

Note: the General Band title you had put in to  
England Oil Co. wells in Kansas Title held by  
Piper Natural Gas Exploration Company who own  
the interest in these wells

FILE NOTATIONS

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

Checked by Chief RLH  
 Copy NID to Field Office \_\_\_\_\_  
 Approval Letter \_\_\_\_\_  
 Disapproval Letter \_\_\_\_\_

COMPLETION DATA:

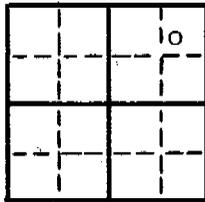
Date Well Completed 4-29-62  
 OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_  
 GW \_\_\_\_\_ OS \_\_\_\_\_ PA ✓

Location Inspected \_\_\_\_\_  
 Bond released \_\_\_\_\_  
 State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log 5-11-62  
 Electric Logs (No. ) 3

E \_\_\_\_\_ I ✓ E-I \_\_\_\_\_ GR ✓ GR-N \_\_\_\_\_ Micro \_\_\_\_\_  
 Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others Formation Density Log



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

Fee and Patented.....  
State .....  
Lease No. ....  
Public Domain .....  
Lease No. ....  
Indian .....  
Lease No. ....

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.....	<input type="checkbox"/>	Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....	<input type="checkbox"/>	Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....	<input type="checkbox"/>	Supplementary Well History.....	
Notice of Intention to Abandon Well.....	<input type="checkbox"/>		

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

March 20, 19 62

\* Well No. 41-21 Barton is located 880 ft. from {N} line and 650 ft. from {E} line of Sec. 21  
NE 1/4 NE 1/4 Sec. 21 T. 20 S. R. 7 E. S. L.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Ferron Emery Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5924 feet. (Same as ground elevation)

A drilling and plugging bond has been filed with State Conservation Commission

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.)

1. Drill 10-5/8" surface hole with air and set 150' of 7-5/8" casing with 50 sacs.
2. Drill additional 900' of 6-3/4" hole below surface casing with air, thru the Ferron Sandstone into the Tununk Shale.  
Top Ferron 825'  
Top Tununk 1025'
3. After logging, set 4-1/2" casing to total depth with 100 sacs.
4. Perforate in the gas-bearing sandstone intervals, frac, and test.
5. Complete, if testing indicates commercial volumes of gas.

\* Drilling Unit #24

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

Company ENGLISH OIL COMPANY

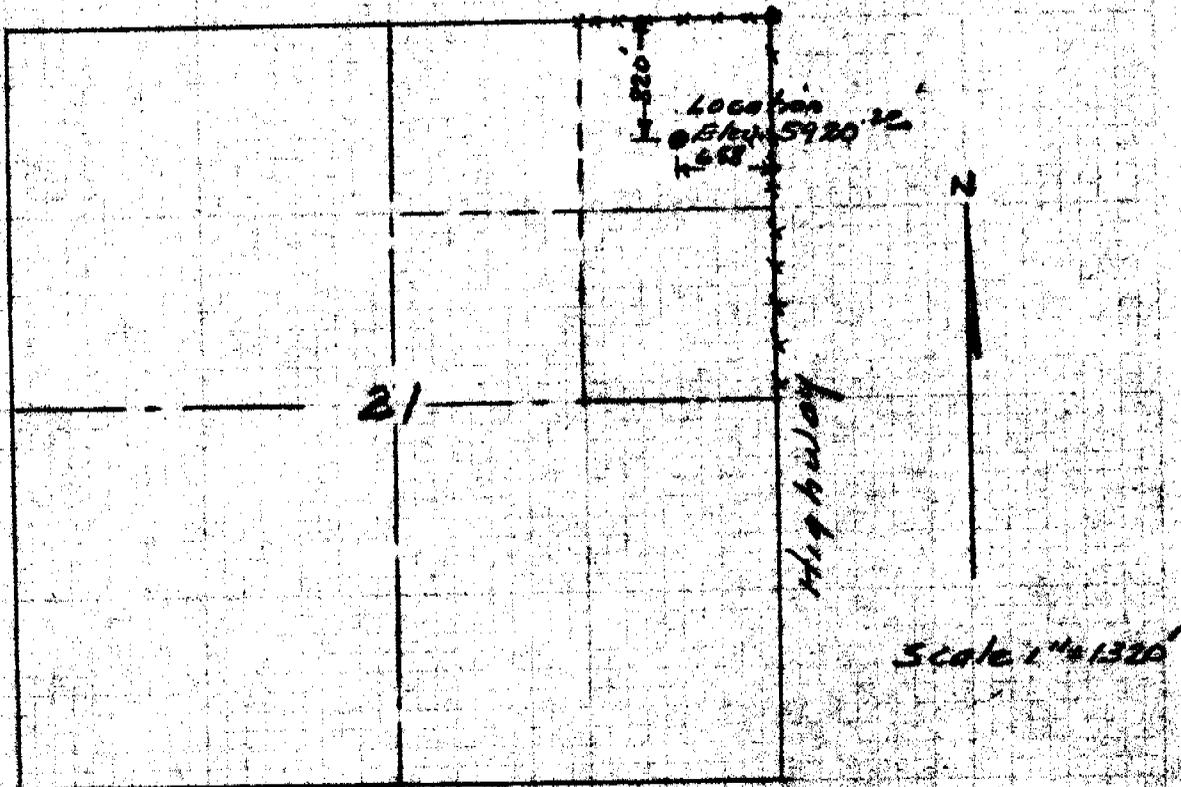
Address 366 South Fifth East Street By M. Darwin Quigley

Salt Lake City 2, Utah 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.

ENGLISH Oil Co.

Section 21, T20S, R20E, S. 11M.



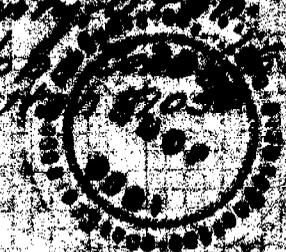
41-21. Barton.

ENGINEER'S CERTIFICATE

JOHN BENE, a licensed Civil Engineer and Land Surveyor, hereby certifies that between the 24th day of March and 29th day of March, 1962, he surveyed in the above location, and prepared the plat from his field notes, and to the best of his knowledge the plat is correctly drawn.

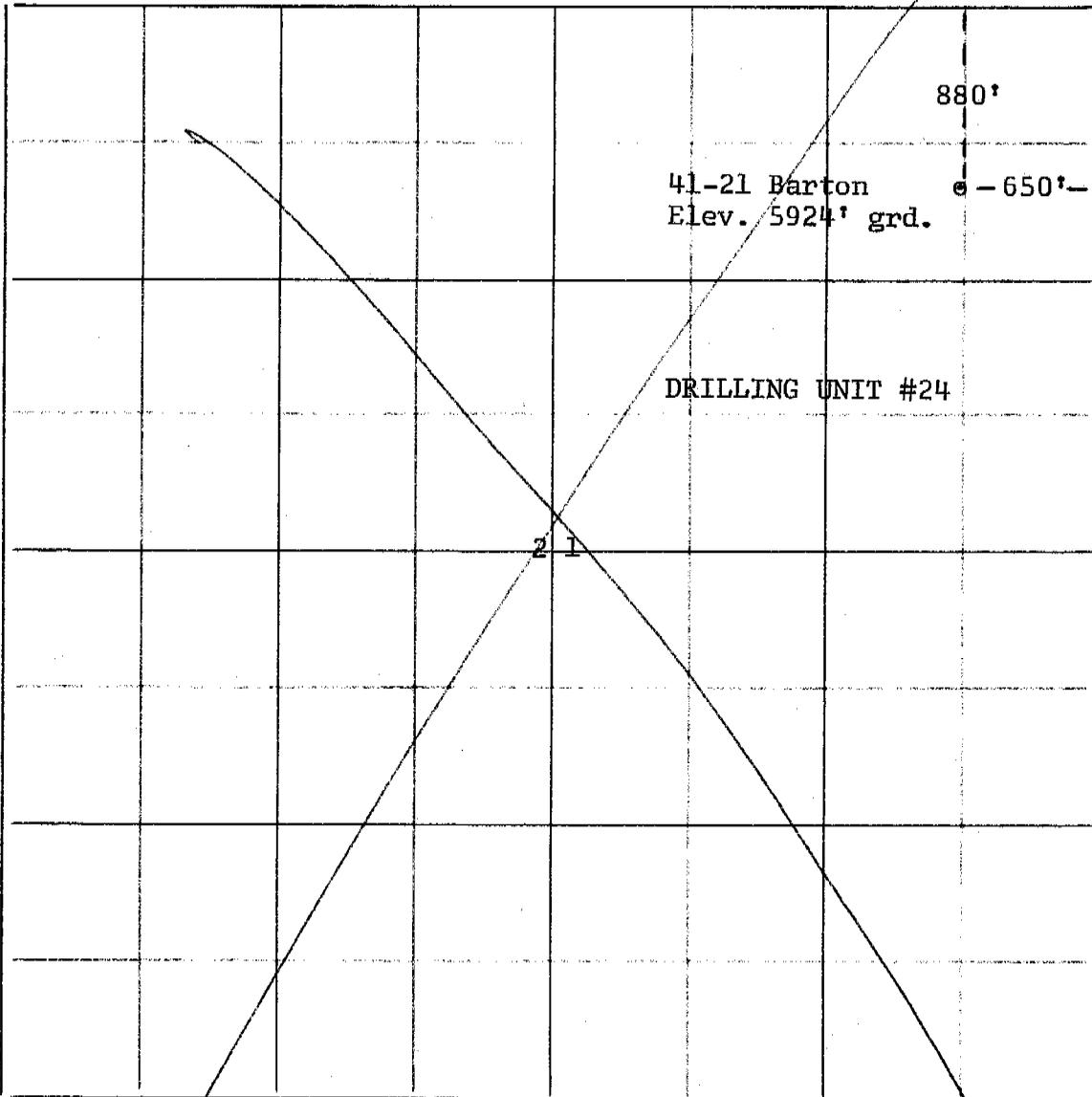
*John Bene*  
John Bene  
State License #2050  
3/29/62

ENGLISH Oil Co.  
Location. NW 1/4 Sec. 21-20-20.  
Emery County, Utah  
Survey by John Bene  
9/27/62.



Township No. 20 S.

Range No. 7 E.



Meridian Line, S.L.

Base Line,

Standard Line,

Township Lines,

Section Line,

Meander Lines,

Office Work,

Ranch Lines Re-Survey,

The location was selected so as to not interfere with fields under cultivation.

March 21, 1962

English Oil Company  
346 South 5th East  
Salt Lake City, Utah

Attn: M. Darwin Quigley, Chief Geologist

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Barton #41-21, which is to be located 880 feet from the north line and 650 feet from the east line of Section 21, Township 20 South, Range 7 East, SLER, Emery County, Utah.

Please be advised that approval to drill said well is hereby granted in accordance with Drilling Unit #24 established in the Order issued for Cause No. 7, on December 13, 1957. However, said approval is conditional upon a bond being filed with this Commission prior to the well being spudded in.

This approval terminated within 90 days if the above mentioned well has not been spudded in within said period.

Please take note that should it be necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

G. B. WRIGHT, Executive Director  
Office Phone: DA 8-5771 or DA 8-5772  
Home Phone: HW 5-2721

ROBERT L. SCHMIDT, Chief Petroleum Engineer  
Office Phone: DA 8-5771 or DA 8-5772  
Home Phone: AM 6-8616

English Oil Company  
Attn: M. Darwin Quigley, Chief Geologist

March 21, 1962  
Page Two

Address all other forms of communication to the Utah State Oil  
and Gas Conservation Commission, 310 Newhouse Building, Salt Lake City,  
Utah.

Please have the enclosed "Minimum Safety Requirements" notice  
posted in a conspicuous place on the drilling location.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

GLENN B. FRIGHT,  
EXECUTIVE DIRECTOR

GRF:kpb  
Enclosure

cc: H. L. Coats - OGGC, Moab

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

Fee and Patented.....  
 State .....  
 Lease No. ....  
 Public Domain .....  
 Lease No. ....  
 Indian .....  
 Lease No. ....

**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 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.....			

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

(REVISED)..... March 29, ....., 19 62.

\* Well No. 41-21 Barton is located 820 ft. from {N} line and 658 ft. from {E} line of Sec. 21  
NE 1/4 Sec. 21 T. 20 S. R. 7 E. S. 1.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Ferron Emery Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5920.20 feet. (Same as ground elevation)

A drilling and plugging bond has been filed with State Conservation Commission

**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.)

1. Drill 10-5/8" surface hole with air and set 150' of 7-5/8" casing with 50 sacs.
2. Drill additional 900' of 6-3/4" hole below surface casing with air, thru the Ferron Sandstone into the Tunnunk Shale.  
 Top Ferron 825'  
 Top Tunnunk 1025'
3. After logging, set 4-1/2" casing to total depth with 100 sacs.
4. Perforate in the gas-bearing sandstone intervals, frac, and test.
5. Complete, if testing indicates commercial volumes of gas.

\* Drilling Unit #24

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

Company..... ENGLISH OIL COMPANY

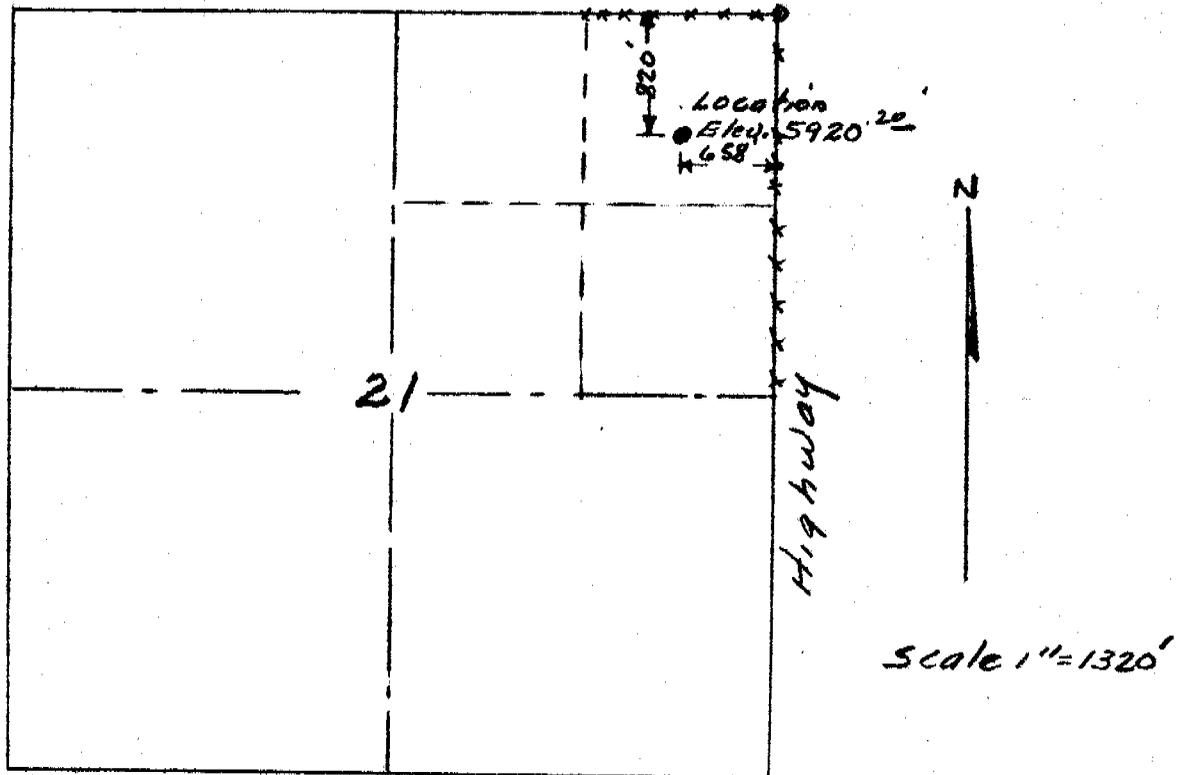
Address..... 366 South Fifth East Street  
 Salt Lake City 2, Utah

By..... *Robert A. Patterson*  
 Robert A. Patterson  
 Title..... Chief Landman

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.

ENGLISH OIL Co.

Section 21, T 20 S, R 20 E. S. 4 M.



41-21. Barton.

ENGINEER'S CERTIFICATE

JOHN BENE, a licensed Civil Engineer and Land Surveyor, hereby certifies that between the 24th day of March and 29th day of March, 1962, he surveyed in the above location, and prepared the plat from his field notes; and to the best of his knowledge the plat is correctly drawn.

*John Bene*  
John Bene  
Utah License #1050  
3/29/62

ENGLISH OIL Co.  
Location. NE 1/4 NE 1/4 Sec. 21-20-20.  
Emery County, Utah.  
Survey by John Bene  
Utah #1050  
3/27/62.



April 5, 1962

English Oil Company  
366 South 5th East  
Salt Lake City, Utah

Attn: Robert A. Patterson, Chief Landman

Gentlemen:

This is to acknowledge receipt of your revised notice of intention to drill Well No. Barton #41-21, which is to be located 820 feet from the north line and 638 feet from the east line of Section 21, Township 20 South, Range 7 East. SLM, Emery County, Utah.

Please be advised that approval to drill said well is hereby granted in accordance with Drilling Unit #24 established in the Order issued for Cause No. 7, on December 13, 1957.

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

Please take note that should it be necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

C. B. FREIGHT, Executive Director  
Office Phone: DA 8-5771 or DA 8-5772  
Home Phone: HU 5-2721

ROBERT L. SCHMIDT, Chief Petroleum Engineer  
Office Phone: DA 8-5771 or DA 8-5772  
Home Phone: AM 6-8616

English Oil Company  
Attn: Robert A. Patterson, Chief Landman

April 5, 1962  
Page Two

Address all other forms of communication to the Utah State Oil and Gas Conservation Commission, 310 Newhouse Building, Salt Lake City, Utah.

Please have the enclosed "Minimum Safety Requirements" notice posted in a conspicuous place on the drilling location.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,  
EXECUTIVE DIRECTOR

CBF:kb  
Enclosure

cc: H. L. Coenta - OGCC, Moab

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R.S.

**PACIFIC NATURAL GAS EXPLORATION COMPANY**

720 WEST EIGHTH STREET  
LOS ANGELES 17, CALIFORNIA

H. L. BOSSHARD  
TREASURER AND  
ASSISTANT SECRETARY

April 12, 1962

**Mr. Don F. Russell**  
U. S. Department of the Interior  
Geological Survey  
Branch of Oil and Gas Operations  
445 Federal Building  
Salt Lake City 1, Utah

**Mr. Allen B. Feight**  
Oil and Gas Conservation Commission  
318 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

**Mr. Max Gardner**  
Utah State Land Board  
Capitol Building  
Salt Lake City 1, Utah

**Gentlemen:**

As of February 28, 1962, Pacific Natural Gas Exploration Company and English Oil Company entered into a farmout agreement covering the drilling of certain wells by Pacific on English's acreage in the Ferron Field area, Emery County, Utah.

It is the intent and agreement of the parties to this farmout that Pacific is the interested and responsible party in the drilling of said wells, and English is only acting as Pacific's agent in supervising the drilling of the wells.

Yours very truly,

*H. L. Bosshard*

HLB:rb

cc: Mr. R. A. Patterson

ROSS

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

Fee and Patented.....  
 State .....  
 Lease No. ....  
 Public Domain .....  
 Lease No. ....  
 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.....		Report of Abandonment.....	X

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

May 7, 1962

Well No. 41-21 is located .820 ft. from {N} line and .658 ft. from {E} line of Sec. 21  
Barton  
NE1/4 T. 20 S. R. 7 E. S. 1/4  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Ferron Emery Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5928 feet.

A drilling and plugging bond has been filed with State Oil & Gas Conservation Commission.

#### 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.)

Plugging and Abandonment operations carried out in accordance with approval obtained by telephone conversation from Robert L. Schmidt on April 29, 1962.

- Set bottom hole plug across Ferron Sandstone from 775 to 1048' with 60 sacs.
- Filled hole from 175 to 775' with 27 barrels thick mud.
- Set casing plug from 135 to 175' with 10 sacs.
- Erected surface marker as directed.

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

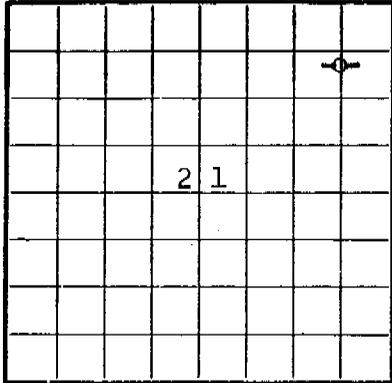
Company ENGLISH OIL COMPANY  
 Address 366 South 5th East  
Salt Lake City 2, Utah

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.

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

Salt Lake City, Utah



LOCATE WELL CORRECTLY

To be kept Confidential until August 1, 1962  
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

Operating Company English Oil Co. Address 366 South 5th E., Salt Lake City, Utah  
Lease or Tract Barton Field Ferron State Utah  
Well No. 41-21 Sec. 21 T. 20 R. 7E Meridian S.L. County Emery  
Location 820 ft. S. of N. Line and 658 ft. W. of E. Line of Sec. 21 Elevation 5928 <sup>†</sup>  
(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.

Date May 7, 1962 Signed M. Darwin Quigley Title Chief Geologist

The summary on this page is for the condition of the well at above date.

Commenced drilling April 23, 1962 Finished drilling April 29, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ 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--	
7-5/8	26	8 rd	J-55	147'	None	--			Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
6-3/4	775-1048	60 sacs	Halliburton		
6-3/4	175-775		"		27 bbls thick mud
6-3/4	135-175	10 sacs	"	Plus surface Mkr.	

PLUGS AND ADAPTERS

MARK

DLD

Adaptors—Material ..... Size .....

**SHOOTING RECORD**

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

**TOOLS USED**

Rotary tools were used from Surface feet to T.D. 1048' feet, and from ..... feet to ..... feet  
 Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

**DATES**

Date P & A April 29, 1962 Put to producing ..... 19.....

The production for the first 24 hours was ..... barrels of fluid of which .....% was oil; .....% emulsion; .....% water; and .....% sediment. Gravity, °Bé. ....

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. ....

**EMPLOYEES**

Bob Reed ..... Driller Joe Elliott ..... Driller  
 George Chesney ..... Driller ..... Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
			At the end of complete Driller's Log add Geologic Tops. State whether from Electric Logs or samples.
Surface	300'	300'	No samples
300'	790'	490'	Sh; dk gy to bl gy, platy, cal.
790'	830'	40'	Sh; gy, cal, becomes sl slty.
830'	856'	26'	Slst; gy, shly, cal, pyr.
<u>Top Ferron 856' (Schlumberger)</u>			
856'	920'	64'	Ss; lt gy to transl, f, tite, ang, shaly, and bent, no p. & p., coally at bottom.
920'	935'	15'	Sh; gy, slty & coal, bk, shiny.
935'	947'	12'	Ss; br gy, dirty, slty, f. tite.
947'	952'	5'	Bentonite; gy to chalky.
952'	985'	33'	Ss; br gy, dirty, slty, f, tite, salty.
985'	1005'	20'	Slst; dirty gy, shaly.
<u>Top Tunnunk 1005' (Schlumberger)</u>			
1005	1048 TD	43'	Sh; gy to bk, pyr, marine.

[OVER]

### HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

State whether electric logs were run.

4/23 to 4/29/62

Spudded, drilled 11" surface hole to 165', set 7-5/8" surface casing at 150' with 135 sacs, drilled 6-3/4" hole to 1048' total depth, ran logs, and plugged hole with 70 sacs.

Ran Induction-Gamma, and Formation-Density logs.

MAY 14 1962