

FILE NOTATIONS

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

Checked by Chief RLS
 Copy NID to Field Office ✓
 Approval Letter ✓
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 12-1-60
 OW _____ WW _____ TA _____
 GW ✓ OS _____ PA _____

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log 12-9-60
 Electric Logs (No.) 4
 E _____ I _____ E-I ✓ GR _____ GR-N _____ Micro ✓
 Lat _____ Mi-L _____ Sonic _____ Others _____

Surf. Depth
Control
Sample taken
Casing Collar
Ref.

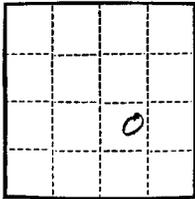
Land Office **SALT LAKE**

Lease No. **U-026**

Unit **BRYSON CANYON**

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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 25

1960

Well No. **6-A** is located **1105'** ft. ~~xxx~~ ^(N) from S. line ~~xxx~~ West ~~xxx~~ from East line
~~xxx~~ line and **1522'** ft. ~~xxx~~ line of sec. ~~xxx~~
NE 1/4 SW 1/4 SE 1/4 Sec. **9** **17 South 24 East** **SL&M**
(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 **5907'** 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)

Intend to drill thru the Castlegate ss plus 100' into Mancos at approximately 880'. Run 8-5/8" casing and cement to surface. Air drill to the Entrada if possible then mud up and complete if productive. Estimated tops: Buck Tongue 500'; Castlegate 770'; KDS 4230'; KD 4320'; KCM 4422'; Morrison 4480'; Entrada 5080'

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

Company **TREND OIL COMPANY, Operator**
412 Statler Center, 900 Wilshire Blvd.
Address **Los Angeles 17, California**

By
H.W. Dougherty
Title **President**

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: **Salt Lake City, Utah**
SERIAL NO.: **UTAH 026 - Book Cliffs Oil and Gas Company**

and hereby designates

NAME: **TREND OIL COMPANY, Operator**
ADDRESS: **412 Statler Center, 900 Wilshire Blvd.
Los Angeles 17, California**

as his operator and agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 17 South, Range 24 East, 51M, Utah
Section 8 E1/2SW1/4, E1/2

Section 9 all 1200 acres
Grand County, Utah
Section 17 NE1/4

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

BOOK CLIFFS OIL AND GAS COMPANY

By  **President**
(Signature of lessee)

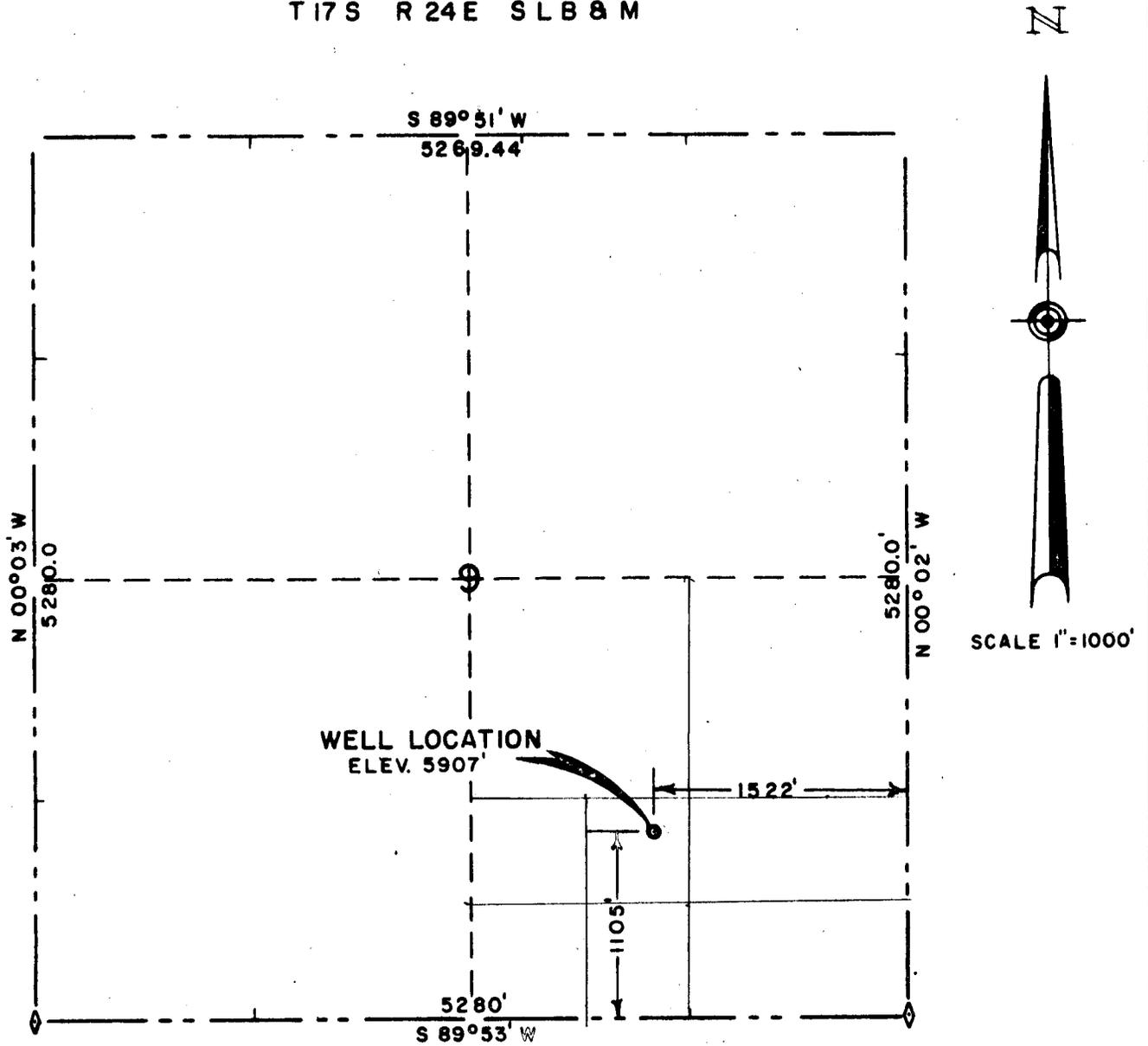
**412 Statler Center, 900 Wilshire Blvd.
Los Angeles 17, California**

.....
10/25/60
(Date)

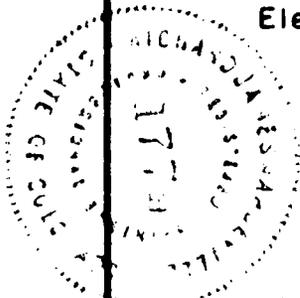
.....
(Address)

WELL LOCATION

SE 1/4 SECTION 9
T17S R24E SLB&M



Elevation referred to USGS datum.



I, Richard J. Mandeville do hereby certify that this plat was plotted from notes of a field survey made under my supervision on

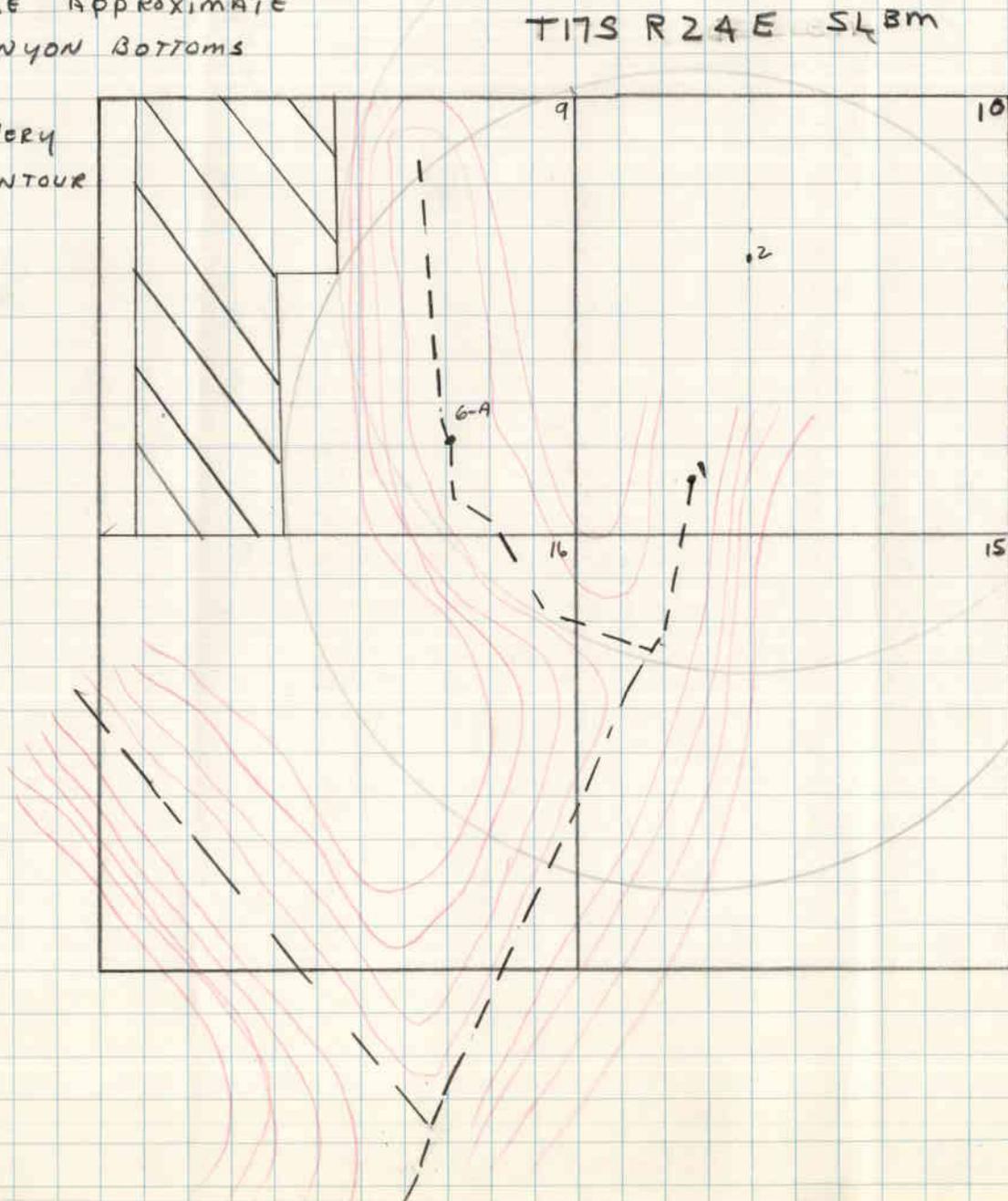
Richard J. Mandeville
Registered Engineer & Land Surveyor

WESTERN ENGINEERS	
WELL LOCATION	
BOOK CLIFFS OIL AND GAS CO.	
BRYSON CANYON NO. 6A	
GRAND COUNTY, UTAH	
SURVEYED	<i>G.J.P.</i>
DRAWN	<i>F.B.C.</i>
Grand Junction, Colo. 10/6/60	

① CROSSHATCHED AREA IS AREA IN QUESTION FOR POSSIBLE LOCATION, IN Sec 9

② DASHED LINES ARE APPROXIMATE LOCATION OF CANYON BOTTOMS

③ RED LINES ARE VERY ROUGH GENERAL CONTOUR LINES.



November 3, 1960

Trend Oil Company
412 Statler Center
900 Wilshire Blvd.
Los Angeles 17, Calif.

Attention: H. W. Dougherty, President

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Bryson Canyon Unit #6-A, which is to be located 1105 feet from the south line and 1522 feet from the east line of Section 9, Township 17 South, Range 24 East, S1M, Grand County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well on said unorthodox location is hereby granted under Rule 3-3 (c), General Rules and Regulations and Rules of Practice and Procedure, Oil and Gas Conservation Commission, State of Utah. However, this approval is subject to the following conditions:

1. The well may be perforated and/or completed only in the Entrada Formation.

2. The production string must be set below the base of the Salt Wash and must be cemented in such a manner and with a sufficient amount of cement to effectively isolate the Dakota, Cedar Mountain, Brushy Basin and Salt Wash Formations from one another and from the Entrada Formation.

3. This office must be notified at least 12 hours in advance before the production casing is run and before any interval is perforated so that a Commission representative may be present during these operations. You may contact either of the following:

Trend Oil Company
Attn: H. W. Dougherty

November 3, 1960
Page -2-

C. B. FREIGHT, Executive Secretary
Office Phone: DA 8-0701 or DA 2-4721, Ext. 438
Home Phone: HU 5-2721

ROBERT L. SCHMIDT, Chief Petroleum Engineer
Office Phone: DA 8-0701 or DA 2-4721, Ext. 438
Home Phone: AM 6-8616

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

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT,
EXECUTIVE SECRETARY

CBF:awg

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

Mr. C. D. Jones

H. L. Counts - OCCC, Hoab

TREND OIL COMPANY
~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~
412 Statler Center
900 Wilshire Blvd.
Los Angeles 17, Calif.

November ,1960

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

Attention: Mr. Cleon B. Feight

Gentlemen:

We received your approval to drill our No. 6-A well located 1105' from the South line and 1522' from the East line of Section 9, Township 17 South, Range 24 East, SLM, Grand County, Utah with certain conditions and restrictions.

We now respectfully request that we be permitted to perforate and test all possible producing zones encountered in this well as required by the regulations of the U.S.G.S. We will then fill the hole with crude oil to protect all the producing zones and horizons and not produce the well until our pending Unit Plan has been approved.

This will remove the danger of permanently mudding off these producing horizons, and will enable us to complete this expensive work with the present rig installation, and only require moderately expensive swabbing unit to complete the well.

You are aware, of course, that all the Zones in this area, with the exception of the Entrada formation are lenticular in nature, and have no common reservoir nor communication between wells, a fact that should be considered in view of your spacing program.

The restrictions in your Permit would involve grave danger of permanently mudding off these lenticular zones and are not in the interest of conservation, waste prevention or any accepted oil field practice, and insistence on them is unreasonable, unjust, arbitrary, capricious, and violates our constitutional rights.

We, therefore, respectfully request that your restrictions be modified so we may be permitted to properly test these zones, in which the State of Utah has an interest, with a view of proper conservation and waste prevention, and accepted oil field practices for the protection of these valuable gas zones.

Sincerely,

There are no adverse interest 

November 15, 1960

Trend Oil Company
412 Statler Center
900 Wilshire Boulevard
Los Angeles 17, California

Gentlemen:

We are in receipt of Mr. C. D. Jones' letter of November, 1960, requesting permission to perforate all producing zones encountered in your Well No. 6-A, located 1105 feet from the south line and 1522 feet from the east line of Section 9, Township 17 South, Range 24 East, SLBM, Grand County, Utah.

As we have informed you several times in the past, this Commission does not have the authority to grant you the above requested permission without notice and hearing (Rule C-3, General Rules and Regulations and Rules of Practice and Procedure, State of Utah, Oil and Gas Conservation Commission). Therefore, your letter request to perforate the other zones in this well as you propose is denied. As we have also previously advised you, if you desire to request exceptions to this rule, or request special rules for this area, we will be happy to give notice and set such hearing at the earliest practicable date, following your request for such hearing.

Incidentally, we have not received the Monthly Report of Operations and Well Status Report (Form OGCC-4) for the month of September, 1960, for your Bryson Canyon Unit Well No. 1 and Well No. 2, nor the October, 1960, report for Wells No. 1, 2, and 5-A. These reports should include data on perforation intervals. Rule C-22 requires that these reports be filed on or before the sixteenth (16th) day of the succeeding month. If we have not received the reports by November 23, 1960, we will request that the Attorney General of the State of Utah take such action as necessary to insure our receipt of said reports. Until such reports are filed, we cannot approve your applications for additional wells in this area. We are enclosing copies of Form OGCC-4.

Yours very truly,
OIL & GAS CONSERVATION COMMISSION

ROBERT L. SCHMIDT
CHIEF ENGINEER

RLS:co
cc: U.S.G.S.- SLC
Mr. C. D. Jones
O.G.C.C. - Moab

GRAHAM S. CAMPBELL
GEOLOGIST
~~1102 CONTINENTAL BANK BUILDING~~
SALT LAKE CITY, UTAH
TELEPHONE ELGIN 5-8256
380 Empire Building

November 17, 1960

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

Attention: Mr. Cleon B. Feight

Re: Well Spacing In Lenticular Gas Reservoirs,
Book Cliffs Area - Grand County, Utah

Gentlemen:

Reference is made to townships 16 and 17 south, ranges 22 through 26 east, in northeastern Grand County, Utah. The area includes the Diamond Ridge, Westwater, Bryson Canyon, State Line, San Arroyo, and Bar-X gas fields or units. Productive sands, in descending order, include the Castlegate, upper Dakota, lower Dakota (Cedar Mountain), upper Morrison (Brushy Basin), lower Morrison (Salt Wash) and the Entrada. With the exception of the Castlegate and Entrada, all the sands in question are lenticular, that is, with definite limits of lateral, as well as vertical extent. The sands vary in dimension from a half mile to perhaps $1\frac{1}{2}$ miles in length and/or breadth. Exact delineation would be possible only with extreme density of drilling. It follows that any step-out well of a half mile or more will find different sand positions than those in the nearest well.

The foregoing is intended to clarify the background for the comments to follow. The facts and physical conditions described thus far, are clearly demonstrable and, to the writer's knowledge, undisputed.

With regard to the spacing of wells to produce gas from the lenticular sands described, it is opined that 160 acre units would effect maximum ultimate recovery. 640 acre spacing will miss an appreciable part of available reserves. Somewhere between 160 and 640 acres there is an optimum point which will result in maximum recovery per exploratory dollar. By the time ideal spacing can be determined, it may be too late to enforce it. The writer has and does prefer 360 acre spacing with the natural assumption that all lenses will be produced from all wells.

It would be overtly unscientific and contrary to the original intent of conservation control to apply spacing regulations designed for blanket sand conditions in an area of established lenticularity.

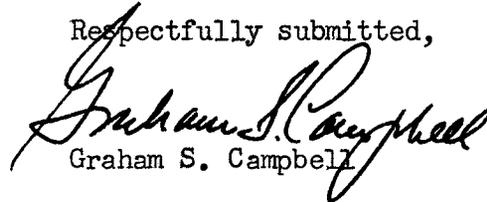
To impose control restricting any Dakota or Morrison production from well to well, over a half mile apart, is to (a) ignore incontrovertible facts concerning reservoir size and shape; (b) oppose and defy long established principles of conservation; (c) reduce ultimate recovery and income for lessee and lessor, and (d) discourage and retard exploration on potentially productive lands.

Objectivity was intended in this writing, although the timing was somewhat controlled by recent alleged controversy in the Bryson Canyon Unit area. It is noteworthy that the spacing recommendation implied herein is similar to that the writer submitted voluntarily to the addressee several years ago.

The writer holds a degree in geological engineering from Oklahoma University and has actively engaged in geological work in the subject area for ten years. Further, the writer is an independent agent with no alliance nor allegiance to any particular interests, such as salaries or so-called retainers imply.

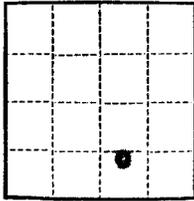
It would be expected that since the writer has lease interest in the area in question, he will likewise benefit by intelligent conservation practice in the future.

Respectfully submitted,


Graham S. Campbell

GSC:gb

cc: Mr. J. R. Schwabrow, U.S. Geological Survey, Casper, Wyoming
Mr. Donald Russell, U.S. Geological Survey, Salt Lake City, Utah
Mr. C. R. Henderson, Vernal, Utah



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-026
Unit Bryson Canyon

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.....	
NOTICE OF INTENTION TO ABANDON WELL.....	Subsequent perf. report	x

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

Well No. 6-A is located 1105 ft. from 132 S line and 1522 ft. from E W line of sec. 9
SE (¼ Sec. and Sec. No.) 9 17S 24E S.L.A. (Twp.) (Range) (Meridian)
Bryson Canyon Unit Grand County Utah (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5917 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)

perf. 4 shots/ft. (Schlumberger) 5010-16, 4897-4904, 4730-48; 4608-24. Plan to test each zone.

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

Company Trend Oil Company
 Address 412 Statler Center
Los Angeles 17, California
 By G. S. Campbell
 Title Geologist

TREND OIL COMPANY
~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~
412 Statler Center
900 Wilshire Blvd.
Los Angeles 17, Calif.

November 18, 1960

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

Dear Mr. Schmidt:

I am in receipt of your letter dated November 15, 1960. In reviewing the history of our relationship over the past several months, it would appear that we have been most uncooperative with you and by the simple expediency of having requested Hearings many of the problems which now confront us would have obviously been solved.

Due to the urgency of the drilling program we had mapped for this area in an effort to protect our leases from expiration and to complete our exploration program before the bad weather set in we, unfortunately, did not live up completely to the Regulations of the State of Utah.

It certainly is not your fault that we have spent in excess of \$300,000 to date and have yet to find one well completed properly and with a full section of sands that are supposedly geologically in this area.

I have before me the General Rules and Regulations of the State of Utah Oil and Gas Conservation Commission and I can personally assure you that henceforth we will adhere to the Regulations except when you have granted us exceptions to the Rule. As the old saying goes - "haste makes waste."

These wells have been quite costly and it will be a long time before our money is returned in this investment. We are a group of individuals who have ventured forth for the first time on a wildcat development program. We are not a large Corporation and we have cut the money corners wherever we could.

Mr. Robert L. Schmidt

-2-

November 18, 1960

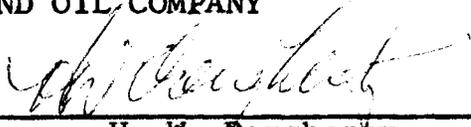
It is unfortunate the way our relationship with you has turned out and also the very unsatisfactory completion record on our wells to date. Mr. Jones has told me by telephone that he has forwarded copies of all the logs to you.

Somehow I did not notice in your Rules the necessity of report on the operations to the State of Utah. We have sent our reports to the U.S.G.S. at Casper, Wyoming. Last night Lessee's Monthly Report of Operations covering wells 1 and 2 were sent to your office using the U.S.G.S. forms. Enclosed please find said reports completed on your Forms. Would you kindly send me a dozen or more Form No. OGCC 4

Sincerely,

TREND OIL COMPANY

By



H. W. Dougherty

ks

GRAHAM S. CAMPBELL
GEOLOGIST
~~1102-08 NORTH AVENUE BARRINGTON ILLINOIS~~
SALT LAKE CITY, UTAH
TELEPHONE ELGIN 5-8256
380 Empire Building

November 18, 1960

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

Re: Trend Oil Company Bryson Canyon Unit #6-A

Gentlemen:

Reference is made to the Trend Oil Company #6-A,
located 1105' FSL and 1522' FEL, section 9, T17S, R24E, SLM.

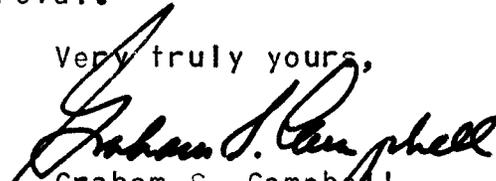
This is to request a retroactive approval of the
subject location for topographic reasons.

The location was originally approved by the Utah
Oil and Gas Commission, subject to completion in the Entrada
sand only.

Subsequent appraisal of the topography with the aid
of Army Map Service NJ 12-3 map indicates that the subject
location is the only reasonable well site within the section
and that there is no other reasonably accessible location
within the section at a distance greater than 4960' from
Well #1. The map has been presented and examined by Mr.
Robert L. Schmidt and Mr. Cleon B. Feight and the section in
question has been visited by Mr. Harvey Coonts, field engineer.
The area will again be inspected by Mr. Schmidt or Mr. Coonts
to verify the necessity for the topographic exception.

It is therefore respectfully requested that approval
be granted for Trend Oil Company to perforate all gas productive
lenses with the understanding that no zones will be produced
prior to the Commission's approval.

Very truly yours,


Graham S. Campbell,
Geological Engineer,
Repr. Trend Oil Company

GSC:gb
cc: Mr. Donald Russell
Enc. (one carbon copy)

November 18, 1960

Oil, Inc.
907 Walker Bank Building
Salt Lake City, Utah

Attention: Mr. Robert L. Cranmer, President

Re: Trend Oil Company - Well No. Bryson Canyon
Unit 6-A, NE SW SE Section 9, Township 17
South, Range 24 East, S1EM, Grand County, Utah

Gentlemen:

This Commission has been requested by Trend Oil Company to retroactively approve the above mentioned well as a topographical exception under Rule C-3 of our rules and regulations (See attached letter). This, of course, would enable them to complete said well in the same horizons as are productive in their Bryson Canyon Unit No. 1 well.

From all indications it appears that this well could have initially been approved as a topographical exception. However, within the next few days, our engineer will check the entire area to determine whether it is possible for them to locate another well in Section 9. It is the opinion of this Commission that if a well could not be located in this section at a distance greater than 4960 feet from Well No. 1, Trend Oil Company's request for a topographical exception for Well No. 6-A should be granted.

In view of the fact that you made inquiries as to why we initially approved the location of this well, we are notifying you of this request in order that any rights you might have with respect to this matter might be fully protected.

If you have any objections, you are hereby requested to file a written protest within five days from the date of receipt of this letter; otherwise, Trend Oil Company's request will be granted. This, of course,

Oil, Inc.
Attn: Mr. Robert L. Cranmer

November 18, 1960
Page No. Two

is provided that a topographical exception is warranted. Any protest filed by you should specify specific reasons why retro-active approval should not be granted and should request a hearing before the Commission.

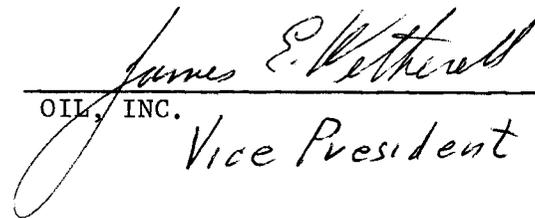
Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co
Attachment

Received the foregoing letter on this 18th day of November,
1960.


OIL, INC.
Vice President



SEND ALL REMITTANCES TO
P.O. DRAWER 1431
DUNCAN, OKLAHOMA

Formation Testing and Tool
Invoice & Ticket
No. T 162977.
In Remitting or Corresponding
Please Refer to Above Invoice Number

HOWCO 1028 A-R-6--PRINTED IN U.S.A.

DATE 11-21-60	CUSTOMER'S ORDER NO.	CUSTOMER'S REQ. NO.	SEC. 9	TWP. 17 S	RNG. 24 E	TRK. CALLED OUT 9-70 9:30	ON LOCATION DATE 11-20 12:00 P.M.	JOB BEGAN DATE 11-21 7:00 A.M.	JOB COMPLETED DATE 11-21 12:30 P.M.
WELL NO. AND FARM Bryson Canyon 6-A.		PLACE OR DESTINATION New State Lines			COUNTY Grand		STATE Utah		
OWNER Trend Oil Co.		CONTRACTOR Pace Dale Co.			CHARGE TO Trend Oil Co.				

Duncan Use Only	<input type="checkbox"/> Cust. Inv. <input type="checkbox"/> Req. <input type="checkbox"/> Orig. & <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> Other	MAILING ADDRESS 412 - Statler Center CITY & STATE Los Angeles 17 - California
	No. Copies	

KIND OF JOB Double Porting of Hole	SIZE HOLE, CASING, LINER 7 7/8	GAUGES	TESTING	TIME	PRESSURES
SIZE TUBING OR DRILL PIPE 4 1/2 F.H.	PRESENT DEPTH 5290	P.R.D. NO'S. 7010	I.C.I.P. XXXXX	20 min	1645
MUD WEIGHT 10	VISCOSITY 60	B.T. NO'S. 680	F.F.P. 1 hr 40 min	715	
			F.C.I.P. 20 min	1455	
TIME MIXING AND PUMPING	NO. SACKS 2	SIZE PACKER 6 3/4	KIND OF TOOL E.S.R.	DEPTH SET 5247 5242	PRESSURE BREAKING FORM SQUEEZING

PURPOSE AND EXPLANATION OF JOB
Tool open 5 min Initial Flow Closed in 20 min Reopened.
Tool Fair Blow Paraxid steady on hole slight frangor
the would not Burn
Roc 40 FT mud 1460 salt water
805 cut
W.C. Howard
Grand Jct Colo
D.S. Campbell
OWNER, OPERATOR OR HIS AGENT

INVOICE SECTION

DEPTH OF JOB 5290	PRICE REFERENCE	DESCRIPTION	UNIT PRICE	AMOUNT
R306		PRICE JOB		286 00
R318		PACKER CHARGE 1 qt 200		85 00
R346		Bowen J tar JARS	100 ea	100 00
R352		SAFETY JOINT RENTAL OTHER CHARGES	15	15 00
R301		75 mil dia. 75 per mils	25	8 75
TERMS		Cash discount will be allowed if paid by 20th of following month. 6% interest charged after 60 days from date of invoice.		SUB TOTAL
				194 75
BY D.S. Campbell OWNER, OPERATOR OR HIS AGENT		We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished covered by this invoice.		TAX
				Total

**TREND OIL COMPANY
412 Statler Center Building
Los Angeles, California**

November 21, 1960

**Oil Incorporated
907 Walker Bank Building
Salt Lake City, Utah**

Gentlemen:

Reference is made to our application to the Oil & Gas Conservation Commission of the State of Utah for permission to complete our Bryson Canyon Unit No. 6-A Well in the Southeast Quarter (SE 1/4) of Section 9, Township 17 South, Range 24 East, Salt Lake Meridian, Grand County, Utah, in all zones penetrated by said well.

Said Commission has served a letter upon you dated November 18, 1960, notifying you that if you have any objections you are requested to file a written protest within five days from the date of receipt of the Commission's letter; otherwise Trend Oil Company's request would be granted retroactively, if a topographical exception is warranted.

This will set forth our understanding that you will not protest said request, and we are authorized to deliver a signed copy of this letter to said Commission as evidence thereof.

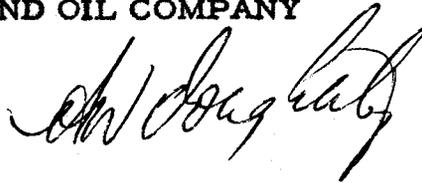
It is our further understanding that this notification to said Commission is without prejudice to the rights of Oil Incorporated

Oil Incorporated
November 21, 1960
Page 2

to protest any further applications to drill by Trend Oil Company or any other party in connection with the proposed Bryson Canyon Unit if such applications for permits to drill are not in strict accordance with the regulations of said Commission, and Oil Incorporated reserves the right to protest any further wells drilled on said proposed Unit not in accordance with the Commission's rules and regulations, and to urge the said Commission to establish a 640 acre spacing pattern.

Very truly yours,

TREND OIL COMPANY



By

H. W. Dougherty, President

--jw

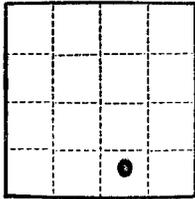
Approved and Agreed to November 21, 1960

OIL INCORPORATED

By



Robert L. Cranmer, President



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah

Lease No. U-026

Unit Bryson Canyon

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.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent rpt. Prod. csg.</u>	<u>X</u>

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

25 November, 1960

Well No. 6-A is located 1105 ft. from N line and 1522 ft. from E line of sec. 9
SE 9 17S 24E SLM
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bryson Canyon Unit Grand County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5917 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)

5½" casing, 20.15 weight to T.D. (5290') with 500 sacks.

Tested w/observed no drop in fluid level. Set 72 hours (Halliburton).

Temp. log run and cement top showed at 3300'.

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

Company Trend Oil Company

Address 412 Statler Center

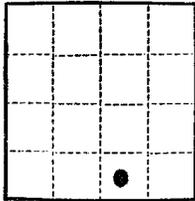
Los Angeles 17, California

By G. S. Campbell

Title Geologist

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(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-026
Unit Bryson Canyon

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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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.....	
NOTICE OF INTENTION TO ABANDON WELL.....			
N	"	run 5 1/2" csg.	X

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

25 November, 1960

Well No. 6-A is located 1105 ft. from N line and 1522 ft. from E line of sec. 9

SE 9 17S 24E S. 4
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Bryson Canyon Unit Grand County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5917 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)

Plan to run 5 1/2" csg. (20.15 wt.) to 5290 (T.D.) w/500 sacks calculating cement top at 3000' (1600' above top perf. zone)

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

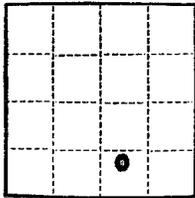
Company Trend Oil Company

Address 412 Statler Center

Los Angeles 17, California By G. S. Campbell

Title Geologist

140



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-026
Unit Bryson Canyon

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	
NOTICE OF INTENTION TO ABANDON WELL		<u>Subsequent report surface csg. x</u>	

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

25 November, 19 60

Well No. 6-A is located 1105 ft. from N line and 1522 ft. from E line of sec. 9

SE (1/4 Sec. and Sec. No.) 9 (Twp.) 17S (Range) 24E S.L.M. (Meridian)
Bryson Canyon Unit (Field) SE. Grand Township (County or Subdivision) Range Utah (State or Territory)

The elevation of the derrick floor above sea level is 5917 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)

8 5/8" - 15# casing to 965' with 400 sacks (tested by observing no drop in fluid level)

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

Company Trend Oil Company
Address 412 Statler Center
Los Angeles 17, California
By G. S. Campbell
Title Geologist

140

POTENTIAL OPEN FLOW TEST - BACK PRESSURE METHOD

PRODUCER TREND OIL COMPANY DATE OF TEST December 1, 1960
 LEASE Bryson Canyon 6A LOCATION SW/4 SE/4 Section 9-17S-24E
 WELL NO. 6 A FORMATION TESTED Morrison (4731') TO (4748')
 PURCHASER Shut In PRODUCING STRING SIZE 2 3/8" WT. # SET AT (4760')
 BAROMETRIC PRESSURE 12 # SP.GR.(G) .612 DEPTH (L) 4740' (GL) 2901 $\sqrt{\text{GL}}$ 53.86

VOLUME CALCULATIONS

TYPE MEASUREMENT	READING	FACTORS	READING	FACTORS	READING	FACTORS	READING	FACTORS
	2" Critical Flow Prover							
LINE SIZE	1/8	Inches	3/16	Inches	5/16	Inches	3/8	Inches
ORIFICE SIZE		Inches		Inches		Inches		Inches
24 HR. BASE COEF.	MCF	6.301	MCF	14.47	MCF	39.77	MCF	56.58
SPECIFIC GRAVITY								
24 HR. CORR. COEF.	MCF		MCF		MCF		MCF	
GAS TEMPERATURE	57 °F		65 °F		72 °F		76 °F	
STATIC PRESSURE	1136 #		1187 #		1059 #		978 #	
DIFF. PRESSURE	"		"		"		"	
DELIVERY (PLOT)	MCF	442	MCF	968	MCF	2361	MCF	3091

PRESSURE CALCULATIONS

Pressure on sand due to weight of gas column at pressure $P_1 = P_1(1 + 0.0000361 \text{ GLF})$

WELL HEAD PRESS. CASING OR TUBING 1276 # + BAROMETRIC PRESSURE 12 # = WELL HEAD PRESS. (1 + 0.0000361 GLF) POUNDS ABSOLUTE 1288 # X -FACTOR- 1.1058 = PRESSURE ON SAND WITH WELL SHUT IN OR (P_f) $\frac{P_f^2}{1000}$ 1424 # 2028

PRODUCING THRU	TUBING							
WELL HEAD WP(C)		#G		#G		#G		#G
WELL HEAD WP(T)	1236	#G	1187	#G	1059	#G	978	#G
BARO. PRESSURE	12	#A	12	#A	12	#A	12	#A
P _w	1248	#A	1199	#A	1071	#A	990	#A
F (FRICTION)		#A		#A		#A		#A
P ₁ OR (P _w + F)	1248.8	#A	1202.8	#A	1096.1	#A	1036	#A
WT. GAS COLUMN		#A		#A		#A		#A
P _s (P ₁ + WT. G.C.)	1381	#A	1330	#A	1211	#A	1143	#A
P _f ² /1000	2028	#A	2028	#A	2028	#A	2028	#A
P _s ² /1000	1907	#A	1769	#A	1467	#A	1306	#A
P _f ² - P _s ²								
1000 (PLOT)	121	#A	259	#A	561	#A	722	#A

POTENTIAL OPEN FLOW 9400 MCF PER 24 HRS. (15.025 BASE)

REMARKS: TD-5292; PBD-4786; Morrison Perf from 4731 - 4748 with 4 Sp/Ft; Dakota perf from 4606 - 4624 (No test due to lack of pressure and volume). 2 3/8" tubing set in 5 1/2" casing. Well blown to Atmos for 6 hours before test and Shut in for 24 hours. Tested thru 2" Critical flow prover. Used 545207 for K factor in producing string. Very little water present during test. Abnormal amount of condensate present during third and fourth points. samples taken.

TESTER: Vic Jones

WITNESS: C. D. Jones

P_w Well head pressure in pounds absolute.
 P₁ Well head pressure plus friction in pounds absolute.
 P_s Pressure on sand plus friction and weight of gas column in pounds absolute.

P_f Pressure on sand while well is shut in plus weight of gas column in pounds absolute.
 F Friction in the producing string.

La Court Hotel and Motor Lodge

GRAND JUNCTION, COLORADO



The
TAVERN

Mr. Feight:

Will forward results
of analysis as soon as Received
Final Report will follow.

Kindest Regards

W. Jones

SWIM
HEATED-FILTERED
POOL

DEC 5 1960

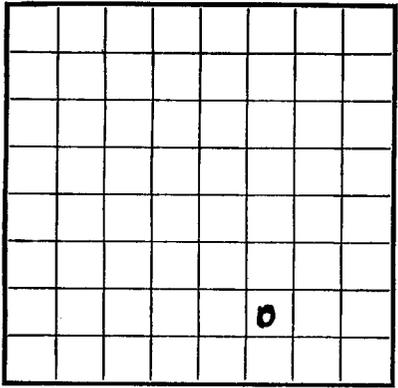
Famed For Fine Food

WJZ
HU
Form 9-330

Bureau No. 42-R255.4
Approval expires 12-31-60.

122
5

U. S. LAND OFFICE Salt Lake
SERIAL NUMBER U-026
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Tread Oil Company Address 112 Statler Center, Los Angeles 17 Cal
Lessor or Tract Government Field Dryson Canyon State Utah

Well No. 6A Sec. 9 T. 17N R. 2E Meridian Salt Lake County Grand
Location 1105 ft. N of S Line and 1522 ft. W of East Line of 9 Elevation 5907
(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 [Signature]

Date Dec 8, 1960 Title Vice Pres & Gen Manager

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

Commenced drilling Nov. 8, 1960 Finished drilling Nov. 29, 1960

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4608 to 4621 G No. 4, from 5010 to 5016 dry
No. 2, from 4730 to 4718 G No. 5, from _____ to _____
No. 3, from 4897 to 4901 dry No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 5210 to 5220 No. 3, from 5220 to 5230
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Annulus	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
8 5/8	930	API seamless	930		Halliburton		5016	5010	
5 1/2	5292								

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	930	430	Halliburton	10.5	
5 1/2	5292	30	"	"	

PLUGS AND ADAPTERS

Heaving plug—Material Production Plug Length _____ Depth set 4790
Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

FOLD MARK

Casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3 5/8	930	430	Halliburton	10.5	
5 1/2	5292	500	"	"	

PLUGS AND ADAPTERS

Heaving plug—Material Production Plug Length _____ Depth set 4790
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Capshell Jets	1 per foot	11-25-6	5016	
		Capshell Jets	1 per foot	11-25-6	5016	

(MUD)

TOOLS USED

Rotary tools were used from 0 feet to 930 feet, and from 4733 feet to 5222 feet
 Cable tools were used from 930 feet to 4733 feet, and from _____ feet to _____ feet

DATES

Completed 12-1-60, 19____ 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 110 Mcf Gallons gasoline per 1,000 cu. ft. of gas _____
1276 tubing

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

G.S. Campbell (Geologist), Driller Pease Drilling Co., Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
		<u>See</u>	<u>SCHLUMBERGER</u>
			<u>IES AND MICROLOG</u>
<u>(C)</u>	<u>590</u>		<u>Mesa Verde</u>
<u>590</u>	<u>860</u>		<u>Duck Tongue</u>
<u>860</u>	<u>920</u>		<u>Castlegate</u>
<u>920</u>	<u>4386</u>		<u>L. Mancos</u>
<u>4386</u>	<u>4482</u>		<u>Dakota Silt</u>
<u>4482</u>	<u>4686</u>		<u>Dakota</u>
<u>4686</u>	<u>5240</u>		<u>Morrison</u>
<u>5240</u>	<u>5292</u>		<u>Entrada</u>

FROM—

TO—

TOTAL FEET

FORMATION

(OVER)

10-43094-4

DEC 9 1960

DATE	DESCRIPTION OF WORK	DEPTH OF WELL	DIAMETER OF WELL	DIAMETER OF CASING	DIAMETER OF TUBING	DIAMETER OF PIPE	DIAMETER OF BRIDGE	DIAMETER OF BRIDGE	DIAMETER OF BRIDGE

MIDDING AND CEMENTING RECORD

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, 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.

Set cement and production plug (bridge plug) at 490. Set OtisFA side door choke using "A" bypass pipe on tubing at 4650. to produce Morrison from below 4686 and the Dakato from above 4650 in the same well. Cameron flag type head (Christmas Tree) Morrison tested for 200 MCF Dakato had no test due to lack of pressure and volume. Well completed as a commercial well and shut in waiting market.

No. 3' from	to	No. 2' from	to
No. 2' from	to	No. 1' from	to
No. 1' from	to		

(Refer to page 10)

OIL OR GAS SANDS OR ZONES

Commenced drilling _____ Finished drilling _____

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

Date _____

signed _____

The information given hereon is a complete and correct record of the well and all work done thereon

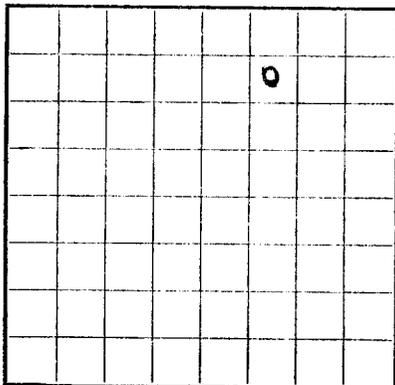
Location _____ of _____ line and _____ of _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____

Lessor of tract _____ State _____

Company _____ Address _____

LOCATE WELL CORRECTLY



LOC OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LEASE OR PERMIT TO PROSPECT _____
 SERIAL NUMBER _____
 U. S. LAND OFFICE _____

TREND OIL COMPANY

June 13, 1966

Mr. R. A. Smith
District Engineer
United States Geological Survey
8416 Federal Building
125 S. State Street
Salt Lake City, Utah

Dear Sir:

Due to a curtailment in deliveries of gas to Mesa Pipeline Company, it will be necessary to shut in our wells delivering into said pipeline from June 16, 1966 to August 16, 1966. The following is a list of wells to be shut in:

Bryson Canyon Unit	#1	-	Morrison
"	"	"	#1 - Dakota
"	"	"	#2 - Dakota
"	"	"	#3 - Dakota
"	"	"	#6A - Dakota
"	"	"	#9 - Dakota

This curtailment is occasioned by the reduced summer demand by Mountain Fuel Supply Company who purchases the gas from Mesa Pipeline Company. The minimum contract quantity is on a yearly basis and will be delivered.

If any additional information is needed regarding this shut down, please let us know.

Yours very truly,

TREND OIL COMPANY

By

