Scout Report sent out ☑

Noted in the N.I.D File ☑

Location map pinned ☑

Approval or Disapproval Letter ☑

Date Completed, P. & A. or operations suspended 7-31-59 Pta

Pin changed on location map ☐

Affidavit and Record of A & P ☐

Water Shut-Off Test ☐

Gas-Oil Ratio Test ☐

Well Log Filed ☑

Remark

FILE NOTATIONS

Entered in N I D File ✓

Entered On S R Sheet ✓

Location Map Pinned ✓

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy N I D to Field Office ✓

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed *9-5-63

OW WW TA

GW OS PA ✓

Location Inspected

Bond released

State of Fee Land

LOGS FILED

Driller's Log

Electric Logs (No.)

E I E-I GR GR-N Cement Bond Log

Lat Mi-L Sonic

* Subsequent Report of Abandonment

FILE NOTATIONS

Entered in N I D File ✓

Entered in S R Sheet ✓

Location Map Pinned ✓

Card Indexed

I W R for State or Fee Land

Checked by Chief ✓

Copy N I D to Field Office ✓

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed 7-21-59

OW WW TA

GW OS PA X

Location Inspected

Bond released

State of Fee Land

LOGS FILED

Driller's Log 7-29-59

Electric Logs (No.) 2

E I E-I ✓ GR GR-N Micro

Mi-L Sonic ✓ Others

Form OGCC-1

(SUBMIT IN DUPLICATE)

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING

SALT LAKE CITY 14, UTAH

LAND:

Fee and Patented ☐

State ☐

Lease No. ~~SX-XXXXXX~~

Public Domain ☒

Lease No. SL-071435-A

Indian ☐

Lease No.

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 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)

May 1, 19 59

Bonanza Unit Well No. 1 is located 660 ft. from {N} line and 660 ft. from {W} line of Sec. 24

NW/NW Sec. 24 (¼ Sec. and Sec. No.) 9 South (Twp.) 24 East (Range) Salt Lake (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is will report when rec'd feet.

A drilling and plugging bond has been filed with Bureau of Land Management, U. S. Dept. of Interior, Salt Lake City, Bond #3390428, Amount $5,000.00

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. Set approximately 300 to 350' of 10-3/4" OD surface casing and circulate with cement.

2. Drill approximately 8-3/4" hole with mud, water and air to approximately 3000 to 4000' so that, if necessary, 7-5/8" OD casing could be cemented in place if required for good operations.

3. Drill 8-3/4" hole or if intermediate casing is set 6-3/4" hole to top of Mancos shale at approximately 6500' for setting of 5-1/2" OD casing and cementing to cover all productive horizons.

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

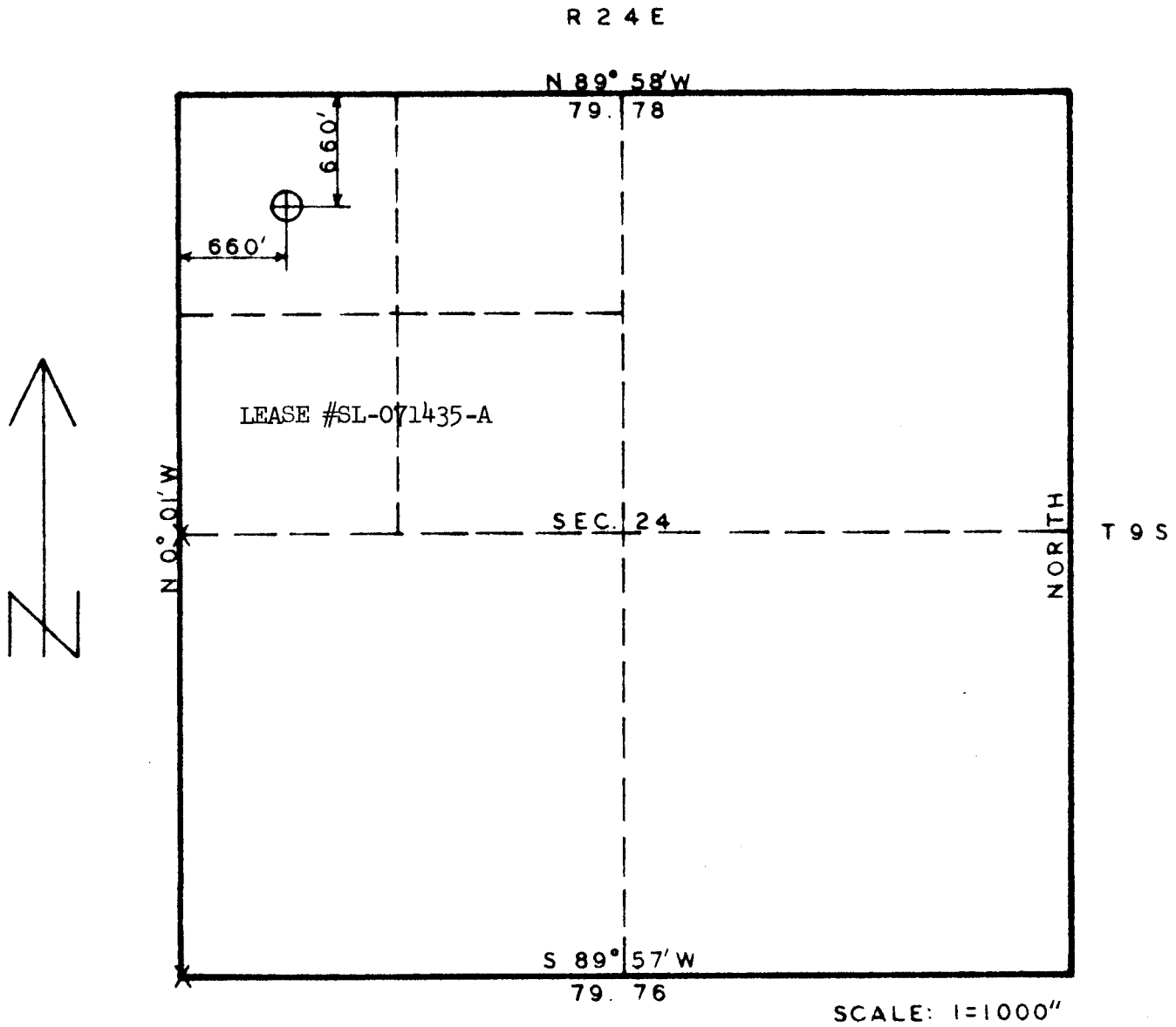
Company Mid-America Minerals, Incorporated

Address Mid-America Bank Bldg.
Oklahoma City, Oklahoma

By W. N. Little
W. N. Little
Title Vice President

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.

MID AMERICA MINERALS, INC.



X- CORNERS LOCATED (ROCK)

BY: ROSS CONSTRUCTION CO.
VERNAL, UTAH

R. D. Ross

PARTY R. D. ROSS S. L. LUCK WEATHER CLEAR	SURVEY LOCATION 660' FNL - 660' FWL SEC. 24 T 9 S - R 24 E - SALT LAKE MERIDIAN - UINTAH COUNTY, UTAH	DATE 4-15-59 REFERENCES GLO PLAT 1904 FILE MID-AMERICA

FORM 5202

Mid-America Minerals, Inc.

MID-AMERICA BANK BUILDING FOrest 5-9465 OKLAHOMA CITY 2, OKLAHOMA

May 12, 1959

State of Utah
Oil & Gas Conservation Commission
State Capitol Building
Salt Lake City 14, Utah

Gentlemen:

We are submitting herewith Form OGCC-1, Notice of Intention to Drill, Bonanza Unit #1 Well in Uintah County, Utah. This application has been made in duplicate.

We are also, on this same date, making application in triplicate to the United States Department of The Interior, Geological Survey on Form 9-331a.

We would appreciate receiving your approval to drill this well as planned.

Yours very truly,

MID-AMERICA MINERALS, INC.

W. N. Little

W. N. Little
Vice President

WNL:bd

Enclosure

May 15, 1959

Mid-America Minerals, Inc.
Mid-America Bank Building
Oklahoma City, Oklahoma

Attention: W. N. Little, Vice-President

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Bonanza Unit 1, which is to be located 660 feet from the North line and 660 feet from the West line of Section 24, Township 9 South, Range 24 East, SLM, Uintah County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

Your attention is directed to Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, Oil & Gas Conservation Commission, State of Utah. It would not be necessary for this Commission to approve this well if you had filed a copy of your unit agreement with this office, as provided by said rule.

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

Yours very truly,
OIL & GAS CONSERVATION COMMISSION

May 25
Sj. ia.

CLEON B. FEIGHT
Executive Secretary

CBF/elp
cc: Dan Russell, Dist. Eng.
U.S.G.S. Federal Bldg.
Salt Lake City, Utah

Form OGCC-4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Bonanza Unit

The following is a correct report of operations and production (including drilling and producing wells) for May, 19 59

Agent's address Mid-America Bank Building
Oklahoma City 2, Oklahoma

Company Mid-America Minerals, Inc.

Signed W. N. Little

Phone Central 5-9465

Agent's title Vice President

State Lease No. ..... Federal Lease No. 071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
NW/NW S 24	9-S	24-E	1					May 31, 1959 TD 813' Fishing

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

Form OGCC-4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Bonanza Unit

The following is a correct report of operations and production (including drilling and producing wells) for June, 1959.

Agent's address Mid-America Bank Building
Oklahoma City 2, Oklahoma

Company Mid-America Minerals, Inc.

Signed W. N. Little

Phone Central 5-9465

Agent's title Vice President

State Lease No. ..... Federal Lease No. 071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
NW/NW S 24	9-S	24-E	1					Midnight 6-30-59 drilling @ 5855'

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

July 22, 1959

Mid-America Minerals, Inc.
Mid-America Bank Building
Oklahoma City, Oklahoma

Attention: W. N. Little, Vice-President

Gentlemen:

Re: Well No. Bonanza Unit 1, NW NW,
Sec. 24, T. 9 S, R. 24 E, SLBM,
Uintah County, Utah

Your attention is directed to Rule C-22, General Rules and Regulations and Rules of Practice and Prodedure. Said rule provides for the submitting of a report of operations and well status report to the Oil and Gas Conservation Commission.

Your compliance with said rule is hereby requested.

We are enclosing some copies of Form OGCC-4, "Report of Operations and Well Status Report", for completion and return. For your convenience, Rule C-22 has been pringed on the back of said form. Federal Form 9-329, Lessee's Monthly Report of Operations, may be used in lieu of Form OGCC-4.

Please note that if two legible copies, carbon or otherwise, of the report filed monthly with the United States Geological Survey on Form 9-329, are also filed each month with this Commission, it will be deemed compliance with Rule C-22, Paragraphs 1, 2, 3 and 4.

Yours very truly,
OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:ep

Form OGCC-4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Bonanza Unit

The following is a correct report of operations and production (including drilling and producing wells) for July, 1959.

Agent's address Mid-America Bank Building
Oklahoma City 2, Oklahoma
Phone Central 5-9465

Company Mid-America Minerals, Inc.
Signed W. N. Little
Agent's title Vice President

State Lease No. ..... Federal Lease No. 071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
NW/NW S 24	9-S	24-E	1					Midnight 7-31-59 Well plugged and abandoned at total depth of 7215' in Mancos Shale. Cement plugs 50 sacks 5920-6140' " " 3630-3850' " " 3000-3250' Weld steel cap over 7-5/8" - 4" pipe in cellar 4" above surface and sign attached. plugged & abandoned 7-19-59.

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

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Salt Lake
SERIAL NUMBER 071435-A
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Mid-America Minerals, Inc. Address 500 Mid-America Bank Bldg., Oklahoma City, Oklahoma
Lessor or Tract 11 Field Wildcat State Utah
Well No. 1 Sec. 24 T. 9S R. 24E Meridian PM County Uintah
Location 860 ft. {N. / S.} of N Line and 660 ft. {E. / W.} of W Line of Sec. 24 Elevation 5469'
(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 DeLasso Loos
Date 7-21-59 Title Field Superintendent

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

Commenced drilling 5-25-59, 19 Finished drilling 7-19-59, 19

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from None to
No. 2, from to
No. 3, from to
No. 4, from to
No. 5, from to
No. 6, from to

IMPORTANT WATER SANDS

No. 1, from None to
No. 2, from to
No. 3, 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 From—	Perforated To—	Purpose
10-3/4"	32.75	8 rd	Spang	342	Guide				Surface
7-5/8"	26.40	8 rd	CMV	3142	Float				Intermediate

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	356	300 Sks. Reg.	Pump & Plug	—	—
7-5/8"	3155	300 Sks. Reg.	Pump & Plug	—	—

FOLD | MARK

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None						

TOOLS USED

Rotary tools were used from 0 feet to 7215' feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

DATES

....., 19..... Put to producing Plugged, 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

....., Driller ....., Driller

....., Driller ....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	900'	900'	Uinta
900'	3400'	2500'	Greenriver
3400'	5100'	1700'	Wasatch
5100'	7190'	2090'	Mesaverde
7190'	-	-	Mancos

JUL 29 1959

FROM—	TO—	TOTAL FEET	FORMATION

[OVER] 16—43094-4

FORMATION RECORD—Continued

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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 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.

Well plugged with three 50 Sks. Cement Plugs

1st Plug	5920'-6140'
2nd Plug	3630'-3850'
3rd Plug	3000'-3250'

Mid-America Minerals, Inc.

MID-AMERICA BANK BUILDING FOrest 5-9465 OKLAHOMA CITY 2, OKLAHOMA

July 27, 1959

The State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Attn: Mr. Cleon B. Feight
Executive Secretary

Re: Well Bonanza Unit 1, NW NW,
Sec. 24, T-9-S, R-24-E, SLBM,
Uintah County, Utah

Gentlemen:

Thank you for your letter of July 22, 1959.

Enclosed you will find "Report of Operations and Well Status Report" for the months of May, June and July.

Yours very truly,

MID-AMERICA MINERALS, INC.

W. N. Little bd

W. N. Little
Vice President

WNL:bd

Enclosures

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF AGENT

The undersigned is, on the records of the Geological Survey, Unit Operator under the MOHAWK Unit Agreement, County of _____ State of _____ No. 14-08-001-5300, Approved December 23, 1959

and hereby designates

NAME: Caldwell and Covington
ADDRESS: Vernal, Utah

as its agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement 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:

The drilling, reworking and completing of the test well for oil and gas located in Section 34, Township 9 South Range 24 East SLM, County Uintah, State Utah.

It is understood that this designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement and the Oil and Gas Operating Regulations. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

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

The Unit Operator agrees promptly to notify the oil and gas supervisor of of any change in the designated agent.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation of agent is limited to field operations and does not cover administrative action requiring Unit Operator's specific authorization.

ATTEST:

John M Poinsteer
Assistant Secretary

Date 10/2/61

MID-AMERICA MINERALS, INC.

By Joe F Schoch
Vice President

Form OGCC-1 (SUBMIT IN DUPLICATE)

LAND:

Fee and Patented ☐
State ☐
Lease No.

Public Domain ☒
Lease No. U-071435-A
(Bonanza Unit)
Indian ☐
Lease No.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, 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 Altering Casing	
Notice of Intention to Redrill or Repair	X	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)

September 30 1961, 19

Well No. 1 Unit is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of Sec. 24

C-NW-NW-24 (¼ Sec. and Sec. No.) T9S (Twp.) R24E (Range) SLM (Meridian)

Bonanza Unit (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5469 feet.

A drilling and plugging bond has been filed with the U.S.G.S (Operator is Mid-America Minerals, Inc.; Caldwell & Covington are operating under Designation of Agent; 1 copy of which is enclosed)

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.)

Caldwell & Covington propose to clean out well and drill plugs to old T.D. of 7215 feet and set 5 - 1/2", 23#, N-80 casing to 6750 feet and cement. Plan to run temperature log and collar locator log and abrasi-jet intervals: 6645 - 6667; 6542 - 6563; 6530 - 6540, and frac zones down casing using 50,000 gallons of treated water and 60,000# of 20-40 mesh Ottowa sand. All 3 zones to be treated are in the Mesaverde formation.

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

Company Caldwell & Covington

Address P.O.Box 473
Vernal, Utah

By Robert E. Covington
Robert E. Covington

Title Partner

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.

Form OGCC-1

Oil & Gas Comm

0	
2	4

(SUBMIT IN DUPLICATE)

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH

LAND:

Fee and Patented ☐
State ☐
Lease No.

Public Domain ☒
Lease No. U-071435-A

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	X	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)

October 9, 19 61

Well No. 1 Unit is located 660 ft. from {N} line and 660 ft. from {E} line of Sec. 24

C-NW-NW-24 (¼ Sec. and Sec. No.) T9S (Twp.) R24E (Range) SLM (Meridian)

Bonanza Unit (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5469 feet.

A drilling and plugging bond has been filed with the U.S.G.S (Operator is Mid-America Minerals Inc., Caldwell & Covington are operating under Designation of Agent (1 copy of which is enclosed)

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.)

Operator proposes to change plans and set 6750' of 4 1/2", N-80, 11.60# LT&C casing in lieu of the 5 1/2" casing previously outlined.

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

Company CALDWELL & COVINGTON

Address P. O. Box 473
Vernal, Utah

By Robert E. Covington

Title Partner

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 10, 1961

Caldwell & Covington
P. O. Box 473
Vernal, Utah

Attn: Robert E. Covington, Partner

Gentlemen:

This is to acknowledge receipt of your notice of intention to rework Well No. Bonanza Unit #1, which is located 660 feet from the north line and 660 feet from the west line of Section 24, Township 9 South, Range 24 East, SLBM, Uintah County, Utah.

Please be advised that insofar as this office is concerned approval to rework said well is hereby granted.

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. FEIGHT,
EXECUTIVE SECRETARY

CBF:sw
cc: Don F. Russell, Dist. Eng.
U. S. Geological Survey
Salt Lake City, Utah

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Bonanza Unit

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

Agent's address P. O. Box 473
Vernal, Utah

Company CALDWELL & COVINGTON
Signed Robert E. Covington

Phone 1060

Agent's title Partner

State Lease No. ..... Federal Lease No. U-071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW-NW 24	9S	24E	#1	Drilling	- -	- -	- -	Received approval from USGS & State to re-work well. Old T.D. was 7215'. Moved in equipment and began operations October 10, 1961. Drilled out plugs and cleaned hole to 6850'. Ran 212 joints 11.60#, N-80, 4-1/2" casing. Landed at 6710.11 K.B. Cemented 2/395 Cu. Ft. Pozzo - 1 on cement. Ran Temp. survey top cement at 4150'. WOC 24 hrs. Ran gamma-ray correlation logs. Perf. Mesaverde fm 6548 - 64, 6654-64 with 4 jets/ft. Broke down fm w/Dowell truck. Broke down from 4600 to 2300# at 23 bbls/min. Prep. to frac.

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

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Bonanza Unit

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

Agent's address P. O. Box 473 Company Caldwell & Covington

Vernal, Utah Signed [signature]

Phone 1060 Agent's title Partner

State Lease No. ..... Federal Lease No. U-071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW-NW 24	9 S	24 E	1	Reworking	- -	- - - -	- - -	Frac'd intervals 6548-64 and 6654-64 as follows: Frac'd w/25,000 # of 20-40 mesh sand, 2,000# 12-20 walnut hulls, 1220# of D-101 and 78 sacks of Ca Cl, 62,400 gallons treated water. Before frac spotted 250 gallons mud acid over perfs. Broke fm down from 4300 to 4000#. Began frac, treating pressure dropped to 3400# and then to 2900#. Average 29 barrels/min. and 1# sand per gallon. Shut well in for 2 hours. Instantaneous shut in pressure: 2,000#. Flowed back frac water w/gas to surface 1 hour. Went in with tubing. Landed at 6606'. Swabbed and flowed well for 24 hours. Well making considerable oil. Have approx. 200 bbls frac. Shut in. Waiting on Swabbing Unit.

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

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Bonanza Unit

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

Agent's address P. O. Box 473 Company CALDWELL & COVINGTON

Vernal, Utah Signed Robert E. Covington

Phone 1060 Agent's title Partner

State Lease No. ..... Federal Lease No. U-071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW-NW 24	Bonanza Unit 9S	24E	1	Rework				Commenced swabbing Mesaverde sands 6548 - 64 and 6654 - 6664 after water frac. Swabbed frac water and oil. Oil is 42.9 Grav., 70° pour point. Oil is increasing. Set cast iron bridge plug at 5200'. Perforated with 2 jets per zone at 4946, 4776, 4757, 4680, and 4595. Frac'd with 3% HCl acid water, (900 bbls) 22,000# sand and 2,000# walnut hulls followed by 100 bbls of fresh water. Average pump rate 27 bbls/min. Average inj. press. 2800#. Instan. shut in press. 1200#. Swabbing back frac water w/s/ gas.

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

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat (Bonanza Unit)

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

Agent's address P.O.Box 473
Vernal, Utah

Company Caldwell & Covington

Signed Robert E. Covington

Phone 1060

Agent's title Partner

State Lease No. ..... Federal Lease No. 071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW-NW-24	9S	24E	Bonanza Unit 1	Rework				Swabbed well to recover frac water from 2nd frac job across perforations at 4946, 4776, 4757, 4680 & 4595'. SWabbed from 1-1-62 to 1-11-62; shut down for repairs to swab unit; shut well in for pressure buildup. On 1-24-62 moved swab unit back over well. Well had 25# pressure; fluid was at 200' from surface. On 1-31-62 had recovered all but 100 barrels of frac water. Swabbing heavily gas cut frac water with 6 to 8' flare ahead of swab and small flare following swab. Swabbing from 3800'.

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

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat (Bonanza Unit)

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

Agent's address P. O. Box 473 Company Caldwell & Covington

Vernal, Utah Signed T. E. Caldwell

Phone 1060 Agent's title Partner

State Lease No. ..... Federal Lease No. 071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW-NW 24	9S	24E	Bonanza Unit 1	--	--	--	--	Rig down for repairs and well shut in due to heavy drifting snows and then fast thaw which bogged down operations. Preparing to swab.

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

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat (Bonanza Unit)

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

Agent's address P.O. Box 473
Vernal, Utah

Company CALDWELL & COVINGTON

Signed Robert E. Covington

Phone

Agent's title Partner

State Lease No. Federal Lease No. 071435-A Indian Lease No. Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW NW 24	9S	24 E	Bonanza 1	--	--	--	--	Rig shut down during March due to snow and deep mud.

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

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NUMBER 071985-A
UNIT Bonanza

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Wildcat

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

Agent's address P. O. Box 473, Vernal, Utah Company Caldwell & Covington R. E. COVINGTON

Signed

Phone 1060 Agent's title Partner

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)
C-NW NW 24	T9S	R24E	Bonanza Unit 1	0	--	--	--	--	--	Waiting on swabbing unit.

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.

Form 9-329
(January 1950)

16—25766-8 U. S. GOVERNMENT PRINTING OFFICE

KB

R.P.S

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

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

Agent's address P. O. Box 473
Vernal, Utah

Company Caldwell & Covington

Signed Robert E. Covington

Phone 1060

Agent's title Partner

State Lease No. ..... Federal Lease No. 071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW-NW 24	9S	24E	1	Bonanza Unit				Waiting on swabbing unit.

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

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

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

Agent's address P. O. Box 473
Vernal, Utah

Company Caldwell & Covington

Signed R. E. Covington

Phone 1060

Agent's title Partner

State Lease No. ..... Federal Lease No. 071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW-NW 24	9S	24E	Bonanza #1					Waiting on swabbing unit.

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

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State UTAH County Uintah Field or Lease Wildcat

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

Agent's address P.O.Box 473
Vernal, Utah

Company CALDWELL & COVINGTON

Signed Robert E. Covington

Phone 1060

Agent's title Partner

State Lease No. ..... Federal Lease No. SL 071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW-NW-Sec. 24	9S	24E	Bonanza Unit 1					Waiting on workover rig. Prep. to pull tubing to recover stuck swab.

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

Copy H.L.C

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

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

Agent's address P.O. Box 473 Company Caldwell & Covington

Vernal, Utah Signed [signature]

Phone 1060 Agent's title Partner

State Lease No. ..... Federal Lease No. SL-071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
		Bonanza Unit						
C-NW-NW Sec. 24	9S	24E	1					Waiting on work over rig.

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

Copy H.L.C

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

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

Agent's address P.O. Box 473 Company Caldwell & Covington

Vernal, Utah Signed Robert E. Covington

Phone 789-3233 Agent's title Partner

State Lease No. ..... Federal Lease No. SL-071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
	Bonanza Unit							
C-NW-NW Sec. 24	9S	24E	1					Waiting on work over rig.

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

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

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

Agent's address P. O. Box 473
Vernal, Utah

Company Caldwell & Covington
Signed [illegible]

Phone 789-3233

Agent's title partner

State Lease No. ..... Federal Lease No. SL-071435-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW-NW Sec. 24	9S	24E	1	Bonanza Unit				Waiting on work over rig.

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

Copy H.L.C.

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

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

Agent's address P. O. Box 473
Vernal, Utah

Company Caldwell & Covington
Signed Robert E. Covington

Phone 789-3233

Agent's title Partner

State Lease No. ..... Federal Lease No. Bonanza Unit Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW-NW Sec. 24	9S	24E	1					Waiting on work over rig.
NW-SE Sec. 27	9S	24E	3	0				T.D. 1365' Waiting on rotary tools.

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

November 26, 1962

Caldwell & Covington
P. O. Box 473
Vernal, Utah

Gentlemen:

On November 21, 1962, I visited your Bonanza Unit #1 and #3, Uintah County, Utah. Bonanza #1 Unit, Sec. 24, T. 9 S, R. 24 E., did not have a sign identifying the location. The Bonanza #3 Unit, Sec. 27, T. 9 S, R. 24 E., was observed to have been apparently drilled to 1938' without a blowout preventor before temporarily abandoning it.

Please be advised that this office will require a blowout preventor before any future drilling takes place.

Your cooperation in the above matter will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

PAUL W. BURCHELL
CHIEF PETROLEUM ENGINEER

PWB:cnp

Copy H.L.C.

PMB

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

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

Agent's address P. O. Box 473 Company Caldwell & Covington

Vernal, Utah Signed R. Covington

Phone 789-3233 Agent's title Partner

State Lease No. ..... Federal Lease No. ~~SL-071435-A~~ SL-071725-A Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	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)
C-NW-NW Sec. 24	9S	24E	1					Waiting on work over rig.
NW-SE Sec. 27	9S	24E	3	0				T.D. 1365' Waiting on rotary tools.

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

February 19, 1963

Caldwell & Covington
P. O. Box 473
Vernal, Utah

Re: Well No. Bonanza Unit #1
Sec. 24, T. 9 S, R. 24 E.,
Uintah County, Utah

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months of December, 1962 and January, 1963 for the subject well. Rule C-22 (1) of the General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. These reports may be filed on Form OGCC-4, "Report of Operations and Well Status Reports", on Company Forms containing substantially the same information, or on U. S. Geological Survey Form 9-329, "Lessee's Monthly Report of Operations".

We are enclosing Form OGCC-4 for your convenience.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CONNIE F. PALOUKOS
RECORDS CLERK

CFP:cnp

Encl. (Forms)

Copy H.L.C.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NUMBER S.L. 0171725-A
UNIT Bonanza

and Lease Number S.L. 071435-A

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Bonanza Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1963,

Agent's address 366 South Fifth East Street
Salt Lake City 2, Utah

Phone DAvis 2-2583

Company PACIFIC NATURAL GAS EXPLORATION COMPANY

Signed M. Darwin Quigley

Agent's title District Geologist

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)
NWSE 27	9S	24E	3							(LEASE NUMBER S.L. 0171725-A)
Jan 1-7										Total depth 1,387'. Fighting lost circulation and reaming old hole. Set 4 cement plugs of 25 sacks each (50% cement and 50% Cal-Seal) from 1,387 back up to 1,220' to regain circulation.
Jan 8-11										Drilling with mist from 1,387' to 1,904'.
Jan 12-15										Shut down because of extremely cold weather.
Jan 16-20										Changing rigs from Frank Explorer to National T-12, rigging up, and drilling rat hole.
Jan 21-29										Drilling from 1,904' to 3,367' with air, soap, and water. No returns from 2,832' to 3,367'. Deviation 2° at 3,245'.
Jan 29										Ran logs (I.E.S. and Sonic Caliper).
Jan 30										Ran 7-5/8", J-55, 26.4#, S.T.& C., casing to 3,272.6' from K.B. and cemented with 175 sacks.
Jan 31										Waiting on cement. Ran Temperature Survey. Found top of cement at 2,830'.
24	9S	24E	1 Bonanza							(LEASE NUMBER S.L. 071435-A)
Jan., 1963										Well still temporarily shut in pending re-working.
				NOTE:						(Pacific Natural Gas Exploration Company has succeeded Caldwell & Covington as Unit Operator of the Bonanza Unit and will therefore make future reports for the above wells.)

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.

16—25766-9 U. S. GOVERNMENT PRINTING OFFICE

Form 9-329
(January 1960)

Distribution:
3 to U.S.G.S., Salt Lak' City
1 to U.O.G.C.C., Salt L e City
1 to T. A. Johnson, Jr., Los Angeles

Copy H. L. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

LAND OFFICE Utah
LEASE NUMBER S.L. 0171725-A *
UNIT
* and Lease Number S.L. 071435-A

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah *County* Uintah *Field* Bonanza Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, *19* 63,

Agent's address 366 South Fifth East Street
Salt Lake City 2, Utah

Phone DAvis 2-2583

PACIFIC NATURAL GAS
Company EXPLORATION COMPANY
Signed R. D. Geddes
Agent's title R. D. Geddes
Petroleum Engineer

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)
24	9S	24E	1	(Lease Number S.L. 071435-A)						
			Well still temporarily shut-in pending re-working.							
			NOTE: (Pacific Natural Gas Exploration Company has succeeded Caldwell and Covington as Unit Operator of the Bonanza Unit and will make all reports for the above well in the future.)							
NWSE 27	9S	24E	3	(Lease Number S.L. 0171725-A)						
Feb. 1-7			Drilled 6-3/4" hole from 3,367' - 4,671' with air. While drilling at 4,671', stopped table while dusting - pulled up 15 feet and could not get any higher.							
Feb. 8-18			Mudded up. Fishing. Recovered all of fish.							
Feb. 19			Conditioned hole.							
Feb. 20-24			Drilled 6-3/4" hole from 4,671' to 4,950'.							
Feb. 24			Ran D.S.T. No. 1 from 4,886' - 4,950'. Strong blow immediately. Gas to surface in 30 minutes. Burned with a bright orange flame. Gauged 132 MCFGPD. Recovered 240' of heavily gas cut mud.							
Feb. 25-26			Drilled 6-3/4" hole from 4,950' - 5,076'.							
			Core No. 1: 5,076' - 5,087'. Recovered 7½'; 2' sand, tight, salt and pepper, fine grained; 5½' shale, black, marine.							
Feb. 27-28			Drilled 6-3/4" hole from 5,087' - 5,302'.							
			Gas shows: 5,246' - 46 units of gas							
			5,256' - 5 units of gas							
			5,266' - 21 units of gas							
			5,292' - 5,302' - 24 units of gas							

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.

Form 9-329
(January 1950)

16—25766-9 U. S. GOVERNMENT PRINTING OFFICE

Copy H. L. E.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PACIFIC NATURAL GAS EXPLORATION COMPANY
BAKERSFIELD, CALIF.

LAND OFFICE Utah
LEASE NUMBER
UNIT Bonanza

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Bonanza Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, April, May, 1963, Pacific Natural Gas

Agent's address 366 South Fifth East Company Exploration Company

Salt Lake City, Utah Signed E. E. Lohan

Phone Davis 2-2583 Agent's title Drilling Superintendent

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)
24	9S	24/E	1	(Lease Number S.L. 011633-A) Well still temporarily shut-in pending re-working.						
NW SE27	9S	24E	3	(Lease Number S.L. 011725-A) (See attached well history)						
March 9:										
March 10:										
March 11:										
March 12:										
March 13:										
March 14:				Drilling [illegible]						
March 15:				Drilling 6210-6300						
March 16:				Drilling 6300-6361						
March 17:				[illegible]						
March 18:				Drilling 6421-6471.						
March 19:				Drilling 6471-6593.						

RMS:pm
6-17-63

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.

Form 9-329
(January 1950)

16—25700-9 U. S. GOVERNMENT PRINTING OFFICE

Copy H. L. C.

Form 9-331a
(Feb. 1961)

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Utah
Lease No. 071435-A
Unit Bonanza

(SUBMIT IN TRIPLICATE)

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		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			
Notice of intention to test and frac			X

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

Bonanza Unit April 25, 1963

Well No. 1 is located 860 ft. from {N} line and 660 ft. from {W} line of sec. 24

NWNW Sec. 24 (¼ Sec. and Sec. No.) T 9 S. (Twp.) R 24 E. (Range) S. L. M. (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the ~~derrick floor~~ ground above sea level is 5457 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)

The following testing and completion program is proposed:

1. Move in completion rig.
2. Run cement bond log from 4200'-5200'.
3. Squeeze cement as necessary, to isolate zones presently open, (4595' to 4946'
4. Straddle test individual zones presently open; squeeze cement zones producing water.
5. Drill out bridge plug at 5200'
6. Test lower zones presently open (6548' to 6664')
7. Frac, as appropriate, with liquid CO_2.
8. Run tubing and conduct production test.

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 366 South Fifth East Street.

Salt Lake City 2, Utah

DAvis 2-2583

By R. D. Geddes
R. D. Geddes
Title Petroleum Engineer

GPO 914974

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake
LEASE NUMBER
UNIT Bonanza

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah *County* Uintah *Field* Bonanza Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, *19*63, Pacific Natural Gas

Agent's address 366 South Fifth East Street *Company* Exploration Company
Salt Lake City 2, Utah *Signed* R. D. Geddes

Phone 322-2583 *Agent's title* R. D. Geddes
Petroleum Engineer

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)
					Bonanza Unit					
NW NW 24	9S	24E	1		(Lease Number S.L. 071435-S) Well still temporarily shut-in pending re-working.					
NW SE 27	9S	24E			(Lease Number S.L. 071725-A) Conducted production tests. Wasatch interval (annulus) tested 1300 MCFD. Mesaverde intervals (tubing) loaded up with water and died. Well presently shut-in.					

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.

Form 9-329
(January 1950)

16—25766-9 U. S. GOVERNMENT PRINTING OFFICE

Copy H.L.G.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

LAND OFFICE Utah
LEASE NUMBER
UNIT Bonanza

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Bonanza Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1963, Pacific Natural Gas Company

Agent's address 366 South 5th East Street
Salt Lake City 2, Utah
Phone 322-2583

Signed R. D. Geddes
Agent's title Petroleum Engineer

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)
				Bonanza Unit						
NW NW 24	9S	24E	1	(Lease 071435-A)						
				Moved in workover rig. Scraped 4½" casing from surface to top of bridge plug at 5189'. Ran cement bond log to 5189'. Log indicated good bonding from 5189' to 4000', and occasional bonding above 4000'. Set packers to swab test perforations at 4946'. Recovered water with a small amount of oil and a very slight amount of gas. Fluid decreased on each swab run. Set packers to swab test perforations at 4776'. Recovered brackish water. Set packers to swab test perforations at 4757'. Recovered water with a slight amount of gas. Set packers to swab test perforations at 4680'. Recovered water with a slight amount of gas. Set packers to swab test perforations at 4595'. Swabbed zone dry and recovered a small amount of gas. Squeeze cemented perforations at 4946' with 25 sacks of cement. Squeeze cemented perforations at 4757', and at 4776' with 50 sacks of cement. Squeeze cemented perforations at 4680' with 25 sacks of cement. Drilled out cement to top of bridge plug at 5189'. Tested all perforations to 5189' with 2000# pressure - okay. Drilled out bridge plug at 5189'. Cleaned out with bit and scraper to 6680'. Swab tested perforations at 6548'-6564' and 6654'-6664'. Recovered oil, water, and some gas. Fluid recovery is approximately 50% oil.					(cont.)

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.

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Fraced perforations at 6654'-6664' with 218 barrels of liquid CO_2. Following the recovery of the CO_2, the zone went dead.

Fraced perforations at 6548'-6564' with 220 barrels of liquid CO_2. Flowed the CO_2 back and swab tested, recovering muddy water.

Set packers to frac perforations at 4595'.

Due to insufficient communication with the formation, perforated at 4595' with a 5-way radial jet (1/2").

Set packers at 4586' and 4617'. Spotted 250 gallons of 15% MCA. Pressured up to 6000# with CO_2, no breakdown.

Set packers at 6540' and 6571' to frac perforations from 6548'-6564'. Spotted 250 gallons of 15% MCA. Fraced with 125 barrels of liquid CO_2.

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NPD file
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Form 9-331a
(Feb. 1951)

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(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Utah
Lease No. 071435-A
Unit Bonanza

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	X		

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

September 4, 19 63

Well No. 1 is located 660 ft. from {N} line and 660 ft. from {W} line of sec. 24

NW NW 24 (¼ Sec. and Sec. No.) T9S (Twp.) R24E (Range) SLM (Meridian)

Bonanza Unit (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the ~~derrick floor~~ ground above sea level is 5457 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)

Present mechanical condition:
Total depth 6972', plugged to 6683' 10 3/4" cemented 354' w/300 sacks, 7 5/8" cemented 3159' w/300 sacks, 4 1/2" 11.60# N-80 cemented 6710' w/395 cu. ft. pozmix, cement in casing from 6710'-6683', perforated with 4 jets per foot from 6548'-64' and 6654'-64', and 2 jet perforations at 4595', 4680' squeezed with cement, 4757' squeezed with cement, 4776' squeezed with cement, and 4946' squeezed with cement respectively. Frac notch at 4594'.

All of the intervals were tested natural, and the intervals from 6548'-64' and 6654'-64' were fraced with liquid CO_2 and tested. None of the intervals yielded hydrocarbons in commercial quantities. The hole is presently standing empty to the top of the plug at 6683'. (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 366 South Fifth East Street
Salt Lake City 2, Utah
Phone 322-2583

By R. D. Geddes
R. D. Geddes
Title Petroleum Engineer

GPO 914974

We propose to: (per Russell - Geddes conversation 9/4/63)

1. Fill the hole with low water loss mud.
2. Set bridge plugs at 5130' and 4550' placing a 10 sack cement plug on top of each bridge plug.
3. Place a 10 sack cement plug at the surface.
4. Erect a dry hole marker.
5. Hand fill the rat hole.
6. Clean up the reserve pit.

No casing will be removed from the well. It is possible that the well may be deepened in the future to obtain geological information.

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

LAND OFFICE Salt Lake
LEASE NUMBER
UNIT Bonanza

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Bonanza Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1963, Pacific Natural Gas Exploration Company

Agent's address 366 South Fifth East Street, Salt Lake City 2, Utah

Company

Signed R. D. Geddes

Phone 322-2583 Agent's title Petroleum Engineer

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)
			Bonanza							
NW NW 24	9S	24E	1	(Lease 071435-A)						
				9/1 Set packers at 6540 and 6571' to re-frac interval 6548 to 6564'. Used 250 gal. 15% MCA followed by 130 bbls. liquid CO_2. ISI 1900# - max. inj. press. 6000#. Avg. 5400. Avg. inj. rate 7.2 bbls. min. Breakdown was 6000 to 5400#. Frac completed at 9:51 a.m. Opened well at 4:00 p.m. - blew back CO_2, water and acid until 8:00 p.m. when well died. Swabbed until 5:00 a.m. 9/2. - rec. gas with CO_2 and muddy water. Pressured up on perfs at 4500 with 6000# - could not break down. Swabbed well - rec. 75 bbls. water. Pumped into formation 10 bbls. water at 2000# - swabbed dry - rec. muddy water, CO_2 water and small flare of gas. Filled hole with mud. Set bridge plug at 5129' and placed 10 sack cement plug on top. Set bridge plug at 4549' with 10 sacks cement plug on top. Placed a 10 sack cement plug at the surface. Erected a dry hole marker. Hand filled the rat hole and cleaned up the reserve pit and location.						
				Well plugged and abandoned 9/5/63.						
			Bonanza							
NW SE 27	9S	24E	3	(Lease 071725-A)						
				9/3 - 1875# C.P., 800# T.P. Opened tubing at 5:30 p.m. Opened with strong blow with 80# on 1¼" orifice. Oil to surface with gas in 2 min. Blew heavy spray of gas and oil until 5:45 p.m. when well loaded up. At 5:45 p.m. well was slugging oil and gas at 15# on 1¼" orifice. Died at 5:45 p.m. Rec. approximately 2 bbls. of oil. Swabbed well to test Mesaverde zone. Estimated oil rec. 9/11 - 75 BOPD. Well shut-in pending arrival of larger swabbing unit.						

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.

Form 9-329
(January 1950)

16—25766-9 U. S. GOVERNMENT PRINTING OFFICE

Copy to Hh C

Form 9-331a
(Feb. 1951)

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Budget Bureau No. 42-R358.4
Form Approved.

Land Office Utah
Lease No. 071435-A
Unit Bonanza

(SUBMIT IN TRIPLICATE)

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		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	X
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)

Bonanza Unit September 5, 1963

Well No. 1 is located 660 ft. from {N} line and 660 ft. from {W} line of sec. 24

NW NW 24 (¼ Sec. and Sec. No.) T9S (Twp.) R24E (Range) SLM (Meridian)

Bonanza Unit (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the ~~derrick floor~~ ground above sea level is 5457 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. Filled hole with mud.
2. Set cast iron bridge plug at 5129' and placed a 10 sack cement plug on top of the bridge plug.
3. Set cast iron bridge plug at 4549' and placed a 10 sack cement plug on top of the bridge plug.
4. Placed a 10 sack cement plug at the surface.
5. Erected a dry hole marker.
6. Hand filled rat hole.
7. Cleaned up location and filled reserve pit.
8. Well abandoned 9-5-63.

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 366 South Fifth East
Salt Lake City 2, Utah
Phone 322-2583

By R. D. Geddes

Title R. D. Geddes
Petroleum Engineer

GPO 914974

October 28, 1963

Pacific Natural Gas Exploration Company
366 South Fifth East
Salt Lake City, Utah

Attention: R. D. Geddes, Petroleum Engineer

Re: Well No. Bonanza Unit #1
Sec. 24, T. 9 'S, R. 24 E.,
Uintah County, Utah

Gentlemen:

Due to the fact that you did not deepen the above mentioned well, we realize that you probably did not run any electric and/or radioactivity logs for the above mentioned well. However, it was noticed on your "Lessees' Monthly Report of Operations" for August, 1963 that a Cement Bond Log was run, and as of this date we have not received a copy.

Your kind attention to this request will be appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK
RECORDS CLERK

cnp

PACIFIC NATURAL GAS EXPLORATION COMPANY

366 SOUTH FIFTH EAST

SALT LAKE CITY 2, UTAH

October 29, 1963

Oil and Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Attention: Clarella N. Peck, Records Clerk

Re: Well No. Bonanza Unit #1
Uintah County, Utah

Gentlemen:

In reply to your letter of October 28, 1963, we are herewith transmitting a Cement Bond Log for the above well.

Yours very truly,

R. D. Geddes

R. D. Geddes
Petroleum Engineer

RDG:lc
encl.