Entered in NID File	<input checked="" type="checkbox"/>
Entered On S R Sheet	<input type="checkbox"/>
Location Map Pinned	<input checked="" type="checkbox"/>
Card Indexed	<input checked="" type="checkbox"/>
I W R for State or Fee Land	<input type="checkbox"/>
Checked by Chief	<input checked="" type="checkbox"/> <i>PMB</i>
Copy NID to Field Office	<input checked="" type="checkbox"/>
Approval Letter	<input type="checkbox"/>
Disapproval Letter	<input type="checkbox"/>
COMPLETION DATA:	
Date Well Completed	<input type="checkbox"/>
Location Inspected	<input checked="" type="checkbox"/>
OW _____ WW _____ TA _____	Bond released
GW _____ OS _____ PA <input checked="" type="checkbox"/>	State of Fee Land
LOGS FILED	
Driller's Log	<input type="checkbox"/>
Electric Logs (No. )	<input type="checkbox"/>
E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____	
Lat _____ Mi-L _____ Sonic _____ Others _____	



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office .....  
Lease No. **U-04598** .....  
Unit **Segundo Canyon** .....

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

..... **October 27** ....., 19**60** .....

Well No. **1** ..... is located **660** ft. from  $\left. \begin{matrix} N \\ S \end{matrix} \right\}$  line and **1570** ft. from  $\left. \begin{matrix} E \\ W \end{matrix} \right\}$  line of sec. **9** .....

**SW/4** ..... **SE/4** ..... **T17S** ..... **R21E** .....  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Wildcat** ..... **Grand** ..... **Utah** .....  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ..... ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**We plan to drill 50' into the Entrada or a maximum depth of 10,000'. Will set 200 feet 13 3/8 surface casing and approximately 4,700 feet 8 5/8 intermediate string.**

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **E. B. LaRue, Jr.** .....

Address **P. O. Box 209** .....

**Athens, Texas** .....

By *E. B. LaRue, Jr.* .....

Title **Operator** .....

November 1, 1960

Mr. E. B. LaRue, Jr.  
P. O. Box 209  
Athens, Texas

Dear Mr. LaRue:

We have been informed that you plan to drill a well 660 feet from the south line and 1570 feet from the east line of Section 9, Township 17 South, Range 21 East, S1M, Grand County, Utah.

Approval of this Commission is required before this well can be spudded, as noted in Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, State of Utah, Oil and Gas Conservation Commission.

This well is also an unorthodox location from that permitted under Rule C-3 (b). If this unorthodox location is necessary because of topography, it is suggested that you apply for an exception to Rule C-3 (b) as provided in Rule C-3 (c), (1) and (2). A detailed description of local topography which prevents the well from being drilled on regular spacing should be included in a cover letter transmitting your Notice of Intention to Drill this well.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ROBERT L. SCHMIDT,  
CHIEF PETROLEUM ENGINEER

RLS:avg

cc: Don F. Russell, Dist. Eng.  
U. S. Geological Survey

H. L. Coonts - OGD, Hoab

E. B. LARUE, JR.

LARUE BUILDING

P. O. BOX 209

ATHENS, TEXAS

November 3, 1960

Mr. Robert L. Schmidt, Chief Petroleum Engineer  
The State of Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City 11, Utah

Dear Mr. Schmidt:

In reply to your letter of November 1, 1960, we request your approval of our location which is 660 feet north of the south line and 1750 feet west of the east line of Section 9, T17S, R21E, Grand County, Utah, under Rule A-3, Rule C-3 (b) and Rule C-3 (c), (1) and (2). A regular location would fall on a steep incline which is dipping to the east. The cost of building this location would be several thousand dollars more than the cost of the location for which we request your approval. If any further information is required in this connection please let us know.

Yours very truly,



E. B. LaRue, Jr.

EBL, Jr/ash

*LaRue has not cleaned  
up other location.*

TELEPHONE: DAVIS 2-2583



February 23, 1961

Mr. Cleon B. Feight  
Utah Oil and Gas Conservation Commission  
Newhouse Building  
Salt Lake City, Utah

Dear Mr. Feight:

Please find enclosed a copy of Notice of Intention to Drill Segundo Canyon Unit Well No. 1 in the SW $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 9, Township 17 South, Range 21 East, Salt Lake Meridian. Also enclosed is a copy of the survey plat of this location and an unexecuted copy of the Segundo Canyon Unit Agreement.

Very truly yours,

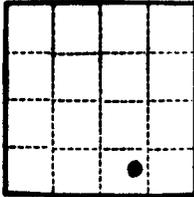
ENGLISH OIL COMPANY

*Robert A. Patterson*

Robert A. Patterson  
Chief Landman

RAP:de

Encs.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office .....

Lease No. Utah 04598 .....

Unit Segundo Canyon .....

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL .....	X	SUBSEQUENT REPORT OF WATER SHUT-OFF .....	
NOTICE OF INTENTION TO CHANGE PLANS .....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING .....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF .....		SUBSEQUENT REPORT OF ALTERING CASING .....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL .....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR .....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE .....		SUBSEQUENT REPORT OF ABANDONMENT .....	
NOTICE OF INTENTION TO PULL OR ALTER CASING .....		SUPPLEMENTARY WELL HISTORY .....	
NOTICE OF INTENTION TO ABANDON WELL .....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 22, 1961

Well No. 1 is located 660 ft. from  $\begin{matrix} N \\ S \end{matrix}$  line and 1570 ft. from  $\begin{matrix} E \\ W \end{matrix}$  line of sec. 2

$\begin{matrix} SW \\ SE \end{matrix}$  T. 17S., R. 21E., Salt Lake  
(Of Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 8300 ft. (Estimated ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

We plan to drill 50' into the Entrada or a maximum depth of 10,000'. Will set 250' of 19-1/8" surface casing and cement solid with returns to surface. Will set 8-5/8" intermediate string through the Castlegate formation. Expect formation tops are as follows:

Castlegate	4800'
Dakota	8600'
Cedar Mountain	8750'
Morrison	8900'
Entrada	9400'

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

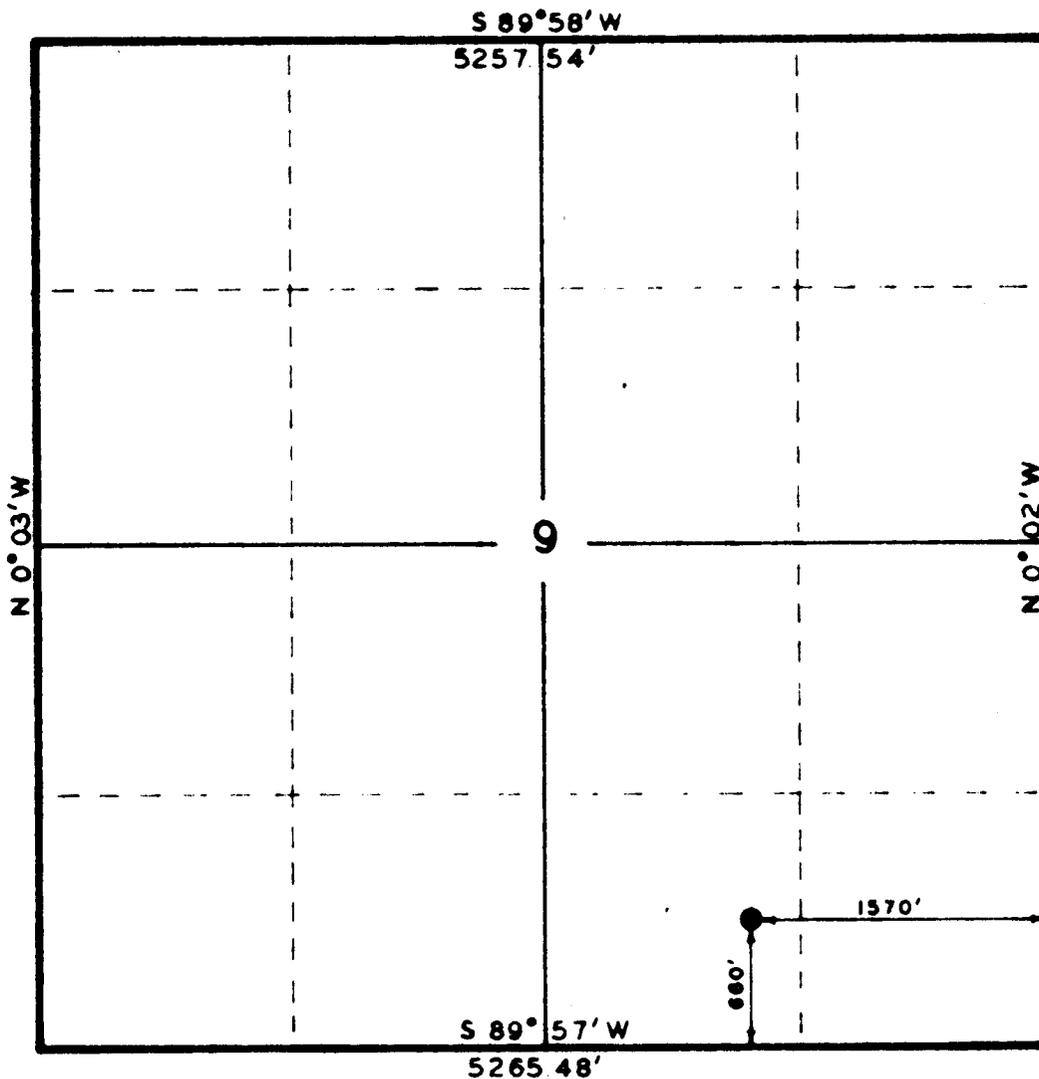
Company ENGLISH OIL COMPANY

Address 366 South Fifth East St.

Salt Lake City, Utah

By *Robert J. Minton*  
Robert J. Minton  
Title President

T17S, R21E, SLB & M



Scale 1"=1000'

*E.B. Larue*

By: ROSS CONSTRUCTION CO.  
Vernal, Utah

<p>PARTY R.D. Ross Larry Parker</p> <p>WEATHER Warm-clear</p>	<p>SURVEY E.B. LARUE</p> <p>LOC. NO. 1 LOCATED AS SHOWN IN SW 1/4, SE 1/4 SEC. 9, T17S, R21E, SALT LAKE BASE &amp; MERIDIAN GRAND COUNTY, UTAH.</p>	<p>DATE 10/21/60</p> <p>REFERENCES US GLO Township plat</p> <p>FILE LARUE</p>
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5.  
Approval expires 12-31-60.  
LAND OFFICE **Salt Lake City**  
LEASE NUMBER **U - 04598-A**  
UNIT **Segundo Canyon**  
**Grand County, Utah**

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 19 61,

Agent's address P. O. Box 808 Company Pacific Natural Gas Exploration  
Farmington, New Mexico Signed Gilbert D. Noland, Jr.

Phone DA5-3421 Agent's title Drilling Superintendent  
Gilbert D. Noland Jr.

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW/4, SE/4 Sec. 9	17S	21E	1							Waiting on Rotary Tools.

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

**SOUTHERN UNION PRODUCTION COMPANY**

FIDELITY UNION TOWER

DALLAS 1, TEXAS

DRILLING & PRODUCTION DEPT.

PAUL J. CLOTE  
MANAGER

May 5, 1961

Oil and Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah

Gentlemen:

We are enclosing an original and one copy of "Re-Filing of Intent to Drill" and "Change of Operator" on Pacific Natural Gas Exploration Company's Segundo Unit No. 1 well located in the SW/4 SE/4 of Section 9, Township 17 South, Range 21 East in Grand County, Utah.

We are also enclosing a copy each of the Oil and Gas Bond and the Power of Attorney.

If you should desire additional information or forms, please advise.

Yours very truly,



Paul J. Clote

Agent for Pacific Natural Gas Exploration Co.

PJC:mc  
Enclosures

cc: Mr. Joseph R. Rensch  
Pacific Natural Gas Exploration Co.  
720 West Eighth Street  
Los Angeles 17, California

Mr. Gilbert Noland  
Southern Union Production Co.  
P. O. Box 808  
Farmington, New Mexico

	Section	
		9

STATE OF UTAH  
**OIL & GAS CONSERVATION COMMISSION**  
 SALT LAKE CITY, UTAH

Fee and Patented.....  
 State .....  
 Lease No. ....  
 Public Domain .....   
 Lease No. U-04598-A  
 Indian .....  
 Lease No. ....

### SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	<input type="checkbox"/>	Subsequent Report of Water Shut-off.....	<input type="checkbox"/>
Notice of Intention to Change Plans.....	<input type="checkbox"/>	Subsequent Report of Altering Casing.....	<input type="checkbox"/>
Notice of Intention to Redrill or Repair.....	<input type="checkbox"/>	Subsequent Report of Redrilling or Repair.....	<input type="checkbox"/>
Notice of Intention to Pull or Alter Casing.....	<input type="checkbox"/>	Supplementary Well History.....	<input type="checkbox"/>
Notice of Intention to Abandon Well.....	<input type="checkbox"/>	<u>Change of Operator</u> .....	<input checked="" type="checkbox"/>
.....	<input type="checkbox"/>	<u>Re-Filing of Intent to Drill</u> .....	<input checked="" type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

..... May 4, 19 61  
 Segundo Unit #1  
 Well No. - is located - ft. from  $\left\{ \begin{matrix} N \\ S \end{matrix} \right\}$  line and - ft. from  $\left\{ \begin{matrix} E \\ W \end{matrix} \right\}$  line of Sec. 9  
SW/4 SE/4 Section 9      17 South      21 East      SLM  
(¼ Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)  
WC      Grand      Utah  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the derrick floor above sea level is X feet. To be determined

A drilling and plugging bond has been filed with .....

#### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Above well formerly filed under English Oil Company as Operator.  
 Well was spudded March 3, 1961, and drilled to a depth of 284 feet. Set 284 feet of 13-3/8" 48#, H-40, Range 2 Conductor casing on March 14, 1961. Cemented w/300 sacks with returns to surface. Cable-tool rig used in spudding surface hole was moved off on March 15, 1961.

Pacific Natural Gas Exploration Company intends to move in suitable rotary w/air drilling equipment for Entrada test. Est depth 9000'.

In event of production 5-1/2" csg will be run to TD.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company Pacific Natural Gas Exploration Company  
 Address 720 West Eighth Street By Paul J. Clote  
Los Angeles 17, California Title Agent for Pacific Natural Gas  
Exploration Company

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

**Southern Union** PRODUCTION  
*Company*

DRILLING AND GEOLOGICAL DEPARTMENTS

P. O. BOX 808

FARMINGTON, NEW MEXICO

May 16, 1961

Utah Oil & Gas Commission  
310 Newhouse Building  
Salt Lake City, Utah

Gentlemen:

Please find enclosed an original and two copies of "Lessee's Monthly Report of Operations" on Pacific Natural Gas Exploration Company's Segundo Unit No. 1 well located in the SW/4 SE/4 of Section 9, Township 17 South, Range 21 East in Grand County, Utah.

Yours very truly,

*Gilbert D. Noland, Jr.*

Gilbert D. Noland, Jr.

Agent for Pacific Natural Gas Exploration Co.

GNJ:ml  
Enclosures

cc: Mr. Joseph R. Rensch  
Pacific Natural Gas Exploration Co.  
720 West Eighth Street  
Los Angeles 17, California

Mr. Paul J. Clote  
Southern Union Production Co.  
Fidelity Union Tower Building  
1507 Pacific Avenue  
Dallas 1, Texas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Salt Lake City  
LAND OFFICE U-04598-A  
LEASE NUMBER Segundo Canyon  
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1961

Agent's address P. O. Box 808 Company PACIFIC NATURAL GAS EXPLORATION

Farmington, New Mexico Signed G. D. Noland, Jr.

Phone Davis 5-3421 Agent's title Agent for Pacific Natural Gas

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW/4, SE/4 Sec. 9	17S	21E	1							Drilling at 3528 ft. in sand and shale w/ mud.

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

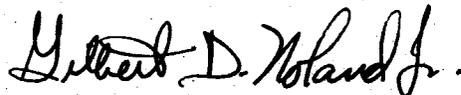
May 23, 1961

United States Geological Survey  
445 Federal Building  
Salt Lake City, Utah

Gentlemen:

Enclosed please find three copies of "Supplementary Well History" covering Pacific Natural Gas Exploration Company's Segundo Unit No. 1 well located in Section 9, Township 17 South, Range 21 East, Grand County, Utah.

Yours very truly,



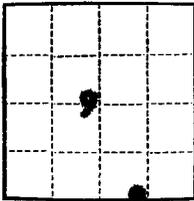
Gilbert D. Noland, Jr.  
Agent for Pacific Natural Gas Exploration Co.

GDN:ml  
Enclosures

cc: Utah Oil & Gas Conservation Commission ✓  
310 Newhouse Building  
Salt Lake City, Utah

Mr. Joseph R. Rensch  
Pacific Natural Gas Exploration Co.  
720 West Eighth St.  
Los Angeles, California

Mr. P.J. Clote - Dallas  
File



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-06598-1  
Unit Segundo Canyon  
Grand County, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 1/ Segundo Unit is located 560 ft. from N line and 1570 ft. from E line of sec. 9  
SW/4, SW/4, Sec. 9 (Sec. and Sec. No.) T-17S (Twp.) R-11E (Range) S 1 M (Meridian)  
Wildcat (Field) Grand County (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft. To be determined.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- Moved in and rigged up rotary tools.
- Fractured up on surface casing to 500 psi for 30 minutes on May 21, 1961. Pressure held.
- Commenced drilling operations on May 21, 1961. Drilling 11" hole at 423 ft. with air on May 21, 1961.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pacific Natural Gas Exploration Company.  
 Address 720 West Eighth St.  
Los Angeles 17, California

By Gilbert D. Holand  
 Title Gilbert D. Holand,  
Agent for Pacific Natural Gas  
Exploration Company

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City  
LEASE NUMBER U-04598-A  
UNIT Segundo ~~Hot~~ Canyon  
Grand County, Utah

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 19 61, \_\_\_\_\_ Co.

Agent's address P. O. Box 808 Company Pacific Natural Gas Exploration/  
Farmington, New Mexico Signed Gilbert D. Noland, Jr.

Phone DA5-3421 Agent's title Agent for Pacific Natural Gas  
Expl. Co.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW/4 SE/4 Sec.9	17S	21E	1							Drilling at 9440 w/Air.

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

**Southern Union** **PRODUCTION**  
*Company*

DRILLING AND GEOLOGICAL DEPARTMENTS

P. O. BOX 808

FARMINGTON, NEW MEXICO

July 5, 1961

Utah Oil & Gas Conservation Commission  
310 Newhouse Bldg.  
Salt Lake City, Utah

Gentlemen:

Enclosed please find two (2) copies of "Lessee's Monthly Report of Operations" covering Pacific Natural Gas Exploration Company's No. 1 Segundo Unit well located in Section 9, Township 17 South, Range 21 East, Grand County, Utah.

Yours very truly,

*Gilbert D. Noland, Jr.*

Gilbert D. Noland, Jr.  
Agent for Pacific Natural Gas Exploration Co.

GDN:ml

Encls.

cc: Mr. H. L. Bosshard  
Pacific Natural Gas Exploration Co.  
720 West Eighth Street  
Los Angeles 17, California  
cc: Mr. Paul J. Clote - Dallas  
File

Agw

Supp. A. Lett

USGS - Salt Lake City - 2  
Accounting - 2  
Pac. Nat. - 2 (Mr. Bosshard & Mr. Jefferson)  
OCC - Utah  
File - 2 - 9

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R356.5.

LAND OFFICE Utah  
LEASE NUMBER 04598-A  
UNIT Segundo Canyon Unit #1  
Non-Participating Mancos

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Segundo Canyon Unit Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of \_\_\_\_\_, 19\_\_\_\_, Segundo Canyon Unit #1

Agent's address Fidelity Union Tower Bldg. Company Pacific Natural Gas Exploration Co  
Dallas 1, Texas Signed J. R. Synnum

Phone RI 8-8511 Southern Union Gas Co., Agent for Pacific Nat. Gas Expl.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW SE 9	17S	21E	1	0	0		0	0	0	

**OIL PRODUCTION TO BEING (2) A, LEASE #11 1000 FOR PACIFIC OIL.**

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold; \_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

12.

July 25, 1961

United States Geological Survey  
445 Federal Building  
Salt Lake City, Utah

Gentlemen:

Enclosed please find three copies of "Notice of Intention to Change Plans" covering Pacific Natural Gas Exploration Company's Segundo Unit No. 1 well, located in Section 9, Township 17 South, Range 21 East, Grand County, Utah.

Yours very truly,

*Gilbert D. Noland, Jr.*

Gilbert D. Noland, Jr.  
Agent for Pacific Natural Gas Exploration Co.

GDN:ml

Enclosures

cc: Mr. Joseph R. Rensch  
Pacific Natural Gas Exploration Co.  
720 West Eighth St.  
Los Angeles, California

Utah Oil & Gas Conservation Commission ✓  
310 Newhouse Building  
Salt Lake City, Utah

Mr. Paul J. Glote - Dallas  
File

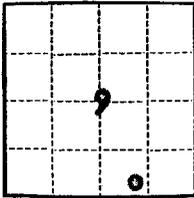
(SUBMIT IN TRIPLICATE)

Land Office **Salt Lake City**

Lease No. **U-04598-A**

Unit **Segundo Canyon**  
**Grand County, Utah**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 25, 1961

Well No. **1** is located **660** ft. from **N** line and **1570** ft. from **E** line of sec. **9**  
**SW/4, SE/4, Sec. 9** **17S** **21E** **SLM**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Wildcat** **Grand County** **Utah**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **6351** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We Propose to:

1. Run **5 1/2"**, **17#**, **N-80** Casing as a liner. Set Bottom at approx. **6850** ft. Top at **6140** ft. Cement with **200** cu. ft. **50-50** pozzex cement with **12 1/2#** gilsonite/sack and **2%** gel. The **5 1/2"** liner with overlap in the **8-5/8"** **36#** casing. approximately **200** ft.
2. Pressure test casing and liner to **2000** psi for **30** minutes.
3. Clean out liner to P.B.T.D. of approx. **6820** ft.

(OVER)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Pacific Natural Gas Exploration Company**

Address **720 West Eighth St.**

**Los Angeles 17, California**

By **Gilbert D. Noland Jr.**  
**Gilbert D. Noland, Jr.**

Title **Agent for Pacific Natural Gas**  
**Exploration Company**

4. Perf. approximately 50 ft. from 6700 to 6750 with 4 Jet shots/ft. in the Emery Zone. Acidize test and frac perms with approximately 50,000# sand and 50,000 gallons water with 1% CaO/2.
5. Set Bridge Plug in 5 1/2" casing.
6. Perf. Castlegate formation 4 shots/ft. in the following approximate intervals 5638-5712, 5722-5750, 5764-5782, 5830-5910. Acidize test and sand water fracture with approximately 100,000# sand and 100,000gallons water containing 1% CaO/2.
7. Test both the Emery and Castlegate Zones. If commercial production is found in both zones a Model "D" Baker permanent type production packer will be set and 2" E.U.E. tubing will be run thru packer for Emery completion. A string of 2" Integral Joint tubing or 2" E.U.E. tubing will be run to Castlegate for a dual completion.

1964 9 2 766

July 25, 1961

United States Geological Survey  
445 Federal Building  
Salt Lake City, Utah

Gentlemen:

Enclosed please find three copies of "Supplementary Well History" covering Pacific Natural Gas Exploration Company's Segundo Unit No. 1 well located in Section 9, Township 17 South, Range 21 East, Grand County, Utah.

Yours very truly,

*Gilbert D. Noland, Jr.*

Gilbert D. Noland, Jr.  
Agent for Pacific Natural Gas Exploration Co.

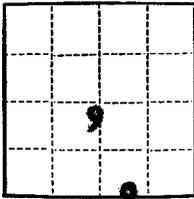
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Enclosures

cc: Mr. Joseph R. Rensch  
Pacific Natural Gas Exploration Co.  
720 West Eighth St.  
Los Angeles, California

Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah

Mr. Phil J. Clote - Dallas  
File



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-04598-4

Unit Segundo Basin  
Grand County, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 25, 19 61

Well No. 1 Segundo Unit is located 660 ft. from DX line and 1570 ft. from E line of sec. 9

SW/4, SE/4, Sec. 9 (1/4 Sec. and Sec. No.) 17E (Twp.) 21E (Range) S1M (Meridian)  
Wildcat (Field) Grand County (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 8352 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

1. Air drilled 11" hole to T.D. of 2759. Encountered moisture. Unable to air drill.
2. Mudded up hole at T.D. of 2759 on May 26, 1961. Mud drilled hole to T.D. of 6335 with 11" bit. T.D. reached June 21, 1961.
3. Ran E.S. Induction, Sonic Cliper and Micro logs on June 22, 1961 to 6335 ft.
4. Ran 189 jts. 32.0# and 36.0# 8-5/8", J-55 Casing on June 23, 1961. Landed at 6334 R.K.B. Cemented with 525 sacks 50-50 portix cement with 12# gilsonite/sack and 50 sacks regular cement with 2% gal. Plug down 4:30 P.M. June 23, 1961.

continued . . .

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pacific Natural Gas Exploration Company

Address 720 West Eighth St.

Los Angeles 17, California

By Gilbert D. Noldand, Jr.

Title Agent for Pacific Natural Gas  
Expl. Company

5. Ran temperature survey on June 24, 1961. Top of cement at 3875 R.K.B. Pressured up on 8-5/8" casing to 1500 psi for 30 minutes, Pressure held.
6. Drilled 7-5/8" hole to T.D. of 97h2 with air. Stuck drill pipe. Reached T.D. on July 2, 1961.
7. Matted up hole. Ran free point backed off drill pipe at 7961 R.K.B. on July 6, 1961. Left 6 6 1/2" drill collars and 1613 ft. of 4 1/2" Full Hole drill pipe in hole.
8. Went in hole with 6 joints (17 1/2 ft.) 7" O.D. H-80 flush joint wash pipe. Condition and clean hole to 7921. Lost wash pipe in hole. Bottom at 7921 Top at 7747 R.K.B.
9. Ran spear and subsequent fishing operations. Recovered 2 joints, 56 ft. of wash pipe on July 9, 1961. Unable to recover remainder of pipe. Left 4 jts. wash pipe in hole. Bottom 7921; Top at 7803 R.K.B. Suspended fishing operations on July 11, 1961.
10. Ran E.S. Induction, Litterlog, Sonic Caliper and Dipmeter survey log on July 11, 1961.
11. Set 40 sacks regular with 10% sand whipstock plug from 7775 to 7716 on July 13, 1961. Dressed top of plug to 7731 R.K.B. Set Hanco whipstock on July 16, 1961. Drilled 5-3/8" whipstock pilot hole to 77h2. Ran deviation survey. Hole did not deviate. Re-set whipstock at 77h2. Drilled 5-3/8" pilot hole to 7756. Ran deviation survey. No deviation. Unable to sidetrack hole.
12. Set 40 sack regular with 10% sand plug from 7580-7490 ft. on July 18, 1961.
13. Ran 7-5/8" bit dressed top of plug to 7503. Ran Hanco Whipstock set at 7503. Drilled 5-3/8" pilot hole to 7527. Ran reamer and hole opener. Ran survey No deviation. Ran bit dressed top of plug to 7527 ft. Ran whipstock set at 7527. Drilled pilot hole to 7551. No deviation. Re-set whipstock on subsequent runs at 7560 and 7575 with no results.
14. Whipstock operations suspended on July 23, 1961.
15. Ran drill pipe set 65 sacks regular cement plug from 7730 to 7610 on July 24, 1961.
16. Prep to run liner and complete upper formations on July 25, 1961.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City  
LEASE NUMBER U-04598-A  
UNIT Segundo Canyon  
Grand County, Utah

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 19 61,

Agent's address P. O. Box 808 Company Pacific Natural Gas Expl. Co.  
Farmington, New Mexico Signed Gilbert D. Noland, Jr. (G.D.N.)

Phone 325-3587 Agent's title Agent for Pacific Natural Gas Expl. Co.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW/4, SE/4 Sec. 9	17S	21E	1							Testing, through perforations, zone from 6700-6750.

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

August 9, 1961

Mr. G. G. Frazier, District Engineer  
United States Geological Survey  
152 New Custom House  
Denver 2, Colorado

Dear Mr. Frazier:

Enclosed please find two (2) copies of "Lessee's Monthly Report of Operations" covering Pacific Natural Gas Exploration Company's No. 1 Segundo Unit well located in Section 9, Township 17 South, Range 21 East, Grand County, Utah.

Yours very truly,

PACIFIC NATURAL GAS EXPLORATION CO.

*Gilbert D. Moland, Jr. (R.F.M.)*

Gilbert D. Moland, Jr.  
Agent for Pacific Natural Gas Exploration Co.

GDN/js

Encls.

cc: Utah Oil & Gas Conservation Commission  
310 Newhouse Bldg.  
Salt Lake City, Utah

Mr. H. L. Bosshard  
Pacific Natural Gas Exploration Co.  
720 West Eighth Street  
Los Angeles 17, California

Mr. P. J. Glote - Dallas  
file

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City  
LEASE NUMBER U-04598-A  
UNIT Segundo Canyon  
Grand County, Utah

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 19 61,

Agent's address P. O. Box 808 Company Pacific Natural Gas Expl. Co.

Farmington, New Mexico Signed Gilbert D. Noland, Jr.

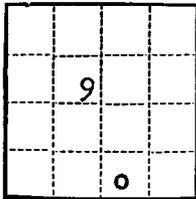
Phone 325-3587 Agent's title Agent for Pacific Nat. Gas Expl. Co.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW 1/4, SE 1/4 Sec. 9	17S	21E	1							P.B.T.D. 6864 Ran Tbg. Blowing, Cleaning & Testing Well from perforations from 6700-6750

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U - 04598-A  
Unit Segundo Canyon  
Grand County, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 1, 19 61

Segundo Unit  
Well No. 1 / SE/4 is located 660 ft. from S line and 1570 ft. from E line of sec. 9  
SE/4 Sec. 9 17S 21E S1M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 8351 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

1. Ran 24 joints 5 1/2", 17.0#, N-80 Casing as a liner on July 25, 1961. Bottom at 6899' R.K.B., Top at 6104 R.K.B.. Cemented with 225 cu. ft. of 50-50 pozmix cement w/12 1/2# gilsonite/sack. Plug down 1:30 P.M. 7/25/61.
2. Clean out liner to P.B.T.D. of 6864. Press. test 8-5/8" Casing and 5 1/2" liner to 2200 psi for 15 minutes on July 28, 1961. Pressure held.
3. Ran Schlumberger cement bond log from 6104 ft. to 2000 ft. in 8-5/8" Casing.
4. Ran McCullough Cement log and Gamma Ray Correlation log from P.B.T.D. of 6833 to top of 5 1/2" liner at 6104 ft.
5. Perforated 2 shots/ft. from 6700 to 6750' w/McCullough Jet charges. Emery formation.
6. Sand-Water frac perforations with 49,700# 20-40 sand and 52,584 gallons water containing 2% calcium Chloride and Dowell J-101 additive. Frac completed July 29, 1961.

(CONTINUED)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pacific Natural Gas Exploration Company

Address 720 West Eighth Street

Los Angeles 17, California

By Gilbert D. Noland, Jr.  
Gilbert D. Noland, Jr.

Title Agent for Pacific Natural Gas Exploration Company

7. Ran 5 $\frac{1}{2}$ " Packer set at 6570 ft. on 2" tubing. Swab and test well. Kicked off flowing July 31, 1961. Guaged 372,400 cu. ft. gas/24 hrs on pitot tube test.
8. Ran 8-5/8" Cast Iron Baker Bridge Plug on August 1, 1961. Set at 6040 ft. R.K.B.
9. Perforated 8-5/8" casing with 2 shots/ft. from 5830 to 5910 ft. on August 1, 1961.
10. Sand-Water Fracture perforations with 50,000# 20-40 mesh sand and 72,786 gallons of water containing 2% Ca Cl<sub>2</sub> and Halliburton WAC-8 fluid loss additive.
11. Blowed hole down to 5400' with air. No show of oil or gas. Recovered estimated 28,350 gallons of frac water.
12. Set Baker 8-5/8" Model "K" Cast Iron cement retainer at 5814' R.K.B. Squeezed perforations from 5803 to 5910 ft. w/200 sacks regular cement on August 8, 1961. Max squeeze press 2300 psi.
13. Perforated Castlegate formation 2 shots/ft. from 5638 to 5706. Acidized perfs w/500 gallons 15% mud acid on August 10, 1961. Swab back acid water no show of oil or gas. Re-Acidize perfs with 1500 gal. 15% mud acid. Swab tbg down, no show of oil or gas.
14. Sand Water frac perforations from 5638 to 5709 w/82,000# 20-40 mesh sand and 71,500 gallons water containing 2% ca cl<sub>2</sub> and Dowell J-101 additive.
15. Went in hole with drill pipe blowing hole down with air on August 12, 1961. Blowed hole down to 4590 ft. Recovered estimated 2300 bbl. water. Making 20-25 bbl water/hr. No oil or gas.
16. Ran Baker 8-5/8" full bore packer on August 17, 1961. Set at 5495 R.K.B. Cemented perforations from 5638 to 5709 with 200 sacks regular cement. Went in hole w/bit drill cement and clean out to 5787. Pressure up on perforations. Pump in at 1500 psi. Ran 8-5/8" Baker full bore packer set at 5525 R.K.B. Re-squeeze perforations from 5638 to 5709 with 200 sacks regular cement. Max squeeze pressure 2900 psi. Job complete 8:00 P.M. August 18, 1961.
17. Went in hole with 7-7/8" bit drill squeeze cement and clean out hole to Baker Model "K" retainer at 5814'. Drilled retainer and clean out to Cast Iron Bridge Plug at 6040' R.K.B. Pressure up on perforations on August 19, 1961. Pump in at 2000 psi. Ran Baker full bore retrievable packer set at 5555' R.K.B. Cemented perforations from 5638 to 5709 & 5830-5910 w/ 300 sacks regular cement w/2% CaCl<sub>2</sub>. Maximum squeeze pressure 3000 psi. Squeeze complete 12:30 A.M. August 21, 1961. Went in hole with 7-7/8" bit drilled Cement from 5536 to 6040 ft. Pressure up on perforations from 5638 to 5709 and 5830-5910 with 2000 psi. for 30 minutes on August 22, 1961. Press. held.
18. Drilled 8-5/8" cast iron bridge plug at 6040 ft. Clean out 5 $\frac{1}{2}$ " liner to P.B.T.D. of 6756 ft.
19. Ran 210 joints, 2" E.U.E., 4.7#, J-55 tubing on August 23, 1961. Landed at 6650 R.K.B.
20. Swabbing well thru 2" tubing on August 31, 1961. Cleaning up frac water from Emery perforations from 6700' to 6750' R.K.B.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City  
LEASE NUMBER U-01598-A  
UNIT Segundo Canyon,  
Grand County, Utah

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State UTAH County GRAND Field WILDCAT

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 19 61, Gilbert D. Noland & Co.

Agent's address P. O. Box 808 Company Pacific Natural Gas Exploration

Farmington, New Mexico Signed G. D. Noland, Jr.

Phone \_\_\_\_\_ Agent's title Agent for Pacific Nat. Gas

Exploration Co.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>SW/4SE/4</u> <u>Sec. 9</u>	<u>17S</u>	<u>21E</u>	<u>1</u>							<u>P.B.T.D. 6864</u> <u>Shut-in</u>

NOTE.—There were NO runs or sales of oil; NO M cu. ft. of gas sold;

NO runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

October 11, 1961

United States Geological Survey  
445 Federal Building  
Salt Lake City, Utah

Dear Sir:

Enclosed please find three copies of "Lessee's Monthly Report of Operations" covering Pacific Natural Gas Exploration Company's No. 1 Segundo Unit well located in Section 9, Township 17 South, Range 21 East, Grand County, Utah.

Yours very truly,

*Gilbert D. Noland, Jr.*

Gilbert D. Noland, Jr.  
Agent for Pacific Natural Gas Exploration Co.

GDN:ml

Enclosures

cc: Mr. Joseph R. Rensch  
Pacific Natural Gas Exploration Co.  
720 West Eighth Street  
Los Angeles, California

cc: Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah

Mr. Paul J. Clote - Dallas

File

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER U-04598A  
UNIT Segundo Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1961,

Agent's address 366 South 5th East Company ENGLISH OIL COMPANY  
Salt Lake City 2, Utah

Phone DAVIS 2-2583 Signed [Signature] Agent's title Chief Geologist

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW 1/4 SE 1/4 9	17S	21E	1							<p>During October a swabbing unit was moved onto location and the well was swab and flow tested for twelve days. The well flowed gas at the rate of 150 MCFPD containing 2396 gallons of distillate per thousand, plus frac water at the maximum rate of 5 barrels/hour, plus an unknown quantity of emulsified oil. Swab unit moved out on October 30, 1961 because of heavy snow before testing operations were complete.</p>

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

102

October 16, 1961

Mr. D. F. Russell  
United States Geological Survey  
Branch of Oil and Gas Operations  
445 Federal Building  
Salt Lake City 1, Utah

Dear Mr. Russell:

The following information is submitted in regards to Pacific Natural Gas Exploration Company's Segundo Canyon Unit No. 1 well, Lease Utah 04590-A, Grand County, Utah.

1. Well swabbed thru tubing until September 1, 1961. Swabbing frac water with estimated 300 MCFPD of gas with very slight oil show. Swabbing unit and rig released September 1, 1961. Shut well in for pressure build up.

2. Opened well to atmosphere September 7, 1961. Tubing blowed down in fifteen minutes, no fluid to surface in two hours. Shut well back in. Six day shut-in casing pressure 635 PSI, Shut-in tubing pressure 635 PSI.

3. Opened well to atmosphere thru tubing on September 13, 1961. Tubing blowed down in ten minutes. Well open 3 hours. No fluid to surface. Seven day shut-in casing pressure 640 PSI, Shut-in tubing pressure 590 PSI.

We are presently moving in a single drum swabbing unit to swab and conduct further tests on this well. We presently plan to swab well until frac water has decreased and some type of Initial Potential test can be determined as to gas and liquid production. As soon as this is determined the appropriate forms will be filed with your office.

If we may be of further assistance please advise.

Yours truly,

*Gilbert D. Noland, Jr.*

Gilbert D. Noland, Jr.  
Agent for Pacific Natural Gas Expl. Co.

GDN:ml

cc: Mr. Paul J. Clote - Dallas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
U-01598-A  
LEASE NUMBER Segundo Canyon  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1961,

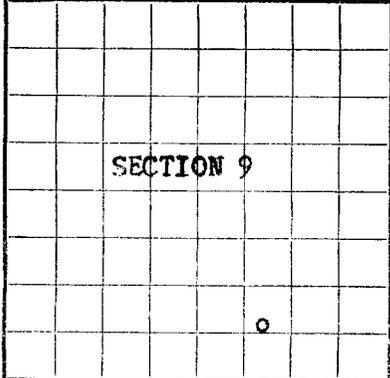
Agent's address 366 South 5th East Company ENGLISH OIL COMPANY  
Salt Lake City 2, Utah Signed M. Darwin Gulgley

Phone DAvis 2-2583 Agent's title Chief Geologist

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>SW 1/4 9</u>	<u>17S</u>	<u>21E</u>	<u>1</u>							<u>Well temporarily shut in pending further testing when weather permits.</u>

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold; no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



Salt Lake City/  
U. S. LAND OFFICE U-01598-A  
SERIAL NUMBER  
SEGUNDO CANYON UNIT,  
GRAND COUNTY, UTAH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY  
Company Pacific Natural Gas Exploration Company Address 720 West Eighth Street Los Angeles 17, California  
Lessor or Tract Segundo Canyon Unit Field Wildcat State Utah  
Well No. 1 Sec. 9 T. 17S. R. 21E. Meridian Salt Lake County Grand  
Location 660 ft. N. of S. Line and 1570 ft. E. of E. Line of Section 9 Elevation 8351 D.F.  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.  
Signed By: M. Darwin Quigley Title Chief Geologist  
Date December 14, 1961

The summary on this page is for the condition of the well at above date.  
Commenced drilling March 3, 1961 Finished drilling July 21, 1961

OIL OR GAS SANDS OR ZONES

*(Denote gas by G)*

No. 1, from 6700 to 6750 (G) No. 4, from 9410 (Not tested because of loss of hole) to 9410  
No. 2, from 9410 to 9410 No. 5, from          to           
No. 3, from          to          No. 6, from          to         

IMPORTANT WATER SANDS

No. 1, from 9730 to 9742 T.D. (Salt water) No. 3, from          to           
No. 2, from          to          No. 4, from          to         

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
13 3/8"	48	8 rd	H-40	254'	Texas				Surface
8 5/8"	36	8 rd	J-55	633'	Hovco				Intermediate
5 1/2"	17	Linear	H-40	725'	Hovco		6700	6750	Production
2 3/8"	1.7#	Tbg.	J-55	6650'					Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	284'	300	Pump & plug		Circ. cement to surface
8 5/8"	633'	525	Pump & plug		Cement top 3875
5 1/2"	6899'	225	Pump & plug		Cement top 610'

PLUGS AND ADAPTERS

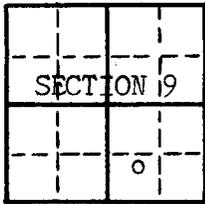
Heaving plug—Material          Length          Depth set           
Adapters—Material          Size         

FOLD MARK





123



**STATE OF UTAH**  
**OIL & GAS CONSERVATION COMMISSION**  
 SALT LAKE CITY, UTAH

Fee and Patented.....  
 State.....  
 Lease No. ....  
 Public Domain.....  
 Lease No. Utah 04598A  
 Segundo Canyon Unit  
 Indian.....  
 Lease No. ....

### SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....	Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....	X
Notice of Intention to Abandon Well.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 15, 1961

Segundo Canyon Unit  
 Well No. 1 is located 660 ft. from ~~{N}~~<sup>{S}</sup> line and 1570 ft. from ~~{W}~~<sup>{E}</sup> line of Sec. 9  
 SW $\frac{1}{4}$ SE $\frac{1}{4}$  Section 9      17 S.,      21 E.,      Salt Lake  
( $\frac{1}{4}$  Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)  
 Wildcat      Grand      Utah  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the derrick floor above sea level is 8351 feet.

A drilling and plugging bond has been filed with .....

#### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

- October 17, 1961: Moved R&R Drilling Service with crews, camp, and swabbing unit on to location.
- October 18, 1961: Shut in casing pressure 750#. Opened well. Flowed gas thru 3/4" choke at rate of 1,175 MCFPD with FTP 90#. Well flowed gas and frac water for 2-3 hour period before shutting itself in. Swab found frac water level between 3500' and 4000' from surface.
- October 20, 1961: Still swabbing. Water decreasing. Show of oil emulsion. High Flash Point (volatile). Fluid level 4500'. Swabbing from 6200'. Flows 4-5 hours naturally. Pitot tube test 450 MCF with frac water & show oil. Casing Pressure: Maximum 750#, Minimum 400#.
- October 27, 1961: Still swabbing back water covered with green emulsified oil. Separated oil tested 44° A.P.I. gravity. Swabbing 700' off bottom. Fluid level between 4200' and 4500' from surface.

(OVER)

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

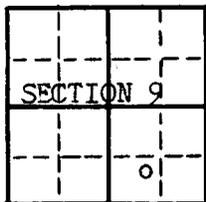
Company..... ENGLISH OIL COMPANY, Unit Operator.....

Address..... 366 So. 5th East Street..... By.....

..... Salt Lake City 2, Utah..... Title..... M. Darwin Quigley  
 Chief Geologist

**INSTRUCTIONS:** A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

- October 28, 1961: Swabbing from 6650'. Swabbed fluid level down to 6300' momentarily.
- October 29, 1961: Fluid level 4500'. Running swab every two hours. Well will flow for 7 hour period before killing itself.
- October 30, 1961: Water decreasing and oil content increasing. Heavy snow. Swab unit moved out because of weather.
- October 31, 1961: Well temporarily shut in pending further testing when weather permits. Shut in Tubing Pressure = 650#.



STATE OF UTAH  
**OIL & GAS CONSERVATION COMMISSION**  
 SALT LAKE CITY, UTAH

Fee and Patented.....  
 State.....  
 Lease No. ....  
 Public Domain.....  
 Lease No. Utah 04598A  
 Segundo Canyon Unit  
 Indian.....  
 Lease No. ....

**SUNDRY NOTICES AND REPORTS ON WELLS**

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....			
Notice of Intention to Continue Testing.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Segundo Canyon Unit  
 Well No. 1 is located 660 ft. from  $\left\{ \begin{matrix} N \\ S \end{matrix} \right\}$  line and 1570 ft. from  $\left\{ \begin{matrix} E \\ W \end{matrix} \right\}$  line of Sec. 9  
 SW 1/4 Section 9 17 South, 21 East, Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
 Wildcat Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 8351 feet.

A drilling and plugging bond has been filed with .....

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

From all reports the water production was still decreasing on the last day of swab testing on October 30, 1961.

As soon as weather permits, probably late next spring, a testing unit will be moved on to the location, and testing will continue until the water dries up, or stabilizes, and the oil, distillate, and gas production can be measured at a dependable, sustained rate by back pressure tests.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company ENGLISH OIL COMPANY, Unit Operator  
 Address 366 So. 5th East Street  
 Salt Lake City 2, Utah  
 By M. Darwin Quigley  
 Title Chief Geologist

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
<u>Green River on Surface</u>			
0	100		No samples.
100	500	100	Ss; buff, br. ark. and ool. and Marlst., gy dense pyr. (Interbedded).
500	570	70	Marlst; lt. gy. to dark oil sh. ool. sdy.
570	760	190	Sh; lt. gy. cal. cherty w/ ss. & Ls. incl.
760	910	150	Sh; gr. ool. & ostra., Fos. pyr., col. w/ ss. & Ls. incl.
<u>Colton Tongue 910</u>			
910	950	40	Sh; pur. br. mot., irreg.
950	1040	90	Sh; as above w/ ss., lt. gy. cal., f. to med., ang.
<u>Green River 1040</u>			
1040	1250	210	Ss; clear cr., ang., friable.
1250	1275	25	Ls; cream, v. ool. or Ostra.
1275	1300	25	Ss; clear, f. to med., ang., friable, ool.
1300	1345	45	Sh; pur. br. & dk. gy. w/Ls; cream, ool. or Ostra.
1345	1380	35	Ss; clear, med., ang., friable.
1380	1415	35	Sh; br. spkld., Ost. or Ool.
1415	1620	205	Ss; gy. mot., f., ang., v. lmy., tite, pyr.
1620	1700	80	Ss; as above & Ls. cream, Ost. & Ls., dk. gy., v. shly.
1700	2100	130	Ss; as above w/ sh. stks, rd. br. mot. & Ls., cream ost. (intbdd).
<u>Wasatch; Sample 2100; Schlum. 2125</u>			
2100	2160	60	Sh; pur. br. cal. & Ls; lt. buff to lt. gy. occ., ool., Sdy.
2160	2190	30	Sh; rd. br., cal, pyr. w/ Ls. ptgs., buff to lt. gy., Sdy.
2190	2230	40	No samples.
2230	2360	130	Sh; rd. br., cal., mot., w/ Ss. stks, lmy.
2360	2400	40	Ss; clear to trsl., poorly sorted., f., pyr.
2400	2540	140	Sh; rd. bn., cal., mot. w/Ss. stks, f. tite, cal., ang., pyr.
2540	2580	40	Ls; gy. to gr. gy., v. sdy, pyr. & Sh; as above.
2580	2630	50	Sh; rd. br., ptly. cal., w/ Ls. stks;
2630	2670	40	Ls; lt. buff to tan, v. sdy. w/Sh; gr., mot., olive, rd., waxy.
2670	2730	60	Sh; gy. to gr. waxy, rd. br. & pur. mot. w/ Ls; sdy.
<u>Converted from Air to Mud 2735'</u>			
2740	2900	160	Sh; rd. br., pur., gy., gr., mot. w/ Ss. & Ls. stks. inc. downward.
2900	3070	170	Ss; gy. v. cal., f. to med., pyr. & Ls; gy. v. sdy.
3070	3110	40	Sh; choc. br., vari. lmy., w/ Ls. stks.
3110	3170	60	Siltst; gy. to pur., gy., sdy, v. lmy, & Sh; choc., lmy.

## FORMATION RECORD

Page 2

FROM-	TO-	TOTAL FEET	FORMATION
3170	3240	70	Sh; gy. gr., & choc. br., mot., v. lmy.
<b>Fort Union (?)</b> : Sample 3240; Schlum. 3210:			
3240	3310	70	Sltst., lt. gy., cal. (almost Ss.) w/Ss. incl.; cr. ang.
3310	3630	320	Sltst; lt. gy., v. cal., & Ls; gy. v. Shly, frag. (Calcarenite).
3630	3650	20	Calcarenite.
<b>Ohio Ch. Conglomerate</b> : Sample 3650; Schlum. 3630:			
3650	3690	40	Calcarenite; frag. congl. w/ Sltst. & Ls. stks.
3690	3760	70	Calcarenite; bk. carb. spks & ptgs, frag. w/Sh; dk. gy.
3760	3780	20	Congl.; transl. to bk. chert.
<b>Mesa Verde</b> : Sample 3780; Schlum. 3770:			
3780	3810	30	Ls; lt. gy. to buff, dense, v. Shly, pyr.
3810	3870	60	Ss; gy, chalky, Cr., tite, cal. cem., pyr.
3870	3920	50	Sh; gy. mot. pur. waxy bent.
3920	4000	80	Ss; lt. gy. to chalky, f. tite, w/Sh., mot. incl., Congl. at base.
4000	4110	110	Intbdd. Sh; choc. br. & gy. mot. & Ss; s.& p., carb., f. & med.
4110	4150	40	Ss; s.& p., cal. f. to med. w/Ls. & Sh. incl. gy, waxy.
4150	4170	20	Sh; gy. to gy. gr., waxy.
4170	4250	180	Ss. to Sltst; s.& p. cal., slty, carb.
4250	4290	40	Ss; s.& p., cal., med. to cr., p.& p. w/Sh; gy., carb.
4290	4350	60	Sh; gy. & gr., carb., slty & Ss; s.& p., f. to med. cal.
4350	4390	40	Ss; s.& p., med., por., cal., pyr.
4390	4460	70	Sh; gy. to waxy, slty, carb.
4460	4520	60	Ss; s.& p., v.p.& p., cr., cal.
4520	4590	70	Sh; gy to gr. gy., waxy bent., slty to Sdy.
4590	4630	40	Ss; S.& p., med., cal., tite w/Sh. ptgs.
4630	4660	30	Sh; gy., gy. gr., mot., waxy., bent.
4660	4680	20	Ss; as above.
4680	4760	80	Sh; gy. to gr. gy. platy, waxy, carb. incl.
4760	4790	30	Ss; s.& p., v. slty, v.f., carb., incl., cal.
4790	4810	20	Sh; gy. to gr. gy., waxy, coal ptg.
4810	4830	20	Ss; s.& p., med. tite, cal.
4830	4840	10	Sh; as above.
4840	4860	20	Ss; as above w/ coal incl.
4860	4950	90	Sh; dk. gy. to bk., subbitum, bent.
4950	4970	20	Ss; s.& p., f., tite, slty, cal.
4970	4990	20	Sh; as above.

FROM-	TO-	TOTAL FEET	FORMATION
4990	5010	20	Ss; as above.
5010	5025	15	Sh; bk. coally.
5025	5045	20	Ss; as above.
5045	5050	5	Ls; lt. gy., f. xlline.
5050	5060	10	Ss; s. & p., med., friable w/Sh; bk., coally.
5060	5140	80	Sh; gy. to bk., ptly. coally, ptly bent., ptly Sdy.
5140	5190	50	Sh; bk., coally, bent.
5190	5210	20	Sltst; dk. gy., carb., Sdy.
5210	5310	100	Sh; gy. waxy bent., coally in pt., w/Ss. & Sltst. stks.
<b>Sego Ss: Sample 5310; Schlum. 5303</b>			
5310	5410	100	Ss; s. & p. to buff, coal stks, f. to med., ptly por., Sity at top.
<b>Buck Tongue: Sample 5410; Schlum. 5444</b>			
5410	5430	20	Sh; gy. waxy, slksides & Sh; bk., carb.
5430	5480	50	Sltst; buff, ptly Sdy., sl. cal.
5480	5570	90	Intbd Sh; gy. to dk. gy., coally, slkmsd. & Sltst; choc., cal.
5570	5620	50	Sh; gy., smooth, slkmsid.
<b>Castlegate Ss; Sample 5620; Schlum. 5634</b>			
5620	5790	170	Ss; clear f. to med., ptly. por., fluoresces. spotty stain. gas show in mud near bottom.
<b>Mancos Transition: Sample 5790; Schlum. 5781</b>			
5790	5915	125	Sltst; lt. gy., sdy., cal., some oil stain.
<b>Mancos Shale: Sample 5915; Schlum. 5914</b>			
5915	6190	275	Sh; dirty gy., sity., cal., ptly coally.
6190	6330	140	Sh; gy. to gr. gy. bent., sity & Sh; gy., sity., cal.
<b>Set Pipe 8-5/8 to 6344, Then drilled ahead with air.</b>			
6400	6660	260	Sltst; lt. gy., shly.
6660	6700	40	Sltst; as above but more sdy.
6700	6750	50	Sltst; ditto (Flared 340 MCFGPD) <u>Emery?</u>
6750	6800	50	Sltst; as above.
6800	6870	70	Sltst; gy., sl. shly.
6870	7250	380	Sh; dk. gy., v. sity.
7250	7940	690	Sh; dk. gy., less sity, more cal.
7940	8240	300	Sh; dk. gy., cal., more sity.
8240	8300	60	Sh; gy., almost Sltst.
8300	8540	240	Sltst; gy., shly., cal.
8540	8600	60	Sltst; gy. cal., sdy. (Good stain & Fluor.)
8600	8650	50	Sltst; gy., sl. cal., Shly.
8650	8740	90	Sh; dk. gy., sl. cal. & sity.
8740	8770	30	Sltst; gy., cal., Shly.

## FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
8770	9090	320	Sh; dk. gy., sl. cal. & sl. slty.
9090	9240	150	Sh; as above. (Spotty fluor. & Gd. CCl <sub>4</sub> Cut).
9240	9280	40	Sltst; gy. shly. (Good Fluor. Stain & CCl <sub>4</sub> Cut).
9280	9330	50	Sh; dk. gy., v. slty., sl. cal.
<u>Greenhorn or Dakota Silt: Sample 9330</u>			
9330	9390	60	Sltst; gy. Shly (Excell. Fluor. & Stain).
9390	9410	20	Sh; dk. gy., v. slty.
<u>Dakota: Sample 9410</u>			
9410	9440	30	Ss; br. ang. f. fr. Sltty (Solid Stain, Fluor., & Excell. Cut).
9440	9500	60	Sltst; gy., shly. (Stained).
9500	9530	30	Ss; br., ang., f., bent. (Solid Stain, Fluor., & Excell. Cut)
<u>Cedar Mountains: Sample 9530</u>			
9530	9550	20	Sh; bk. pyr.
9550	9600	50	Ss; lt. gy. f. bent. (Solid Stain & Gd. Cut).
9600	9650	50	Intbd.; Ss; clear, glassy, hd. & Sh; dk. gy. to bk., pyr.
9650	9665	15	Bentonite, gy., sdy.
<u>Morrison: Sample 9665</u>			
9665	9690	25	Sh; dk. rd. br. & Ss; varicolored, Cherty & Bent; gray.
9690	9700	10	Bentonite; gy., sdy.
9700	9710	10	Sh; pur., bent., gr. gy., varig., sdy.
9710	9730	20	Sltst; gy. shly. & sdy.
9730	9740	10	Ss; milky, med. to cr., ang. (Gd. CCl <sub>4</sub> Cut)
<u>TOTAL DEPTH 9742</u>			(Gave up Gas and Salt Water into hole and stuck pipe.)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Utah  
LAND OFFICE U-04598-A  
LEASE NUMBER Segundo Canyon  
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1961,

Agent's address 366 South 5th East Company ENGLISH OIL COMPANY  
Salt Lake City 2, Utah Signed [Signature]

Phone Davis 2-2583 Agent's title Chief Geologist

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<del>SW 1/4</del> 9	17S	21E	1							Well temporarily shut in pending further testing when weather permits.

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Grand Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for

January, 1962

Agent's address 366 South 5th East Street Company English Oil Company

Salt Lake City 2, Utah Signed M. Darwin Quigley

Phone DAvis 2-2583 Agent's title Chief Geologist

State Lease No. \_\_\_\_\_ Federal Lease No. U-04598A Indian Lease No. \_\_\_\_\_ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW 1/4 SE 1/4 9	17S	21E	<i>Quigley</i>					On October 30, 1961, testing operations were suspended because of a severe snow storm. The weather has prevented the resumption of testing operations to date. Testing will be resumed as soon as weather permits.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

\*STATUS: F-Flowing P-Pumping GL-Gas Lift  
SI-Shut In D-Dead  
GI-Gas Injection TA-Temp. Aban.  
WI-Water Injection

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Grand Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for

February, 1962

Agent's address 366 South 5th East Street Company English Oil Company

Salt Lake City 2, Utah

Signed

*M. Darwin Quigley*  
M. Darwin Quigley

Phone DAvis 2-2583

Agent's title Chief Geologist

State Lease No. \_\_\_\_\_ Federal Lease No. U-04598-A Indian Lease No. \_\_\_\_\_ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW 1/4 SE 1/4 9	17S	21E	1	<i>Segundo Canyon Unit</i>				

All operations in the Uintah Basin are at a standstill. Roads are washed out and the high country (above 7,000 feet) is buried in deep snow. Roads are impassable. Testing operations at Segundo Canyon Unit No. 1 will be resumed as soon as the weather and the roads permit.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

\*STATUS: F-Flowing P-Pumping GL-Gas Lift  
SI-Shut In D-Dead  
GI-Gas Injection TA-Temp. Aban.  
WI-Water Injection

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Grand Field or Lease Wildcat Segundo Canyon Unit

The following is a correct report of operations and production (including drilling and producing wells) for March, 19 62

Agent's address 366 South 5th East Street Company ENGLISH OIL COMPANY

Salt Lake City 2, Utah Signed M. Darwin Ziegler

Phone DAVIS 2-2583 Agent's title Chief Geologist

State Lease No. \_\_\_\_\_ Federal Lease No. 04598-A Indian Lease No. \_\_\_\_\_ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SE Sec. 9	17S	21E	<u>Segundo Canyon Unit</u> #1					<p>The bridges crossing the Green River and the White River are either gone or unsuitable for heavy oil field equipment. No immediate plans are being made by the State, County, or the Indians to replace the bridges. In order to get a swabbing unit on to Segundo Canyon Unit No. 1, a road will have to be constructed up and over the Book Cliffs from the south. English Oil Company and others are making plans for the construction of such a road.</p>

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

\*STATUS: F-Flowing P-Pumping GL-Gas Lift  
SI-Shut In D-Dead  
GI-Gas Injection TA-Temp. Aban.  
WI-Water Injection

FILE IN DUPLICATE

RLL

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Grand Field or Lease Segundo Canyon Unit Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for

April, 1962

Agent's address 366 South 5th East Company ENGLISH OIL COMPANY

Salt Lake City 2, Utah Signed M. Darwin Longley

Phone DAvis 2-2583 Agent's title Chief Geologist

State Lease No. \_\_\_\_\_ Federal Lease No. 04598-A Indian Lease No. \_\_\_\_\_ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SE Sec. 9	17S	21E	<u>Segundo Canyon Unit #1</u>					
<p>The road from U.S. Highway 50 up Westwater, Main, and Hay Canyons is being constructed by Etter Construction Company of Grand Junction, Colorado. It is being paid for by 10 or more of the oil companies. Completion date is expected around May 15, 1962. As soon as the road is completed, a swabbing unit will be moved on to Segundo Canyon Unit No. 1 for the resumption of testing operations.</p>								

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

\*STATUS: F-Flowing P-Pumping GL-Gas Lift  
SI-Shut In D-Dead  
GI-Gas Injection TA-Temp. Aban.  
WI-Water Injection

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Grand Field or Lease Segundo Canyon Unit

The following is a correct report of operations and production (including drilling and producing wells) for

May, 1962.

Agent's address 366 South Fifth East St. Company ENGLISH OIL COMPANY

Salt Lake City, Utah

Signed

*M. Darwin Quigley*  
M. Darwin Quigley

Phone DAVIS 2-2583

Agent's title Chief Geologist

State Lease No. \_\_\_\_\_ Federal Lease No. U-04598A Indian Lease No. \_\_\_\_\_ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SWSE 9	17S	22E	1					The completion of the road up Westwater, Main, and Hay Canyons was delayed beyond May 15th by unforeseen difficulties. It was opened for initial travel on June 5, 1962. On that date testing equipment was moved on to the well site.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

\*STATUS: F-Flowing P-Pumping GL-Gas Lift  
SI-Shut In D-Dead  
GI-Gas Injection TA-Temp. Aban.  
WI-Water Injection

9	

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING  
SALT LAKE CITY 14, UTAH

Fee and Patented.....  
State.....  
Lease No. ....  
Public Domain.....  
Lease No. U-04598A  
Indian.....  
Lease No. ....

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....	Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....	
Notice of Intention to Abandon Well.....	* Subsequent Report of Completion.....	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

\* Refer to Form OGCC-1 dated December 14, 1961. June 25, 1962

*Segundo Canyon Unit*  
Well No. 1 is located 660 ft. from <sup>{N}</sup>/<sub>{S}</sub> line and 1570 ft. from <sup>{E}</sup>/<sub>{W}</sub> line of Sec. 9  
SWSE Sec. 9, T. 17 S., R. 21 E., S.L.  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 8351 feet.

A drilling and plugging bond has been filed with U.S.G.S.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

- June 5, 1962 Road completed. Moved in compressor, booster, & separator.
- June 6, 1962 Rigged up compressor and separator.
- June 7, 1962 Well blew down in 7 hrs. Tested 505 MCFGPD. C.P. 280#, T.P. 125#.
- June 8 & 9, 1962 Testing well.
- June 10, 1962 Flowing well by pressure differential maintained by compressor. C.P. 415#, T.P. 125#. Flowed 18 gals. oil per hour. Flowed 25 gals. water per hour.
- June 11, 1962 Reduced C.P. to 315# and T.P. to 90#. Flowed 21 gals. oil per hour. Flowed 22 gals. water per hour.
- June 12, 1962 C.P. 325#. T.P. 100#. Flowed 27 gals. oil per hour. Flowed 30 gals. water per hour.

(OVER)

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company Pacific Int. Gas & Oil  
ENGLISH OIL COMPANY  
Address 366 South Fifth East  
Salt Lake City 2, Utah  
By M. Darwin Quigley  
Title Chief Geologist

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

DETAILS OF WORK (Continued)

June 13, 1962 Moved off compressor. Waiting on permanent installation to return produced gas to casing and separate oil and water.

Rated Initial Production = 20 BOPD (50 API Gravity)  
and 20 BWPD.

The water is definitely believed to be frac water and is expected to decrease on sustained production.

JUN 27 1962

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER U-04598-A  
UNIT Segundo Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 1962

Agent's address 366 South Fifth East St. Company ENGLISH OIL COMPANY

Salt Lake City 2, Utah Signed M. Darwin Quigley

Phone Davis 2-2583 Agent's title Chief Geologist

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SWSE 9	17S	<del>22E</del> 21E	1							
June 5,	1962									Road completed. Moved in compressor, booster, & separator.
June 6,	1962									Rigged up compressor and separator.
June 7,	1962									Well blew down in 7 hrs. Tested 505 MCFGPD. C.P. 280#, T.P. 125#.
June 8 & 9,	1962									Testing well.
June 10,	1962									Flowing well by pressure differential maintained by compressor. C.P. 415#, T.P. 125#. Flowed 18 gals. oil per hour. Flowed 25 gals. water per hour.
June 11,	1962.									Reduced C.P. to 315# and T.P. to 90#. Flowed 21 gals. oil per hour. Flowed 22 gals. water per hour.
June 12,	1962									C.P. 325#. T.P. 100#. Flowed 27 gals. oil per hour. Flowed 30 gals. water per hour.
June 13,	1962									Moved off compressor. Waiting on permanent installation to return produced gas to casing and separate oil and water.
										Rated initial production = 20 BOPD (50 API Gravity) and 20 BWPD.
										The water is definitely believed to be frac water and is expected to decrease on sustained production. ✓

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold; no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

*PHB*  
7

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Grand Field or Lease Segundo Canyon Unit

The following is a correct report of operations and production (including drilling and producing wells) for  
November 7, 1962.

Agent's address 366 South Fifth East St. Company Pacific Natural Gas Exploration Co.

Salt Lake City 2, Utah Signed J. W. Bloom, Jr.

Phone Davis 2-2583 Agent's title District Landman

State Lease No. \_\_\_\_\_ Federal Lease No. U-04598-A Indian Lease No. \_\_\_\_\_ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW 1/4 SE 1/4 Sec. 9	17S	22E 21	1	Pumping	-	-	-	
July 30, 1962								Installed production equipment.
August 1, 1962								Top of fluid at 3500'. Swabbed 100% water with no oil.
August 2, 1962								Swabbed 25% oil and 75% water - suspect hole in casing.
August 13, 1962								Set 5 1/2" packer at 6538'. Pressured up to 1950 psig.
August 15, 1962								Set 8-5/8" packer at 5511'. Found leaks between 4373' and 4405'.
August 16, 1962								Set full bore packer at 2447' and squeezed with 150 sacs cement at 3000 psig at end of job.
August 17, 1962								Drilled out cement to top of bridge plug (5511'). Pressured up to 1500 psig. Cement job okay.
August 28, 1962								Casing pressure 275 psi. Fluid fillup to 5000' in 2 hours. Swabs down in three runs of swab to 6,000'. Mostly water with from 5 to 10% oil. Well will flow 45 minutes after swabbing down.
August 30, 1962								Moved in compressor. Flowed 3 hours then died. Casing pressure 360. Tubing pressure 55.
September 5, 1962								Unable to produce well with compressor. Will set pumping unit.
October 28, 1962								Put on pump. Made 100% water.
October 29, 1962								Pumped 100% oil - estimated at 15 barrels in 20 hours.
November 5, 1962								In three day test pumped at the rate of 7 BOPD and 25 BWPD.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

\*STATUS: F-Flowing P-Pumping GL-Gas Lift  
SI-Shut In D-Dead  
GI-Gas Injection TA-Temp. Aban.  
WI-Water Injection

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.

U-04598-4

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

(not applicable)

7. UNIT AGREEMENT NAME

Segundo Canyon

8. FARM OR LEASE NAME

(not applicable)

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

SW SE Sec. 9

T17S, R21E

12. COUNTY OR PARISH

Grand

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

Southern Union Production Company

3. ADDRESS OF OPERATOR

Box 808, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)

At surface

660' fSL and 1570' fEL, Sec. 9, T17S, R21E

14. PERMIT NO.

(not applicable)

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

8351' DF

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Suspension</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.)\*

1. Pumping operations have been suspended due to sub-commercial production.
2. The rods and tubing have been removed from the well bore, and surface production equipment has been removed from the well-site.
3. Cumulative oil production amounted to 734.02 barrels.
4. We are considering redrilling the well to the Dakota-Cedar Mountain section from a point above the present productive interval.
5. Such redrilling operations, if undertaken, will be commenced when weather conditions permit.
6. If appropriate, a Notice of Intention to Redrill will be filed with your office prior to commencing operations.

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

SIGNED R. D. Geddes  
R. D. Geddes

TITLE Petroleum Engineer

DATE 1-24-64

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

January 24, 1964

Pacific Natural Gas Exploration Company  
Fidelity Union Tower Building  
Dallas 1, Texas

Re: Well No. Segundo Canyon Unit #1  
Sec. 9, T. 17 S., R. 21 E.,  
Grand County, Utah

Gentlemen:

We are in receipt of your "Lessee's Monthly Report of Operations" for the above mentioned well where you give the status of this well as being abandoned. Has this well been plugged or just temporarily abandoned.

Thank you for your consideration in furnishing us with the information requested.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK  
RECORDS CLERK

cnp

*copy file*

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

Form approved.  
Budget Bureau No. 42-R1425.

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

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK  Re-enter and Complete  **DRILL**  **DEEPEN**  **PLUG BACK**

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

2. NAME OF OPERATOR  
Pacific Natural Gas Exploration Company

3. ADDRESS OF OPERATOR  
P. O. Box 2436, Salt Lake City, Utah 84110

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface 660' FSL & 1570' FEL, Sec 9, T 17S, R 21E  
 At proposed prod. zone

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

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

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
8351 D.F.

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

19. PROPOSED DEPTH  
OTD 9742'

20. ROTARY OR CABLE TOOLS  
Rotary

5. LEASE DESIGNATION AND SERIAL NO.  
Utah 04598A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Segundo Canyon

8. FARM OR LEASE NAME

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 9, T 17S, R 21E

12. COUNTY OR PARISH  
SLM

13. STATE  
Utah

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
18"	13-3/8"	48	284	300 Sacks
11"	8-5/8"	32 & 36	6344	525 Sacks (50-50 Poz) & 12-1/2 Gilsonite Per Sack
7-5/8"	5-1/2"		6104' to 6899'	Followed by 50 Sacks Neat. 225 Sacks 50-50 Poz 12-1/2# Gilsonite per Sack.

It is now proposed to test the Castlegate as follows:

1. Set a cast iron bridge plug in the 8-5/8" casing at approx. 5800'.
2. Cut notch in casing at approx. 5670' and frac with 50,000 gallons of water, 75,000# of sand and 220 barrels of liquid CO<sub>2</sub>.
3. Test well for production.

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 B. H. Means B. H. Means TITLE Completion Engineer DATE 8/3/64

(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

August 5, 1964

Pacific Natural Gas Exploration Co.  
P. O. Box 2436  
Salt Lake City, Utah 84110

Attention: B. H. Means, Completion Engineer

Re: Notice of Intention to Re-enter &  
Complete Well No. SEGUNDO CANYON UNIT #1,  
660' NSL & 1570' FEL, SW SE of Section 9,  
T. 17 S., R. 21 E., SLBM, Grand County,  
Utah

Gentlemen:

Insofar as this office is concerned, approval to re-enter is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer  
Office: DA 8-5771 or DA 8-5772  
Home: CR 7-2890 - Salt Lake City, Utah

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

**OIL & GAS CONSERVATION COMMISSION**

**CLEON B. FREIGHT**  
EXECUTIVE DIRECTOR

CBF:cfm

cc: Rodney Smith, Dist. Eng., U. S. Geological Survey, Salt Lake City, Utah  
H. L. Coonts, Pat. Eng., Oil & Gas Conservation Commission, Moab, Utah

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 04598A

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  Dry Hole

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR

Pacific Natural Gas Exploration Company

8. FARM OR LEASE NAME

Segundo Canyon

3. ADDRESS OF OPERATOR

P. O. Box 2436, Salt Lake City, Utah 84110

9. WELL NO.

1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

10. FIELD AND POOL, OR WILDCAT

Wildcat

660' FSL, 1570' FEL, Sec 9, T 17S, R 21E, SLM

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

Sec 9, T 17S, R 21E

SLM

14. PERMIT NO.

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

12. COUNTY OR PARISH

Grand

13. STATE

Utah

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(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.)\*

1. Set cast iron bridge plug at 5790'.
2. Perforated four .64" holes at 5660' (80 gram McCullough glass jets).
3. Ran 174 joints 4-1/2" 11.6# N-80 casing with RTTS packer and landed at 5609' RKB.
4. Pumped in 3 barrels/minute at 4800#.
5. Perforated 1 hole/foot from 5650' to 5670', 80 gram formation jets.
6. Ran 174 joints 4-1/2" 11.6# N-80 casing with RTTS packer and landed at 5607' RKB. Pumped in 500 gallons acid. Maximum pressure 3800#, minimum pressure 2900#, maximum rate 7-1/2 barrels/minute.
7. Fraced with 1145 barrels of water of which 100 barrels was flush, 23 tons liquid CO<sub>2</sub>, 20,000# 10-20 sand, 32,000# 20-40 sand. Pumped in @ 3600#. Average 3300#, maximum 3600#. Average injection rate 22 barrels/minute. Shut-in 1300#, 1100# in 4-1/2 minutes. Flowing back and testing 8/30/64.

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

SIGNED B. H. Means B. H. Means

TITLE Completion Engineer

DATE 9-8-64

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

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 04598A

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

Dry Hole

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR

Pacific Natural Gas Exploration Company

8. FARM OR LEASE NAME

Segundo Canyon

3. ADDRESS OF OPERATOR

P. O. Box 2436, Salt Lake City, Utah 84110

9. WELL NO.

1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface

660' FSL, 1570' FEL, Sec 9, T 17S, R 21E, SLM

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec 9, T 17S, R 21E  
SLM

14. PERMIT NO.

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

12. COUNTY OR PARISH 13. STATE

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(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.)\*

\* Propose to plug and abandon as follows:

1. Set cast iron retainer at approximately 5607' and squeeze perforations 5650' to 5670' with 50 sacks regular cement.
2. Perforate 4 holes at 2125', set cast iron retainer at approximately 2060' and squeeze 100 sacks out perforations.
3. Squeeze 50 sacks cement between surface pipe and 8-5/8" casing.
4. Place 10 sack plug in 8-5/8" casing at surface.
5. Install dry hole marker.

\* Verbal approval to plug in this manner received from Mr. Rod Smith September 4, 1964.

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

SIGNED B. H. Means B. H. Means

TITLE Completion Engineer

DATE 9-8-64

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

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 04598A

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

Dry Hole

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR

Pacific Natural Gas Exploration Company

8. FARM OR LEASE NAME

Segundo Canyon

3. ADDRESS OF OPERATOR

P. O. Box 2436, Salt Lake City, Utah 84110

9. WELL NO.

1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

10. FIELD AND POOL, OR WILDCAT

Wildcat

660' FSL & 1570' FEL, Sec 9, T 17S, R 21E, SLM

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

Sec 9, T 17S, R 21E  
SLM

14. PERMIT NO.

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

8351 D.F.

12. COUNTY OR PARISH

Grand

13. STATE

Utah

16.

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

NOTICE OF INTENTION TO:

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)

(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.)\*

1. Set cement retainer at 5606', squeezed perforations from 5650' to 2670' with 60 sacks regular cement. Maximum pressure 3800#.
2. Perforated 4 holes at 2125', set cement retainer at 2011' and squeezed perforations at 2125' with 100 sacks regular cement. Maximum pressure 1800#.
3. Squeezed 50 sacks between surface and 8-5/8" casing. Maximum pressure 2000#.
4. Put 10 sack cement plug at surface and installed dry hole marker. Plugged and abandoned 9/6/64.

*Casing was not pulled.*

*Report always made if casing was pulled.*

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

SIGNED B. H. Means

TITLE Completion Engineer

DATE 9-8-64

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side