

(Obverse)

7/85

RECEIVED  
OCT 21 1985



1) Date: October 17, 19 85  
2) Operator's Well No. #302  
3) API Well No. 47 State 035 County 2075 Permit

STATE OF WEST VIRGINIA  
DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
DEPARTMENT OF ENERGY APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil  / Gas  / B (If "Gas", Production  / Underground storage  / Deep  / Shallow )
- 5) LOCATION: Elevation: 597' Watershed: Right Fork of Sandy Creek  
District: Ravenswood 2 County: Jackson Quadrangle: Sandyville 7.5' 597
- 6) WELL OPERATOR Carl E. Smith CODE: 45650 7) DESIGNATED AGENT Carl E. Smith  
Address P.O. Box 4 Petroleum, Inc. Sandyville, WV 25275-0004 Address P.O. Box 4 Sandyville, WV 25275-0004
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Jerry Tephabock Address Rt. 1, Box 101-A Ripley, WV 25271
- 9) DRILLING CONTRACTOR: Name Carl E. Smith Petroleum, Inc. Address P.O. Box 4 Sandyville, WV 25275-0004
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate  / Plug off old formation  / Perforate new formation  / Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 12) Estimated depth of completed well, 4300 feet
- 13) Approximate trata depths: Fresh, 300 410 feet; salt, 1138 feet.
- 14) Approximate coal seam depths: N.A. Is coal being mined in the area? Yes  / No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>9 5/8</u>	<u>-</u>	<u>-</u>	<input checked="" type="checkbox"/>		<u>445' 530'</u>	<u>445' 530'</u>	<u>Back to Surface (as req. by 15.05)</u>	
Coal									
Intermediate	<u>7"</u>	<u>-</u>	<u>20#</u>	<input checked="" type="checkbox"/>		<u>2075'</u>	<u>2075'</u>	<u>75 sks. (as req. by 15.01)</u>	
Production	<u>4 1/2"</u>	<u>J-55</u>	<u>10.5</u>	<input checked="" type="checkbox"/>		<u>4300'</u>	<u>4300'</u>	<u>200 sks. (as req. by 15.01)</u>	
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-035-2075

OCTOBER 28 19 85  
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof. Permit expires OCTOBER 28, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>ALB</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>3036</u>	WPCP: <u>MW</u>	S&E: <u>MW</u>	Other: <u>MW</u>
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[Signature]  
Director, Division of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

12/01/2023 File



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OCT 1 1987

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) WELL TYPE: A OR B (If "Gas", Production) B (If "Oil", Production) C (If "Water", Production) D (If "Other", Production) E (If "Other", Production) F (If "Other", Production) G (If "Other", Production) H (If "Other", Production) I (If "Other", Production) J (If "Other", Production) K (If "Other", Production) L (If "Other", Production) M (If "Other", Production) N (If "Other", Production) O (If "Other", Production) P (If "Other", Production) Q (If "Other", Production) R (If "Other", Production) S (If "Other", Production) T (If "Other", Production) U (If "Other", Production) V (If "Other", Production) W (If "Other", Production) X (If "Other", Production) Y (If "Other", Production) Z (If "Other", Production)

2) LOCATION: District: \_\_\_\_\_ County: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_ Section: \_\_\_\_\_

3) WELL OPERATOR: Name: \_\_\_\_\_ Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

4) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: \_\_\_\_\_ Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

5) PROPOSED WELL WORK: Purpose: \_\_\_\_\_ Other physical change in well (specify): \_\_\_\_\_

6) APPROXIMATE COST: \_\_\_\_\_

7) ESTIMATED DEPTH OF COMPLETED WELL: \_\_\_\_\_

8) APPROXIMATE TARGET FORMATION: \_\_\_\_\_

9) APPROXIMATE COASTAL DEPTH: \_\_\_\_\_

10) APPROXIMATE COASTAL DEPTH: \_\_\_\_\_

11) CASING AND TUBING PROGRAM:

Casing or Tubing Type	Size	Depth	Casing		Tubing	
			Material	Weight	Material	Weight

OFFICE USE ONLY

This part of Form WW-2(B) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process	October	47-088-2072
Well Record received		
Reclamation completed		
OTHER INSPECTIONS		October 28, 1987

Reason: \_\_\_\_\_

Reason: \_\_\_\_\_



IV-9  
(Rev. 8-81)

DATE Oct. 12, 1985

WELL NO. Shepherd #302

State of West Virginia API NO. 47 - 035 - 2075

Department of Energy  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Carl E. Smith Petroleum Inc.  
Address P.O. Box 4 Sandsville, W.V.  
Telephone \_\_\_\_\_

DESIGNATED AGENT Carl E. Smith  
Address Same  
Telephone Same

LANDOWNER Robert L. & Harry Sheperd

SOIL CONS. DISTRICT Western

Revegetation to be carried out by Carl E. Smith Petroleum Inc. (Agent)

This plan has been reviewed by Wester II SCD. All corrections and additions become a part of this plan: 10/21/85 (Date)

Ermon Peate  
SCD Agent

ACCESS ROAD

LOCATION

STRUCTURE Cross Drains (A)  
Spacing See Sketch  
Page Ref. Manual 2-4

Structure \_\_\_\_\_ (1)  
Material F T Limestone  
Page Ref. Manual \_\_\_\_\_

STRUCTURE \_\_\_\_\_ (B)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (2)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

STRUCTURE \_\_\_\_\_ (C)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (3)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

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DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

All structures should be inspected regularly and repaired if necessary. commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

FERTILIZATION

Treatment Area I

Treatment Area II

Rate \_\_\_\_\_ Tons/acre  
or correct to pH 6.5  
Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)  
Manure Hay 2 Tons/acre  
Seed: Ky. 31 40 lbs/acre  
Redtop 6 lbs/acre  
Ladino Clover 3 lbs/acre

Rate \_\_\_\_\_ Tons/acre  
or correct to pH 6.5  
Fertilizer 500 lbs/acre  
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Ladino Clover 3 lbs/acre

Apply all legumes such as vetch, alfalfa and clovers with the proper bacterium. Apply with 3X recommended amount.

PLAN PREPARED BY Bruce E. Douk  
ADDRESS 293 Ash Circle  
Davisville, W.V. 26032  
PHONE NO. 465-4633

NOTE: Please contact landowner for cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

12/01/2023

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE Sandyville 7.5'

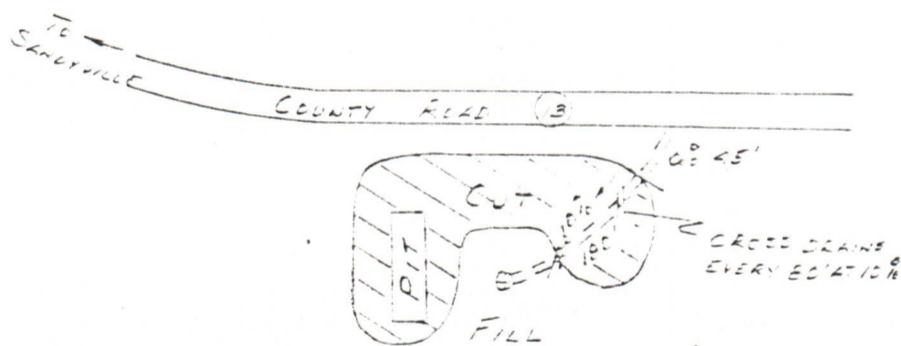
LEGEND FOR ATTACHED TOPOGRAPHIC MAP	
Well Site	⊕
Access Road	-----

WELL SITE PLAN

Sketch to include well location, existing access roads, roads to be constructed, well site drilling pits and necessary structures numbered or lettered to correspond with the front page of this plan. All natural drainage and physical structures shown.

LEGEND

- |  |                               |                 |                         |
|--|-------------------------------|-----------------|-------------------------|
| Property boundary                                    | ▲-----▲-----▲                 | Diversion ditch | -----                   |
| Roads (Existing or to be constructed will be stated) | =====                         | Spring          | ○→                      |
| Existing fence                                       | x-----x-----x-----x           | Wet spot        | ⊕                       |
| Planned fence  | -----\-----/-----\-----/----- | Building        | ■                       |
| Stream   | ~~~~~                         | Drain pipe      | ---○---○---○---         |
| Open ditch   | ----->----->----->----->      | Waterway        | ~~~~~                   |
|  |                               | Culvert         | ==/== Cross Drain ==/== |



Notes

- The location and the access road are both in a mowed field. There are no trees or brush to clear.
- The County Road will be kept clean and maintained.
- The location of the pit may not be correct. Exact location will be determined by the operator at the time of drilling.



12/01/2023

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF West Virginia  
COUNTY OF Jackson :

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form ww-2(A) X / Form ww-3(A) / Form ww-4(A) /
- (2) Application on Form ww-2(B) X / Form ww-3(B) / Form ww-4(B) /
- (3) Plat showing the well location on Form ww-6, and
- (4) Construction and Reclamation Plan on Form ww-9 (unless the application is to plug a well)

--all with respect to operator's Well No. #302 located in Ravenswood District, Jackson County, West Virginia, upon the person or organization named--

Glennis Shepherd

--by delivering the same in Jackson County, State of West Virginia on the 28th day of October, 19 85 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

[ ] Handing it to him / her X / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.

[ ] Handing it to a member of his or her family above the age of 16 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

[ ] Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

[ ] Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

[ ] Handing it to the corporation's employee / officer / director / attorney in fact / named \_\_\_\_\_.

Michael K. Scarbroy  
(Signature of person executing service)

Taken, subscribed and sworn before me this 28th day of October, 19 85.  
My commission expires March 24, 1990.

Norman L. Jost  
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)



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STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
**APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow )  
 5) LOCATION: Elevation: 597' Watershed: Right Fork of Sandy Creek  
 District: Ravenswood County: Jackson Quadrangle: Sandyville 7.5'  
 6) WELL OPERATOR Carl E. Smith CODE: 20 7) DESIGNATED AGENT Carl E. Smith  
 Address P.O. Box 4 Petroleum, Inc. Sandyville, WV 25275-0004 Address P.O. Box 4 Sandyville, WV 25275-0004  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Jerry Tephahock 9) DRILLING CONTRACTOR:  
 Address Rt. 1, Box 101-A Ripley, WV 25271 Name Carl E. Smith Petroleum, Inc.  
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 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate   
 Plug off old formation  / Perforate new formation   
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 14) Approximate coal seam depths: N.A. Is coal being mined in the area? Yes  / No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>5/8"</u>	<u>-</u>	<u>-</u>	<input checked="" type="checkbox"/>		<u>445'</u>	<u>445'</u>	<u>Back to Surface</u>	Sizes
Coal								<u>Gas req. by</u>	Depths set
Intermediate	<u>7"</u>	<u>-</u>	<u>20#</u>	<input checked="" type="checkbox"/>		<u>2075'</u>	<u>2075'</u>	<u>75 sbs.</u>	Depths set
Production	<u>1 1/2"</u>	<u>J-55</u>	<u>10.5</u>	<input checked="" type="checkbox"/>		<u>4300'</u>	<u>4300'</u>	<u>200 sbs.</u>	Depths set
Tubing									Perforations
Liners									Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

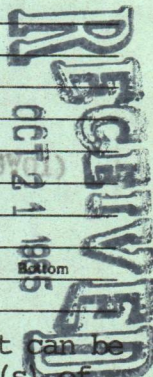
VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form WW-2(A), (2) an Application for a Well Work Permit on Form WW-2(B), (3) a survey plat on Form WW-6, and (4) a Construction and Reclamation Plan on Form WW-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.  
 (For execution by corporation, partnership, etc.) (For execution by natural persons)

NAME: \_\_\_\_\_  
 By \_\_\_\_\_  
 Its \_\_\_\_\_ Date \_\_\_\_\_

Harry L. Shyphard  
 (Signature) Date 10-21-85  
 \_\_\_\_\_  
 (Signature) 12/01/2023  
 Date \_\_\_\_\_



INSTRUCTIONS TO SURFACE OWNERS  
AND  
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT  
ON OIL AND GAS WELL WORK PERMIT

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22B, Article 1 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Director of the Division of Oil and Gas in the West Virginia Department of Energy immediately.

NOTE : YOU ARE NOT REQUIRED TO FILE ANY COMMENT AT ALL.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION :

Director, Division of Oil and Gas  
West Virginia Department of Energy  
1615 Washington Street, East  
Charleston, West Virginia 25311-2192  
(304) - 348 - 3500

Who may file comments? If you wish to file comments, you must be an owner of record of (1) and interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract over the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments as provided in METHODS FOR FILING COMMENTS below. You may call the Director's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Director's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Director for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Director.

List of Water Testing Laboratories. The Director maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Director's office or an Oil and Gas Inspector to obtain a copy of the list.

12/01/2023





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 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
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Intermediate	7"	-	20#	x		2075'	2075'	75 sks. (as req. by 15.01)	
Production	4 1/2"	J-55	10.5	x		4300'	4300'	200 sks.	
Tubing									
Liners									Perforations: Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form WW-2(A), (2) an Application for a Well Work Permit on Form WW-2(B), (3) a survey plat on Form WW-6, and (4) a Construction and Reclamation Plan on Form WW-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: \_\_\_\_\_

Robert L. Shepherd (Signature) By Glennis Shepherd  
 Date 10-28-85

By \_\_\_\_\_

Glennis Shepherd (Signature) 12/01/2023  
 Date 10-28-85

Its \_\_\_\_\_ Date \_\_\_\_\_

SITE REGISTRATION APPLICATION FORM  
STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL AND GAS  
DRILLING PIT WASTE DISCHARGE

1. Company Name Carl E. Smith Petroleum, Inc.
2. Mailing Address P.O. Box 4 Sandyville WV 25275-0004  
street city state zip
3. Telephone (304) 273-9313 4. Well Name #302 Shepherd
5. Latitude 38-53-48 Longitude 81-39-13
6. NPDES # WV0079343 7. Dept. Oil & Gas Permit NO. 47-035-2075
8. County Jackson 9. Nearest Town Sandyville
10. Nearest Stream Right Fork of Sandy Creek 11. Tributary of Sandy Creek
12. Will Discharge be Contracted Out? yes no X
13. If Yes, Proposed Contractor \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone \_\_\_\_\_
14. Proposed Disposal Method: UIC \_\_\_\_\_ Land application X  
Off Site Disposal \_\_\_\_\_ Reuse \_\_\_\_\_ Centralized Treatment \_\_\_\_\_  
Thermal Evaporation \_\_\_\_\_ Other \_\_\_\_\_
15. Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements of W. Va. Code §22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or findings of fact inuring to or for the benefit of persons other than the State of West Virginia.

RECEIVED  
OCT 21 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

12/01/2023

1) Date: October 17, 1985  
Operator's  
2) Well No. #302  
3) API Well No. 47 - 035 - 2075  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED  
(i) Name Robert Shepherd  
Address Rt. 2, Box 188  
Sandyville, WV 25275  
(ii) Name Harry Shepherd  
Address Rt. 2  
Sandyville, WV 25275  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5 (i) COAL OPERATOR  
Address \_\_\_\_\_  
5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form WW-2(B) which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form WW-6, and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION WW-2(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, with respect to a well at the location described on attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director of the Division of Oil and Gas.

6) EXTRACTION RIGHTS  
Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22B-1-8(c)(1) through (4). (see reverse side for specifics.)

7) ROYALTY PROVISIONS  
Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No   
If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form WW-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in WV County and State by  
Larry D. Smith  
this 28<sup>th</sup> day of OCTOBER, 1985,  
My Commission expires AUGUST 26<sup>th</sup>, 1991.  
Michael R. Scarborough  
Notary Public, JACKSON County,  
State of WEST VIRGINIA

WELL OPERATOR Carl E. Smith Petroleum, Inc.  
By Larry D. Smith Larry D. Smith  
Title Vice President  
Address P.O. Box 4  
Sandyville, WV 25275-0004  
Telephone (304) 273-9313

12/01/2023

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Division of Oil & gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code §22B-1-9(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code §22B-1-36.
- 6) See Code §22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11 (d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code §22B-1-6 and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23; (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22B-1-9, 22-B-1-13 and 22B-1-14.

INFORMATION SUPPLIED UNDER CODE §22B-1-8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book
-----------------------	-----------------------	---------	------

Lease from Georgia Shepherd (widow) dated June 13, 1954 to Linda Lee Producing, predecessor in title to Frank Knisley and/or Jericho Oil & Gas Co., Pittsburgh, PA recorded in Deed Book 85 Page 33 in the records of the Office of the Clerk of Jackson County, West Virginia.

Harry Shepherd (50% int.) and Robert Shepherd (50% int.) only heirs of Georgia Shepherd.

JERICHO (FRANK KNISLEY) TO CARL E. SMITH by FARMOUT

12/01/2023



State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

Date March 4, 1986.  
Operator's  
Well No. #302  
Farm Shepherd  
API No. 47 - 035 - 2075

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production \_\_\_ / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow X /)

LOCATION: Elevation: 597 Watershed Rt. Fork of Sandy Creek  
District: Ravenswood County Jackson Quadrangle Liverpool

COMPANY Carl E. Smith Petroleum, Inc.  
ADDRESS P.O. Box 4; Sandyville, WV 25275-0004  
DESIGNATED AGENT Carl E. Smith  
ADDRESS P.O. Box 4; Sandyville, WV 25275-0004  
SURFACE OWNER Robert Shepherd & Harry Shepherd  
ADDRESS Rt. 2, Box 188 Sandyville, WV 25275 Rt. 2, Box 37 Sandyville, WV 25275  
MINERAL RIGHTS OWNER Robert Shepherd & Harry Shepherd  
ADDRESS Rt. 2, Box 188 Sandyville, WV 25275 Rt. 2, Box 37 Sandyville, WV 25275  
OIL AND GAS INSPECTOR FOR THIS WORK Jerry Tephabock  
ADDRESS Rt. 1, Box 101-A Ripley, WV 25271  
PERMIT ISSUED 10-28-85  
DRILLING COMMENCED 11-1-85  
DRILLING COMPLETED 11-7-85

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
10 3/4" 13-10"	556	556	210 sks.
9 5/8			
8 5/8			
7	2104	2104	75 sks.
5 1/2			
4 1/2	4291	4291	200 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 4300 feet  
Depth of completed well 4300 feet Rotary X / Cable Tools \_\_\_  
Water strata depth: Fresh --- feet; Salt ---- feet  
Coal seam depths: ----- Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3166-4067 feet  
Gas: Initial open flow -0- Mcf/d Oil: Initial open flow -0- Bbl/d  
Final open flow 40 Mcf/d Oil: Final open flow -0- Bbl/d  
Time of open flow between initial and final tests 24 hours  
Static rock pressure 870 psig (surface measurement) after 24 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Berea Pay zone depth 2249-72 feet  
Gas: Initial open flow -0- Mcf/d Oil: Initial open flow -0- Bbl/d  
Final open flow 25 Mcf/d Oil: Final open flow -0- Bbl/d  
Time of open flow between initial and final tests 24 hours  
Static rock pressure 715 psig (surface measurement) after 24 hours shut in

(Continue on reverse side)

WR-35

~~CONFIDENTIAL~~  
DEPT. OF ENERGY  
OIL AND GAS

MAR 11 1986

12/01/2023

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

1st stage: Perforated from 3066 to 4067 and fractured Devonian Shale with 1,450 MSCF of Nitrogen.

2nd stage: Perforated from 2249 to 2272 and fractured Berea formation with 1,050 MSCF of Nitrogen.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
			"TOP INTERVAL NOT LOGGED"		
		Shale	2100	2244	
		Coffee Shale	2245	2268	
		Berea	2269	2275	
		Devonian Shale	2276	4300	T.D.

(Attach separate sheets as necessary)

Carl E. Smith Petroleum, Inc.

Well Operator

By: Jack E. Sutherland

Date: March 4, 1986

12/01/2023

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

Date: March 4, 1985

Operator's Well No. #302 Shepherd

API Well No. 47 - 035 - 207  
State County Perm

~~Confidential~~

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

WELL OPERATOR'S REPORT  
OF  
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR Carl E. Smith Petroleum, Inc.  
Address P.O. Box 4  
Sandyville, WV 25275-0004

DESIGNATED AGENT Carl E. Smith  
Address P.O. Box 4  
Sandyville, WV 25275-0004

GEOLOGICAL TARGET FORMATION: Devonian Shale & Berea Depth 4300 ft  
Perforation Interval Berea: 2249-2272 ft  
Devonian Shale: 3066-4067 ft

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test per test period
- 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 21.01)
- 5- Separate Form IV-36 for each producing formation in a multiple completion

(Comingled)

TEST DATA				
START OF TEST-DATE <u>12-4-85</u>	TIME <u>9:00 AM</u>	END OF TEST-DATE <u>12-5-85</u>	TIME <u>9:00 AM</u>	DURATION OF TEST <u>24 hours</u>
TUBING PRESSURE <u>N.A.</u>	CASING PRESSURE <u>225 # Ave.</u>	SEPARATOR PRESSURE <u>N.A.</u>	SEPARATOR TEMPERATURE <u>N..A</u>	
OIL PRODUCTION DURING TEST <u>-0-</u>	GAS PRODUCTION DURING TEST <u>40</u>	WATER PRODUCTION DURING TEST & SALINITY <u>-0-</u> bbls. <u>psm.</u>		
OIL GRAVITY <u>N..A</u>	PRODUCING METHOD (Flowing, pumping, gas lift, etc.) <u>Flowing</u>			
MEASUREMENT METHOD				
FLANGE TAP <input type="checkbox"/>		PIPE TAP <input type="checkbox"/>		POSITIVE CHOKE <input checked="" type="checkbox"/>
		L-10 <input checked="" type="checkbox"/> (Rotary)		CRITICAL FLOW PROVER <input type="checkbox"/>
ORIFICE DIAMETER <u>N.A.</u>	PIPE DIAMETER (INSIDE DIAM.) <u>2"</u>	NOMINAL CHOKE SIZE - IN. <u>N.A.</u>		
DIFFERENTIAL PRESSURE RANGE <u>N.A.</u>	MAX. STATIC PRESSURE RANGE <u>N.A.</u>	PROVER & ORIFICE DIA. - IN. <u>N.A.</u>		
DIFFERENTIAL <u>N.A.</u>	STATIC <u>N.A.</u>	GAS GRAVITY (Air-1.0) MEASURED <u>0.69</u> ESTIMATED:		
GAS GRAVITY (Air-1.0) <u>0.69</u>	FLOWING TEMPERATURE <u>60° F</u>	GAS TEMPERATURE <u>60</u> °F		
24 HOUR COEFFICIENT.		24 HOUR COEFFICIENT		
PRESSURE - <u>        </u> psia				
TEST RESULTS				
DAILY OIL <u>-0-</u> bbls.	DAILY WATER <u>-0-</u> bbls.	DAILY GAS <u>40</u> Mcf.	GAS-OIL RATIO <u>---</u> SCF/STB	

Carl E. Smith Petroleum, Inc.  
Well Operator

By: Jack E. Sutherland  
Its: Petroleum Engineer

RECEIVED  
DEPARTMENT OF ENERGY  
OIL AND GAS

MAR 11 1986

12/01/2023

INSPECTOR'S PERMIT SUMMARY FORM

10-28-85

WELL TYPE \_\_\_\_\_  
ELEVATION \_\_\_\_\_  
DISTRICT \_\_\_\_\_  
QUADRANGLE \_\_\_\_\_  
COUNTY Jackson

API# 47-035 - 2075  
OPERATOR Carl E. Smith, Inc.  
TELEPHONE \_\_\_\_\_  
FARM R Sheppard  
WELL # \_\_\_\_\_

SURFACE OWNER \_\_\_\_\_ COMMENTS \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
TARGET FORMATION \_\_\_\_\_ DATE APPLICATION RECEIVED \_\_\_\_\_  
DATE STARTED \_\_\_\_\_  
LOCATION \_\_\_\_\_ NOTIFIED \_\_\_\_\_ DRILLING COMMENCED \_\_\_\_\_

WATER DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
COAL DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

CASING

Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
TD \_\_\_\_\_ feet on \_\_\_\_\_

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: \_\_\_\_\_ Type \_\_\_\_\_  
Field analysis                      ph \_\_\_\_\_      fe \_\_\_\_\_      cl \_\_\_\_\_  
Well Record received \_\_\_\_\_

Date Released 4 9 86

James M. Tychard 12/01/2023  
Inspector's signature



API# 47 \_\_\_\_\_ - \_\_\_\_\_

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

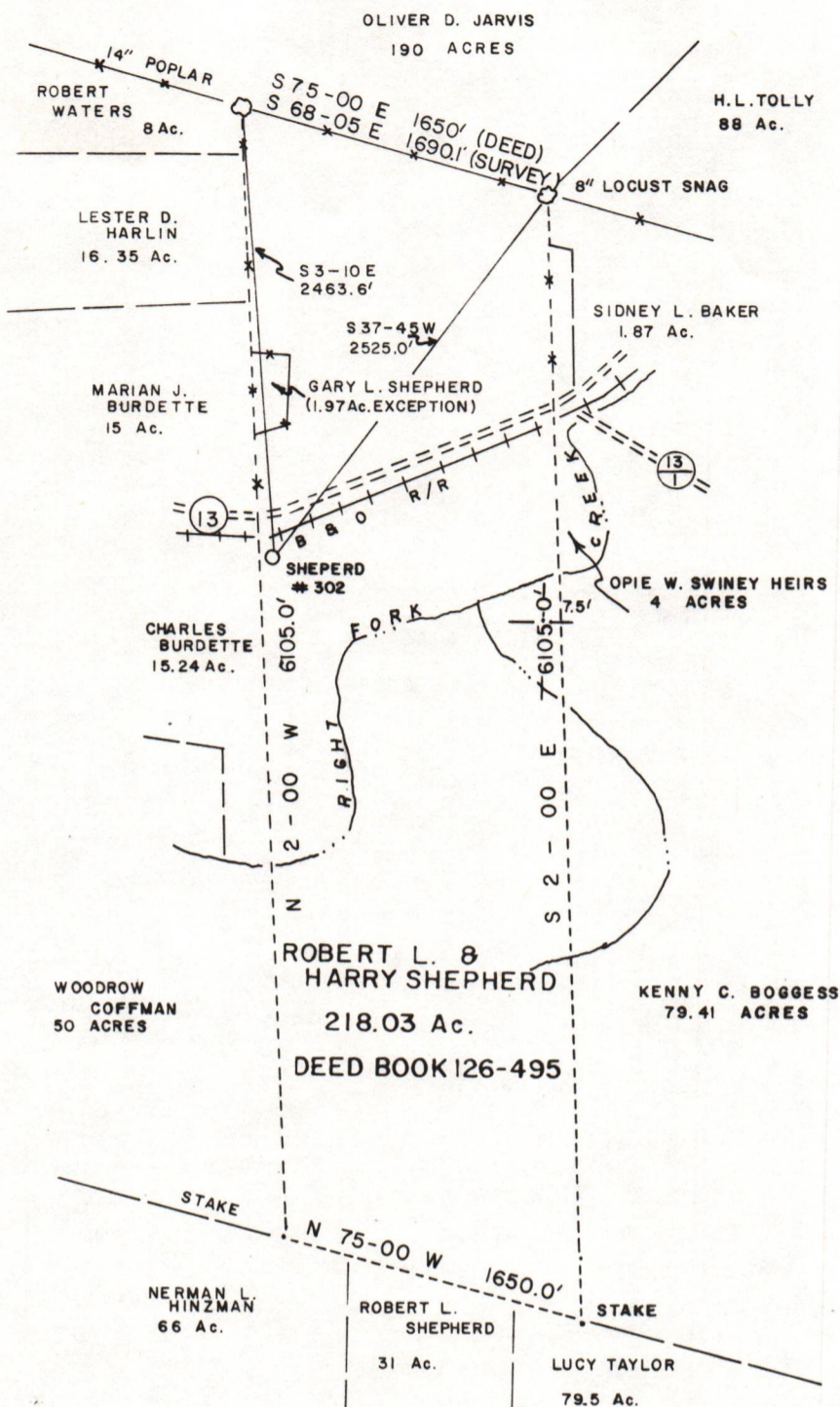
Notes

7940'

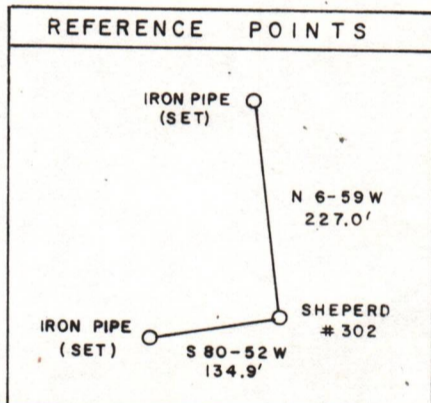
LATITUDE 38° 55' 00"

LONGITUDE 81° 37' 30"

NORTH



NOTE  
NO WELLS WITHIN 1200'



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION  
 631'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Paul K. Marshall  
 R.P.E. \_\_\_\_\_ L.L.S. 580



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



DATE OCT. 12, 19 85  
 OPERATOR'S WELL NO. R. SHEPHERD #302  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 597' WATERSHED RIGHT FORK CREEK

47 - 035 - 2075  
 STATE COUNTY PERMIT

DISTRICT RAVENSWOOD COUNTY JACKSON  
 QUADRANGLE SANDYVILLE 7.5'  
 SURFACE OWNER ROBERT L. & HARRY SHEPHERD ACREAGE 218.03  
 OIL & GAS ROYALTY OWNER ROBERT L. & HARRY SHEPHERD LEASE ACREAGE 220.0 Ac.

PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 4500'  
 WELL OPERATOR CARL E. SMITH PETROLEUM, INC. DESIGNATED AGENT CARL E. SMITH  
 ADDRESS P.O. BOX 4 ADDRESS SAME  
SANDYVILLE, W.V.

COUNTY NAME  
PERMIT

12/01/2023