



1) Date: May 23, 19 84
 2) Operator's Well No. 2013-2
 3) API Well No. 47 - 013 - 3745
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, 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: 938 Watershed: Little Kanawha/KATY RUN (LK-38)
 District: Sheridan County: Calhoun Quadrangle: Annimoriah
- 6) WELL OPERATOR Key Oil Company 7) DESIGNATED AGENT Richard A. Rexroad
 Address P.O. Box 709 Address P.O. Box 709
Spencer, WV 25276 Spencer, WV 25276
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Deo Mace Name Unknown
 Address Rt 1 Box 5 Address _____
Sandridge, WV 25274
- 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, 5200 feet
 13) Approximate strata depths: Fresh, 150 feet; salt, 550 feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes No

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 JUN 13 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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	13 3/4	H-40	46	X		40	0	0	Kinds	
Fresh water	9 5/8	H-40	36	X		300	300	110 sks	<u>CTS NEAT</u>	
Coal									Sizes	
Intermediate	7	J-55	20	X		2300	2300	150 sks		
Production	4 1/2	J-55	10.5	X		5200	5200	210 sks	Depths set	
Tubing									<u>or as req. by rule 15.01</u>	
Liners									Perforations:	
									Top Bottom	

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-013-3745 Date June 21, 19 84

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 June 21, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Blanket	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing	Fee
	<u>ls</u>	<u>ml</u>	<u>ml</u>	<u>2103</u>

[Signature]
 Administrator, Office of Oil and Gas

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



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

OFFICE USE ONLY

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

1) WELL LOCATION: Elevation: 938; District: Shenandoah; County: Harrison; Watershed: Lattie Kanawha; Underground storage: Deep; Production: H (H' Gas); Well Operator: Key Oil Company; Address: P.O. Box 709, Spencer, WV 25776.

2) DESIGNATED AGENT: Name: MICHAEL A. KEMMOS; Address: R.O. Box 709, Spencer, WV 25776.

3) DRILLING CONTRACTOR: Name: JUCKLOW; Address: Rt 1 Box 5, Sandridge, WV 25274.

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10) PROPOSED WELL WORK: Drill deeper; Redrill ; Plug off old formation ; Pore new formation ; Other physical change in well (specify): Deviated shaft.

11) GEOLOGICAL TARGET FORMATION: Deviated shaft.

12) Estimated depth of completed well: 5200 feet.

13) Approximate true depth: 5200 feet; Approximate coal seam depth: 150 feet.

14) Approximate coal seam depth: 150 feet.

DEPT. OF MINES OIL & GAS DIVISION

Casing or Tubing Type	Size	Depth (ft)	Footage Intervals		Cement Filling or Packers
			For Drilling	Left in Well	
Production	4 1/2"	10-25'	2500'	2500'	210 ska
Intermediate	7"	25-50'	2300'	2300'	150 ska
Flow Line	8 3/8"	40-80'	300'	300'	110 ska
Conductor	13 3/4"	40-40'	40'	40'	0

OFFICE USE ONLY

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

Date	Date(s)
Application received	Follow-up inspection(s)
Well work started	"
Completion of the drilling process	"
Well Record received	"
Reclamation completed	"

OTHER INSPECTIONS

Reason: _____

Reason: _____

Agent	Plat	Casing	Fee
Blanket			

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

05/17/2024



1) Date: May 23, 19 84
 2) Operator's Well No. 2013-2 84
 3) API Well No. 47 013
 State County Permit

RECEIVED
MAY 30 84

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

318
39-1

- By Red
- 4) WELL TYPE: A X Oil X Gas X
 B (If "Gas", Production X / Underground storage / Deep / Shallow X)
- 5) LOCATION: Elevation: 938 Watershed: Little Kanawha
 District: Sheridan County: Calhoun Quadrangle: Annimoriah
- 6) WELL OPERATOR Key Oil Company 7) DESIGNATED AGENT Richard A. Rexroad
 Address P.O. Box 709 Address P.O. Box 709
Spencer, WV 25276 Spencer, WV 25276
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Deo Mace Name Unknown
 Address Rt 1 Box 5 Address
Sandridge, WV 25274
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale Shallow
- 12) Estimated depth of completed well, 5200 feet
 13) Approximate trata depths: Fresh, 150 feet; salt, 550 feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No X
- 15) CASING AND TUBING PROGRAM

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JUN 15 1984
OIL & GAS DIVISION
DEPT. OF MINES

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	13 3/4	H-40	46	X		40	0	0	Kinds
Fresh water	9 5/8	H-40	36	X		300	300	110 sks	
Coal									Sizes
Intermediate	7	J-55	20	X		2300	2300	150 sks	
Production	4 1/2	J-55	10.5	X		5200	5200	210 sks	Depths set
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 for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-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: Westvaco Corp.

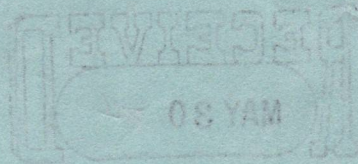
By Robert C. Langhammer

Its agent Date 6/2-84

(Signature) _____ Date: _____

(Signature) _____ Date: _____

05/17/2024
Surface Owner



**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 22, Article 4 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 Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an 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 under 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 Administrator'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 Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator 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 Administrator.

List of Water Testing Laboratories. The Administrator 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 Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Westvaco
Address #2 Ferguson Dr.
Parkersburg, WV 26101
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR None
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name None
Address _____
Name _____
Address _____
5(iii) COAL LESSEE WITH DECLARATION ON RECORD
Name None
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 IV-2(B) (or Form IV-4 if the well is to be plugged, 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 IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-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 (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 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 Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-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 Administrator.

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 22-4-1-(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 IV-60.

RECEIVED
JUN 13 1984
OIL & GAS DIVISION
DEPT. OF MINES

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 my County and State by
Richard A. Kestrod
this 12 day of June, 1984.
My commission expires 1-11, 1993.
Barae S. Blakelock
Notary Public, Roane County,
State of WV

WELL OPERATOR Key Oil Company
By [Signature] Designated Agent
Its Designated Agent
Address P.O. Box 709
Spencer, WV 25276
Telephone 304-927-5490

05/17/2024

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 Office 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 § 22-4-1b(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 § 22-4-20.
- 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 § 22-4-1k 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a 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 § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(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:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
F. S. Deem	Carl R. Morris Sue W. McCoy		651-401
Carl R. Morris Sue W. McCoy	M & J JOINT VENTURE		088-544
M & J Joint Venture	KEY OIL COMPANY		Being recorded

All Assignments

ORIG. LEASE

N.M. Daniels (nee Snyder)

J.P. Dallas Snyder
dba Snyder Bros.

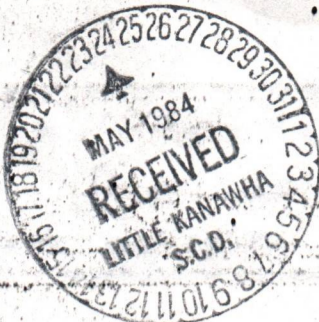
1/8 7-481

Snyder Bros.

F.S. Deem

05/17/2024/92

IV-9
(Rev 8-81)



DATE April 25, 1984

WELL NO. Snyder 2

State of West Virginia

API NO. 47-013-375

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

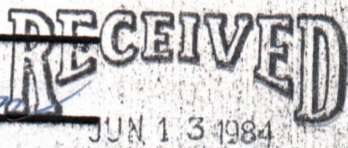
COMPANY NAME Key Oil Co.
ADDRESS P.O. Box 709, Spencer, WVa
TELEPHONE 304-927-5490
LANDOWNER WESTVACO

DESIGNATED AGENT Richard Rexroad
Address P.O. Box 709, Spencer, WVa
Telephone 304-927-5490
SOIL CONS. DISTRICT Little Kanawha

REVEGETATION to be carried out by Richard Rexroad (Agent)

THIS PLAN has been reviewed by Little Kanawha SCD. All corrections AND ADDITIONS become a part of this plan: 5-25-84 (Date)

Garrett Newton (SCD Agent)



ACCESS ROAD
STRUCTURE Cross Drains (A)
SPACING 250' AT 2%; 135' AT 5%; 80' AT 10%
PAGE REF. MANUAL 2-4
STRUCTURE Open Drains (B)
SPACING SEE SKETCH
PAGE REF. MANUAL 2-12
STRUCTURE _____ (C)
SPACING _____
PAGE REF. MANUAL _____

LOCATION OIL & GAS DIVISION
DEPT. OF MINES
Structure _____ (1)
Material _____
Page Ref. Manual _____
Structure _____ (2)
Material _____
Page Ref. Manual _____
Structure _____ (3)
Material _____
Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All 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.

REVEGETATION

Treatment Area I
LIME or correct to pH 6.5 Tons/acre
FERTILIZER 500 lbs/acre
10-20-20 or equivalent)
MULCH HAY 1.5 Tons/acre
SEED KY 31 40 lbs/acre
Redtop 5 lbs/acre
Ladino Clover 3 lbs/acre

Treatment Area II
Lime or correct to pH 6.5 Tons/acre
Fertilizer 500 lbs/acre
(10-20-20) or equivalent)
Mulch HAY 1.5 Tons/acre
Seed* KY 31 40 lbs/acre
Redtop 5 lbs/acre
Ladino Clover 3 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY Neal Hughes
ADDRESS Rt 1 Box 2
Berea, WVa 26327
PHONE NO. 304-659-2378

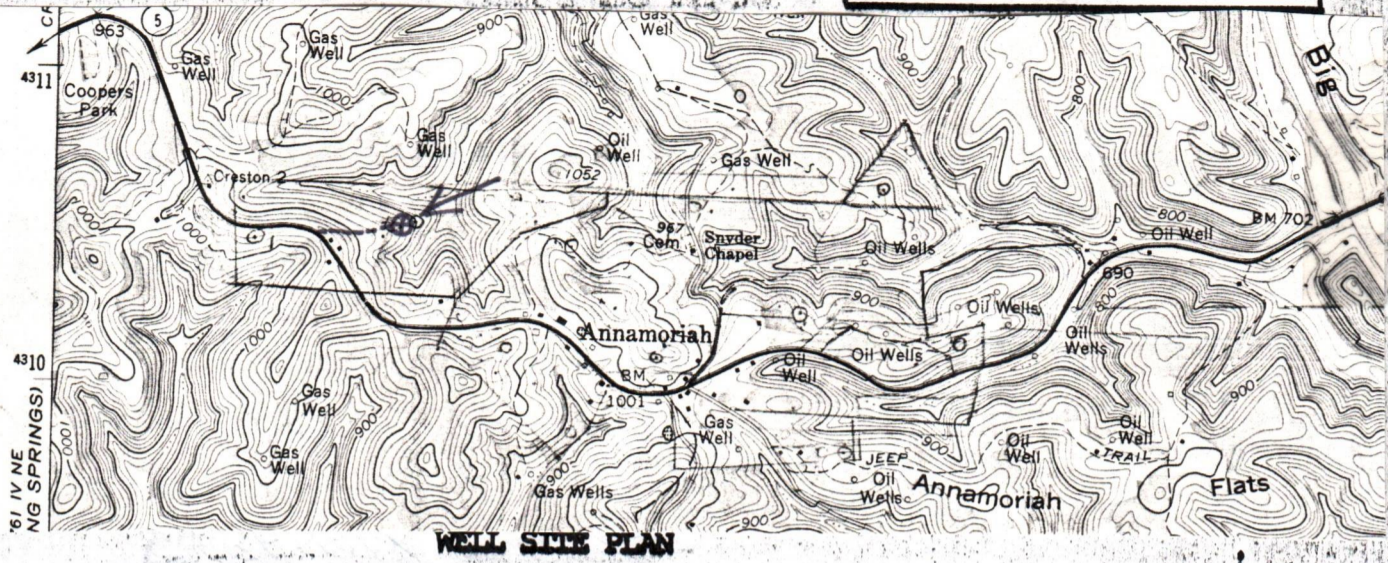
IV-9 REVERSE
(REV 8-81)

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Annamoriah 7 1/2'

LEGEND

Well Site ⊕

Access Road ———

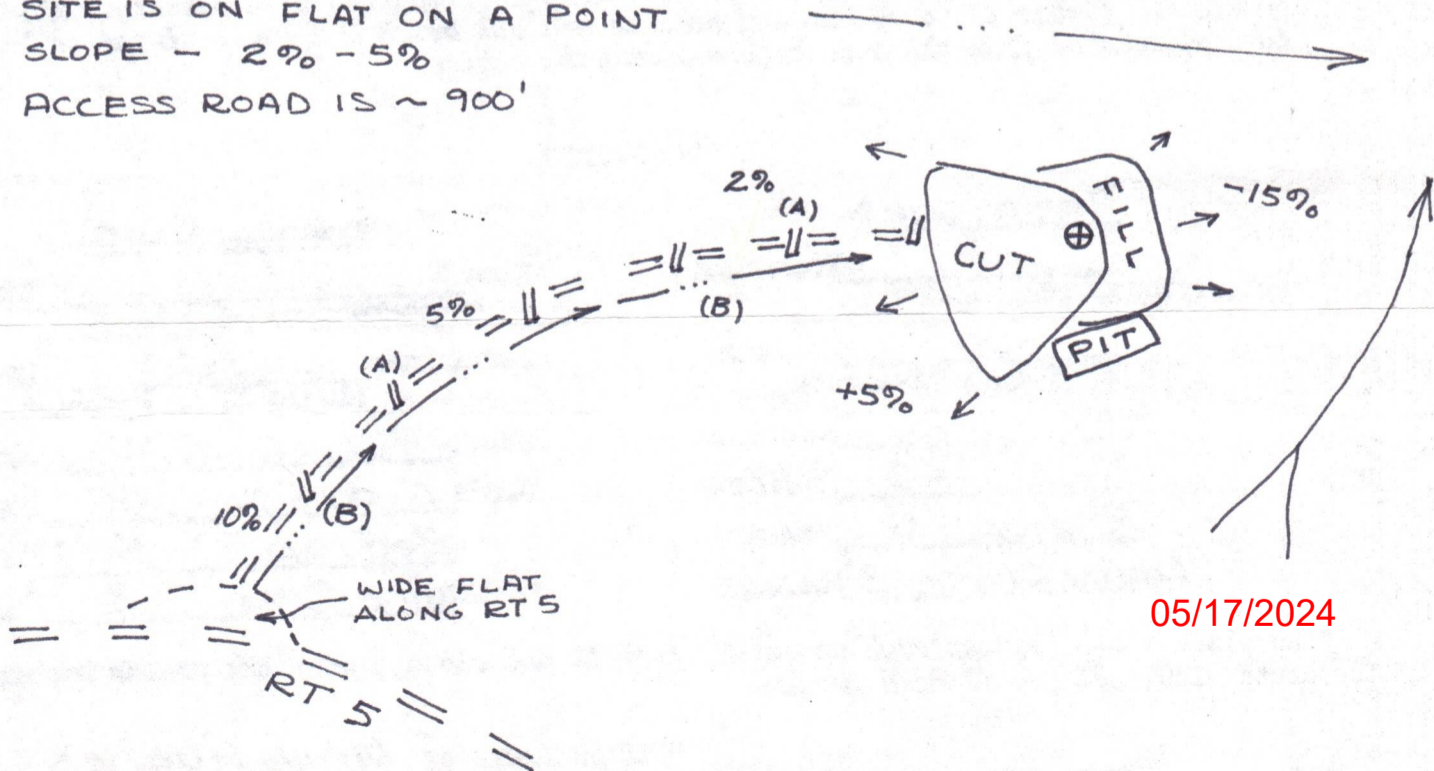


Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary ————	Diversion ————
Road = = = = =	Spring ○ →
Existing fence — x — x —	Wet spot — ☼
Planned fence — / — / —	Building ■
Stream — ~ ~ ~ ~ ~	Drain pipe — ○ — ○ — ○ —
Open ditch — ···· →	Waterway ← = = = =

SITE IS ON FLAT ON A POINT
SLOPE - 2% - 5%
ACCESS ROAD IS ~ 900'



05/17/2024



57°30'W

CRESTON 1.1 MI

4311

4310 (BURNING SPRINGS) 1.1 MI NE

05/17/2024

Key Oil Company

139 Main Street
P.O. Box 709
Spencer, WV 25276

(304) 927-5490



May 29, 1984

Mr. Steve Richards
Westvaco
#2 Ferguson Drive
Parkersburg, WV 26101

RECEIVED

JUN 13 1984

OIL & GAS DIVISION

DEPT. OF MINES

Dear Mr. Richards:

In accordance with the Rules and Regulations of the Department of Mines of the State of West Virginia, you are hereby notified that the undersigned intends to drill an Oil and Gas well (s) in conjunction with the attached Plat and Reclamation Plan.

If everything appears in order and meets with your approval, please sign the blue form where indicated and return in the envelope provided.

Yours very truly,

KEY OIL COMPANY

Richard A. Rexroad
Richard A. Rexroad
Designated Agent

PS Form 3811, Dec. 1980

● **SENDER:** Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
 Show to whom and date delivered —c
 Show to whom, date, and address of delivery.. —c
 RESTRICTED DELIVERY —c
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ _____

3. ARTICLE ADDRESSED TO:
 Westvaco
 #2 Ferguson Dr
 Parkersburg, WVA 26101

4. TYPE OF SERVICE: ARTICLE NUMBER
 REGISTERED INSURED 3337069
 CERTIFIED COD
 EXPRESS MAIL

(Always obtain signature of addressee or agent)
 I have received the article described above.
 SIGNATURE Addressee Authorized agent

5. DATE OF DELIVERY POSTMARK
 5/30/84

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

*5/30/84
go over*

Dick



05/17/2024

RECEIVED

JUL 20 1984



IV-35 (Rev 8-81)

OIL & GAS DIVISION DEPT. OF MINES State of West Virginia Department of Mines Oil and Gas Division

Date July 16, 1984 Operator's Well No. 2013-2 Farm Snyder API No. 47 - 013 - 3745

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 X / Underground Storage / Deep / Shallow X)

LOCATION: Elevation: 938 Watershed Katy Run District: Sheridan County Calhoun Quadrangle Annimoriah

COMPANY Key Oil Company ADDRESS P.O. Box 709, Spencer, WV DESIGNATED AGENT Richard A. Rexroad ADDRESS P.O. Box 709, Spencer, WV SURFACE OWNER Wetvaco ADDRESS Parkersburg, WV MINERAL RIGHTS OWNER J. O. Snyder et al ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Deo Mace ADDRESS Sandridge, WV PERMIT ISSUED June 21, 1984 DRILLING COMMENCED June 27, 1984 DRILLING COMPLETED July 3, 1984 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5128 feet Depth of completed well 5128 feet Rotary X / Cable Tools Water strata depth: Fresh 60 feet; Salt 550 feet Coal seam depths: N/A Is coal being mined in the area No

OPEN FLOW DATA Producing formation Devonian Shale Pay zone depth 3833-4790 feet Gas: Initial open flow 20 Mcf/d Oil: Initial open flow show Bbl/d Final open flow 823 Mcf/d Final open flow show Bbl/d Time of open flow between initial and final tests 72 hours Static rock pressure 550 psig (surface measurement) after 12 hours shut in (If applicable due to multiple completion--)

05/17/2024

CAL 3745

(Continue on reverse side)

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

⁴³⁵
1st Stage Perforated 4314 to 4790 with 33 - 0.39" holes
500 gallons 15% HCl Acid & 1,500,000 Scf N₂

⁴²²
2nd Stage Perforated 3833 to 4088 with 21 - 0.39" holes
500 gallons 15% HCl Acid & 1,000,000 Scf N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil			0	0	
Redrock			20	270	Fresh water 60'
Shale			270	495	
Red rock			495	895	
Shale			895	1150	Salt Water 550'
Sand stone			1150	1340	
Shale			1340	1630	
Little Lime			1630	1650	
Shale			1650	1700	
³⁴⁵ Big Lime			1700	1820	
³⁶⁵ Big Injun			1820	1980	Show Oil & Gas 1945
Shale			1980	2085	
³⁸⁷ Weir			2085	2160	
Shale			2160	2345	
³⁹⁴ Coffee shale			2345	2352	
³⁹⁵ Berea			2352	2354	
Shale			2354	2700	
⁴²² 5th Sand			2700	2708	
Shale			2708	4300	
⁴³⁴ Riley			4300	4340	
Shale			4340	4750	
⁴³⁵ Benson			4750	4790	
Shale			4790	TD	

(Attach separate sheets as necessary)

Key Oil Company
Well Operator
By: Darryl Jay 05/17/2024 Petroleum Engineer
Date: 7-19-84

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."

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

RECEIVED
JUL - 3 1984

INSPECTOR'S WELL REPORT

Permit No. 13-3745

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well (KIND)

Company Key Oil Co
 Address _____
 Farm Snyder
 Well No 2
 District Sheldon County Cal
 Drilling commenced 6-27-84
 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 _____ bbla., 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 3/8			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 Hunt 5

Remarks:
308' of 9 5/8" casing, 106 SKS cement, Halib. 6-27-84
no circulation - filled on basket from top.

6-27-84
DATE

Deo M... 05/17/2024
DISTRICT WELL INSPECTOR

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

RECEIVED

JUL 10 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 13-3745

Oil or Gas Well
(KIND)

Company Key Oil Co

Address _____

Farm Snyder

Well No. 2

District Shepherd County Cal

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 Packert
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 Hunt 5

Remarks: 2181' 7" casing, 150 SKS. cement, Halib., 6-29-84
TD hole at noon today, 5128'.

7-2-84
DATE

D. J. [Signature] 05/17/2024
DISTRICT WELL INSPECTOR

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

RECEIVED

JUL 31 1984

OIL & GAS DIVISION
DEPT. OF MINE

INSPECTOR'S WELL REPORT

Permit No. 13-3745

Oil or Gas Well _____
(KIND)

Company Key Oil
 Address _____
 Farm Snyder
 Well No. 2
 District Sheridan County Cal.
 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 retained, ready to be sealed.

7-25-84
DATE

Wesley 05/17/2024
DISTRICT WELL INSPECTOR



RECEIVED
JAN 3 - 1985
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
August 16, 1984

COMPANY Key Oil Company
P. O. Box 709
Spencer, West Virginia 25276

PERMIT NO 013-3745
FARM & WELL NO Westvaco #2013-2
DIST. & COUNTY Sheridan/Calhoun

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at Wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strenght	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to Prevent Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering Pipelines	_____	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	_____	_____

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED *Dw Moore*

DATE *12-27-84*

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. L. v. B.
Administrator-Oil & Gas Division

January 18, 1985

DATE

AUG 15 1984

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 7-17-1984

Applicant's Name: Key Oil Company

Address: P.O. Box 709
Spencer, WV 25276

Gas Purchaser Contract No. 1721

Date of Contract
(Month, day and year)

First Purchaser: Consolidated Gas Supply Corp.

Address: 445 W. Main St.
(Street or P.O. Box)
Clarksburg WV 26301
(City) (State) (Zip Code)

FERC Seller Code

AGENCY USE ONLY
WELL DETERMINATION FILE NUMBER
840720-103-013-3745
Use Above File Number on all
Communications Relating to This Well

Designated Agent: Richard Rexroad
Address: P.O. Box 709
Spencer, WV 25276

FERC Buyer Code 004228

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Barry Lay (Print) Petroleum Engineer
(Title)

Signature: *Barry Lay*

Address: P.O. Box 709
(Street or P.O. Box)

Spencer WV 25276
(City) (State) (Zip Code)

Telephone: (304) 927-5490
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For (Mailed Consolidated July 1984)

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

- 103 New Onshore Production Well
- 103 New Onshore Production Well

- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

RECEIVED

JUL 20 1984

OIL & GAS DIVISION
DEPT. OF MINES

Date Received

AGENCY USE ONLY
1500' Radius
013-1120
1572
1447
Qualifies
Approved
APPROVED
AUG 28 1984

AUG 15 1984

Determination Date

1.0 API well number: (If not available, leave blank. 14 digits.)	<u>47-013-3745</u>																								
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center; width: 50%;"><u>103</u></td> <td style="text-align: center; width: 50%;"><u>N/A</u></td> </tr> <tr> <td style="text-align: center; font-size: small;">Section of NGPA</td> <td style="text-align: center; font-size: small;">Category Code</td> </tr> </table>	<u>103</u>	<u>N/A</u>	Section of NGPA	Category Code																				
<u>103</u>	<u>N/A</u>																								
Section of NGPA	Category Code																								
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	<u>5128</u> feet																								
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<table style="width:100%; border: none;"> <tr> <td colspan="3"><u>Key Oil Company</u></td> <td style="text-align: right; font-size: small;">Seller Code</td> </tr> <tr> <td style="font-size: x-small;">Name</td> <td colspan="2"></td> <td></td> </tr> <tr> <td colspan="4"><u>139 Main St. P.O. Box 709</u></td> </tr> <tr> <td style="font-size: x-small;">Street</td> <td colspan="2"></td> <td></td> </tr> <tr> <td><u>Spencer</u></td> <td style="text-align: center;"><u>WV</u></td> <td style="text-align: center;"><u>25276</u></td> <td></td> </tr> <tr> <td style="font-size: x-small;">City</td> <td style="font-size: x-small;">State</td> <td style="font-size: x-small;">Zip Code</td> <td></td> </tr> </table>	<u>Key Oil Company</u>			Seller Code	Name				<u>139 Main St. P.O. Box 709</u>				Street				<u>Spencer</u>	<u>WV</u>	<u>25276</u>		City	State	Zip Code	
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Street																									
<u>Spencer</u>	<u>WV</u>	<u>25276</u>																							
City	State	Zip Code																							
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<table style="width:100%; border: none;"> <tr> <td style="font-size: x-small;">Field Name</td> <td colspan="2"></td> </tr> <tr> <td><u>Calhoun</u></td> <td style="text-align: center;"><u>WV</u></td> <td></td> </tr> <tr> <td style="font-size: x-small;">County</td> <td style="font-size: x-small;">State</td> <td></td> </tr> </table>	Field Name			<u>Calhoun</u>	<u>WV</u>		County	State																
Field Name																									
<u>Calhoun</u>	<u>WV</u>																								
County	State																								
(b) For OCS wells:	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><u>N/A</u></td> <td style="text-align: right; font-size: small;">Block Number</td> </tr> <tr> <td style="font-size: x-small;">Area Name</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center; font-size: x-small;">Date of Lease:</td> </tr> <tr> <td style="text-align: center;"> <table style="border: none; font-size: x-small;"> <tr> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center; font-size: 8px;">Mo.</td> <td style="text-align: center; font-size: 8px;">Day</td> <td style="text-align: center; font-size: 8px;">Yr.</td> <td colspan="3"></td> </tr> </table> </td> <td style="text-align: right; font-size: small;">OCS Lease Number</td> </tr> </table>	<u>N/A</u>	Block Number	Area Name		Date of Lease:		<table style="border: none; font-size: x-small;"> <tr> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center; font-size: 8px;">Mo.</td> <td style="text-align: center; font-size: 8px;">Day</td> <td style="text-align: center; font-size: 8px;">Yr.</td> <td colspan="3"></td> </tr> </table>							Mo.	Day	Yr.				OCS Lease Number				
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Mo.	Day	Yr.																							
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>Snyder #2013-2</u>																								
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<u>N/A</u>																								
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<table style="width:100%; border: none;"> <tr> <td style="text-align: center;"><u>Consolidated Gas Supply Corp.</u></td> <td style="text-align: right;"><u>004228</u></td> </tr> <tr> <td style="font-size: x-small;">Name</td> <td style="font-size: x-small;">Buyer Code</td> </tr> </table>	<u>Consolidated Gas Supply Corp.</u>	<u>004228</u>	Name	Buyer Code																				
<u>Consolidated Gas Supply Corp.</u>	<u>004228</u>																								
Name	Buyer Code																								
(b) Date of the contract:	<table style="border: none; font-size: x-small;"> <tr> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center; font-size: 8px;">Mo.</td> <td style="text-align: center; font-size: 8px;">Day</td> <td style="text-align: center; font-size: 8px;">Yr.</td> <td colspan="3"></td> </tr> </table>							Mo.	Day	Yr.															
Mo.	Day	Yr.																							
(c) Estimated annual production:	<u>Unknown</u> MMcf.																								
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<table style="width:100%; border: none;"> <tr> <td style="width: 25%; text-align: center;"><u>---</u></td> <td style="width: 25%; text-align: center;"><u>---</u></td> <td style="width: 25%; text-align: center;"><u>---</u></td> <td style="width: 25%; text-align: center;"><u>---</u></td> </tr> <tr> <td style="font-size: x-small;">(a) Base Price (\$/MMBTU)</td> <td style="font-size: x-small;">(b) Tax</td> <td style="font-size: x-small;">(c) All Other Prices [Indicate (+) or (-).]</td> <td style="font-size: x-small;">(d) Total of (a), (b) and (c)</td> </tr> </table>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)																
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8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<table style="width:100%; border: none;"> <tr> <td style="width: 25%; text-align: center;"><u>2.909</u></td> <td style="width: 25%; text-align: center;"><u>---</u></td> <td style="width: 25%; text-align: center;"><u>---</u></td> <td style="width: 25%; text-align: center;"><u>2.909</u></td> </tr> <tr> <td style="font-size: x-small;">(a) Base Price (\$/MMBTU)</td> <td style="font-size: x-small;">(b) Tax</td> <td style="font-size: x-small;">(c) All Other Prices [Indicate (+) or (-).]</td> <td style="font-size: x-small;">(d) Total of (a), (b) and (c)</td> </tr> </table>	<u>2.909</u>	<u>---</u>	<u>---</u>	<u>2.909</u>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)																
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(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)																						
9.0 Person responsible for this application:	<table style="width:100%; border: none;"> <tr> <td colspan="2" style="text-align: center;"><u>Key Oil Company</u></td> <td style="text-align: right;"><u>Operator</u></td> </tr> <tr> <td style="font-size: x-small;">Name</td> <td colspan="2" style="font-size: x-small;">Title</td> </tr> <tr> <td colspan="3" style="text-align: center;"><u>Barry Jay</u></td> </tr> <tr> <td style="font-size: x-small;">Signature</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;"><u>7-17-84</u></td> <td style="text-align: center;"><u>927-5490</u></td> <td></td> </tr> <tr> <td style="font-size: x-small;">Date Application is Completed</td> <td style="font-size: x-small;">Phone Number</td> <td></td> </tr> </table>	<u>Key Oil Company</u>		<u>Operator</u>	Name	Title		<u>Barry Jay</u>			Signature			<u>7-17-84</u>	<u>927-5490</u>		Date Application is Completed	Phone Number							
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="font-size: x-small;">Agency Use Only</td> </tr> <tr> <td style="font-size: x-small;">Date Received by Juris. Agency</td> </tr> <tr> <td style="text-align: center; font-size: 24px;"><u>JUL 20 1984</u></td> </tr> <tr> <td style="font-size: x-small;">Date Received by FERC</td> </tr> </table>	Agency Use Only	Date Received by Juris. Agency	<u>JUL 20 1984</u>	Date Received by FERC																					
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05/17/2024

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:

Section of NGPA	Category Code	Description
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:

Contract Date (Mo. Day Yr.)	Purchaser	Buyer Code
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

Date July 17, 1984

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

Operator's Well No. Snyder #2013-2

API Well No. 47 - 013 - 3745
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Richard A. Rexroad

ADDRESS P.O. Box 709
Spencer, WV 25276

WELL OPERATOR Key Oil Company

LOCATION: Elevation 938

ADDRESS P.O. Box 709

Watershed Katy Run

Spencer, WV 25276

Dist. Sheridan County Calhoun Quad. Annimoriah

GAS PURCHASER Consolidated Gas Supply Corp.

Gas Purchase Contract No. 1721

ADDRESS 445 W. Main St.

Meter Chart Code _____

Spencer, Wv 25276

Date of Contract _____

* * * * *

Date surface drilling was begun: 6-27-84

Indicate the bottom hole pressure of the well and explain how this was calculated:

$$Pws = Pts \times e^{\left(\frac{0.01875 \text{ G H}}{Z T} \right)}$$

Pts = 564.7 psia Z = .915 Psw = 642.2 psia

G = .7 T = 572° R

H = 5128

AFFIDAVIT

I, _____, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Barry Joy

STATE OF WEST VIRGINIA,

COUNTY OF Roanoke, TO WIT:

I, Carol R. Blakeslee Notary Public in and for the state and county aforesaid, do certify that Barry K. Joy, whose name is signed to the writing above, bearing date the 17 day of July, 1984, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 17 day of July, 1984. My term of office expires on the 11 day of Jan, 1993.

[NOTARIAL SEAL]

Carol R. Blakeslee
Notary Public

05/17/2024

05/17/2024

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

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

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:

Section of NGPA	Category Code	Description
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:

Contract Date (Mo. Day Yr.)	Purchaser	Buyer Code
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

AUG 15 1984

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 7-17-, 19 84

AGENCY USE ONLY

Applicant's Name: Key Oil Company

Address: P.O. Box 709

Spencer, WV 25276

Gas Purchaser Contract No. 1721

Date of Contract _____
(Month, day and year)

First Purchaser: Consolidated Gas Supply Corp.

Address: 445 W. Main St.

(Street or P.O. Box)

Clarksburg WV 26301

(City) (State) (Zip Code)

FERC Seller Code _____

WELL DETERMINATION FILE NUMBER
840720-107-013-3745
Use Above File Number on all
Communications Relating to This Well

Designated Agent: Richard Rexroad

Address: P.O. Box 709

Spencer, WV 25276

FERC Buyer Code 004228

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Barry Lay
(Print)

Petroleum Engineer

Signature: Barry Lay
(Title)

Address: P.O. Box 709
(Street or P.O. Box)

Spencer WV 25276

(City) (State) (Zip Code)

Telephone: 304 927-5490
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For (Mailed Consolidated July 1 84)

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
- 103 New Onshore Production Well
- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressed Brine
- 107-2 Coal Seams
- X 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

QUALIFIED
05/17/2024

AUG 15 1984

RECEIVED

JUL 20 1984

OIL & GAS DIVISION
DEPT. OF MINES

Date Received

Determination Date

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. Snyder 2013-2

API Well No.

47 - 013 - 3745
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE

NGPA Section 107

DESIGNATED AGENT Richard A. Rexroad

ADDRESS P.O. Box 709
Spencer, WV 25276

LOCATION Elevation 938

Watershed Katy Run

Dist. Sheridan County Calhoun Quad. Annimoriah

Gas Purchase Contract No. 1721

Meter Chart Code _____

Date of Contract _____

WELL OPERATOR Key Oil Company

ADDRESS P.O. Box 709
Spencer, WV 25276

GAS PURCHASER Consolidated Gas Supply

ADDRESS 445 W. Main St.
Clarksburg, WV 26301

* * * * *

Date surface drilling began: 6-27-84

Indicate the bottom hole pressure of the well and explain how this was calculated.

$$Pws = Pts \times e \left(\frac{0.01875 G H}{Z T} \right)$$

Pts = 564.7 psia

G = .7

Z = .915

Psw = 642.2 psi

H = 5128

T = 572° R

AFFIDAVIT

I, Barry K. Lay, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

Barry K. Lay

STATE OF WEST VIRGINIA

COUNTY OF Loane, TO-WIT:

I, Carol S. Blakeslee, a Notary Public in and for the state and county aforesaid, do certify that Barry K. Lay, whose name is signed to the writing above, bearing date the 17 day of July, 1984, has acknowledged the same before me, in my county aforesaid.

05/17/2024

Given under my hand and official seal this 17 day of July, 1984.

My term of office expires on the 11 day of Jan., 1993.

Carol S. Blakeslee
Notary Public

(NOTARIAL SEAL)

013-3745

SNYDER # 2013-2

2360 - 2400	140	Units
2400 - 2500	135	Units
2500 - 2600	140	Units
2600 - 2700	130	Units
2700 - 2800	140	Units
2800 - 2900	140	Units
2900 - 3000	145	Units
3000 - 3100	145	Units
3100 - 3200	145	Units
3200 - 3300	150	Units
3300 - 3400	160	Units
3400 - 3500	155	Units
3500 - 3600	160	Units
3600 - 3700	160	Units
3700 - 3800	150	Units
3800 - 3900	145	Units
3900 - 4000	150	Units
4000 - 4100	155	Units
4100 - 4200	165	Units
4200 - 4300	165	Units
4300 - 4400	170	Units
4400 - 4500	170	Units
4500 - 4600	160	Units
4600 - 4700	160	Units
4700 - 4800	150	Units
4800 - 4900	150	Units
4900 - 5000	160	Units
5000 - 5100	165	Units

Shale base line 152 units

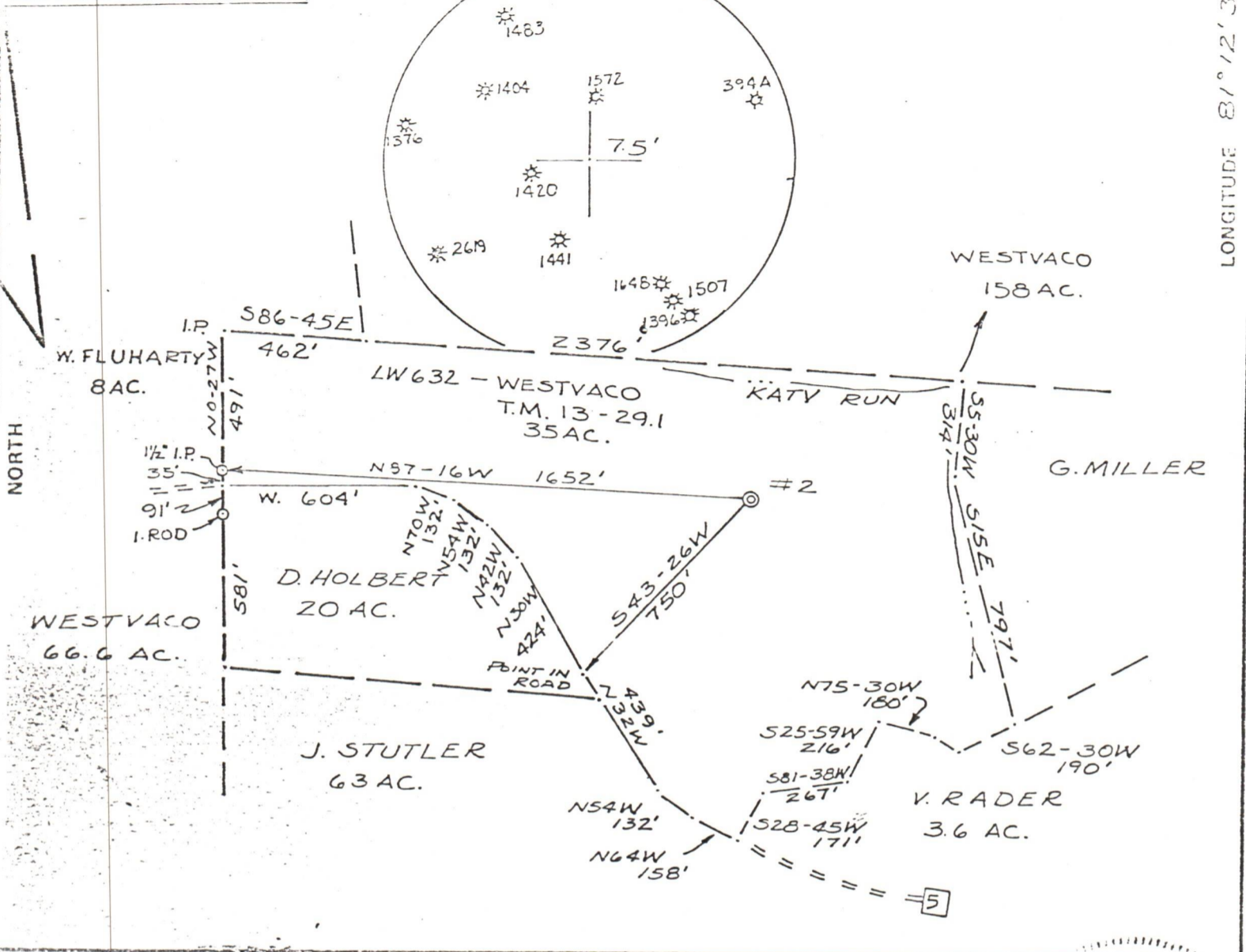
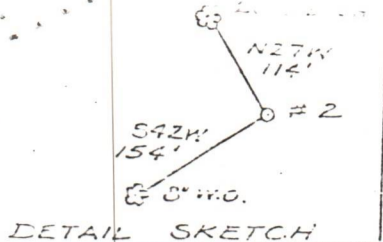
70% line 106 units

41' Sand to left 70% line

2740' total Devonian 41 divided by 2740 = 1.5%

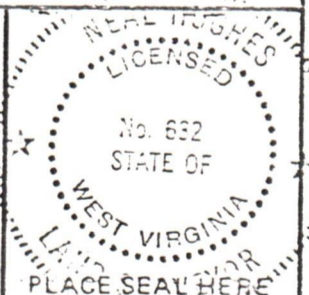
05/17/2024

LONGITUDE 81° 12' 30"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM 1001' ANNAMORIAH

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) Neal Hughes
 R.P.E. _____ L.L.S. 632



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE APRIL 27, 19 84
 OPERATOR'S WELL NO. SNYDER 2
 API WELL NO. 47 - 013 - 3745
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 938' WATER SHED LITTLE KANAWHA / KATY RUN
 DISTRICT SHERIDAN COUNTY CALHOUN
 QUADRANGLE ANNIMORIAH
 SURFACE OWNER WESTVACO ACREAGE 35
 OIL & GAS ROYALTY OWNER J.O. SNYDER (1/3), ET AL. LEASE ACREAGE 200
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

05/17/2024

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5900
 WELL OPERATOR KEY OIL CO. DESIGNATED AGENT RICHARD A. REXROAD
 ADDRESS P.O. BOX 709 SPENCER, WVA 25276 ADDRESS P.O. BOX 709 SPENCER WVA 25276