

P-W

BUTTES #1-14 NAVAJO
SE SE 14-7N-9W NSM Apache County

466

COUNTY Apache AREA 8 mi W/Greasewood LEASE NO. Navajo 14-20-0603-608

WELL NAME BUTTES #1-14 Navajo

LOCATION SE SE SEC 14 TWP 7N RANGE 9W FOOTAGE 990' FSL 660' FEL
 ELEV 6296 GR 6307 KB SPUD DATE 7-14-68 STATUS _____ TOTAL DEPTH 2701
 COMP. DATE 7-26-68

CONTRACTOR Loffland Brothers Co.

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	<u>x</u>
<u>9 5/8</u>	<u>276'</u>	<u>185 SKS</u>	<u>NS</u>	DRILLED BY CABLE TOOL	_____
_____	_____	_____	_____	PRODUCTIVE RESERVOIR	_____
_____	_____	_____	_____	INITIAL PRODUCTION	<u>Dry</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>DeChelly</u>	<u>Surface</u>	<u>x</u>	<u>x</u>	
<u>Organ Rock</u>	<u>914'</u>			
<u>Hermosa</u>	<u>1618'</u>			
<u>Mississippian</u>	<u>2036'</u>			
<u>Elbert</u>	<u>2209'</u>			
<u>McCracker</u>	<u>2405'</u>			
<u>Aneth</u>	<u>2520'</u>			
<u>Cambrian</u>	<u>2621'</u>			
<u>Pre-Cambrian</u>	<u>2677'</u>			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>Am Strat</u>
<u>ES,GR Sonic Caliper</u>			SAMPLE DESCRP. <u>x</u>
			SAMPLE NO. <u>1460</u>
			CORE ANALYSIS _____
			DSTs _____

REMARKS _____ APP. TO PLUG x
 PLUGGING REP. x
 COMP. REPORT x

WATER WELL ACCEPTED BY _____

BOND CO. Pacific Indemnity Company BOND NO. 326552
 BOND AMT. \$ 5,000 CANCELLED 12-9-68 DATE _____ ORGANIZATION REPORT 5-6-68
 FILING RECEIPT 9550 LOC. PLAT x WELL BOOK x PLAT BOOK x
 API NO. 02-001-20080 DATE ISSUED 7-16-68 DEDICATION E/2 SE/4

PERMIT NUMBER 466

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

DESCRIPTION OF WELL AND LEASE

Operator **Buttes Gas & Oil Company** Address **420 C. A. Johnson Bldg. Denver, Colorado 80202**

Federal, State or Indian Lease Number or name of lessor if fee lease **Navajo 14-20-0603-608** Well Number **1-14** Field & Reservoir **Wildcat**

Location **660' FEL, 990' FSL** County **Apache**

Sec. TWP-Range or Block & Survey **Sec. 14, T7N, R9W**

Date spudded **7-14-68** Date total depth reached **7-25-68** Date completed, ready to produce **--** Elevation **6307** feet Elevation of casing hd. flange **6296** feet

Total depth **2701** P.B.T.D. **Surface** Single, dual or triple completion? **--** If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion **Dry** Rotary tools used (interval) **0-2701** Cable tools used (interval) **--**

Was this well directionally drilled? **No** Was directional survey made? **No** Was copy of directional survey filed? **--** Date filed **--**

Type of electrical or other logs run (check logs filed with the commission) **1-ES, GR-Sonic Caliper** Date filed **--**

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	13 3/4	9 5/8	32.30	276	185	None

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
	None		None	None

INITIAL PRODUCTION

Date of first production **Dry** Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) **Dry**

Date of test **--** Hrs. tested **--** Choke size **--** Oil prod. during test **--** bbls. Gas prod. during test **--** MCF Water prod. during test **--** bbls. Oil gravity **--** ° API (Corr)

Tubing pressure **--** Casing pressure **--** Cal'd rate of Production per 24 hrs. **--** Oil **--** bbls. Gas **--** MCF Water **--** bbls. Gas-oil ratio **--**

Disposition of gas (state whether vented, used for fuel or sold): **--**

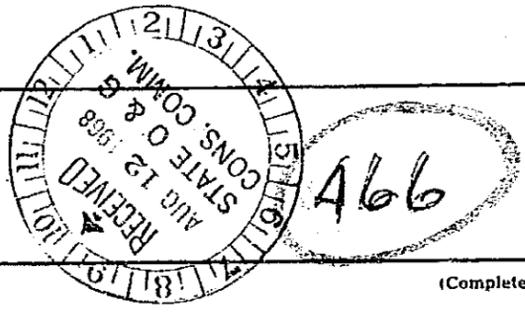
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **Engineer** of the

Buttes Gas & Oil (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date **August 9, 1968**

Signature *John E. Wey*
John E. Wey

Permit No.



STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
File One Copy

Form No. 4

DETAIL OF FORMATIONS PENETRATED *

Formation	Top	Bottom	Description* <i>by Curtis Little</i>
DeChelly	0	914	Sandstone
Organ Rock	914	1618	Red Shale
Hermosa	1618	2036	Limestone, Sandstone and shale
Mississippian	2036	2209	Limestone
Elbert	2209	2405	Dolomite, Sandstone and shale
McCracken	2405	2520	Sandstone and dolomite - fair porosity, no shows.
Aneth	2520	2621	Dolomite
Cambrian	2621	2677	Sandstone, fair porosity, no shows
Pre-Cambrian	2677	2700	Granite and Granite wash

DST No. 1
 2434'-2494'
 1FP (10 min.) 168 psi
 1S1P (30 min.) 532 psi
 FFP (72 min.) 392 psi
 FS1P (60 min.) 532 psi
 Rec. 770' water, 20' mud.

DST No. 2
 2618'-2701'
 1FP (5 min.) 84 psi
 1S1P (30 min.) 588 psi
 FFP (33 min.) 168 psi
 FS1P (45 min.) 616 psi
 Rec. 300' of water cut mud.

WELL PLUGGED AND ABANDONED 7:00 A. M., 7-26-68

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-B1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Ruttas Gas & Oil Co.

3. ADDRESS OF OPERATOR
420 C. A. Johnson Bldg., Denver, Colo. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
660' FEL, 990' PSL, Section 14

14. PERMIT NO. _____

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6296' GR, 6307 K.B.

6. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-608

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
Navajo

8. FARM OR LEASE NAME
Navajo

9. WELL NO.
No. 1-14

10. FIELD AND POOL, OR WILDCAT
Wild Cat

11. SEC., T., R., OR BLK. AND SURVEY OF AREA
Sec. 14, T7N, R9W

12. COUNTY OR PARISH, STATE
Apache Arizona

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	FULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>

(Note: Report results of multiple completion of Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Oral permission to perform following work granted by Mr. Bill Shogar, USGS, Roswell, N. M. and Mr. John Bannister, Arizona Conservation Commission.

- Place cement plugs at depths shown with noted sz. of cement.
 - 2550 - 2325 - 65 sz.
 - 2100 - 1950 - 45 sz.
 - 1675 - 1575 - 30 sz.
 - 975 - 875 - 30 sz.
 - 275 - 225 - 20 sz.
 - surface - 10 sz.
- Clean location and erect dry hole marker



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

SIGNED *John Bannister* TITLE Engineer DATE 7-29-68

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

cc: Arizona Oil and Gas Conservation Commission
See Instructions on Reverse Side

466

7166

7-25-68

Telcall from Curtis Little

Re: Buttes #1-14 Navajo
SE SE 14-7N-9W NSM Apache County
Permit 466

Verbal permission to plug.

Plugs to be set as follows, according to USGS instructions:

2550' to 2325'
2100' to 1950'
1675' to 1575'
975' to 875'
275' to 225'
Surface plug and marker. Mud between plugs.

Tops:
Surface: DeChelly
Organ Rock 914
Hermosa 1,618
Miss 2,036
Elbert 2,209
McCracken 2,405
Aneth 2,520
Cambrian 2,621
Granite wash 2,677
Unweathered hard granite 2,688
TD 2,700

4

466

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

BUTTES GAS & OIL CO.
NAME OF COMPANY OR OPERATOR

420 C. A. Johnson Building Denver, Colorado 80202
Address City State

Loffland Brothers Company
Drilling Contractor
P. O. Box 688, Farmington, New Mexico
Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor 14-20-0603-608	Well number Navajo 1-14	Elevation (ground) 6360' Est. 6296
Nearest distance from proposed location to property or lease line: 660 feet	Distance from proposed location to nearest drilling, completed or applied for well on the same lease: ----- feet	
Number of acres in lease: All, Section 14-7N-9W: 640 Acres	Number of wells on lease, including this well, completed in or drilling to this reservoir: No wells have been drilled.	
If lease, purchased with one or more wells drilled, from whom purchased: Name Address		
Well location (give footage from section lines) 660' FEL, 990' FSL, Section 14	Section—township—range or block and survey Section 14-7N-9W	Dedication (Comply with Rule 105) E/2 SE/4
Field and reservoir (if wildcat, so state) Wildcat	County Apache	
Distance, in miles, and direction from nearest town or post office		
Proposed depth: 3000'	Rotary or cable tools Rotary	Approx. date work will start July 10, 1968
Bond Status On File	Organization Report On file Yes Or attached	Filing Fee of \$25.00 Attached Yes
Remarks:		

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the General Manager of the Buttes Gas & Oil Co., Juniper Oil & Gas Company Division (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

*Verbal permission
7-12-68*

Robert W. Peterson
Signature

June 28, 1968
Date

Permit Number: **466**
Approval Date: **7-16-68**
Approved By: *John Barnister*
Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Application to Drill or Re-Enter
File Two Copies

RECEIVED
JUL 2 1968
O&G
COMM.

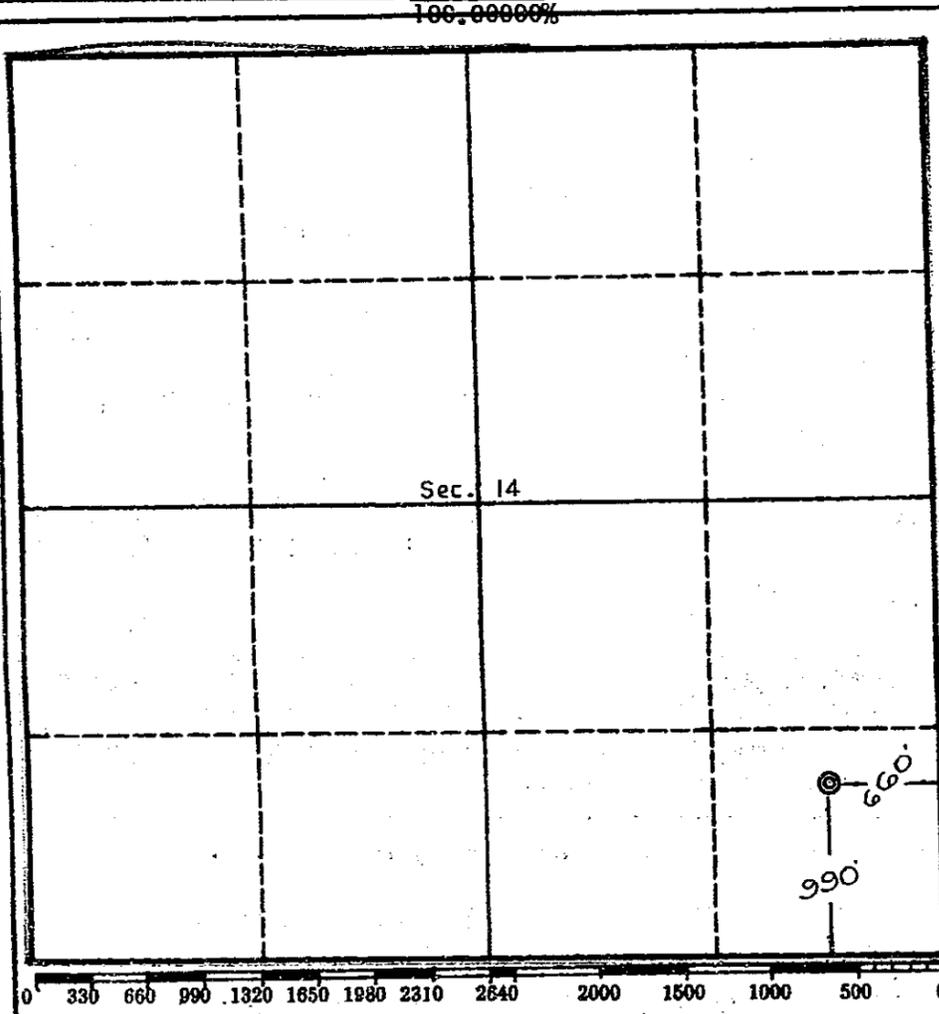
Form No. 3

(Complete Reverse Side)

API 02-001-20080

- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO XX
- If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES XX NO _____. If answer is "yes," Type of Consolidation Operating Agreement
- If the answer to question four is "no," list all the owners and their respective interests below:

Owner	W. T. Blackburn	33.33333%	Land Description Township 7 North, Range 9 West, Apache Co., Arizona Section 14; All (640.0 Acres)
	A. L. E. Thompson	22.22223%	
	F. A. F. Beery	5.55556%	
	Buttes Gas & Oil Co.	38.88888%	
			100.00000%



CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Wm. R. Stroble
Name
Wm. R. Stroble
Position
Division Landman
Company
Buttes Gas & Oil Co.
Date
June 28, 1968



Date Surveyed
July 7, 1968
Registered Professional Engineer
and/or Land Surveyor
E. J. Cahill
Certificate No. 3602

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9 5/8"	32.30	H-40	-0-	250'	250'	100

From the Desk of

JAMES R. SCURLOCK 722.68

Spud 7-14-68

Battles:

Curtis Little (Geologist)

Called:

Drilling 2650'

Top Mississippian
unweathered top:

K.B. elevation 6307

Top Miss. 2030

+ 2277

Expect Granite @ 2650.

Will probably call to-
morrow night to ask
permission to plug. No
cores. No DST's. No shows.

#466



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: BUTTES GAS & OIL CO.
(OPERATOR)

to drill a well to be known as

BUTTES #1-14 NAVAJO
(WELL NAME)

located 990' FSL and 660' FEL (SE/4SE/4)

Section 14 Township 7N Range 9W NSM, Apache County, Arizona.

The E/2 SE/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 16th day of July, 19 68.

OIL AND GAS CONSERVATION COMMISSION

By John W. Barnister
EXECUTIVE SECRETARY

7-12-68 Verbal permission

PERMIT 7-16-68 No. 466

RECEIPT NO. 9550

API No. 02-001-20080

State of Arizona
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

Samples required.

Telephone: 222-7797
Area Code: 303

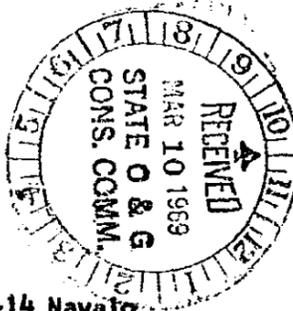


OIL & GAS COMPANY

SUITE 420, C. A. JOHNSON BUILDING, 509 SEVENTEENTH STREET, DENVER, COLORADO 80202

March 7, 1969

Four Corners Sample Cut Association
P.O. Box 899
Farmington, New Mexico 87401



Re: BG&Co. No. 1-14 Navajo
Section 14, T7N R9W NSM

Gentlemen:

Will you please make a cut of the samples from the above-mentioned well and send to the Arizona Bureau of Mines, Tucson, Arizona.

Sincerely,

W. W. Whitley
W. W. Whitley

WW/sd

cc: James A. Lambert ✓
Oil & Gas Conservation
Commission
1624 West Adams
Phoenix, Arizona 85007

C
O
P
Y

466

X-Lambert Log
Y-Chrono File

February 25, 1969

Mr. William W. Whitley
420 C. A. Johnson Building
509 Seventeenth Street
Denver, Colorado 80202

Re: Buttes #1-14 Navajo
T7N, R9W, NSM
Sec. 14: SE/4 SE/4
Apache County, Arizona
Permit #466

*Sample rec'd in
Tucson 3/6/69*

Dear Mr. Whitley:

Please instruct the Four Corners Sample Cut Association to deliver the samples on the captioned well to the Arizona Bureau of Mines in Tucson.

Please favor us with a copy of your letter to that Association.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

466

January 30, 1969

Mr. William W. Whitley
420 C. A. Johnson Building
509 Seventeenth Street
Denver, Colorado 80202

Re: Buttes #1-14 Navajo
T7N, R9W, NSM
Sec. 14: SE/4 SE/4
Apache County, Arizona
Permit #466

Dear Mr. Whitley:

We call attention to the memo we sent you concerning well samples on the captioned well. Please advise us the date that you submit these samples to Arizona Bureau of Mines in Tucson.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

Enc,

↓

sent well sample instruction sheet

466

PHONE: 325-9232

641 WEST BROADWAY

FOUR CORNERS SAMPLE CUT ASSOCIATION

P. O. BOX 899
FARMINGTON, NEW MEXICO 87401

December 3, 1968

Hello Jim:

This is a list of the Arizona wells which we have in the cut at present time.

Arkla Core test # 56 ✓
No Location

El Paso #1-B La Posa
10-7N-19W
Yuma Co.

Skelly #1 Navajo Q
18-38N-30E
Apache Co

Texaco #1 Navajo BF
26-6N-7W
Apache Co.

Apache #1 Santa Fe Crest
25-20N-27E
Apache Co.

Pennzoil #1 Hopi-11
11-29N-14W
Coconino Co.

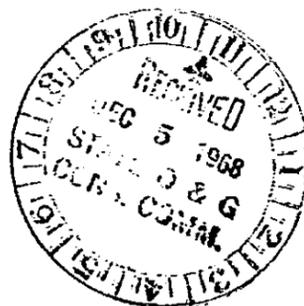
Buttes Oil & Gas #1-14 Navajo Tite
14-7N-9W
Apache Co.

Buttes Oil & Gas #1-23 Navajo Tite
23-37N-27E
Apache Co.

The following two wells have been cut or in the process

Buttes Oil & Gas #1-25 Navajo
25-35N-28E
Apache Co.

G.B. Cree #1 Hunt
31-18N-20W
Navajo Co.



ONE: 325-9232

641 WEST BROADWAY

FOUR CORNERS SAMPLE CUT ASSOCIATION

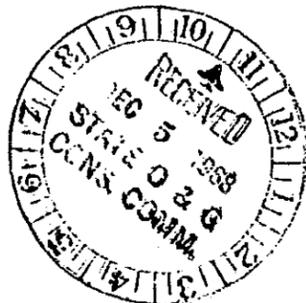
P. O. BOX 899
FARMINGTON, NEW MEXICO 87401

As for the list of wells which have been cut through the years I will see what I can come up with as soon as possible and send to you.

Again, let me say will appreciate any help you can give me in getting the Arizona wells to the cut, and if I can be of assistance to you let me know.

Sincerely,

Jo Ratcliff



466

PERFORMANCE BOND

KNOW ALL MEN THESE PRESENTS BOND NO. 326522

Premium: \$50.00 per annum

Bond Serial No. _____

That we: Buttes Gas & Oil Co., 2150 Franklin Street, Oakland, California

of the County of Alameda in the State of California

as principal, and PACIFIC INDEMNITY COMPANY, a California Corporation

100 Sansome St., San Francisco, California

of AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona and the Oil and Gas Conservation Commission, hereinafter referred to as the "Commission", in the penal sum of Five Thousand Dollars (\$5,000) lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation are that, whereas the above bounden principal proposes to drill one or more wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to-wit:

Section 14, Township 7 North, Range 9 West, N.S.M. containing 640 acres more or less Apache County, Arizona

(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all the provisions of the Laws of this State and the rules, regulations and orders of the Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil and Gas Conservation Commission all notices and records required by said Commission, then in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, this obligation is void; otherwise it shall remain in full force and effect.

Whenever the principal shall be, and declared by the Oil and Gas Conservation Commission in violation of the Laws of this State and the rules, regulations and orders of the Commission, the surety shall promptly:

1. Remedy the violation by its own efforts, or
2. Obtain a bid or bids for submission to the Commission to remedy the violation, and upon determination by the Commission and the Surety of the lowest responsible bidder, arrange for a contract between such bidder and the Commission, and make available as work progresses sufficient funds to pay the cost of remedying the violation; but not exceeding, including other costs and damages for which the surety may be liable hereunder, the amount set forth in the first paragraph hereof.

Liability under this bond may not be terminated without written permission of this Commission.

WITNESS our hands and seals, this 27th day of June, 1968

BUTTES GAS & OIL CO.

By: [Signature]

Vice-President

By: [Signature]

Assistant Secretary

Principal

WITNESS our hands and seals this 27th day of June, 1968

PACIFIC INDEMNITY COMPANY

By: [Signature]

F. W. Trotter, Surety Attorney-in-Fact

Surety, Resident Arizona Agent
If Issued in a state other than Arizona)

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved Date: 7-16-68
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: [Signature]
 Permit No. 466

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Bond
 File Two Copies
 Form No. 2



PACIFIC INDEMNITY COMPANY
 HOME OFFICE: LOS ANGELES, CALIFORNIA
 PACIFIC INDEMNITY COMPANY
 HOME OFFICE: DALLAS, TEXAS
 NORTHWESTERN PACIFIC INDEMNITY COMPANY
 HOME OFFICE: PORTLAND, OREGON

Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that the PACIFIC INDEMNITY COMPANY
 a corporation of the State of California, by authority of a resolution adopted by its Board of
 Directors at a meeting called and held on the 8th day of FEBRUARY, 1961, which said
 resolution is still in full force and effect and of which the following is a true and complete copy:

"RESOLVED, that the President or any Vice-President may from time to time appoint Resident Vice-Presidents, Resident
 Assistant Secretaries and Attorneys-in-Fact to represent and act for and on behalf of the Company, and either the President, or
 any Vice-President, the Board of Directors or the Executive Committee may at any time remove any such Resident Vice-President
 or Resident Assistant Secretaries and Attorneys-in-Fact and revoke the power and authority given him; and be it further

"RESOLVED, that Attorneys-in-Fact may be given full power and authority to execute for and in the name and on behalf of
 the Company, any and all bonds, recognizances, contracts of indemnity and other writings obligatory in the nature of a bond,
 recognizance or conditional undertaking, and any such instrument executed by any such Attorney-in-Fact shall be as binding
 upon the Company as if signed by the President and sealed and attested by the Secretary; and be it further

"RESOLVED, that the Attorneys-in-Fact are hereby authorized to verify any affidavit required to be attached to bonds, recog-
 nizances or contracts of indemnity, policies of insurance and all other writings obligatory in the nature thereof."

does hereby make, constitute and appoint

F. W. TROTTER, San Francisco, California

its true and lawful Attorney-in-Fact, with full power and authority to make, execute and deliver, for it, in its
 name and in its behalf, as surely any and all bonds and undertakings of suretyship.

And the execution of such bonds or undertakings, in pursuance of these presents, shall be as binding upon
 the said Corporation, as fully and completely to all intents and purposes, as if they had been duly executed and
 acknowledged by the regularly elected officers of the said Corporation in their own proper persons.

IN WITNESS WHEREOF, the PACIFIC INDEMNITY COMPANY
 has caused these presents to be signed by its Vice-President and its corporate seal to be hereto affixed, duly
 attested by its Assistant Secretary, this 8th day of March A. D. 1961

Attest: C. H. Lambertson Assistant Secretary. By R. L. Travis Vice-President.

STATE OF CALIFORNIA, } ss:
COUNTY OF LOS ANGELES }

On this 6th day of March A. D. 1961 before me personally came
R. L. Travis to me known, who, being by me duly

sworn, did depose and say, that he resides in the City of Los Angeles, California; that he is the Vice-President of the PACIFIC
INDEMNITY COMPANY
 the corporation described in and which executed the above instrument; that he knows the seal of said corporation, that the seal affixed
 to the said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation, and that he signed
 his name thereto by like order.

(Notarial Seal)

Marion F. Haire Notary Public.

STATE OF CALIFORNIA, } ss:
COUNTY OF LOS ANGELES }

My Commission expires November 11, 1963.

I, Ruth C. Savage Assistant Secretary of the PACIFIC
INDEMNITY COMPANY, do hereby certify that the above and foregoing is a true and
 correct copy of a Power of Attorney, executed by said PACIFIC INDEMNITY COMPANY
 which is still in force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company, at the City
 of Los Angeles, this 27th day of June A. D. 1968

Ruth C. Savage
Assistant Secretary.

December 9, 1968

Mr. Allan Newlands
Pacific Indemnity Group
100 Sansome Street
San Francisco, California 94106

Re: Buttes #1-14 Navajo
T7N, R9W, NSM
Sec. 14: SE/4 SE/4
Apache County, Arizona
Permit #466
Bond No. 326522

Dear Mr. Newlands:

Records of this office indicate that Buttes Gas & Oil
Company fulfilled their obligations to the State of Arizona
as to the requirements pertaining to the captioned well.
We authorize termination of the captioned bond effective this
date.

Yours truly,

John Bannister
Executive Secretary

JAL:jf

cc: Buttes Gas & Oil Company

CANCELLED
DATE 12-9-68

466



PACIFIC INDEMNITY GROUP

PACIFIC INDEMNITY COMPANY | TEXAS PACIFIC INDEMNITY COMPANY
NORTHWESTERN PACIFIC INDEMNITY COMPANY

100 SANBOME STREET • SAN FRANCISCO 94106

Dec. 6, 1968

Oil & Gas Conservation Commission
State of Arizona
Room 202
1624 West Adams
Phoenix, Arizona 85007

Subject: Bond No. 326522
Buttes Gas & Oil Co.

Gentlemen:

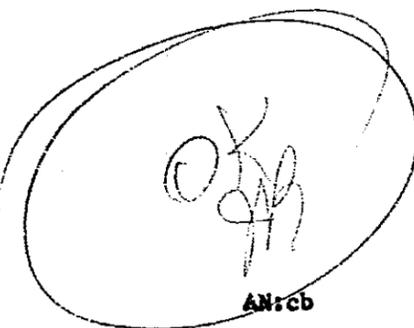
The subject Oil & Gas Drilling Bond covering
Sec. 14, Township 7 North, Range 9 West, N.S.M. containing 640
acres more or less, Apache County, Arizona was executed by the
Pacific Indemnity Company effective June 27th, 1968.

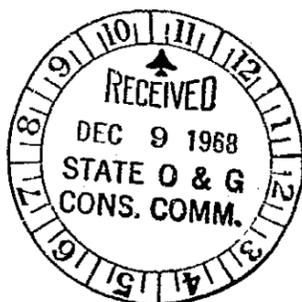
We have been advised by our Principal that
the subject bond has served its purpose and may now be terminated.
We would appreciate your advising the date that we may terminate
our file.

Thank you very much.

Very truly yours,


Allan Newlands
Fidelity & Surety Department


AN:cb



466

WILLIAM W. WHITLEY - petroleum geologist
420 c.a. johnson building
509 seventeenth street
denver - colorado - 80202
phone (303) 292-4820



August 16, 1968

Oil and Gas Conservation Commission
State of Arizona
Room 202
1624 West Adams
Phoenix, Arizona 85007

Attention: James A. Lambert, Ad. Asst.

Re: Buttes #1-14 Navajo
SE SE Section 14
Twp. 7N, Rge. 9W, NSM
Apache County, Arizona

Gentlemen:

Permit 466

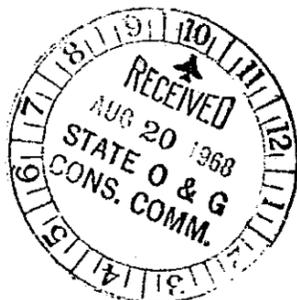
This is to advise you samples from the above mentioned well are on deposit at the Four Corners Sample Library in Farmington. We have instructed the library to keep the samples confidential for a six months period. At the end of this period we will forward a cut of the samples to your office.

Yours very truly,

W. Whitley

William W. Whitley

WW:ck



466

August 5, 1968

Buttes Gas & Oil Company
420 C. A. Johnson Building
Denver, Colorado 80202

Re: Buttes #1-14 Navajo
SE SE Sec. 14
T7N R9W NSM

Gentlemen:

Thank you for the copy of the United States Geological Survey form describing completion operations on the captioned well. Please furnish us our form 4, Well Completion Report. *Recd 8/12/68*

Please advise us of the date that you mailed samples from the captioned well to the Arizona Bureau of Mines in Tucson and to the Museum of Northern Arizona at Flagstaff.

Yours truly,

James A. Lambert
Ad. Asst.

JL:jf

M. THOMPSON & Co.

INC.

INSURANCE BROKERS

311 CALIFORNIA STREET
TELEPHONE 781-3641

SAN FRANCISCO 94104

July 1, 1968

AIRMAIL

State of Arizona
Oil and Gas Conservation Commission
1624 West Adams - Room 202
Phoenix, Arizona 85007

Attention: Mr. John Bannister
Executive Secretary

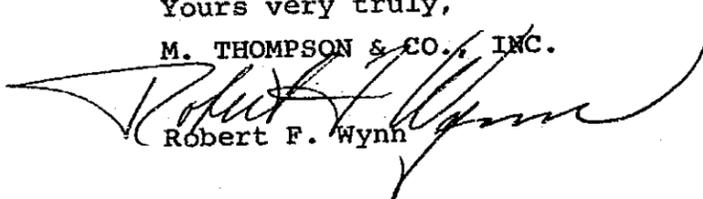
SUBJECT: BUTTES GAS & OIL CO.
Pacific Indemnity Company
Performance Bond No. 326522

Gentlemen:

We enclose the captioned Performance Bond on drilling in
Section 14, Township 7 North, Range 9 West, N.S.M. con-
taining 640 acres mor or less in Apache County, Arizona.

Yours very truly,

M. THOMPSON & CO., INC.


Robert F. Wynn

cc: Buttes Gas & Oil Co.
2150 Franklin Street/Oakland 94612

166

ESTABLISHED - 1901

