



IV-9
(Rev 8-82)

DATE November 13, 1982

WELL NO. KEM #296

State of West Virginia

API NO. 47-085-5996

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Kaiser Exploration and Mining Co. DESIGNATED AGENT R. A. Pryce
Address P. O. Box 8, Ravenswood, WV Address P. O. Box 8, Ravenswood, WV
Telephone 273-5371 Telephone 273-5371
LANDOWNER Welcome Joy SOIL CONS. DISTRICT Little Kanawha
Revegetation to be carried out by Kaiser Exploration and Mining Company (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 11-13-82

(Date)
Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure <u>Drainage Ditch</u>	(A)	Structure <u>None Required</u>	(1)
Spacing _____		Material _____	
Page Ref. Manual <u>2-12</u>		Page Ref. Manual _____	
Structure <u>Cross Drains</u>	(B)	Structure _____	(2)
Spacing <u>80', 135', 80', 135'</u>		Material _____	
Page Ref. Manual <u>2-4</u>		Page Ref. Manual _____	
Structure _____	(C)	Structure _____	(3)
Spacing _____		Material _____	
Page Ref. Manual _____		Page Ref. Manual _____	

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DEPT. OF MINES

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. Top soil to be stock piled.

REVEGETATION

Treatment Area I

Lime 4 Tons/acre
or correct to pH _____
Fertilizer 14-14-14 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* 81% Orchard Grass/15% Rye 16 lbs/acre
Kentucky 31 Fescue 16 lbs/acre
Red Clover 8 lbs/acre

Treatment Area II

Lime Same as Area I Tons/acre
or correct to pH _____
Fertilizer _____ lbs/acre
(10-20-20 or equivalent)
Mulch _____ Tons/acre
Seed* _____ lbs/acre
_____ lbs/acre
_____ lbs/acre

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

PLAN PREPARED BY Vincent Wood 08/18/2023

ADDRESS 116 Ppost Avenue
Ripley, WV 25271
PHONE NO. 372-2709

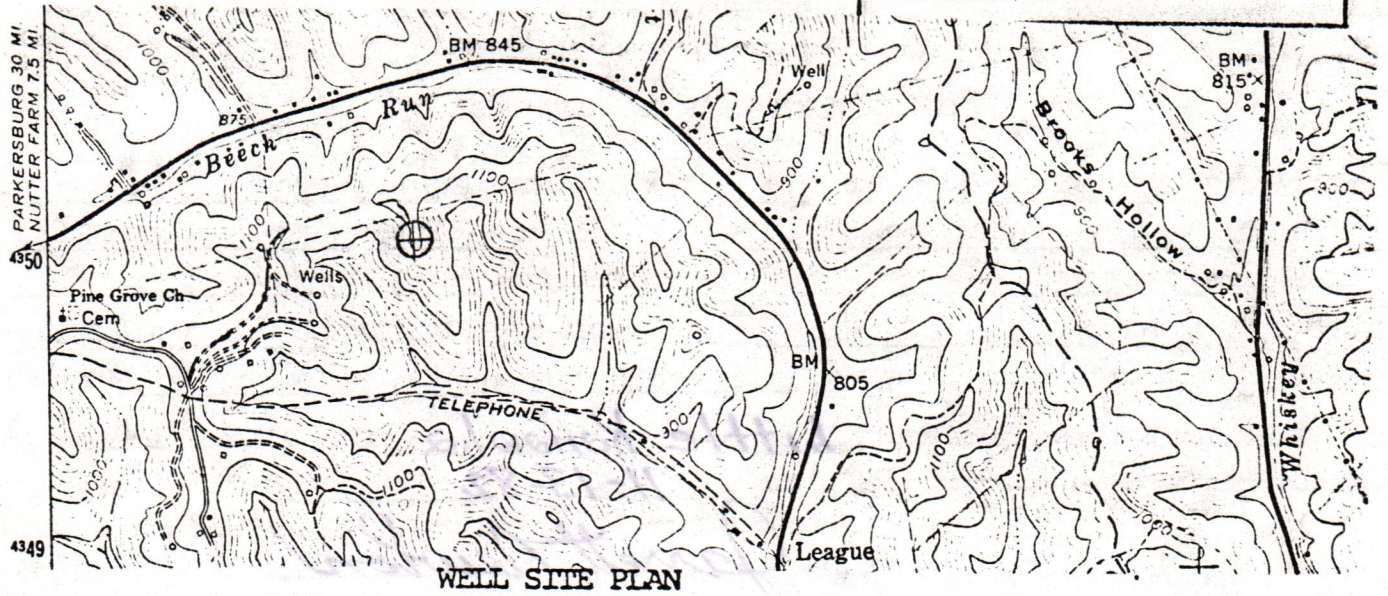
NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE ELLEN BORO

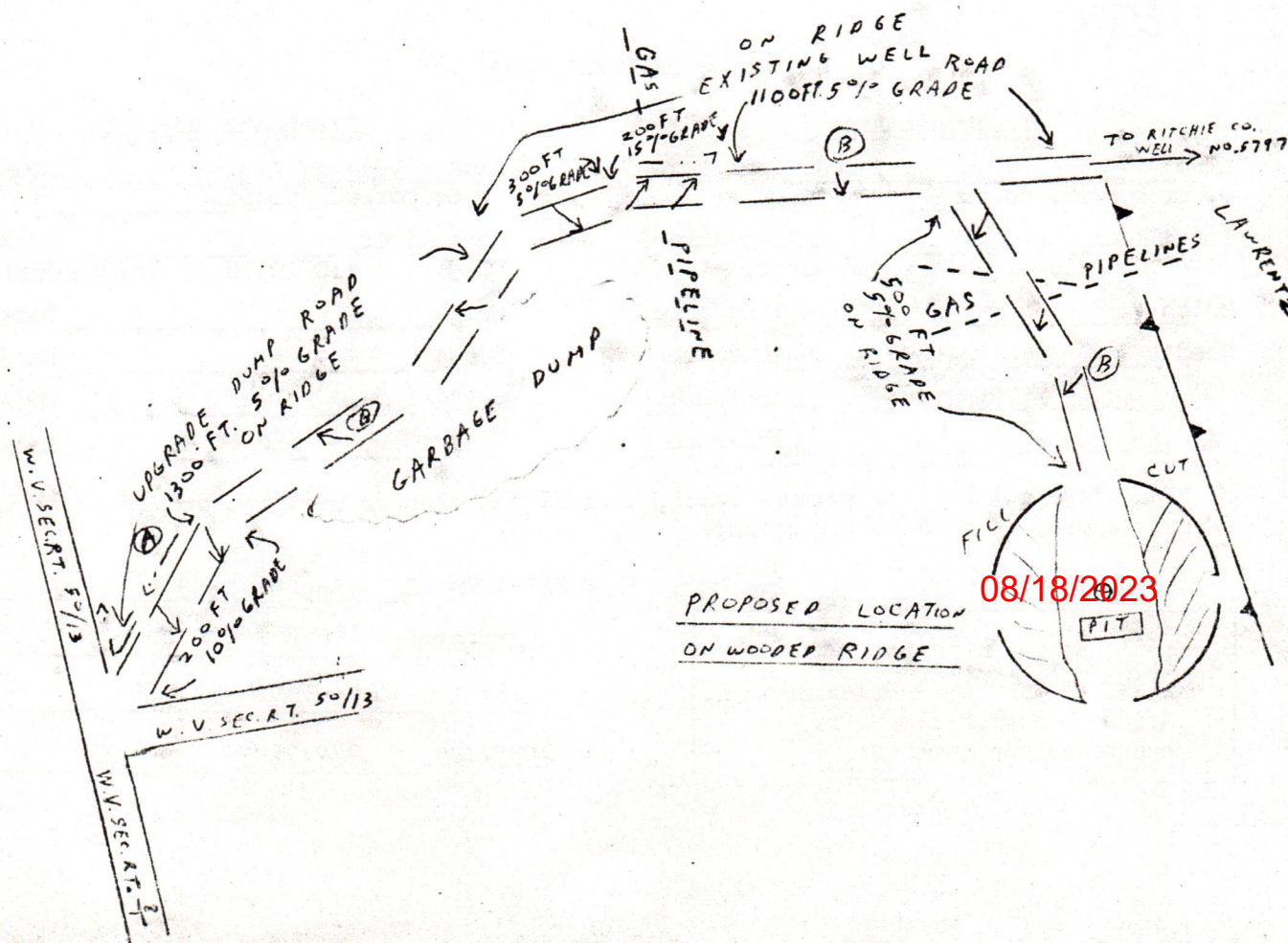
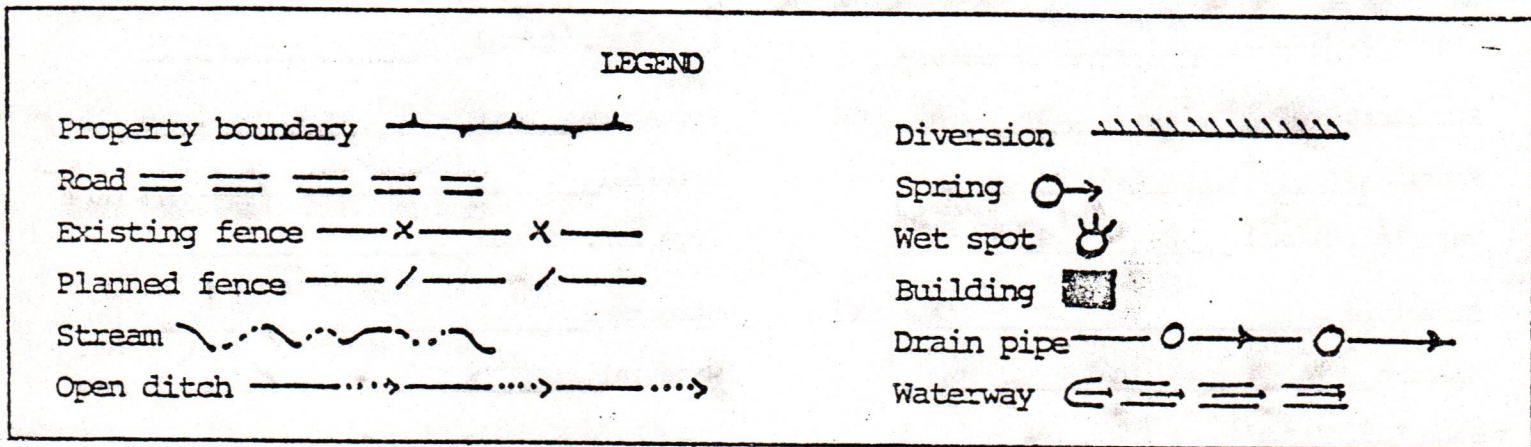
LEGEND

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.



AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

5-9968

STATE OF West Va,
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 IV-2(A) x / Form IV-3(A) / Form IV-4(A) /
- (2) Application on Form IV-2(B) x / Form IV-3(B) / Form IV-4(B) /
- (3) Plat showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well No. LEM 296 located in GRANT District, Ritchie County, West Virginia, upon the person or organization named--

WELCOME JOY DECEASED.

--by delivering the same in Ritchie County, State of WV on the 19 day of April, 1985 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

[] Handing it to him / her / 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 GARY JOY 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.

GARY JOY IS THE ADMINISTRATOR OF HIS LATE FATHER ESTATE

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 _____.

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APR 25 1985

Stephen Kelly
(Signature of person executing service)

Taken, subscribed and sworn before me this 22 day of April, 1985.

My commission expires August 30, 1993.

OIL & GAS DIVISION
DEPT. OF MINES

Danese Carney
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

08/18/2023

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

Perforate 4732-4512 (25 holes) Nitrogen frac at 24000 SCF/min, 3600 psig, ISIP: 2100 psig; total nitrogen used: 900,000 SCF

Perforate 4350-4044 (26 holes), nitrogen frac at 43000 SCF/min, 2400 psig; Total nitrogen 950,000 SCF

Perforate 3890-3652 (25 holes) nitrogen frac at 60,000 SCF/min; 2400 psig; total nitrogen used: 999,000 SCF

Perforate 3355-2929 (30 holes) nitrogen frac at 60,000 SCF/min; 2350 psig; total nitrogen used: 1730,000 SCF

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 and Shale			0	250	
Sand			250	294	
Shale, Red and Grey			430	475	
Siltstone & Shale, Red			457	550	
Shale, Grey			550	650	
Sand			650	690	
Shale & Siltstone, Red & Grey			650	1096	
Siltstone, Grey			1096	1136	
Shale & Siltstone, Grey			1136	1370	
Sand, Light grey			1370	1400	
Shale & Siltstone, Grey			1400	1720	
Sand			1720	1756	
Shale, Grey			1756	1886	
Greenbriar Limestone			1886	1930	
Shale, Grey			1930	2022	
Big Injun Sand, Light Tan			2022	2084	
Shale, Grey			2084	2462	
Berea Horizon (Absent)			2462		
Shale, grey			2462	2981	S/g @ 3820,3865,4162,4528
Total Depth			4981		

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY

Well Operator

By: R. A. P.

08/18/2023

Date: March 10, 1983

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."

IV-35
(Rev 8-81)

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OCT - 5 1983



Date March 10, 1983
Operator's
Well No. KEM #296
Farm Welcome/Joy
API No. 47 - 085 - 5996

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1090 Watershed Comfort Run
District: Grant County Ritchie Quadrangle Ellenboro

COMPANY Kaiser Exploration and Mining Company

ADDRESS P. O. Box 8, Ravenswood, WV 26164

DESIGNATED AGENT R. A. Pryce

ADDRESS Same

SURFACE OWNER Welcome Joy

ADDRESS Ellenboro, WV

MINERAL RIGHTS OWNER A. W. Nichols heirs

ADDRESS Vienna, WV 26105

OIL AND GAS INSPECTOR FOR THIS WORK

Samuel Hersman ADDRESS P. O. Box 66, Smithville, WV

PERMIT ISSUED

DRILLING COMMENCED 11/20/82

DRILLING COMPLETED 11/30/82

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"		257'	200 sks
9 5/8			
8 5/8			
7		2160	165 sks
5 1/2			
4 1/2		4933	225 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth feet

Depth of completed well 4980 feet Rotary / Cable Tools

Water strata depth: Fresh N/A feet; Salt N/A feet Drilled on fluid
Not known

Coal seam depths: None Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Brown Shale Pay zone depth 4732-2929 feet

Gas: Initial open flow 15 Mcf/d Oil: Initial open flow Bbl/d

Final open flow 162 Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 750 psig (surface measurement) after hours shut in

(If applicable due to multiple completion--)

Second producing formation Pay zone depth 08/18/2023 feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

Ritchie 596

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

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NOV 23 1982

INSPECTOR'S WELL REPORT

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Permit No. 85-5996

Oil or Gas Well _____
(KIND)

Company <u>Kaiser Exploration + Mining Co</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Welcome Joy</u>	16			Kind of Packer _____
Well No. <u>296</u>	13			
District <u>Grant</u> County <u>Ritchie</u>	10			Size of _____
Drilling commenced <u>11-19-82</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names S. Cooper - D.R. Weekley - T.L. Angus

Remarks: Clint Hurt Inc. Rig #6 tool Pusher Bill Ferreber

Ran 6 joints of 10 3/4 casing 257 foot total
Halliburton ran 200 sacks Rig with 1/4 Lb Floccul
Plug Down at 9:30 A.M.

11-20-82
DATE

Samuel M. Hersman 08/18/2023
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location			Amount			Packer			Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING								
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST						

Drillers' Names _____

Remarks: _____

DATE I hereby certify I visited the above well on this date.

08/18/2023

DISTRICT WELL INSPECTOR

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

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DEC - 7 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5996

Oil or Gas Well _____
(KIND)

Company <u>Kaiser Exploration + Mining Co.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Welcome Joy</u>	16			Kind of Packer _____
Well No. <u>296</u>	13			
District <u>Grant</u> County <u>Ritchie</u>	10			Size of _____
Drilling commenced <u>11-19-82</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names S. Cooper D.R. Weekley - T.S. Angus
Clint Hurt Assoc. Inc. Rig # 6 Tool Pusher Bill Ferrebel

Remarks:
Ran 2159 foot of 7" casing
Halliburton ran 65 sacks of 50-50 Pos. mix
and 100 sacks of Class A. neat = total of 165 sacks
Plug Down at 9:30 A.M.

11-28-82
DATE

Samuel M. Hays
DISTRICT WELL INSPECTOR

08/18/2023

FORM 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.

DATE

DISTRICT WELL INSPECTOR
08/18/2023

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

RECEIVED

FEB 1 - 1983

INSPECTOR'S WELL REPORT

Permit No. 85-5996

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Oil or Gas Well _____
(KIND)

Company <u>Kaiser Exploration + Mining Co.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Welcome Joy</u>	16			Kind of Packer _____
Well No. <u>296</u>	13			
District <u>Grant</u> County <u>Ritchie</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: *Received complaint by Welcome Joy / Land owner about condition of Road through Property used by Kem Gas and Rimrock Prod. Corp. Permit # 85-5797 to above wells. Inspected road today and it should be improved - Kem gas has already plowed some stone on road so called Rimrock Prod Corp. and left instructions for them and Kem Gas to work out situation between them and Welcome Joy*

1-26-83
DATE

Samuel N. H... 08/18/2023
DISTRICT WELL INSPECTOR

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED				BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST		

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.

DATE

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

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JUL 10 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 47-085-5996

Oil or Gas Well OIL&GAS
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>KAISER EXPLORATION & MINING CO</u>	Size			
<u>P.O. BOX 8</u>	16			Kind of Packer
<u>RAVENSWOOD, WV 26164</u>	13			
<u>Farm JOY</u>	10			Size of
<u>Well No. KEM#296</u>	8 1/4			Depth set
<u>District GRANT County RITCHIE</u>	6 5/8			
<u>Drilling commenced</u>	5 3/16			Perf. top
<u>Drilling completed</u> <u>Total depth</u>	3			Perf. bottom
<u>Date shot</u> <u>Depth of shot</u>	2			Perf. top
<u>Initial open flow</u> <u>/10ths Water in</u> <u>Inch</u>	Liners Used			Perf. bottom
<u>Open flow after tubing</u> <u>/10ths Merc. in</u> <u>Inch</u>				
<u>Volume</u> <u>Cu. Ft.</u>	CASING CEMENTED <u>SIZE</u> <u>No. FT.</u> <u>Date</u>			
<u>Rock pressure</u> <u>lbs.</u> <u>hrs.</u>	NAME OF SERVICE COMPANY			
<u>Oil</u> <u>bbls., 1st 24 hrs.</u>	COAL WAS ENCOUNTERED AT <u>FEET</u> <u>INCHES</u>			
<u>Fresh water</u> <u>feet</u> <u>feet</u>	<u>FEET</u> <u>INCHES</u> <u>FEET</u> <u>INCHES</u>			
<u>Salt water</u> <u>feet</u> <u>feet</u>	<u>FEET</u> <u>INCHES</u> <u>FEET</u> <u>INCHES</u>			

Drillers' Names _____

Remarks: STATUS FOR FINAL RELEASE

LOCATION IS LEVELED AND DOZER WORK IS O.K., BUT NEEDS TO BE SEEDED, LIMED, MULCHED, ETC.
I WILL NOTIFY COMPANY.

Glenn P. Robinson
GLENN P. ROBINSON
DISTRICT WELL INSPECTOR

5 JULY 1984
DATE

08/18/2023

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR

08/18/2023

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

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JUN 19 1985

INSPECTOR'S PLUGGING REPORT
OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 47-085-5996-P

Well No. KEM-296

COMPANY KAISER EXPLORATION + MINING CO. ADDRESS P.O. BOX 8 RAVENSWOOD, WV 26164
FARM WELCOME JOY DISTRICT GRANT COUNTY RITCHIE

Filling Material Used GEL

Liner			Location	Amount	Packer	Location	
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST
<u>4904 - 4535</u>	<u>FLUID LEFT IN HOLE</u>		<u>- NO PERF. BELOW THIS POINT BROKE DOWN</u>				
<u>4535 - 2000</u>	<u>GEL HOLE BEFORE CEMENTING HOLE</u>		<u>(50 BK)</u>				
<u>4535 - 4000</u>	<u>CEMENT</u>	<u>44 SACKS</u>					
<u>4000 - 3900</u>	<u>GEL</u>						
<u>3900 - 3600</u>	<u>CEMENT</u>	<u>24 sacks</u>					
<u>3600 - 3400</u>	<u>GEL</u>						
<u>3400 - 2870</u>	<u>CEMENT</u>	<u>39 sacks</u>					

Drillers' Names _____

Operator - Kem Gas

Remarks: Sel + Cement placed in hole with 2" tubing

6-10-85 I hereby certify I visited the above well on this date.
DATE

Samuel N. Hersman
DISTRICT WELL INSPECTOR

Administrator, Office of Oil and Gas

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

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

08/18/2023

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JUN 1 1983

OIL & GAS DIVISION

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

FORM IV-4(A)
Reverse

08/18/2023

1) Date: January 3, 1985
2) Operator's Well No. _____
3) API Well No. KEM 296 - State County Permit 6



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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A WELL

4) WELL TYPE: A Oil _____ / Gas X / Liquid injection _____ / Waste disposal _____
 B (If "Gas", Production _____ / Underground storage) _____ / Deep _____ Shallow X)

5) LOCATION: Elevation: 1090' Watershed: Comfort Run
 District: Grant County: Putnam Quadrangle: Ellenboro

6) WELL OPERATOR Kaiser Exploration & Mining Co. 7) DESIGNATED AGENT P. W. Poole
 Address P. O. Box 8 Address Same
Ravenswood, WV 26164

8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) PLUGGING CONTRACTOR
 Name Sam Hersman Name Kaiser Service Rig
 Address P. O. Box 66 Address P. O. Box 8
Smithville, WV 26178 Ravenswood, WV 26164

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APR 25 1985

OIL & GAS DIVISION
DEPT. OF MINES

10) WORK ORDER: The work order for the manner of plugging this well is as follows:

- 1) Gel hole (6% gel) through 2 3/8" tubing; spot class A cement plug 4565' - 4000'.
- 2) Pick up 2 3/8" tubing to 3900'; spot class A cement plug 3900' - 3600'.
- 3) Pick up 2 3/8" tubing to 3400'; spot class A cement plug 3400' - 2875'.
- 4) Cut 4 1/2" casing at 1960'; spot class A cement plug 1960' - 1800'.
- 5) Freepoint, cut 7" casing at 1000'; spot class A cement plug 1000' - 900'.
- 6) Pull 7" casing up to 320'; pump out class A cement from 320' - 0'.
- 7) Erect proper monument.

The law requires a comment period for surface owners. However, the permit can be issued in less than five days from the filing of the Application to plug and abandon a well 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 Permit to Plug and Abandon a Well, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-4(A), (2) an Application for a Well Work Permit on Form IV-4(B), and (3) a survey plat on Form IV-6, all for proposed well plugging work on my surface land as described therein.

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

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____

Date: _____

By _____

(Signature)

Date: _____

(Signature)

Its _____ Date: _____

Dorothy Joy 869-3654

Gary Joy Adm.
RT1 Cairo WV

08/18/2023

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

RECEIVED
JUN 21 1985
OIL & GAS DIVISION
DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

No Coal
COAL OPERATOR OR OWNER
ADDRESS
No Coal
COAL OPERATOR OR OWNER
ADDRESS
Welcome Joy
LEASE OR PROPERTY OWNER
Ellenboro, WV
ADDRESS

Kaiser Exploration and Mining Co.
NAME OF WELL OPERATOR
P. O. Box 8, Ravenswood, WV 26164
COMPLETE ADDRESS
June 18 19 85
WELL AND LOCATION
Grant District
Ritchie County
Well No. KEM 296 (47-085-5996 P)
Welcome Joy Farm

STATE INSPECTOR SUPERVISING PLUGGING: Sam Hersman

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Jackson } ss:
R. L. Coty

and R. W. Durst
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Kaiser Exploration and Mining Co. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 10th day of June, 19 85, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			CSG PULLED	CSG LEFT IN
FORMATION		SIZE & KIND		
Devonian Shale	Class A cement; 4535 - 4000 feet	44 sacks	4 1/2"	
"	6% gel: 4000 - 3900 feet		1976	2957
"	Class A cement: 3900 - 3600 feet	24 sacks	7"	860 1300
"	6% gel: 3600 - 3400 feet		10 3/4"	0 257
"	Class A cement: 3400 - 2875 feet	39 sacks		
"	6% gel: 2875 - 1976 feet			
"	Class A cement: 1976 - 1800 ft.	32 sacks		
"	6% gel: 1800 - 770 feet			
COAL SEAMS	Class A cement: 770 - 670 (42 sks)			
(NAME) None	6% gel: 670 - 300 feet			
(NAME)	Class A cement: 300 - 0 feet			
(NAME)	(144 sacks)			
(NAME)				
			DESCRIPTION OF MONUMENT	
			5' section of 8" line pipe, 30" above ground; properly labeled.	

MAJ 6-27-85

and that the work of plugging and filling said well was completed on the 12th day of June, 19 85.

And further deponents saith not.

R. W. Durst
R. L. Coty
Sworn to and subscribed before me this 20 day of June, 19 85.
Doreen Carney

08/18/2023

My commission expires:
August 30, 1993

Notary Public.
Permit No. RIT-5996

RIT 5996

REC'D. - CHAS.
4 SEP 85 11:30



State of West Virginia
Department of Energy
Oil and Gas Division
Charleston 25311
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
July 16, 1985

COMPANY Kaiser Exploration & Mining Co. PERMIT NO 085-5996-P (5-06-85)
P. O. Box 8 FARM & WELL NO Welcome Joy #296
Ravenswood, West Virginia 26164 DIST. & COUNTY Grant/Ritchie

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification Prior to Starting Work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Required Permits at Wellsite	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17.02	Method of Plugging	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18.01	Materials used in Plugging	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.02	Maintained Access Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.01	Necessary Equipment to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.04	Reclaimed Drilling Pits	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.05	No Surface or Underground Pollution	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17.06	Statutory Affidavit	<input type="checkbox"/>	<input type="checkbox"/>
7.06	Parties Responsible	<input type="checkbox"/>	<input type="checkbox"/>
7.05	Identification Markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

SIGNED Samuel M. Hersman

DATE 8-26-85

Your Affidavit of Plugging was received and reclamation requirements approved. The well designated by the above permit number has been released under your bond.

T.H. v. B.
Director- Division of Oil & Gas
September 10, 1985
DATE

Kemigas Copy

FERC-121

MAR 21 1983

OIL & GAS DIVISION
DEPT. OF MINES

1.0 API well number (If not available, leave blank, 14 digits)	47-085-5996		
2.0 Type of determination being sought (Use the codes found on the front of this form.)	103 Section of NGPA	N/A Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4732 feet		
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Kaiser Energy, Inc. Name 300 Lakeside Drive Street Oakland City, CA 94643 State Zip Code Seller Code		
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.) (b) For OCS wells:	Petroleum Field Name Ritchie County, WV State N/A Area Name Date of Lease: Mo. Day Yr. Block Number OCS Lease Number		
(c) Name and identification number of this well: (35 letters and digits maximum.)	Welcome/Joy KEM #296		
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	N/A		
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.) (b) Date of the contract: (c) Estimated annual production.	Consolidated Gas Supply Corporation Name Not yet executed Mo. Day Yr. Buyer Code 23.6 MMcf		
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	NOT YET DETERMINED		(d) Total of (a), (b) and (c)
9.0 Person responsible for this application.	2.742		2.742
Agency Use Only Date Received by Juris. Agency MAR 21 1983 Date Received by FERC	R. L. Coty Name R. L. Coty Signature 3-9-83 Date Application is Completed Petroleum Engineer Title 304 273-5371 Phone Number		

08/18/2023

PARTICIPANTS:

DATE: JUN 20 1983

BUYER-SELLER CODE

WELL OPERATOR: Kaiser Energy, Inc.

FIRST PURCHASER: Consolidated Gas Supply Corp.

004228

OTHER:

1500'

Qual 2/11

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
830321 -103-085-5996
 Use Above File Number on all Communications
 Relating to Determination of this Well

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. All 7.0 Not Yet Determined
- 2. IV-1 Agent R. L. Coy
- 3. IV-2 Well Permit _____
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening _____
- 6. IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
- 7. IV-39 Annual Production _____ years
- 8. IV-40 90 day Production _____ Days off line: _____
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - (54) - 55 - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
- (5) Date commenced: 11-20-82 Date completed 11-30-82 Deepened _____
- (5) Production Depth: 4732-2929
- (5) Production Formation: Brown Shale
- (5) Final Open Flow: 162 MCF
- (5) After Frac. R. P. 750#
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily Report
- (5) Oil Production: _____ From Completion Report _____
- 0-17. Does lease inventory indicate enhanced recovery being done No
- 0-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information 08/18/2023
- Additional information _____ Does computer program confirm? _____
- as Determination Objected to _____ By Whom? _____

75

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

Date March 9, 1983

Operator's Well No. KEM #296
API Well No. 47 - 085 - 5996
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
MGPA Section 103

WELL OPERATOR Kaiser Energy, Inc.
ADDRESS 300 Lakeside Drive
Oakland, CA 94643

DESIGNATED AGENT R. L. Coty
ADDRESS P. O. Box 8
Ravenswood, WV 26164
LOCATION: Elevation 1090
Watershed Comfort Run
Dist. Grant County Ritchie Quad. Ellenboro
Gas Purchase Contract No. _____
Meter Chart Code _____
Date of Contract Not yet executed

GAS PURCHASER Consolidated Gas Supply Corp
ADDRESS P. O. Box 2450
Clarksburg, WV 26301

* * * * *

Date surface drilling was begun: 11/20/82

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

$$BHP = P1 + P1 (e^X - 1)$$
$$X = \frac{GL}{53.34T} = \frac{(0.65)(4732)}{(53.34)(560)} = \frac{3075.8}{29870.4} = 0.10297$$
$$E^X = 1.10846$$
$$BHP = 750 + 750 (e^{0.10297} - 1) = 831 \text{ psig}$$
$$BHP = 831 \text{ psig}$$

AFFIDAVIT

I, R. L. Coty, 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.

R. L. Coty

STATE OF WEST VIRGINIA,
COUNTY OF Jackson, TO WIT:

I, Faith Ann Holbert, a Notary Public in and for the state and county aforesaid, do certify that R. L. Coty, whose name is signed to the writing above, bearing date the 9th day of March, 1983, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 15 day of March, 1983. My term of office expires on the 1 day of December, 1985.

[NOTARIAL SEAL]

Faith Ann Holbert
Notary Public

08/18/2023

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Operator's Well No. KEM #296

API Well No. 47 - 085 - 5996
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. _____
(If Applicable)

WELL OPERATOR Kaiser Energy, Inc.
ADDRESS 300 Lakeside Drive
Oakland, CA 94643

DESIGNATED AGENT R. L. Coty
ADDRESS P. O. Box 8
Ravenswood, WV 26164

Gas Purchase Contract No. _____ and Date Not yet executed
(Month, day and year)

Name of First Purchaser Consolidated Gas Supply Corporation
P. O. Box 2450
(Street or P. O. Box)
Clarksburg, WV 26301
(City) (State) (Zip Code)

FERC Seller Code -- FERC Buyer Code --

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) 103 Section of NGPA N/A Category Code
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

R. L. Coty Petroleum Engineer
Name (Print) Title
R. L. Coty
Signature
P. O. Box 8
Street or P. O. Box
Ravenswood, WV 26164
City State (Zip Code)
(304) 273-5371
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

On 3-15-83 a copy was sent by certified mail to: J. T. Greene
Consolidated Gas Supply Corp.
P. O. Box 2450
Clarksburg, WV 26301

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

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

The Department of Mines has received a request, for certification of the above described well as meeting the requirements of Section _____ under the Natural Gas Policy Act of 1976. (NGPA); or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA)

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

This Application is assigned File No. _____

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

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

WEST VIRGINIA DEPARTMENT OF MINES

MAR 21 1983

[Signature]
By Director
Title _____
08/18/2023

Date received by _____
Jurisdictional Agency

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

RECEIVED
JUN 19 1985
OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 47-085-5996-P

Well No. 296

COMPANY KAISER EXPLORATION + MINING CO. ADDRESS _____

FARM WELCOME JOY DISTRICT GRANT COUNTY RITCHIE

Filling Material Used CEMENT + GEL

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST
① 1305' cut off 7" casing - casing tight in hole, started pulling								
② Pulled two joints, pipe then stuck in hole.								
③ Brought in logging truck to run bond log								

Drillers' Names _____

Remarks: on 6-11-85 tag cement plug at depth of 2795 feet.
Cut 4" off at 1976 foot. spot cement plug at 1976 to 1800'
Pulled 4 1/2" casing

6-12-85 I hereby certify I visited the above well on this date.
DATE

Samuel N. Keroman
DISTRICT WELL INSPECTOR 08/18/2023

RECEIVED
JUN 1 9 1981
OIL & GAS DIVISION
DEPT. OF MINES

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

INSPECTOR'S WELL REPORT

Permit No. _____

Oil or Gas Well _____
(KIND)

Company _____ Address _____ Farm _____ Well No. _____ District _____ County _____ 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			Kind of Packer _____
	16			Size of _____
	13			
	10			Depth set _____
	8 1/4			
	6 5/8			Perf. top _____
	5 3/16			
	3			Perf. bottom _____
	2			
	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: _____

DATE

08/18/2023
DISTRICT WELL INSPECTOR

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

4 SEP 85 2:50

RECL. - CHAS.

INSPECTOR'S WELL REPORT

Permit No. 85-5996-P

Oil or Gas Well _____
(KIND)

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
																Size			Kind of Packer
<u>Kaiser Exploration + Mining Co.</u>		<u>Welcome Joy</u>	<u>296</u>	<u>Grant</u>	<u>Ritchie</u>											16			
																13			
																10			Size of
																8 1/4			
																6 3/4			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: Had received complaint that gas was leaking out of well
So made special inspection of well to check on complaint
Found no gas leaking or any sign of gas leaking.
NOTE water was lagging around well head at visit, so gas would
have shown.
Did find location reclaimed, seeded, mulched, lined
Made final inspection on well.
8-26-85

DATE

Samuel M. [Signature]
DISTRICT WELL INSPECTOR

08/18/2023

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT**

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

_____ 08/18/2023
DISTRICT WELL INSPECTOR

IV-27
11/23/81

Full



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date: 11-20-82
Well No: Perm # 296
API NO: 47-85-5996
State County Permit

Oil and Gas Division NOTICE OF VIOLATION

WELL TYPE: Oil X / Gas X / Liquid Injection / Waste Disposal /
Of "Gas" - Production / Storage / Deep / Shallow X /
LOCATION: Elevation: 1090 Watershed: Comfort Run
District: Grant County: Ritchie Quadrangle: Ellenboro
WELL OPERATOR Kaiser Exploration + Mining Co DESIGNATED AGENT R. A. Pryce
Address P.O. Box 8 Address P.O. Box 8
Ravenswood WV 26164 Ravenswood WV 26164

The above well is being posted this 20 day of November, 1982, for a violation of Code 22-4- and/or Regulation 23.06, set forth in detail as follows:
(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

Prior to the construction of roads, locations and pits for any permitted work the well operator or his contractor shall notify the Proper Oil and Gas Inspector

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

You are hereby granted until next string of heavy to be run on this well, 1982, to abate this violation. Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

RECEIVED

NOV 23 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Samuel M. Heroman
Oil and Gas Inspector
Address Box 66
Smithville WV 26178

Telephone: 477-3587 **08/18/2023**

Posted 11/27/82

RECEIVED

FORM IV-31

[08-78]

DEC - 7 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Date: 11-28, 19 82

Operator's Well No. KEM # 296
API Well No. 47 - 85 - 5796
State County Permit

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

NOTICE OF ABATEMENT

WELL TYPE: Oil / Gas / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production ___ / Underground Storage ___ / Deep ___ / Shallow)
LOCATION: Elevation: 1070 Watershed: Comfort Run
District: Grant County: Ritchie Quadrangle: Ellenboro 7.5
WELL OPERATOR Naiser Exploration & Mining Co DESIGNATED AGENT R. A. Prosser
Address P.O. Box 7 Address P.O. Box 7
Ravenwood WV 26164 Ravenwood WV 26164

Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection of the above named well on 11-28, 19 82,

- Upon the expiration of a period of time originally fixed for abatement.
- Upon the order of the Deputy Director for Oil and Gas at the request of the well operator.
- Upon the request of the Deputy Director for Oil and Gas.

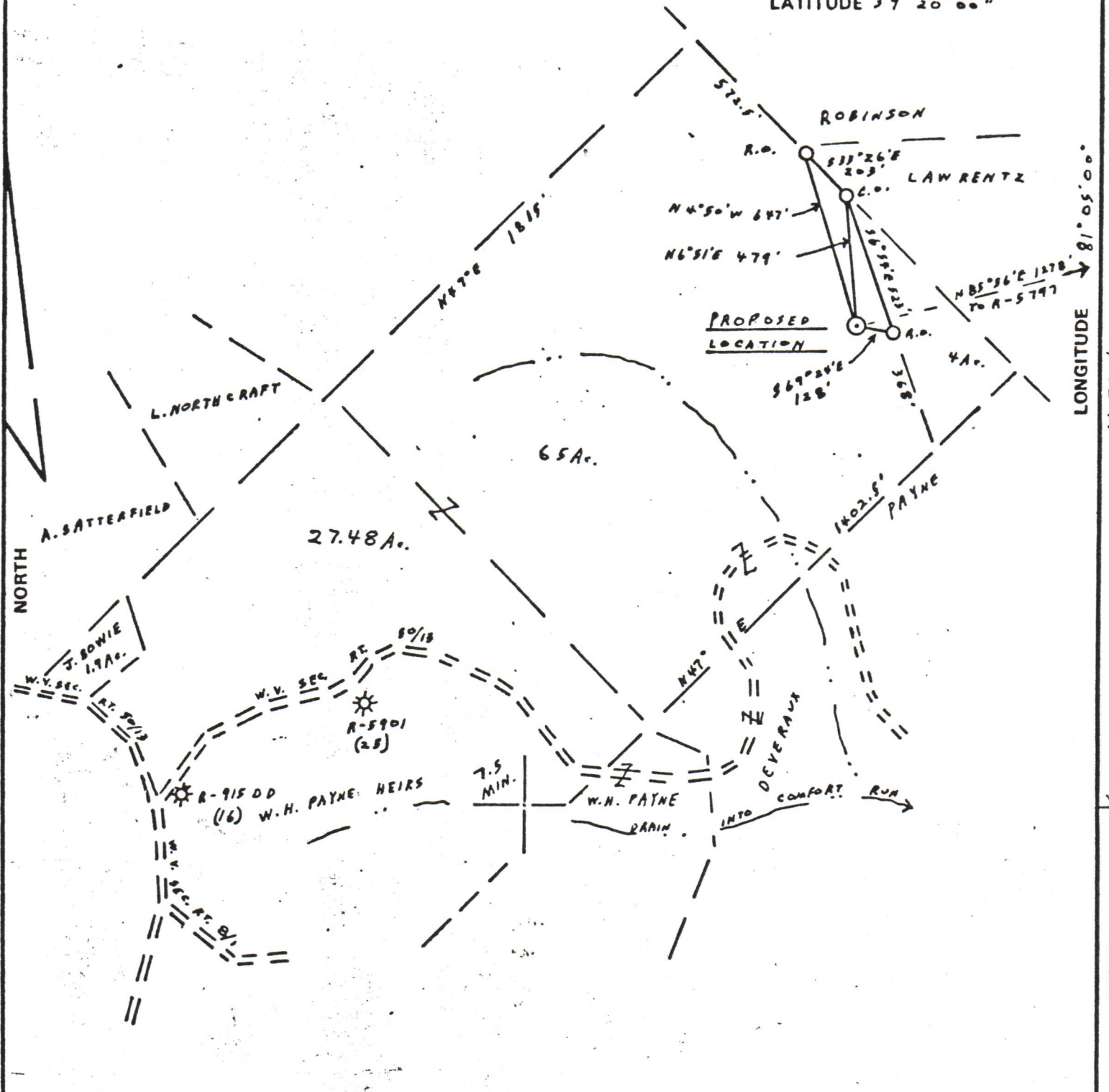
The violation of Code § Reg 23.06 heretofore found to exist on 11-20-82, 19 82, by Form IV-27, "Notice of Violation" / Form IV-28, "Imminent Danger Order" ___ / of that date has been totally abated. If the abated violation was found by an Imminent Danger Order requiring operations to cease, such requirement is hereby rescinded, and the well operator is hereby notified that he may resume operations.

COMMENTS

Postul
12/4/82

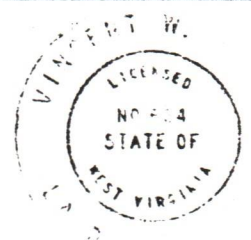
A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

Samuel A. Prosser **08/18/2023**
Oil and Gas Inspector
Address: P.O. Box 7
Smithville WV 26178
Telephone: 477-7597



FILE NO. _____
 DRAWING NO. 5-33
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION R-5797 WELL

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) Vincent W. Wood
 R.P.E. _____ L.L.S. 664



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE NOVEMBER 15, 1982
 OPERATOR'S WELL NO. KEM 296
 API WELL NO. _____
47 - 085 - 5996-P
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1090 WATER SHED COMFORT RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE ELLEN BORO 7.5'
 SURFACE OWNER WELCOME JOY ACREAGE 92.48
 OIL & GAS ROYALTY OWNER A.W. NICHOLS HEIRS LEASE ACREAGE 94.37

08/18/2023

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) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION DEVONIAN BROWN SHALE ESTIMATED DEPTH _____
 WELL OPERATOR KAISER EXPLORATION & MINING CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.
 ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8
RAVENSWOOD, W. V. 25271 RAVENSWOOD, W. V. 25271



1) Date: November 15, 19 82
 2) Operator's Well No. KEM #296
 3) API Well No. 47 085 5996
 State County Permit

DRILLING CONTRACTOR:
Clint Hurt & Assoc.
Elkview, WV

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 1090' Watershed: Comfort Run
 District: Grant County: Ritchie Quadrangle: Ellenboro 7.5'
- 6) WELL OPERATOR Kaiser Exploration and Mining Co.) DESIGNATED AGENT R. A. Pryce
 Address P. O. Box 8 Address P. O. Box 8
Ravenswood, WV 26164 Ravenswood, WV 26164
- 7) OIL & GAS ROYALTY OWNER A. W. Nichols heirs 12) COAL OPERATOR None
 Address Vienna, WV 26105 Address _____
 Acreage 94.39
- 8) SURFACE OWNER Welcome Joy 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Ellenboro, WV Name None
 Acreage _____ Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Samuel N. Hersman Address _____
 Address P. O. Box 66
Smithville, WV 26178
- 15) PROPOSED WORK: Drill / Drill deeper _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Devonian Brown Shale
- 17) Estimated depth of completed well, 7000' 1750' feet
- 18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No _____

RECEIVED
 NOV 15 1982

OIL & GAS DIVISION
 DEPT. OF MINES

20) 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		Kinds	Perforations: Top Bottom
Conductor						250	250	150 sks class A (to surface)		
Fresh water	10 3/4							65 sks 50/50 pozmix		
Coal						3200	3200	100 sks class A		
Intermediate	7"					4500 7000	4500 7000	225 sks 50/50 pozmix		
Production	4 1/2"									
Tubing										
Liners										

- 21) 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.)
- 22) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.
- 23) Required Copies (See reverse side.)
- 24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.
- Signed: R. A. Pryce
 Its: General Manager
- Notary: _____
 My Commission Expires _____

OFFICE USE ONLY
DRILLING PERMIT
 Permit number 47-085-5996 Date November 15 19 82
 08/18/2023

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. 10) 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.)
 unless drilling is commenced prior to that date and prosecuted with due diligence.

Permit expires July 15, 1983

Bond: <u>Blanket</u>	Agent: <u>T.S</u>	Plat: <u>T.S</u>	Casing: <u>T.S</u>	Fee: <u>960487</u>
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[Signature]
 Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) **The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.**

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

08/18/2023

Date: _____, 19____

By _____
Its _____

LEASE SUMMARYTract Discription

County: Ritchie

District: Grant

Acres: 94.39

Bounded By: North - Robinson & Lawrentz

East - Payne & Deveraux

South - W. H. Payne and Payne heirs

West - A. Satterfield & L. Northcraft

Lease Parties

Lessor(s): A. W. Nichols heirs

Lessee: White's Well Service To be assigned to Reserve Ohio Investment Corporation (Not yet recorded)

Recording Information

Book and Page: 144/48, 144/58, 144/61

Royalty Provision

1/8 of prevailing field price

RECEIVED

NOV 15 1982

OIL & GAS DIVISION
DEPT. OF MINES