



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE April 30, 1980

Surface Owner Bethlehem Mines Corporation Company Texas International Petroleum Corp.  
 Address 7012 MacCorkle Ave., S.E., Chas., WV Address Suite 740, One Valley Sq., Chas., WV  
 Mineral Owner Bethlehem Steel Corporation, etal Farm Bethlehem Mines Corp. Acres 6226.62  
 Address Bethlehem, Pennsylvania 18016 Location (waters) Twenty Mile Creek  
 Coal Owner Bethlehem Steel Corporation, etal Well No. 55 Elevation 1314.83'  
 Address Bethlehem, Pennsylvania 18016 District Jefferson County Nicholas  
 Coal Operator Bethlehem Mines Corporation Quadrangle Lockwood  
 Address 7012 MacCorkle Ave., S.E., Chas., WV

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 1-12-81.

INSPECTOR  
TO BE NOTIFIED Leroy Hopkins  
ADDRESS General Delivery, Ansted, W. Va. 25812  
PHONE 658-4280

*Robert L. Blanton*  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated July 8 1975 by Bethlehem Steel Corporation made to Texas International and recorded on the 20th day of January 1976, in Nicholas County, Book 36 Page 684

NEW WELL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

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

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

Very truly yours, *James M. Blanton (Sr)*  
(Sign Name) TEXAS INTERNATIONAL PETROLEUM CORP.  
Well Operator

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

Suite 740 One Valley Square  
Street  
Charleston  
City or Town  
West Virginia 25301  
State

09/29/2023

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

BLANKET BOND

47-067-0541

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by *James M. Blanton (Sr)*



THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO  DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Appalachian Drilling Company NAME James M. Blanton  
 ADDRESS 333 Morrison Building, Chas., WV ADDRESS 740 One Valley Sq., Chas., WV  
 TELEPHONE (304) 344-3591 TELEPHONE (304) 345-3430  
 ESTIMATED DEPTH OF COMPLETED WELL: 2150' ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Injun  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS  COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 <u>11-3/4"</u>	40'	40'	None
9 - 5/8			
8 - 5/8	300'	300'	Cement to surface.
7			
5 1/2			
4 1/2	2150'	2150'	Cement w/100 sx.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS None indicated FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS None indicated \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for Bethlehem Mines Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location. 09/29/2023

We the Bethlehem Mines Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
 For Coal Company  
 \_\_\_\_\_  
 Official Title



Date April 30, 19 80  
Operator's  
Well No. Bethlehem Steel #55  
API Well No. 47- 067 - 0541  
State-County-Permit

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

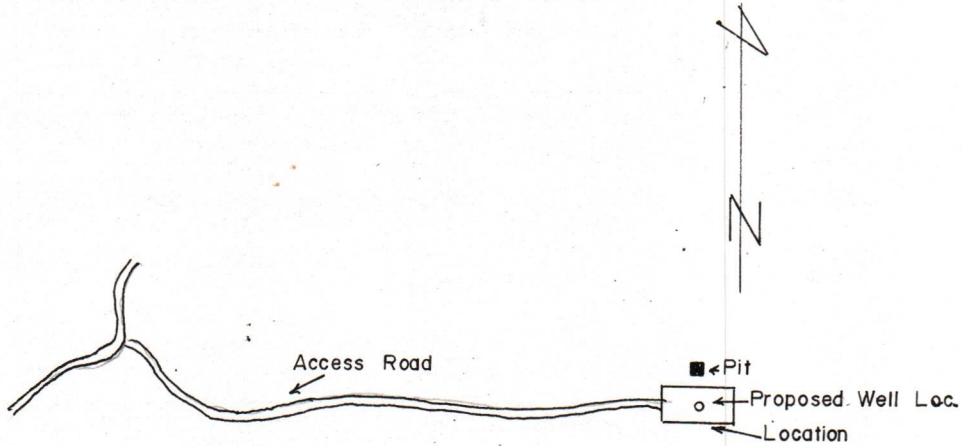
Reclamation Plan

WELL OPERATOR Texas International Pet. Corp. DESIGNATED AGENT James M. Blanton  
Address 3535 N. W. 58th Street Address Suite 740, One Valley Square  
Oklahoma City, Oklahoma 73112 Charleston, West Virginia 25301

The well operator hereby agrees to carry out the reclamation requirements of Code § 22-4-12b in the manner set out below.

This plan has      / has not X / been reviewed with the district oil and gas inspector.

SKETCH: (Locate and show the (1) well location, (2) existing access road, (3) access road to be constructed, (4) well site, (5) drilling pit(s), (6) necessary drainage features, including drains (natural and manmade), silt traps, etc.).



STATEMENT OF RECLAMATION PLAN (Complete on reverse side if necessary).

The access road will leave Twenty Mile Creek Road in a southerly direction. The location will be built in an east-west direction and ditched to prevent runoff. The pit will be on the north side and lined to prevent leakoff. All small trees and brush will be cut and disposed of. There are no houses in the area.

Upon completion of the well, the pit will be backfilled and the location reclaimed leaving only the area necessary for future well operations. All cut and disturbed areas will be seeded and fertilized as required.

This plan was observed and agreed upon between the well operator and the contractor.

RECEIVED  
APR 30 1980

OIL & GAS DIVISION  
DEPT. OF MINES

*Blanton*  
09/29/2023

TEXAS INTERNATIONAL PETROLEUM CORPORATION  
Well Operator  
BY James M. Blanton (Ch)  
James M. Blanton  
ITS Division Manager





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DEC 2 1981

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas   
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Quadrangle Lockwood 7.5'

Permit No. 47-067-0541

Company <u>Texas International Petroleum Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>740 One Valley Square, Charleston, WV</u>	Size			
Farm <u>Bethlehem Mines Corp.</u> Acres <u>6226.62</u>	20-16			
Location (waters) <u>Twenty Mile Creek</u>	Cond.			
Well No. <u>55</u> Elev. <u>1314.83'</u>	13-10" 11-3/4"	72'	72'	to surface.
District <u>Jefferson</u> County <u>Nicholas</u>	9 5/8			
The surface of tract is owned in fee by _____	8 5/8	750'	750'	160 sx Std. Bulk.
<u>Bethlehem Mines Corporation</u>	7			
Address <u>7012 MacCorkle Ave., Charleston, WV</u>	5 1/2			
Mineral rights are owned by <u>Bethlehem Steel Corp.</u>	4 1/2	2180'	2180'	150 sx Thixotropic
Address <u>Bethlehem, Pennsylvania</u>	3			
Drilling Commenced <u>July 29, 1980</u>	2 2-3/8"	2058'	2058'	
Drilling Completed <u>August 2, 1980</u>	Liners Used			
Initial open flow <u>N/M</u> cu. ft. <u>--</u> bbls.				
Final production <u>207M</u> cu. ft. per day <u>N/A</u> bbls.				
Well open <u>6</u> hrs. before test <u>285</u> RP.				

Well treatment details:

Attach copy of cementing record.

Perforated @ 2117'-2120', 7 shots; 2058 1/2'-2065 1/2', 6 shots, for a total of 13 shots.  
Spotted 12 bbls. 28% HCl. Loaded hole. Broke formation w/1700 PSI. AIR-4 BPM  
AIP-1400 PSI. 5 minutes-600 PSI, 15 minutes-500 PSI, 30 minutes-500 PSI.

Coal was encountered at 405'408', 430-432' Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 430 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Big Lime Depth 2117

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale		Soft	0	65		
Rock	Gray	Hard	65	72		
Sand	White	Hard	72	120		
Sand & Shale		Medium	120	152		
Sand	White	Hard	152	296		
Shale	Dark	Soft	296	405		
Coal	Black	Soft	405	408	Coal @ 405-408'.	
Shale		Soft	408	430		
Coal	Black	Soft	430	432	Water	
Sand	White	Medium	432	465		
Shale		Soft	465	545		
Sand	White	Medium	545	600		
Shale		Soft	600	640		
Sand		Medium	640	742		
Shale		Soft	742	910		
Shale	White	Medium	910	1141		
Sand & Shale	White	Medium	1141	1229		
Shale	Gray	Soft	1229	1300		
Sand	White	Medium	1300	1500		
Shale	Gray	Soft	1500	1542		
Red Rock	Red	Soft	1542	1552		
Shale	Gray	Soft	1552	1554		
Red Rock	Red	Soft	1554	1580		
Sand	White	Medium	1580	1589		

09/29/2023



Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Red Rock	Red	Soft	1589	1634		
Shale		Soft	1634	1668		
Sand	White	Medium	1668	1737		
Shale		Soft	1737	1800		
Sand			1800	1821		
Shale			1821	1885		
Big Lime			1885	2194	T.D.	

09/29/2023



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

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INSPECTOR'S WELL REPORT

Permit No. NIC 541

OIL & GAS DIVISION  
DEPT. OF MINES GAS

Company <u>TEXAS INTER</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
	Address <u>CHARLESTON</u>	Size		
Farm <u>BATHAM MINES</u>	16			Kind of Packer
Well No. <u>55</u>	13			
District <u>JEFFERSON</u> County <u>NIC</u>	<del>10</del> <u>11</u>	<u>72</u>	<u>72</u>	Size of
Drilling commenced <u>7-28-80</u>	<u>8 1/4</u>	<u>755</u>	<u>755</u>	<u>Cemented</u>
Drilling completed _____ Total depth _____	<u>6 3/8</u>			<u>160 SRS</u>
Date shot _____ Depth of shot _____	<u>5 3/16</u>			Depth set
Initial open flow _____ /10ths Water in _____ Inch	<u>3</u>			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	<u>2</u>			Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Rock pressure _____ lbs. _____ hrs.				Perf. bottom
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>8 5/8</u> SIZE <u>755</u> No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>HALLIBURTON</u>			
Salt water _____ feet _____ feet	<u>405-408</u> COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	<u>430-432</u> _____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:

CALL TO RUN PIPE, RAN 755, 8 5/8  
CEMENTED 160 SRS CIRCULAR OIL  
PLUG DOWN 1230 AM BY HALLIBURTON

7-31-80

DATE

Leroy [Signature]  
DISTRICT WELL INSPECTOR

09/29/2023



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

09/29/2023

DISTRICT WELL INSPECTOR



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

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

Permit No. NIC 541

Oil or Gas Well GAS  
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
<u>Texas Inter</u>	Size			
<u>CHARLESTON</u>	16			Kind of Packer
<u>BATHLEM MINE</u>	13			
<u>55</u>	10			Size of
<u>JEFFERSON</u> County <u>NIC</u>	8 1/4			
<u>7-28-80</u>	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: CHUCKED NIC 541 CO STARTED TO DRILL

7-28-80  
DATE

Leag Wether  
INSPECTOR

08/29/2023



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: \_\_\_\_\_

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

09/29/2023

DISTRICT WELL INSPECTOR



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

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INSPECTOR'S WELL REPORT & GAS DIVISION  
DEPT. OF MINES

Permit No. NIG 541

Oil or Gas Well GAS  
(KIND)

Company <u>TRAG INTER</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
	Address <u>CHARLSTON</u>	Size		
Farm <u>BETHLEHEM MINES</u>	16			Kind of Packer
Well No. <u>53</u>	13			
District <u>JEFFERSON</u> County <u>NIG</u>	10			Size of
Drilling commenced <u>7-28-80</u>	8 1/4	<u>755</u>	<u>755</u>	<u>Cementum</u>
Drilling completed _____ Total depth _____	6 3/4			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: CHECKED NIG 541 BECAUSE CO DID NOT CUT AND STAGK TIMBER

8-4-80  
DATE

LEY H. [Signature] 09/29/2023  
DISTRICT WELL INSPECTOR



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

09/29/2023

DISTRICT WELL INSPECTOR





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DEPARTMENT OF ENERGY  
OIL AND GAS

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

JAN 7 1986

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
July 27, 1984

COMPANY Texas Int. Petroleum Corp.  
6525 N. Meridian  
Oklahoma City, Oklahoma 73116

PERMIT NO 067-0541 (4-12-80)  
FARM & WELL NO Bethlehem Mines #55  
DIST. & COUNTY Jefferson/Nicholas

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 Craig Duckworth  
DATE 1/2/86

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.

**RECEIVED**  
DEPARTMENT OF ENERGY  
OIL AND GAS

T. H. ...  
Administrator-Oil & Gas Division  
January 17, 1986

DATE

JAN 7 1986

09/29/2023



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DEPARTMENT OF ENERGY  
OIL AND GAS

JAN 7 1986

State of Texas  
Department of Energy  
Oil and Gas Division  
Austin, Texas

[Faint, mostly illegible text, likely a letter or report body]

*[Handwritten signature]*

RECEIVED  
DEPARTMENT OF ENERGY  
OIL AND GAS

JAN 7 1986

09/29/2023



1.0 API well number: (If not assigned, leave blank. 14 digits.)	- - <u>067 - 0541</u>															
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>103</u> Section of NGPA <u>T</u> Category Code															
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	<u>2194</u> feet															
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>Texas International Petroleum Corp.</u> <u>018753</u> Seller Code <u>3535 NW 58th Ste 300</u> Street <u>Oklahoma City</u> <u>OK</u> <u>73112</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.)	<u>Twenty Mile Creek</u> Field Name <u>Nicholas</u> <u>WV</u> County State															
(b) For OCS wells:	Area Name _____ Block Number _____  Date of Lease: _____ Mo. Day Yr. OCS Lease Number _____															
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>Bethlehem Steel #55</u>															
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	_____															
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>Cabot Corporation</u> Name Buyer Code															
(b) Date of the contract:	<u>12 1 87 9</u> Mo. Day Yr.															
(c) Estimated total annual production from the well:	<u>36</u> Million Cubic Feet															
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;"></th> <th style="width:15%;">(a) Base Price</th> <th style="width:15%;">(b) Tax</th> <th style="width:15%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width:15%;">(d) Total of (a), (b) and (c)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</td> <td style="padding: 5px;">\$/MMBTU <u>2.552</u></td> <td style="padding: 5px;"><u>0.281</u></td> <td style="padding: 5px;">- . - - -</td> <td style="padding: 5px;"><u>2.833</u></td> </tr> <tr> <td style="padding: 5px;">8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)</td> <td style="padding: 5px;">\$/MMBTU <u>2.552</u></td> <td style="padding: 5px;"><u>0.281</u></td> <td style="padding: 5px;">- . - - -</td> <td style="padding: 5px;"><u>2.833</u></td> </tr> </tbody> </table>		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	\$/MMBTU <u>2.552</u>	<u>0.281</u>	- . - - -	<u>2.833</u>	8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	\$/MMBTU <u>2.552</u>	<u>0.281</u>	- . - - -	<u>2.833</u>
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9.0 Person responsible for this application:	<u>Roy A. Cutsinger</u> <u>Mgr. Gas Contracts</u> Name Title <u>Roy A. Cutsinger</u> Signature <u>12-3-81</u> <u>405-947-8682</u> Date Application is Completed Phone Number															

Agency Use Only
Date Received by Juris. Agency <b>DEC 10 1981</b>
Date Received by FERC



PARTICIPANTS:

DATE: MAY 7 1982

BUYER-SELLER CODE

WELL OPERATOR: Texas International Petroleum

018753

FIRST PURCHASER: Cabot Corp

OTHER: \_\_\_\_\_

W. Va. Department of Mines, Oil & Gas Division  
WELL DETERMINATION FILE NUMBER

81-12-10 - 103-067 = 0541

Use Above File Number on all Communications  
Relating to Determination of this Well

*Deferred for BP calculation*  
*J. H. Huggins*

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121  Items not completed - Line No. 7.0 8.0 C
- 2. IV-1 Agent  James M. Blanton
- 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: 7-29-80 Date completed 8-2-80 Deepened
- (5) Production Depth: 2117
- (5) Production Formation: Big Lime
- (5) Final Open Flow: 207 mcf
- (5) After Frac. R. P. 285 # 6 hrs
- (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
- 10-17. Does lease inventory indicate enhanced recovery being done No
- 10-17. Is affidavit signed?  Notarized?

Does official well record with the Department confirm the submitted information? 09/29/2023

Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_

Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

HH



STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Texas Int'l Petrol. Corp. DESIGNATED AGENT James M. Blanton  
ADDRESS 3535 NW 58th Ste 300 ADDRESS Ste 740, One Valley Square  
Oklahoma City, OK 73112 Charleston, WV 25301  
Gas Purchase Contract No. 4211 and Date 12 18 79  
(Month, day and year)  
Meter Chart Code \_\_\_\_\_  
Name of First Purchaser Cabot Corporation  
P.O. Box 1473  
(Street or P. O. Box)  
Charleston WV 25325  
(City) (State) (Zip Code)  
FERC Seller Code 018753 FERC Buyer Code \_\_\_\_\_

TYPE OF DETERMINATION BEING SOUGHT: 103 Category Code  
 (1) Initial determination (See FERC Form 121.) Section of NGPA  
 (2) Determination that increased production is the result of enhanced recovery technology.  
 (3) Determination of a seasonally affected well.

Roy A. Cutsinger Mgr. Gas Contracts  
Name (Print) Title  
Roy A. Cutsinger  
Signature  
3535 NW 58th  
Street or P. O. Box  
Oklahoma City OK 73112  
City State (Zip Code)  
405 947-8682  
Area Phone Number  
Code

(Certificate of Proof of Service to Purchaser)

A copy of this filing has been sent to the Purchaser by Certified Mail.

(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).  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

DEC 10 1981

Date received by Jurisdictional Agency

By J. E. Huggins Director  
Title \_\_\_\_\_

09/29/2023



Checklist of minimum forms and information needed to apply for each well classification. Each is identified by an "Item No.". The "Items" required are listed beneath each well classification.

FOR NEW ONSHORE WELL - Sec. 102 NGPA - More than 2.5 miles from a marker well.  
Items - 1,2,3,4,5,6,9,10,22,23 - (18 & 19 Qualified)

FOR NEW ONSHORE WELL - Sec. 102 NGPA - More than 1,000 feet deeper than a marker well.  
Items - 1,2,3,4,5,6,9,11,22,23 - (18 & 19 Qualified)

FOR NEW ONSHORE RESERVOIR WELL - Sec. 102 NGPA  
Items - 1,2,3,4,5,6,9,12,20,21,24 - (18 & 19 Qualified)

FOR NEW ONSHORE PRODUCTION WELL - Sec. 103 NGPA  
Items - 1,2,3,4,5,6,9,13

FOR HIGH COST GAS - Sec. 107 NGPA  
Items - 1,2,3,4,5,6,9,14,19 - (18 Qualified)

FOR STRIPPER WELLS - Sec. 108 NGPA  
Items - 1,2,3,4,5,6,7,8,9,15 (28 If Available)

FOR STRIPPER WELLS - Sec. 108 NGPA - Enhanced Recovery  
Items - 9,16

FOR STRIPPER WELLS - Sec. 108 NGPA - Seasonally Affected  
Items - 9,17,28

<u>ITEM NOS.</u>	<u>FORM NO.</u>	<u>DESCRIPTION</u>
1.	FERC 121	
2.	IV-1	Operator Agent Certification
3.	IV-2	Well Permit Application
4.	IV-6	Well Plat
5.	IV-35	Well Operator's Drilling Report
6.	IV-36	Gas/Oil Ratio Test Report
7.	IV-39	Report of Annual Production
8.	IV-40	Ninety (90) Day Production Report
9.	IV-48WC	State Application for Well Classification
10.	IV-51WC	Wells drilled more than 2.5 miles from a marker well
11.	IV-52WC	Wells drilled more than 1,000 ft. deeper than a marker well
12.	IV-53WC	New Onshore Reservoir Well
13.	IV-54WC	New Onshore Production Well
14.	IV-55WC	High Cost Natural Gas Well
15.	IV-56WC	Stripper Well Classification
16.	IV-57WC	Stripper - Increased Production by Enhanced Recovery
17.	IV-58WC	Stripper - Seasonally Affected
18.	N/A	Directional Survey
19.	N/A	Electric Logs
20.	N/A	Subsurface cross-section charts (Geological charts)
21.	N/A	Formation Structure Map
22.	N/A	1:4000 Well Location Map
23.	N/A	Well Tabulation Sheet
24.	N/A	Gas Analysis
25.	N/A	Other
26.	N/A	Notice - Increase of Production
27.	N/A	Lease Inventory
28.	N/A	Tax records or verified copies of billing statements for appropriate per

DEC 10 1981

09/29/2023



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

Date December 3 1981  
Operator's Well No Bethlehem Steel #55  
API Well No 47 State 067 County 0541 Permit

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL  
NCPA Section 103

DESIGNATED AGENT James M. Blanton  
ADDRESS Ste 740, One Valley Square  
Charleston, WV 25301

WELL OPERATOR Tex. Int'l. Petro. Corp. LOCATION Elevation 1314.83'  
ADDRESS 3535 NW 58th Ste 300 Watershed Twenty Mile Creek  
Oklahoma City, OK 73112 Dist Jefferson County Nicholas Quad Lockwood 7.5

GAS PURCHASER Cabot Corporation Gas Purchase Contract No 4211  
ADDRESS P.O. Box 1473 Meter Chart Code \_\_\_\_\_  
Charleston, WV 25325 Date of Contract 12-18-79

\* \* \* \* \*

Date surface drilling was begun July 29, 1980

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

Please see attached sheet.

AFFIDAVIT

I, Roy A. Cutsinger, 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.

Roy A. Cutsinger  
Roy A. Cutsinger  
Manager Gas Contracts T

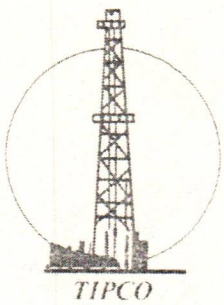
STATE OF OKLAHOMA,  
COUNTY OF OKLAHOMA, TO WIT

I, Marsha Magill, a Notary Public in and for the state and county aforesaid, do certify that Roy A. Cutsinger, whose name is signed to the writing above, bearing date the 4 day of December, 1981, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 4 day of December, 1981. My term of office expires on the 27 day of August, 1985.

Marsha E. Magill  
Notary Public

[NOTARIAL SEAL]





# TEXAS INTERNATIONAL PETROLEUM CORPORATION

APPALACHIAN DIVISION

## BOTTOM PRESSURE CALCULATIONS

BETHLEHEM STEEL #55

067-0541

$$CP = P_w = 550 \text{ psig}$$

$$g = 0.6066$$

$$l = 2121'$$

$$T_{wh} = 60^\circ\text{F} + 459.7 = 519.7^\circ\text{R}$$

$$T_{bh} = (1^\circ/100')(2121') + 459.7 + 60^\circ = 540.91^\circ\text{R}$$

$$s = .9147$$

$$x = \frac{l}{53.34T} \quad \text{where } T = \frac{T_{wh} + T_{bh}}{2} = 530.305^\circ\text{R}$$

$$x = 3.535 \times 10^{-5}$$

$$P_f = P_w e^{xgls} = 573.36 = 573$$

**RECEIVED**

JUL 22 1982

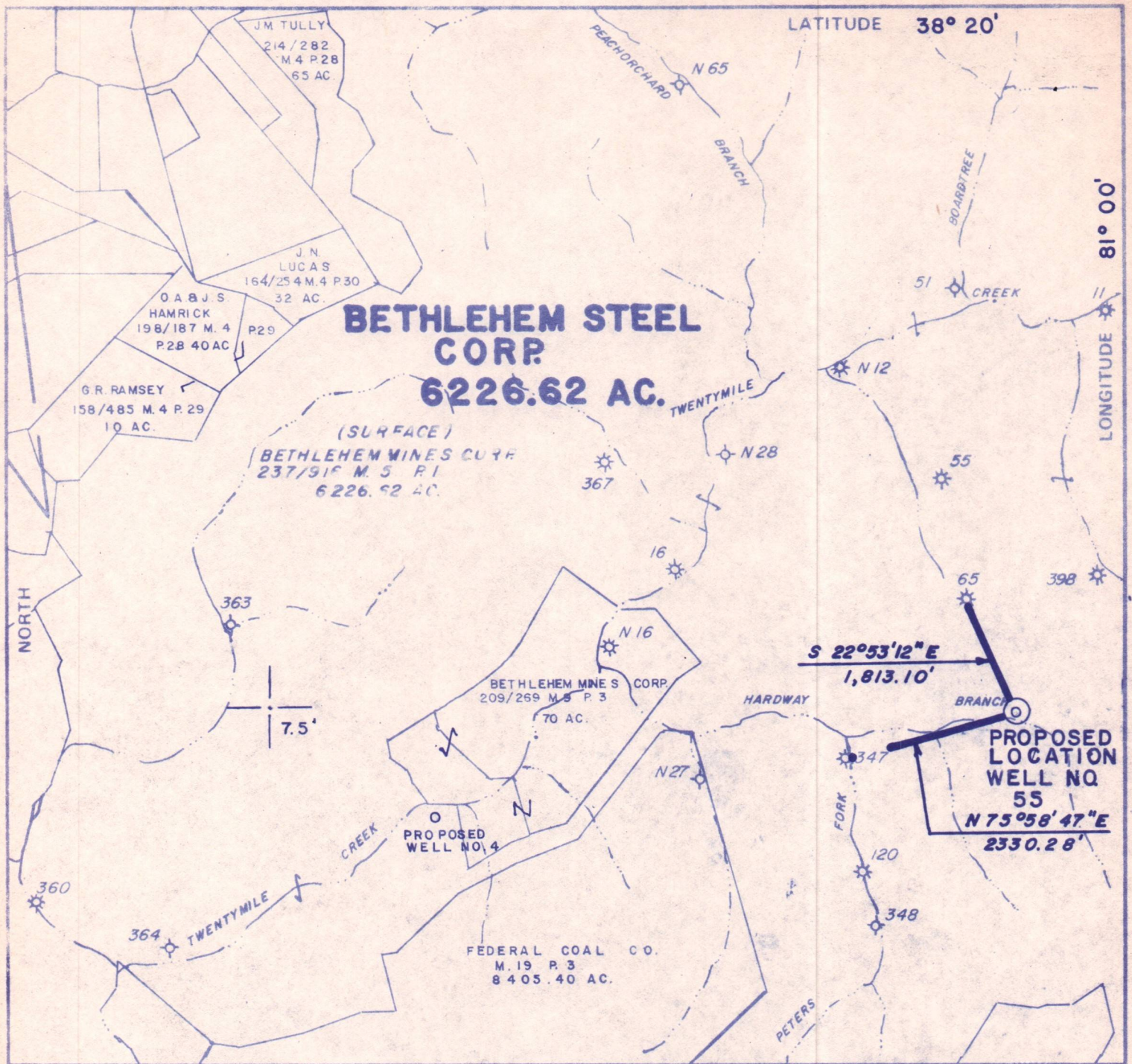
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

SUITE 740 • ONE VALLEY SQUARE • CHARLESTON, WEST VIRGINIA 25301

(304) 345-3430

09/29/2023





FILE NO. 576  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1" in 200'  
 PROVEN SOURCE OF ELEVATION STATION NO. BB-22 BETHLEHEM MINES CORP.

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 AND RECLAMATION.  
 (SIGNED) J. Brackench  
 R.P.E. 3594 L.L.S. \_\_\_\_\_



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

**RECEIVED**  
 APR 30 1980



DATE APRIL 19 80  
 OPERATOR'S WELL NO. 55  
 API WELL NO. 47  
 STATE 47 COUNTY \_\_\_\_\_ PERMIT \_\_\_\_\_

STATE OF WEST VIRGINIA

OIL & GAS DIVISION  
 DEPT. OF MINES

WELL TYPE OIL WASTE DISPOSAL  
 (IF "GAS") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X  
 LOCATION ELEVATION 1314.83 WATER SHED TWENTYMILE CREEK  
 DISTRICT JEFFERSON COUNTY NICHOLAS  
 QUADRANGLE LOCKWOOD  
 SURFACE OWNER BETHLEHEM MINES CORP. ACREAGE 6226.62  
 OIL & GAS ROYALTY OWNER BETHLEHEM STEEL CORP. LEASE ACREAGE 6226.62  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X 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 \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR TEXAS INTER-L PETR. DESIGNATED AGENT JAMES M. BLANTON  
 ADDRESS SUITE 200 NATIONAL FOUNDATION CENTER ADDRESS SUITE 740 ONE VALLEY SQUARE  
3535 N.W. 58TH ST. OKLAHOMA CITY, OKLAHOMA 73112 CHARLESTON, WEST VIRGINIA 25301

09/29/2023