



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

4/23/69CEN

5-2-69

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To THE DEPARTMENT OF MINES,
Charleston, W. Va.

Robert L. Shuman, et ux and
George R. Farmer, Jr.
COAL OPERATOR OR COAL OWNER
Box 842, Morgantown, West Virginia and
316 Lebanon, Morgantown, West Virginia
ADDRESS

Phillips Petroleum Company
NAME OF WELL OPERATOR
Bartlesville, Oklahoma
COMPLETE ADDRESS

COAL OPERATOR OR COAL OWNER
ADDRESS
Same
OWNER OF MINERAL RIGHTS
ADDRESS

19
PROPOSED LOCATION
Morgan District
Monongalia County
Well No. A-1

Farmer "A" Farm
Elevation 2079.5' Acres 64

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated October 24, 1968, made by Robert L. Shuman & Elizabeth L. Shuman, his wife and George R. Farmer, Jr. & Mary A. Farmer, his wife, to Phillips Petroleum Company, and recorded on the 8th day of November, 1968, in the office of the County Clerk for said County in Book 680, page 332.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten* days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address 4/21/69 day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Phillips Petroleum Company

A. T. Slagle WELL OPERATOR Dist. Supt.
Box 287 STREET
Great Bend CITY OR TOWN
Kansas 67530 STATE



Address of Well Operator }

11/24/2023

*Section 3 If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

BLANKET BOND

321
MON-321 PERMIT NUMBER



PHILLIPS PETROLEUM COMPANY

10-Days

Great Bend, Kansas
April 21, 1969

Farmer "A" Well No. 1
Monongalia County, West Virginia

Department of Mines
Oil & Gas Division
State of West Virginia
Charleston, West Virginia 25300

Gentlemen:

Attached are the original tracings of the location plats and Form OC-1 covering the well we propose to drill in Monongalia County, West Va.

As provided in Section 2, Article 4, Official Code of West Virginia, pertaining to oil and gas laws, we are forwarding to the owners of coal and other mineral rights, at the addresses shown below, copies of the above mentioned documents.

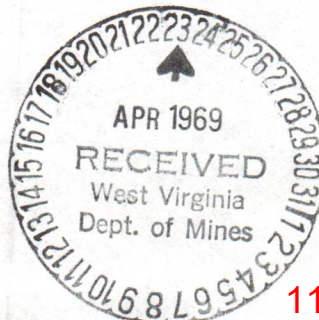
We have previously furnished a blanket bond for the State of West Virginia, in lieu of furnishing a separate bond for each drilling well.

Yours truly,

A. T. Slagle
District Superintendent
Box 287
Great Bend, Kansas 67530

JRM:wld
Attach

cc: Robert L. Shuman, et ux - Box 842 - Morgantown, West Virginia
George R. Farmer, Jr. - 316 Lebanon - Morgantown, West Virginia
(CERTIFIED MAIL-RETURN RECEIPT REQUESTED)
Attach



11/24/2023



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

WALTER N. MILLER
DIRECTOR

ROBERT L. DODD - P. E.
DEPUTY DIRECTOR

May 2, 1978

Mr. John E. Northeimer, Geologist
Industrial Waste Section - Permits Branch
Water Resources Division
Department of Natural Resources
1201 Greenbrier Street
Charleston, West Virginia 25311

Re: Disposal Application #W-139
Oil and Gas Division Permit # MAR-321

Dear Mr. Northeimer:

We have reviewed the disposal application for the above captioned well and feel that the well construction and plan of monitoring the disposal process appears to be adequate.

We recommend the disposal permit be approved.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Robert L. Dodd".

Robert L. Dodd, Deputy Director
Oil and Gas Division

RLD/lrs

11/24/2023



Note: Consolidated Gas Supply Corp. assumed 100% ownership of this well effective 12:01 AM, June 11, 1969.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Morgantown

Permit No. MON-321

WELL RECORD

Oil or Gas Well Gas

Company Phillips Petroleum Company
 Address Box 287, Great Bend, Kansas 67530
 Farm FARMER "A" Acres 64
 Location (waters) 4,100' S of Lat 39°35' and 13,100' W of Long 79°50'
 Well No. 1 Elev GL 2079.5'
 District Morgan County Monongalia
 The surface of tract is owned in fee by Rob't L. Shuman et al & Geo. R. Farmer, Jr. Address Morgantown, W. Va.
 Mineral rights are owned by Same Address _____
 Drilling commenced 5-17-69
 Drilling completed 6-7-69
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume See reverse side Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED Pmpd plug down w/1000 gals MSA acid & 106 BFW. See reverse side f/other acid jobs
 WELL FRACTURED See reverse side

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16		(OA)	
13-3/8" OD	52'	32'	50 sx by Hallib
10		(OA)	Size of
9-5/8" OD	1028'	1025'	350 sx by Hallib
8 3/4"		(LT)	Depth set
6 5/8" OD	8300'	8300'	225 sx by Hallib
3			Perf. top <u>7990</u>
2			Perf. bottom <u>8063</u>
Liners Used			Perf. top <u>(35 holes)</u>
			Perf. bottom _____

CASING CEMENTED 4 1/2" OD SIZE 8300 Less Thds 6-11-69 Date
 Hallib cmtd w/225 sx reg w/20% Diacel D

COAL WAS ENCOUNTERED AT 94-100 FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

3322.000

RESULT AFTER TREATMENT See reverse side

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water 88 Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface Soil, rock			0	53			FORMATION TOPS - Per Electric Logs
Sand & shale			53	333			Tulley Lime - 7457'
Shale & lime			333	924			Onondaga Lime - 7972'
Lime, shale, sand			924	1003			Onondaga Chert - 7987'
Shale & lime			1003	1316			Oriskany Sand - 8179'
Shale			1316	1342			Helderberg Lime - 8236'
Shale & lime			1342	5377			
Shale			5377	7480			
Lime			7480	7510			
Lime & shale			7510	7800			
Shale			7800	7990			
Chert			7990	8200			
Sand			8200	8278			
Sand, Lime			8278	8300			
				8300			Total Depth



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. MON-321

Oil or Gas Well _____
(KIND)

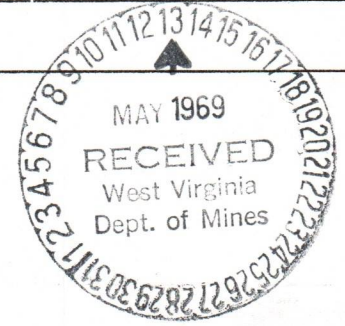
Company PHILLIPS PETROLEUM
 Address BARTLESVILLE, OKLA.
 Farm FARMER
 Well No. A-1
 District MORGAN County MON.
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: LOCATION STAKED.



5-9-69
DATE

Arthur M. Hill
DISTRICT WELL INSPECTOR
11/24/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

ROTARY

Permit No. MAN - 321

Oil or Gas Well _____
(KIND)

Company <u>PHILLIPS PETROLEUM</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>BARTLESVILLE, OKLA.</u>	Size		
Farm <u>FARMER</u>	16			
Well No. <u>A-1</u>	13			
District <u>MORGAN</u> County <u>MAN</u>	10			Size of _____
Drilling commenced <u>5-19-69</u>	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.				
Fresh water <u>NONE</u> feet _____ feet				
Salt water <u>NONE</u> feet _____ feet				

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT 94 FEET 174 INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: CONT. FAIRMAN DRG. CO.
DRG-409



5-19-69
DATE

Arthur Mills
DISTRICT WELL INSPECTOR

11/24/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

Permit No. MAN-321

FINAL

Oil or Gas Well GAS
(KIND)

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS				
																Size			Kind of Packer				
<u>PHILLIPS PETROLEUM</u>	<u>GREAT BEND, KANSAS</u>	<u>FARMER - A</u>	<u>A-1</u>	<u>MORGAN</u>	<u>MAN</u>											16							
																13							
																10			Size of				
																8 1/4							
																6 5/8			Depth set				
																5 3/16							
																3			Perf. top				
																2			Perf. bottom				
																Liners Used			Perf. top				
																			Perf. bottom				
																CASING CEMENTED				SIZE	No. FT.	Date	
																NAME OF SERVICE COMPANY							
																COAL WAS ENCOUNTERED AT				FEET	INCHES		
																FEET		INCHES	FEET	INCHES			
																FEET		INCHES	FEET	INCHES			

Drillers' Names _____

Remarks: Well in good order for release.

BOND CANCELLED
RETURNED TO WELL OPERATOR AND/OR PRINCIPAL

8/5/ 1969

7-29-69
DATE

Arthur Null
DISTRICT WELL INSPECTOR

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)
(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM.

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	-	New onshore production well
107	-	High cost natural gas
108	-	Stripper well

Other Purchasers/Contracts:

<u>Contract Date</u> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

Applicant is an interstate pipeline company. Its production from the subject well is delivered into its pipeline system and is therefore not subject to a field sales contract.

11/24/2023

PARTICIPANTS:

DATE: AUG 15 1979

BUYER-SELLER CODE

WELL OPERATOR: Consolidated Gas Supply Corp.

004228

FIRST PURCHASER: General System Purchasers

none

OTHER:

Revised permit on lease for 9/2 of 1978

R. S. JPH

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
790227-108-061-0321
 Use Above File Number on all Communications
 Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO. [Calculate average monthly production & put on IV-39]

- 1 FERC-121 Items not completed - Line No. _____
- 2 IV-1 - Agent J.W. Hendrickson
- 3 IV-2 - Well Permit _____
- 4 IV-6 - Well Plat
- 5 IV-35- Well Record Drilling Deepening _____
- 6 IV-36- Gas-Oil Test: Gas Only Was Oil Produced? Ratio _____
- 7 IV-39- Annual Production 3 years
- 8 IV-40- 90 day Production 90 Days off Line: _____
- 9 IV-48- Application for Certification. Complete?
- 10 - 17 IV Form #51 - 52 - 53 - 54 - 55 - 56 - 57 - 58. Complete Affidavit Signed
- 18 - 28 Other: Survey _____ Logs _____ Geological Charts _____ Structure Map _____

1:4000 Map _____ Well Tabulations _____ Gas Analyses _____

- (5) Date ~~Commenced~~: 5-17-69
Frac date: 6-7-69 drilling Deepened _____
- (5) Production Depth: 7990 - 8003
- (5) Production Formation: Chert, Sand, lime
- (5) Final open flow: 3322 MCF
~~Initial Potentials~~
- (5) Static R.P. ~~_____~~ after frac: 3500 *
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: 91.49 MCF 30651/335
- (8) Avg. Daily Gas from 90-day ending w/1-120 days 46.96 MCF 4226/90
- (8) Line Pressure: 0 PSIG from Daily Report
- (5) Oil Production: _____ From Completion Report _____

(10-17) Does lease inventory indicate enhanced recovery being done: 11/24/2023

(10-17) Is affidavit signed? Notarized?

Does official well record with the Department confirm the submitted information? yes

Additional Information _____ Does computer program confirm? _____

Was Determination Objected to? _____ By Whom? _____

R.S., JPH, DN

Date Dec 31, 1978

Operator's Well No. 11181

API Well No. 47 - 061 - 321
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. _____
(If Applicable)

WELL OPERATOR Consolidated Gas Supply Corp. DESIGNATED AGENT J. W. Hendrickson

ADDRESS 445 West Main Street

ADDRESS 445 West Main Street

Clarksburg, West Virginia 26301

Clarksburg, West Virginia 26301

Gas Purchase Contract No. NA and Date _____
(Month, day and year)

Meter Chart Code NA

Name of First Purchaser None; Gas is delivered into applicant's
interstate pipeline system
(Street or P. O. Box)

(City) (State) (Zip Code)

FERC Seller Code 004228

FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of NGPA 108 Category Code _____
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

J. W. Hendrickson V.P. Gas Supply
Name (Print) Title

Signature

445 West Main Street
Street or P. O. Box

Clarksburg, West Virginia 26301
City State (Zip Code)

(304) 623-3611
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

CERTIFICATE OF SERVICE

This will certify that Applicant has served a complete copy of this document and attachments thereto, if any, including FERC Form 121, properly addressed and with postage prepaid upon the identified purchaser, if any, of the natural gas which is the subject of this application.

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request, for certification of the above described well as meeting the requirements of Section _____ under the Natural Gas Policy Act of 1978. (NGPA); or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA)

All interested parties are hereby notified that on the _____ day of _____, 19____, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____

Initial review of information submitted indicates the well is. is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except, on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

Robert H. [Signature]
Director

FEB 27 1979

Date received by _____
Jurisdictional Agency

By _____
Title _____

11/24/2023

Date Dec. 31 1978

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Operator's
Well No. 11181

API Well
No. 47 - 061 - 321
State County Permit

WELL CLASSIFICATION FORM

STRIPPER GAS WELL

NGPA Section 108

DESIGNATED AGENT J. W. Hendrickson

ADDRESS 445 West Main Street

Clarksburg, West Virginia 26301

WELL OPERATOR Cons. Gas Supply Corp. LOCATION: Elevation 2079

ADDRESS 445 West Main Street

Watershed _____

Clarksburg, W. Va.

Dist. MORGAN County MORGAN Quad. MORGAN

GAS PURCHASER None; gas is de-

Gas Purchase Contract No. N/A

ADDRESS livered into applicant's

Meter Chart Code N/A

interstate pipeline system

Date of Contract N/A

* * * * *

Provide a complete inventory of the lease and production equipment used for the well for the previous 24 months or, if less than 24 months, the period the well has been in production. Include a complete list of equipment or processes used in connection with recognized enhanced recovery techniques during completion or production. (Attach separate sheets, if necessary.)

See attachment; compression, dehydration, or related equipment indicated on the attached inventory, and hydraulic fracturing, shooting, or similar completion processes indicated on the attached well records, are used in connection with recognized enhanced recovery techniques during production or completion.



List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax Records and royalty payment records) and indicate the location of such records:

Applicant's oil and gas production records* (which are largely computerized) constitute its primary and most reliable source of information relevant to a determination of eligibility. From these records Applicant derives information used by it in connection with royalty payments, tax payments, and general statistical uses, and records of these matters are also maintained. All of the above records are located at Applicant's offices at 445 West Main Street, Clarksburg, West Virginia.

11/24/2023

Describe the search made of any records listed above.

As indicated, Applicant's primary oil and gas production records have been largely computerized. In preparing this application, Applicant, by use of its computers, generated a listing of those of its wells which produced non-associated natural gas at a rate not exceeding an average of 60 Mcf per production day (at maximum efficient rates of flow) during the 90 day production period indicated on the attachment. These listings were checked and verified manually by two or more Applicant's employees. The results of this diligent search and examination indicated that the well which is the subject of this application qualifies as a stripper well; see attached data submitted in compliance with applicable regulations of this agency and the Federal Energy Regulatory Commission.

Are you aware of any other information which would tend to be inconsistent with the information specified above? Yes ___ No X. If yes, indicate the type and source of the information.

AFFIDAVIT

I, J. W. Hendrickson, having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief, the well for which this certification is sought qualifies as a stripper well.

J. W. Hendrickson

STATE OF WEST VIRGINIA,

COUNTY OF HARRISON, TO WIT:

I, Ralph D. Bradley, a Notary Public in and for the state and county aforesaid, do certify that J.W. Hendrickson, whose name is signed to the writing above, bearing date the ___ day of DEC 31 1978, 19___, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 9 day of Feb, 1979.

My term of office expires on the 13th day of September, 1986.

Ralph D. Bradley
Notary Public

(NOTORIAL SEAL)

11/24/2023

ALBEC

CONSOLIDATED GAS SUPPLY CORPORATION--SOUTHERN REGION

478 Mo. Pro.

DATE COMPLETED 6/27/1969
DATE INTO LINE 2/26/70
SPUD DATE 5/18/69

30651 - 2786.45 MCF
11

ORIG OPEN FLOW 3322 MCF
ORIG ROCK PRES 3500 PSI
PCT INTEREST 100.0000
TOWNSHIP 6
PRE 10/07/69 LEASE
LAST LINE PRESSURE 0

WELL NUMBER 11181
COMPANY FORMATION CODE 222
DISTRICT MANINGTN
COUNTY 61
METER NUMBER-999999999
ROCK PRESSURE 0 IN 0/0
PERMIT NUMBER 321

GROSS MONTHLY PRODUCTION IN MCF

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1976 PROD	0	0	0	0	0	0	0	0	0	0	2900	3711	6611
DAILY AVG	0	0	0	0	0	0	0	0	0	0	96	119	108
SPEC. GRAV.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1977 PROD	2518	1613	3089	3103	3472	3180	32	0	1028	4456	3799	3917	30207
DAILY AVG	81	57	99	103	112	106	1	0	34	143	126	126	82
SPEC. GRAV.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1978 PROD	3294	3004	3318	3202	2649	4070	3301	3583	3244	366	616	0	30651
DAILY AVG	106	107	107	106	85	135	106	115	108	11	20	0	91
SPEC. GRAV.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

11/24/2023

26



STATE OF WEST VIRGINIA
DEPARTMENT OF NATURAL RESOURCES
CHARLESTON 25305

RECEIVED

APR 27 1978

OIL & GAS DIVISION
DEPT. OF MINES

DAVID C. CALLAGHAN
Director

TRANSMITTAL OF APPLICATION
FOR
DEEP WELL DISPOSAL PERMIT

April 24, 1978

Mar-321

TO: _____ DIRECTOR OF W. VA. GEOLOGICAL AND ECONOMIC SURVEY.

X DEPUTY DIRECTOR OF DIVISION OF OIL & GAS, DEPARTMENT OF MINES.

Enclosed find a copy of proposed application No. W-139 , submitted by Phillips Petroleum Co., P. O. Box 1967, Houston, Texas 77001 received at Division of Water Resources on April 19, 1978.

Please review and send your written recommendations approving or disapproving the granting of a permit to this Agency promptly, giving the reason or reasons for such recommendation as stated in Chapter 20, Article 5A, Section 7(a) of the Water Pollution Control Act and Section 19 of the regulations.

Since Section 7.e of the same Article requires that the Chief issue a permit or an order denying a permit within ninety (90) days of receipt of the completed application, your recommendations must be received at the Division of Water Resources prior to May 15, 1978.

Thank you for your cooperation.

Very truly yours,

WATER RESOURCES DIVISION

John E. Northeimer
John E. Northeimer, Geologist
Industrial Waste Section
Permits Branch

JEN/gs

11/24/2023

WRD 1-69

RECEIVED

APR 27 1978

Application No. W- 139

Date Issued _____

OIL & GAS DIVISION
DEPT. OF MINES

Date Filed _____

STATE OF WEST VIRGINIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RESOURCES
CHARLESTON 25311

RECEIVED

APR 19 1978

INDUSTRIAL WASTE SECTION
DIVISION OF WATER RESOURCES

APPLICATION FOR WATER POLLUTION CONTROL PERMIT
DISPOSAL OF INDUSTRIAL WASTES
SUBSURFACE DISPOSAL

In accordance with Article 5A, Chapter 20 of the Code of West Virginia, as amended.

Phillips Petroleum Co., P.O.Box 1967, Houston, Texas 77001
(Name and Address of Applicant)

Phillips Petroleum Co., P.O.Box 1967, Houston, Texas 77001
(Name and Address of Well Operator)

R. A. Husted, 123½ Holland Ave., Westover, W. Virginia 26505
(Name and Address of Responsible Agent)

hereby make application for the issuance of a Water Pollution Control Permit to:

- acquire, construct, install, modify or operate a disposal system or part thereof for the direct or indirect discharge or deposit of treated or untreated sewage, industrial wastes or other wastes or the effluent therefrom into the waters of this State, or any extension to or addition to such disposal system.
- increase in volume or concentration of any sewage, industrial wastes or other wastes in excess of the discharges or disposition specified or permitted under any existing permit.
- extend modify or add to any establishment, the operation of which would cause an increase in the volume or concentration of any sewage, industrial wastes or other wastes discharging or flowing into the waters of the State.
- operate any disposal well for the injection or reinjection underground of any industrial wastes, including, but not limited to, liquids, or gases, or convert any well into such a disposal well or plug or abandon any such disposal well.

11/24/2023

The applicant hereby certifies that the following information is true and correct to the best of the applicant's knowledge and belief and that the applicant has in operation or can reasonably be expected to place in operation the establishment, disposal system or disposal well described within _____ days after receipt of any permit issued pursuant to this application.

I. Location of Proposed Establishment, Disposal System or Disposal Well.

- 1. Lease Barth "A"
- 2. Well No. 1
- 3. District Winfield
- 4. Survey 12,650 South of 39 deg 27'-30" + 7400' West of 80 deg 0'
- 5. Abstract Fairmont East Quadrangle
- 6. County Marion
- 7. Distance (in miles) and direction from nearest town 3 miles southeast of Fairmont

II. Proposed Injection Program.

- 1. a. _____ Operate new disposal well.
 - b. _____ Extend, modify or add to establishment.
 - c. _____ Acquire, construct, install, modify or operate a disposal system (disposal well).
 - d. _____ Increase in volume or concentration of wastes in excess of existing permit.
 - e. Convert existing well. Dispose of frac water now contained in surface pit
2. Type of waste Salt water used in frac treating Onondaga & Oriskany zone (see analysis attached).
3. Depth (s) of injection intervals Through casing perforations 7375-7632, if unsuccessful alternate zones used 2836-3046 or 2126-2206 or 1622-1684.
4. Depth of well 7673 PBD 7736 TD


III. Submit with Application.

- 1. Preliminary Report: Title Geologic and Disposal Parameters - Barth "A" No. 1
- 2. Prepared by David Sutton

Under Direction of D. C. Smith
(Professional Geologist or Registered Professional Engineer)

11/24/2023

It is understood that any water Pollution Control Permit issued pursuant to this application may be revoked or suspended and all of the enforcement procedures set forth in Article 5A, Chapter 20 of the Code of West Virginia invoked in the event that (1) future investigations disclose conditions other than stated in this application; or (2) there is failure to comply with the terms and conditions of any such permit issued pursuant to this application, with the plans and specifications submitted herewith, or with the plan of maintenance and method of operation submitted herewith.

By 
(Signature and Title)

G. B. Heckler, Superintendent

For PHILLIPS PETROLEUM COMPANY

GEOLOGIC AND DISPOSAL PARAMETERS

BARTH A NO. 1

PRELIMINARY REPORT

1. Chemical and physical properties of waste water are attached.
2. Rate of disposal - Max = 420 GPM, Average = 360 GPM.
3. Total volume of waste water = 672,000. No wells are served - all of the waste water is presently in surface pits.
4. Average pressure at wellhead = 2,000 PSI.
Maximum pressure at wellhead = 3,000 PSI.
5. Disposal will be in the Barth A #1 Onandaga and Oriskany Sands. This well was completed as a gas well on October 20, 1977. There is no available market for the gas.
6. The injection interval will be from 7375 - 7632 feet. If this proves unsuccessful, we will perforate successively and use 1) Speechley and Balltown (2836-3046), 2) 4th and 5th Sands (2126-2206), and 3) Gantz (1622-1684).
7. The fresh water depth is 85. There are no active or abandoned gas, oil, or water wells within 1,000' of the proposed disposal well.
8. a) Analysis of formation water is attached.

b) Onandaga limestone and chert section is a medium gray, micro crystalline limestone and gray to brown, silty shales interbedded in gray, highly fractured cherts. The Oriskany sandstone is gray, fine-medium-coarse grained, quartz grains are sub-round, fair to poorly sorted, calcareous cemented with some sandy shale beds near bottom.

c) The matrix of the Onandaga-Oriskany strata is low in permeability; however, it is extremely fractured. It is low in permeability with a high degree of lateral continuity.

d) Both waters are saline and we anticipate no problem with mixing them.

e) We plan no prior treatment prior to injection.
9. a) The information requested is not applicable. This is a one-time disposal. No other wells will be served.

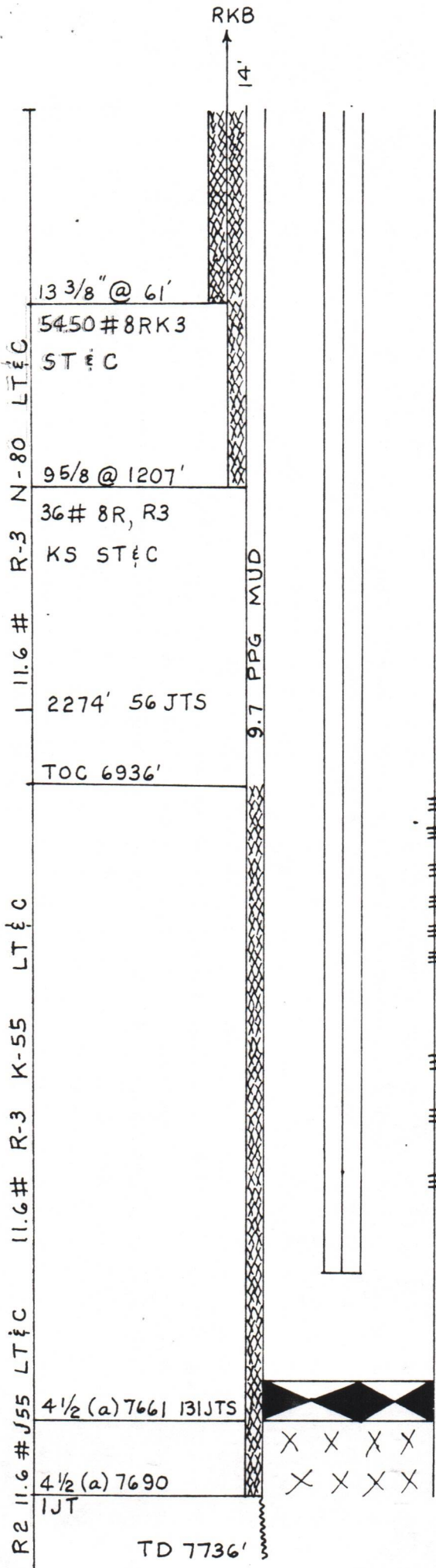
b) See Well Plat.

11/24/2023

- c) Fracture treating history indicates injection pressure will be 3,000 PSI. The fluid will be injected through tubing with packer. Annuli pressures will be monitored during disposal of 672,000 gallons. If necessary to use alternate zones for disposal, we anticipate pressures of 1800# (based on treating pressures of these zones in Burns Chapel Field).
 - d) No monitoring wells are planned since this is a one time disposal, and the proposed zones are well below the fresh water aquifers.
- 10. The Phillips No. 1 Barth is located on the Chestnut Ridge anticline, a major, northeast-southwest grending surface fold.
 - 11. Well Log and Well Plat are attached.

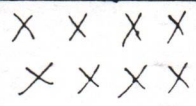
BARTH A-1
NEEL AREA
MARION CO.
W. VIRGINIA

TUBING SUMMARY
243 JTS 2 3/8" EUE
4.7# EUE SMLS T&C
J-55 R6-2 8R



≡ Pf	7375-83'	1 HPF
≡ Pf	7410-16'	"
≡ Pf	7440-58	"
≡ Pf	7472-82	"
≡ Pf	7495-05	"
≡ Pf	7510-20	"
≡ Pf	7566-76	1 HPF
≡ Pf	7604-07	"
≡ Pf	7624-32	"

7659' LATCH PLUG & BAFFLE



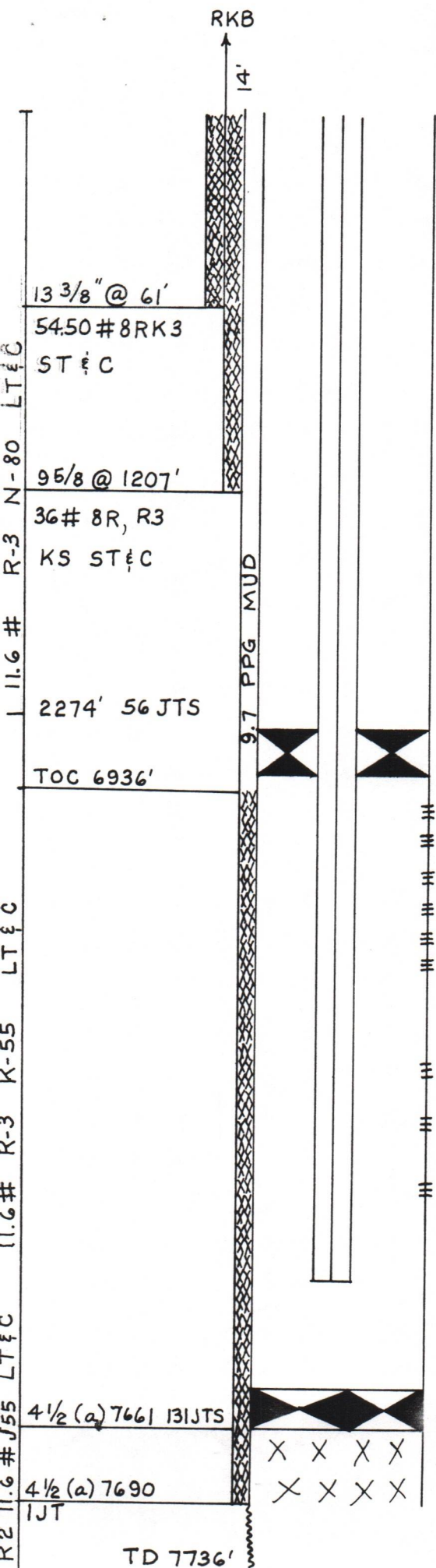
TD 7736'

11/24/2023

BARTH A-1
NEEL AREA
MARION CO.
W. VIRGINIA

TUBING SUMMARY
243 JTS 2 3/8" EUE
4.7# EUE SMLS T&C
J-55 R6-2 8R

PROPOSED COMPLETION



- ≡ Pf 7375-83' 1 HPF
- ≡ Pf 7410-16' "
- ≡ Pf 7440-58 "
- ≡ Pf 7472-82 "
- ≡ Pf 7495-05 "
- ≡ Pf 7510-20 "

- ≡ Pf 7566-76 1 HPF
- ≡ Pf 7604-07 "
- ≡ Pf 7624-32 "

BOT 2 3/8" TBG 7631'

7659' LATCH PLUG & BAFFLE

WATER RESOURCES DIVISION
RECORD OF CHEMICAL ANALYSES

Location PHILLIPS PETROLEUM C
FARMOUNT

Analyses in mg/l unless otherwise noted.

Sampling Point	Date Col.	Mineral Acidity	Total Acidity	M.O. Alk.	pH Units	Sulfate	Iron	ALUMINUM	MANGANESE
1	1/3/78	850	1150	—	1.8	17	84	26	6.3
2	"		6240	—	4.5	2	3264	31	70
3	"		98	13	6.4	24	66	23	13
4	"		10	7	6.1	13			
5	"		15	2	4.9	10	0.36	0.94	1.4
		SS	SS	SS	SS	BW	SW	SW	SW

Sampling Point	Date Col.	pH Units	Turb. JC Units	Appear-ance	CHLORIDES	HARDNESS	SOLIDS		
							Total	Susp.	Diss.
1	1/3/78				2490			4	2157
2	"				*			492	22,212
3	"				2090			1055	3444
4	"				4	18		63	37
5	"				850	BW		3	223
					BW				BW

Sampling Point	Date Col.	ARSENIC ug/l	COPPER	ZINC	MERCURY ug/l	DETER- GENT NIBAS	COD	TOC
1	1/3/78	3	0.14	0.14	0.3	0.30	444	41
2	"	2	0.12	0.12		0.30	1505	337
3	"	8	0.13	0.60	0.4	1.3	244	34
4	"							
5	"	<2	<0.01	0.04	0.2			
		WT	SW	SW	SW	FW	SW	WT

11/24/2023

* could not run.

DIVISION OF WATER RESOURCES
 Sampler's Report Form

5056

11/24/2023

DATE: 1/3/78
 WEATHER: COLD
 TOWN: PHILLIPS Petroleum Co.
 COMPANY: PHILLIPS Petroleum Co.
 OTHER: PLANT DESIGNATION: PARRY GASWELL # A-4
 NEAR FAIRMOUNT

LOCATION: Donham Run
 STREAM: Donham Run
 BASIN: Monon
 COUNTY: Marion

Sample Point No.	Sample Point Description	Sample Appearance (Field)	Bottle No.			Time	Temp.	Rou-tine	OTHER ANALYSES DESIRED
			BOD	DO	Coli.				
1	Run 'A' (Surface)	Clear (Broke Ice)				1:30 PM		PH, Acids, Alka, Chlorides, Sulfates, Detergents, TDS, TSS, Fe, Mn, Cu, Zn, Pb, AS, COD, TOC	
2	Run 'A' (Value Discharge)	Clear to Yellow				1:50 PM		Same as above	
3	Run 'B' (Surface)	near black				2:15 PM		TDS, TSS, Fe, pH, Mn, Cu, Zn, Pb, Chlorides, Sulfates,	
4	Run 'C' (Surface)	Clear				2:55 PM		Alkalinity, Detergents	
5	Donham Run	Clear						Alkalinity, Detergents	

- ROUTINES:
- COAL
 PH
 Solids (T.S. & D.)
 Appearance
 Turbidity
 - MINE DRAINAGE
 PH
 Solids (T.S. & D.)
 Hot Acidity
 Alkalinity
 - MUNICIPAL
 PH
 Solids (T.S. & D.)
 Coliform

SAMPLER: Randy Sove

SKETCH

PHILLIPS PETROLEUM COMPANY

LABORATORY ANALYSIS RESULTS SUMMARY

Sample of Water
 Secured from See Below
 Secured by Ed Hicks & H.A. Smith Date 10-5-77
 Analysis No. W-51-77

FORMATION WATER

	<u>Bohe A-1</u>	<u>Barth A-1</u>
	<u>PPM</u>	<u>PPM</u>
P (Mg/L as CaCO ₃)	0	0
M "	260	0
Cl (Mg/L as Chloride)	150000	125000
TH (Mg/L as CaCO ₃)	67000	90000
CAH "	58000	69000
SO ₄ (mg/L as Sulfate)	2.5	--1.5
pH	5.1	3.5
Sp. Gr. @60°	1.1754	1.1484

Remarks: Bohe A-1 Secured by H.A. Smith
Barth A-1 " " E.E. Hicks
Barth A-1 (Produced in situ Secured from separator
E-31-77 @ 2:30 PM)
Samples from Miller Co. W. Va.

Copies To:

Analysis by: Norris Checked by: _____

Approved by: _____

A
**Black Rock
Test Labs**

(Upper Pond)

Telephone (304) 296-8347
Route 7, Box 22A ♦ Eastgate Plaza ♦ Morgantown, WV 26505

and Geological Consultants

Phillips Petroleum Co.
Brookhaven
292-8233

Sample Submitted: 9/19/77 4:00PM Completed: 9/22/77
Sample Id #: W0101PP
Sample Condition: Full cubitainer (1qt) marked "Surface"

pH 1.35

Suspended
Solids 40mg/l

mg/l = ppm

Dissolved
Solids 10789 mg/l

Total
Solids 10829 mg/l

Iron 400mg/l

Oil &
Grease 30 mg/l

Chloride 8250 mg/l

Detergents 0.260 mg/l as LAS

Chemical
Oxygen Demand 2200mg/l

Appearance: "Clear" solution with faint yellow coloration
(20 FTU turbidity) Faint "sweet" aromatic
hydrocarbon odor

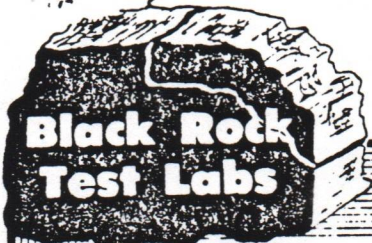
*James D. Stedel
Analyst*

11/24/2023

(Upper Pond)

Telephone (304) 296-8347

Route 7, Box 22A ♦ Eastgate Plaza ♦ Morgantown, WV 26505



**Black Rock
Test Labs**

and Geological Consultants

Phillips Petroleum Co.

Brookhaven

Sample Submitted: 9/19/77

Completed: 9/22/77

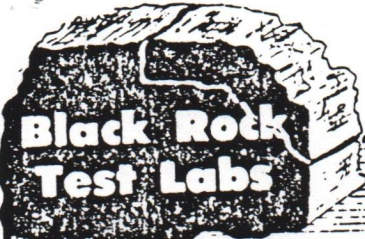
Sample ID #: W0102PP

Sample Condition: Full cubitainer (1qt) marked "Bottom"

pH	4.2	
Suspended Solids	240 mg/l	<i>mg/l = ppm</i>
Dissolved Solids	27740 mg/l	
Total Solids	27980 mg/l	
Iron	2640 mg/l	
Oil & Grease	120 mg/l	
Chloride	1475 mg/l	
Detergents	0.236 mg/l as LAS	
Chemical Oxygen Demand	6800 mg/l	

Appearance: Dark yellow-brown suspended material in clear solution
 492 FTU turbidity
 Sweet aromatic hydrocarbon odor similar to nitrobenzene

James A. Smith
 Analyst



(Lower pond)

Telephone (304) 296-8347
Route 7, Box 22A ◊ Eastgate Plaza ◊ Morgantown, WV 26505

and Geological Consultants

Phillips Petroleum

Brookhaven

Sample submitted: 9/19/77

Completed: 9/22/77

Sample ID # W0103PP

Sample Condition: Full cubitainer (1qt) marked " Reserve Pit"

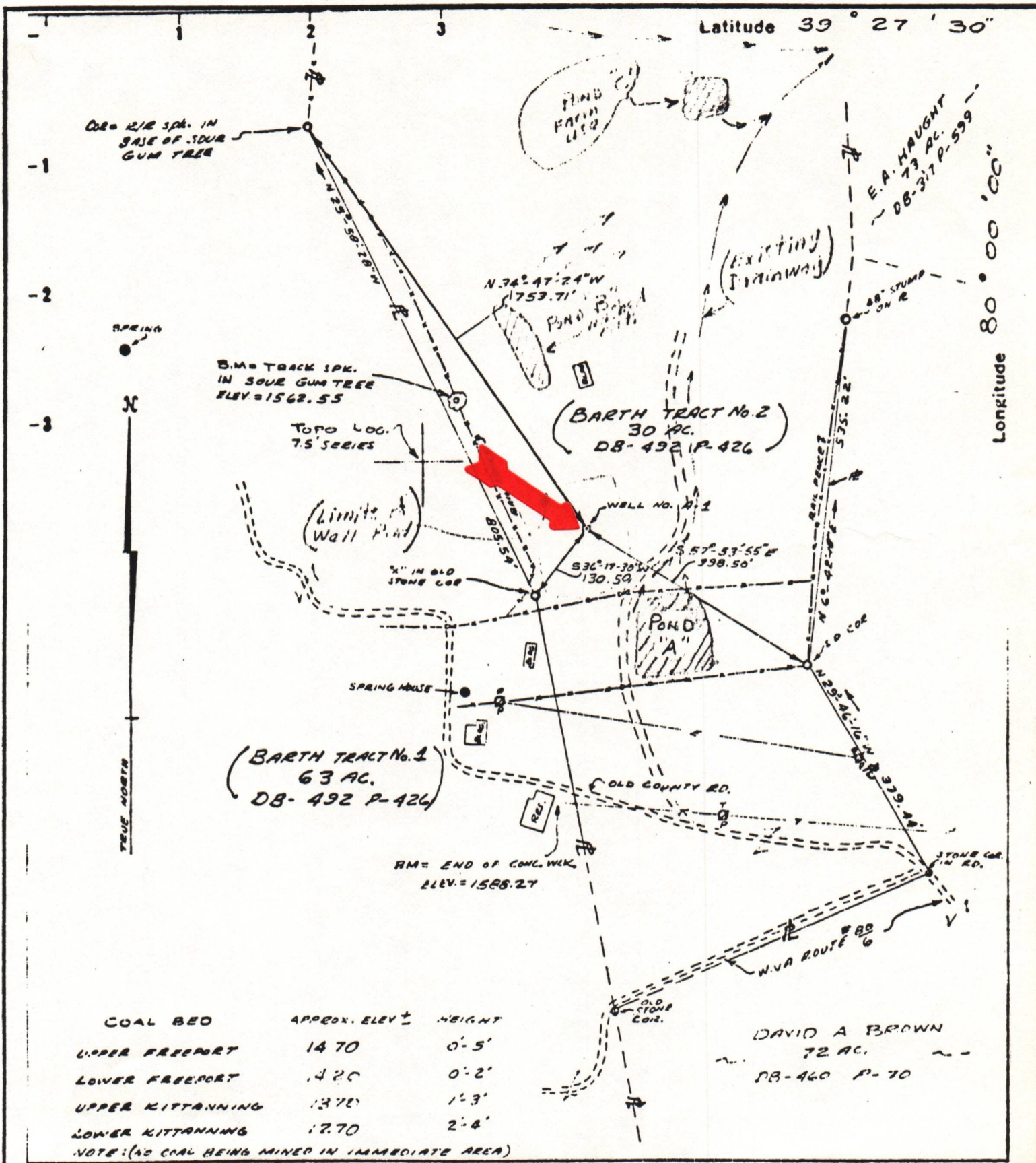
pH	3.3
Suspended Solids	32 mg/l
Dissolved Solids	12050 mg/l
Total Solids	12082 mg/l
Iron	87 mg/l
Oil & Grease	1750 mg/l
Chloride	3425 mg/l
Detergents	0.496 mg/l as LAS
Chemical Oxygen Demand	1760 mg/l

mg/l = ppm

Appearance: Clear solution with finely divided and suspended yellow material
16 FTU turbidity
Faint "oily" smell

(WASHED OUT)

James A. Smith
Chemist



(GAS WELL.)

H&B SURVEYING TECHNICIANS & ASSOCIATES, INC.

MORGANTOWN, W. VA.

John W. Harris W.V.A. L.L.S. # 72-CH.
12-22-77

PROPERTY OF

PHILLIPS PETROLEUM COMPANY
BARTH WELL NO A-1

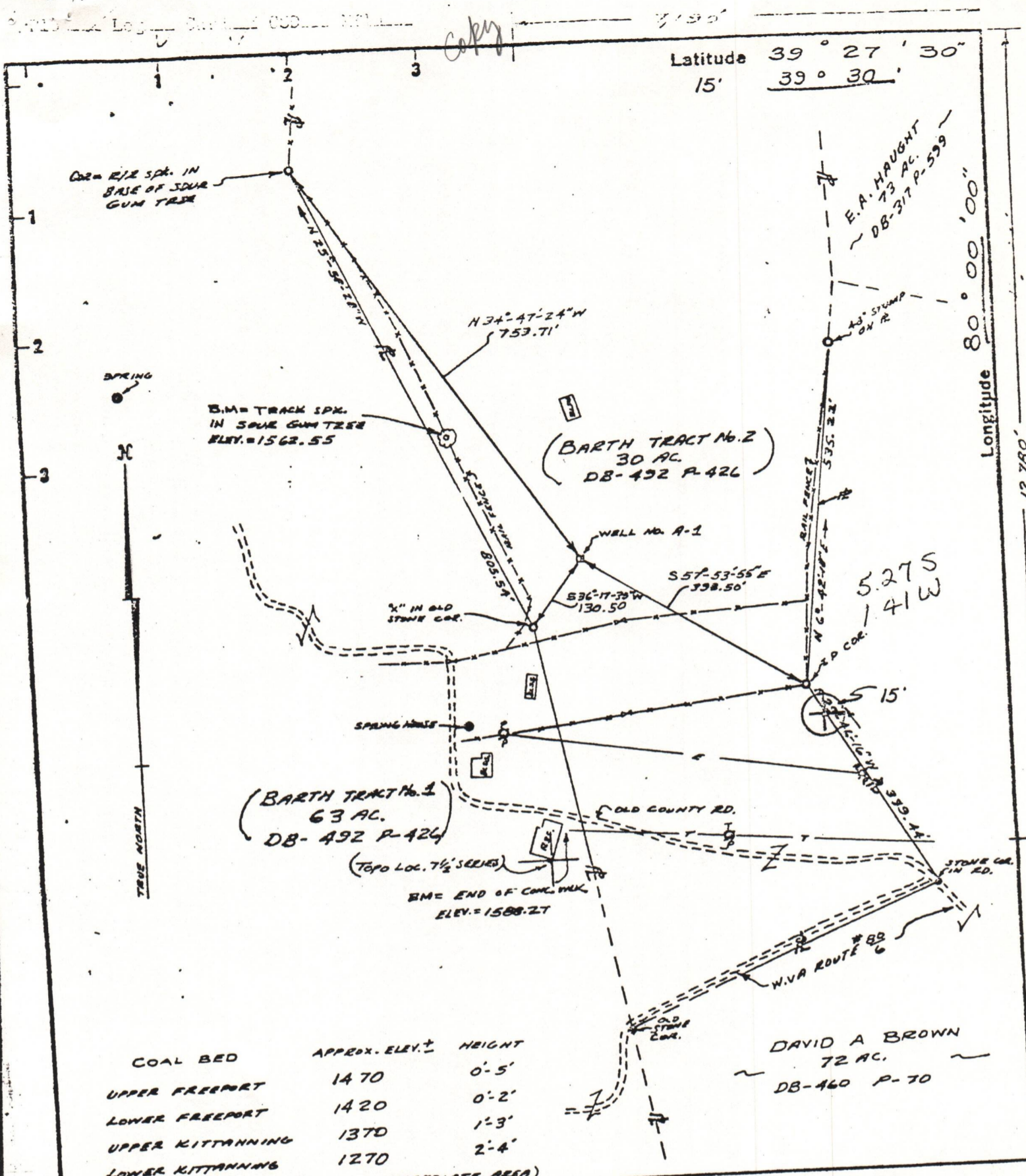
LOT PONDS & WELL AREA 1/24/2023

SUBDIVISION MARION COUNTY
WARD WINFIELD DISTRICT
TOWN W.V.A.

DATE 12-22-77

SCALE 1" = 200'

11/24/2023



COAL BED	APPROX. ELEV. ±	HEIGHT
UPPER FREEPORT	1470	0'-5'
LOWER FREEPORT	1420	0'-2'
UPPER KITTANNING	1370	1'-3'
LOWER KITTANNING	1270	2'-4'

NOTE: (NO COAL BEING MINED IN IMMEDIATE AREA)

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1/9500
 Source of Elevation (1958) B.M. 37 SKS 1956 AD + 1739'
 FAIRMONT EAST WVA QUADRANGLE
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company PHILLIPS PETROLEUM COMPANY
 Address Box 287, GREAT BEND, KANSAS
 Farm C. PAUL BARTH & MARY E. BARTH (DB-492 P-426)
 Tract No. 2 Acres 30 Lease No. 128853
 Well (Farm) No. BARTH No. A-1 Serial No. _____
 Elevation (Spirit Level) 1541.45' NE
 Quadrangle FAIRMONT EAST WVA
 County MARION District WINFIELD
 Engineer JOHN W. HARRIS / JOHN W. MORNE
 Engineer's Registration No. WVA-L.L.W.#12254
 File No. _____ Drawing No. _____
 Date 10-15-75 Scale 1" = 200'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. MAR-321 11/24/2023
 † Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.
 — Denotes one inch spaces on border line of original tracing. 47-049
 MAY 16 1977

RECEIVED

FERC-121 - 299b -

FEB 27 1979

1.0 API well number (If not available, leave blank. 14 digits.)	47-061-321 OIL & GAS DIVISION			
2.0 Type of determination being sought. (Use the codes found on the front of this form.)	108 Section of NGPA		- Category Code	
3.0 Depth of the deepest completion location. (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet			
4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.)	Consolidated Gas Supply Corporation Name 445 West Main Street Street Clarksburg City		004228 Seller Code W. Va. 26301 State Zip Code	
5.0 Location of this well. (Complete (a) or (b) 1) (a) For onshore wells (35 letters maximum for field name)	CREEK-CASCADE Field Name MONONGALIA County		290235 W. Va. State	
(b) For OCS wells	Area Name _____		Block Number _____	
	Date of Lease Mo Day Yr		OCS Lease Number _____	
(c) Name and identification number of this well. (35 letters and digits maximum.)	FARMER		11181	
(d) If code 4 or 5 in 2.0 above, name of the reservoir. (35 letters maximum.)	_____			
6.0 (a) Name and code number of the purchaser. (35 letters and digits maximum. If code number not available, leave blank.)	General System Purchasers Name		Buyer Code _____	
(b) Date of the contract	Mo Day Yr _____			
(c) Estimated annual production	17 MMcf			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-))	(d) Total of (a), (b) and (c)
7.0 Contract price (As of filing date. Complete to 3 decimal places)	2.224	_____	_____	_____
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places)	_____	_____	_____	_____
9.0 Person responsible for this application:	J. W. Hendrickson V. P. Gas Supply			
Agency Use Only	Name		Title	
Date Received by Juris. Agency	Signature		_____	
FEB 27 1979	Date Application is Completed		304-623-3611	
Date Received by FERC	Dec. 31, 1978		Phone Number	

11/24/2023

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**
(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below:

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	-	New onshore production well
107	-	High cost natural gas
108	-	Stripper well

Other Purchasers/Contracts:

<u>Contract Date</u> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

Applicant is an interstate pipeline company. Its production from the subject well is delivered into its pipeline system and is therefore not subject to a field sales contract.



State of West Virginia

Department of Mines
Oil and Gas Division
Charleston 5

August 5, 1969

Phillips Petroleum Company
Box 287
Great Bend, Kansas 67530

IN RE: Permit MON-321
Farm Farmer "A"
Well No. A-1
District Morgan
County Monongalia

Gentlemen:

The final inspection report for the Well which is described above has been received in this office.

Please be advised that the Well which is covered by the above permit number has been released under your Blanket Bond.

Very truly yours,

Deputy Director
Oil and Gas Wells Division

b

11/24/2023