



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 11 1975

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 December 10, 1975

Surface Owner Federal Coal Company

Company Texas International Petroleum Cor

Address Union Bldg., Charleston, W. Va.

Address 706 Comm. Sq., Charleston, W. Va.

Mineral Owner Same as above.

Farm Federal Coal Co. Acres 7,200

Address Same as above.

Location (waters) Twenty Mile Creek

Coal Owner Same as above.

Well No. #21 Elevation 1397.41

Address Same as above.

District Jefferson County Nicholas

Coal Operator Same as above.

Quadrangle Clay

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

If 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 4-11-76.

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Martin Nichols
PH: 548-6993 ADDRESS Clendenin, W. Va.

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 23, 1965 by Federal Coal Co. made to (Platco Corp.) TIPCO and recorded on the 23rd day of July 1965, in Nicholas County, Book 135 Page 291

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 owners 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.

Very truly yours, Texas International Petroleum
(Sign Name) Jim Blanton
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey Address
P. O. Box 879 of
Morgantown, W. Va. 26505 Well Operator

AC 304-296-4461

706 Commerce Square
Street
Charleston
City or Town
West Virginia 25301
State

11/17/2023

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.

Nic-386 PERMIT NUMBER
47-067

whereof.

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

We the FEDERAL 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. 11/17/2023

Lyde M. Mowman
For Coal Company
Vice President
Official Title



DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

CUSTOMER 4101

SERVICE AND INVOICE NUMBER 1-18-1940
 TERMS: DUE END OF MONTH FOLLOWING MONTH OF SALE. 519908

Please indicate on all remittances and send to: **P.O. BOX 21 TULSA, OKLAHOMA 74102**

SERVICE ORDER RECEIPT

DATE <u>DEC. 16, 1975</u>	CUSTOMER ORDER NO. <u>VERBAL</u>	SHIPPED VIA <u>DOWELL UNITS</u>	SERVICE FROM DOWELL DISTRICT <u>BECKLEY</u>	OUTPOST <u>47</u>
------------------------------	-------------------------------------	------------------------------------	------------------------------------------------	----------------------

WELL NAME AND NUMBER <u>FEDERAL COAL Co. # 21</u>	LOCATION AND POOL <u>TWENTY MILE CREEK</u>
COUNTY, CITY (IF WITHIN CITY LIMITS) & STATE <u>NICHOLAS, W. VA.</u>	TYPE OF SERVICE <u>CEMENT 8 7/8" CASING</u>
CUSTOMER'S NAME <u>TEXAS INTERNATIONAL PETROLEUM CORP.</u>	<p style="text-align: right; font-size: 2em; font-weight: bold;">386</p>
ADDRESS <u>706 COMMERCE SQUARE</u>	
CITY, STATE & ZIP CODE <u>CHARLESTON, W. VA.</u>	

SERVICE ORDER
 IMPORTANT: SEE OTHER SIDE FOR TERMS & CONDITIONS
 I have read, understood and agreed to the terms & conditions printed on the reverse side hereof and represent that I have full authority to accept same and sign this order.
 CUSTOMER BY Sally Watson AUTHORIZED AGENT

SERVICE INSTRUCTIONS:

ITEM NO.	QUANTITY	UNIT	Material, Equipment and Services Used	Unit Price	AMOUNT
59700-001	45	mi.	PUMPER MILEAGE	1.10	49.50
48000-006	1	EA.	CEMENT PUMPER TO 257'	275.00	275.00
48501-001	1	EA.	8 7/8" WOODEN BODY PLUG	22.50	22.50
49100-000	70	%	SERVICE CHARGE	.55	38.50
49102-000	142	1/4 mi	HAULING CHARGE 45 mi. 6300*	.36	51.12
00423-001	70	%	RFC CEMENT	4.98	348.60

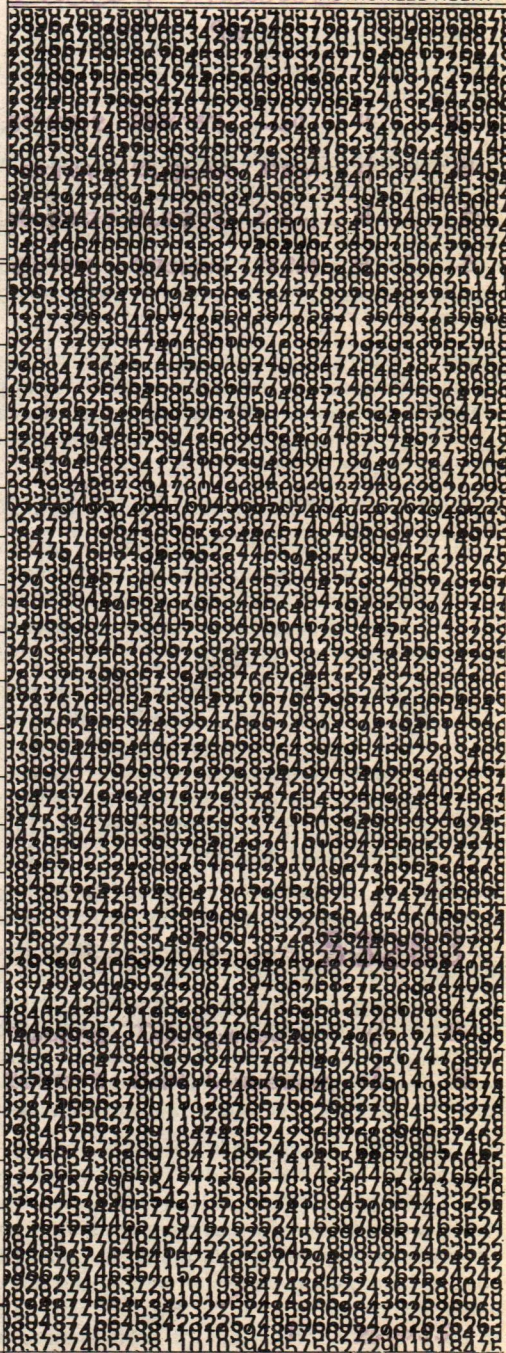
THIS IS NOT AN INVOICE

RECEIVED

FEB - 5 1976

OIL & GAS DIVISION
DEPT. OF MINES

SUB TOTAL					785.22
Gallons License Fee					
Gallons License Fee					
Tax on \$				510.22	
Tax on \$				275.00	
TOTAL				\$	785.22



DOWELL REPRESENTATIVE D. J. Watson PAYROLL INIT. NIC-386
 RECEIPT: THE UNDERSIGNED HEREBY CERTIFIES THAT THE MATERIALS AND EQUIPMENT LISTED ABOVE WERE RECEIVED AND THE SERVICES WERE PERFORMED IN A WORKMANLIKE MANNER.
 CUSTOMER BY Sally Watson AUTHORIZED AGENT **11/17/2023**

THANK YOU!

TERMS AND CONDITIONS

In consideration of the prices to be charged as set forth in Dowell's Published Price Schedule and the performance of services and supplying of materials, customer agrees to the following terms and conditions:

1. **TERMS.** Cash in advance unless satisfactory credit is established; on credit sales to pay total net billing price at Dowell's office, Tulsa, Oklahoma by the end of the month following the month of treatment or sale. On past-due accounts, to pay interest thereon at the prime (New York) rate (in effect at time account becomes past due) plus one percent (1%). In the event it is necessary to employ an attorney to enforce collection of such account, customer agrees to pay all collection costs and attorney's fees in the amount of 20% of said account.

2. **TAXES.** Any tax based on or measured by the charge for sale or rental of products or rendering of service shall be added to the price stated in Dowell's price schedule.

3. **PRODUCT SALES & RENTALS - WARRANTY.** Dowell warrants only that products (including tools, supplies and materials) furnished shall conform to the quality and specification represented and that Dowell can convey good title; DOWELL MAKES NO WARRANTY OF MERCHANTABILITY, OR THAT SAID PRODUCTS SHALL BE FIT FOR ANY PARTICULAR PURPOSE, NOR IS THERE ANY OTHER WARRANTY EXPRESSED OR IMPLIED EXCEPT AS EXPRESSLY STATED HEREIN.

Dowell's liability and customer's exclusive remedy for any cause of action arising out of a product sale or rental pursuant hereto is expressly limited at Dowell's option to (a) replacement of such product upon its return to Dowell, or (b) allowance to customer of credit for the cost of such product.

4. **DOWN-HOLE TOOLS, EQUIPMENT & INSTRUMENTS.**

a. If tools, equipment or instruments of Dowell are lost in a well, customer agrees to make a reasonable effort at customer's risk and expense to recover same; and, if unable to recover, to pay Dowell for same unless such loss or damage was caused solely by Dowell's negligence.

b. Unless caused by Dowell's willful misconduct or failure to exercise good faith, Dowell shall not be liable for and customer shall secure Dowell against any liability for damage to property of customer (and well owner if different from customer) resulting, directly or indirectly, from tools, equipment or instruments of Dowell being lost in a well, including any liability based in whole or in part on The Negligence of Dowell.

5. **DOWELL SERVICES.** In rendering any service ordered by the customer, Dowell shall be an independent contractor with the understanding, however, that customer has complete custody and control of the well, the conditions created in the well, the drilling equipment, well premises and access routes from highways to well locations. Customer will give Dowell reasonable notice for each service ordered and, if requested, will furnish Dowell with written order for the same. Customer will have the well in readiness for the service and, following service, will return well to production.

A reasonable attempt will be made to get from the highway to the location and back under Dowell's own power. If caterpillar or other towing equipment is required, same will be provided by customer at his expense. If customer does not provide towing equipment, when necessary, Dowell will obtain same and bill customer at actual cost. In interpreting well information and making recommendations, either written or oral, as to type or amount of material or service to be furnished, or manner of performance, or in predicting results to be obtained therefrom, Dowell will give customer the benefit of its best judgment based on its experience in the field. Nevertheless, all such recommendations or predictions are opinions only; and, in view of the impracticability of obtaining first-hand knowledge of the many variable well conditions and the necessity of relying on facts and sup-

porting services furnished by others. NO WARRANTY IS GIVEN CONCERNING THE EFFECTIVENESS OF THE MATERIALS USED, RECOMMENDATIONS GIVEN, OR THE SERVICES RENDERED.

6. **CUSTOMER'S RESPONSIBILITY & INDEMNITIES.**

a. Unless caused by Dowell's willful misconduct or failure to exercise good faith, customer agrees to be fully responsible for and secure Dowell against:

(i) Liability for damage to property of customer (and well owner if different from customer), this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage, including any liability based in whole or in part on The Negligence of Dowell.

(ii) Liability for reservoir loss or damage, or any property damage (including but not limited to damages caused by pollution or contamination,) or personal injuries resulting directly or indirectly from subsurface pressure, well blowout or cratering, or losing control of the well, including any liability based in whole or in part on The Negligence of Dowell.

(iii) Liability for any damages whatever, resulting directly or indirectly from a subsurface trespass, pollution or contamination arising out of any servicing operation performed by Dowell for customer, including any liability based in whole or in part on The Negligence of Dowell.

(iv) Liability for injury to persons (including death) or damage to property, other than employees and property of Dowell, growing out of or in any way connected with the use of materials in the well which are radioactive, poison, toxic or otherwise hazardous, including any liability based in whole or in part on The Negligence of Dowell.

b. Customer agrees that it occupies an equal bargaining position with Dowell and that the contractual liability assumed hereunder by customer is reasonable and equitable based on the nature of the services to be performed by Dowell.

7. **OFFSHORE EQUIPMENT & MARINE OPERATIONS.** In addition to the foregoing terms and conditions, which are applicable to offshore marine operations as well as land operations, customer agrees to insure against loss and assumes full responsibility for damage to equipment furnished by Dowell, including truck or skid-mounted pumps, mixers, compressors and auxiliary equipment from time of delivery to customer at landing until returned to landing when transported on craft, or located on platforms not owned or leased by Dowell.

Customer shall furnish water transportation for crew changes.

8. **PRICE CHANGES.** All prices appearing in said Price Schedule are subject to change without notice.

Prices in this schedule apply to regular and usual jobs and operations. Special jobs, under unusual conditions, will be subject to special price quotations to reflect increased or reduced costs.

9. The term "Dowell" as used herein is a trade name of The Dow Chemical Company; and, where used throughout this agreement, shall be construed to mean The Dow Chemical Company and its Dowell Division.

10. The term "well" as used herein shall also be construed to include and mean a "mine" or other property being serviced where the work to be performed involves Dowell mining services.

11. This contract shall be construed in accordance with the laws of the State of Texas.

WELL NO. AND FARM 21 Federal Coal	COUNTY Nicholas	STATE WVa	DATE 12-20-75
CHARGE TO Petroleum Texas International Corporation	OWNER SAME	DUNCAN USE ONLY	
ADDRESS 706 Commerce Square Charleston, WVa.	CONTRACTOR Union Drilling Company Inc	LOCATION 1 Federal WVa	CODE 10825
CITY, STATE, ZIP Charleston, WVa. 882158	SHIPPED VIA SAME	LOCATION 2	CODE
TEXAS INTERNATIONAL PET. CORP. 706 COMMERCE SQUARE CHARLESTON, W.V. 25306	DELIVERED TO SAME	LOCATION 3	CODE
	ORDER NO. 2	BULK MATERIAL DELIVERY TICKET NO. B-455031	
	TOTAL ACID-30 DAYS	WELL TYPE Gas Development	CODE GD
TYPE AND PURPOSE OF JOB Get Hole and Cement 4 1/2" Prod. String			
TERMS: NET DUE BY THE 20TH OF FOLLOWING MONTH. INTEREST CHARGED AFTER 60 DAYS FROM DATE OF INVOICE.			

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
000-117				Pump Trk Mileage	50	mi			1.10	55.00
011-205				Miss. Pump Charge	300	PSF	4	HRS	365.00	365.00
001-016				Pumping Charge on Cont. Job	247	ft			620.00	620.00
01-018				Additional Hours	4				220.00 @ 4 HR	880.00
04-043				Standard Bulk Cement	75	SK			2.66	199.50
06-105				Pozmix "A"	75	SK			1.33	99.75
06-121				Halliburton Gel 2% Allowed	3	SK			N.C.	N.C.
09-968				Salt Blended 10%	9	SK			3.65	25.55
09-554				Halliburton Gel Not Blended	4	SK			3.70	148.00
00-884				Delivery on Gel	2	HRS			20.00	40.00
030-015				Top 5-W Plug 4 1/2"	1	EA			12.90	12.90
09-406				Calcium Chloride Not Blended	3	SK			8.20	24.60
				SERVICE CHARGE ON MATERIALS RETURNED		CU. FT.				
000-207				SERVICE CHARGE	160	CU. FT.			.55	88.00
000-306				13571 TOTAL WEIGHT	50	LOADED MILES	339.28	TON MILES	.35	118.75

TAX REFERENCES		SUB TOTAL	2677.05
		NO TAX	
		TAX	
		TAX	
		TOTAL	2677.05

WAS JOB SATISFACTORILY COMPLETED?
 WAS OPERATION OF EQUIPMENT SATISFACTORY?
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY?

X Dennis Halloran Customer of His Agent M.L. Sullivan Halliburton Operator

Date 1/13/76 App. JMB(h)

Lease Fed Coal Well # 21 DATE AFE # V-048
 TIME 4-02

FEB - 5 1976
 OIL & GAS DEPT. OF MIN. 11/17/2023

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

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OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. WV-386

Oil or Gas Well Gas
(KIND)

Company <u>Texas International Pet. Corp</u> Address <u>706 Comm Sq. Charleston, W. Va</u> Farm <u>Federal Coal Co</u> Well No. <u>21</u> District <u>Jefferson</u> County <u>Nicholas</u> Drilling commenced <u>12-15-75</u> 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:
Re-gaining upon location

12-15-75
DATE

Martin B. Nichols
DISTRICT WELL INSPECTOR

11/17/2023



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

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OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle CLAY
Permit No. NIC-386

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

Company <u>Texas International Petroleum Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>706 Comm. Sq., Charleston, W. Va.</u>				
Farm <u>Federal Coal Company</u> Acres <u>7200.</u>	Size			
Location (waters) <u>Twenty Mile Creek</u>	20-16			
Well No. <u>21</u> Elev. <u>1397.41</u>	Cond.			
District <u>Jefferson</u> County <u>Nicholas</u>	13-10"	10'	10'	
The surface of tract is owned in fee by _____	9 5/8			
<u>Federal Company</u>	8 5/8	284'	284'	Cemented w/60 sacks.
Address <u>Union Bldg., Charleston, W. Va.</u>	7			
Mineral rights are owned by <u>Same as above.</u>	5 1/2			
Address <u>Same as above.</u>	4 1/2		2,471'	Cemented w/150 sacks.
Drilling Commenced <u>December 16, 1975</u>	3			
Drilling Completed <u>December 19, 1975</u>	2			
Initial open flow <u>133 M.</u> cu. ft. _____ bbls.	Liners Used			
Final production _____ cu. ft. per day _____ bbls.				
Well open <u>24</u> hrs. before test <u>575</u> RP.				

Well treatment details:

Attach copy of cementing record.

Perforated @ 2384-92; 2396-2406'. Acid frac. Breakdown w/500 gal. acid, 2100#. Pump 800 bbls. gelled water @ 1558# @ 31 bbls. per min. 44,000# 20/40 sand, 1500 gal. acid.

Coal was encountered at 90, 145 Feet 36, 30 Inches
Fresh water 90 Feet Salt Water 940 Feet
Producing Sand Big Lime Depth 2384-2406

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	3		
Shale			3	90		
Coal			90	93		
Shale			93	145		
Coal			145	148		
Shale & Broken Sand			148	980		
Sand			980	1165		
Shale			1165	1236		
Salt Sand			1236	1537		
Shale			1537	1687		
Maxton Sand			1687	1846		
Shale			1687	2047		
Maxton Sand			2047	2070		
Shale			2070	2085		
Little Lime			2085	2131		
Shale			2131	2183		
Big Lime			2183	2410		
Shale			2410	2508	T.D.	

11/17/2023

(over)

* Indicates Electric Log tops in the remarks section.

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

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

Permit No. WIC-386

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Sigas International</u>	Size			
<u>Mrs. W.C.A.</u>	16			Kind of Packer _____
<u>Federal Coal</u>	13			
<u>21</u>	10			Size of _____
<u>Jefferson</u> County <u>Nicholas</u>	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks:

Cannot Release
Well not in Production
No F.D. Log.

C.C. Jim Blanton

3-4-76
DATE

Paul Thomas
DISTRICT WELL INSPECTOR

11/17/2023

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
Oil or Gas Well _____
(KIND)

Permit No. MC-386

Company Seap International
 Address Chas. W. Co.
 Farm Federal Coal
 Well No. 21
 District Jefferson County Nicholas
 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			
13			Size of
10			
8 1/4			Depth set
6 5/8			
5 3/16			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			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 _____

Cannot Release

Remarks: _____

*Coal not in production
Reclamation & I. D. Completed now
C.C. Jim Blanton*

5-29-76
DATE

[Signature]
11/17/2023
DISTRICT WELL INSPECTOR



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NOV 21 1984

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

July 27, 1984

COMPANY Texas Int. Petroleum Corp.

PERMIT NO 067-0386

6525 N. Meridian

FARM & WELL NO Federal Coal Co. #21

Oklahoma City, Oklahoma 73116

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 11/16/84

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. ...

Administrator-Oil & Gas Division

January 9, 1985

DATE

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	47-067-0386			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	108 Section of NGPA	Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Texas International Petrol. Corp. Name 3535 NW 58th Ste 300 Street		018753 Seller Code	
	Oklahoma City, City	OK State	73112 Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Jefferson Field Name Nicholas County			
(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.)	Federal Coal #21			
(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.)	Cabot Corporation Name		Buyer Code	
(b) Date of the contract:	11 21 87 Mo. Day Yr.			
(c) Estimated annual production:	13.7 MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	3.149	_____	0.346	3.495
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	3.149	_____	0.346	3.495
9.0 Person responsible for this application:	Roy A. Cutsinger Name Mgr. Gas Contracts Title			
Agency Use Only Date Received by Juris. Agency NOV 30 1981 Date Received by FERC	Roy A. Cutsinger Signature		405-947-8682 Phone Number	
	11-11-81 Date Application is Completed			

11/17/2023

PARTICIPANTS:

DATE: APR 19 1982

BUYER-SELLER CODE

WELL OPERATOR: Texas International Petrol Corp.

018753

FIRST PURCHASER: Cabot Corporation

002733

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
811130 -108-067-0386
 Use Above File Number on all Communications
 Relating to Determination of this Well

Armed. Sr
Qualifies 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 b
 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 1 years
 8. IV-40 90 day Production 92 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: 12-16-75 Date completed 12-19-75 Deepened _____
 - (5) Production Depth: 2384-2406
 - (5) Production Formation: Big lime
 - (5) Final Open Flow: 133 MCF
 - (5) After Frac. R. P. 575# 24 hrs.
 - (6) Other Gas Test: _____
 - (7) Avg. Daily Gas from Annual Production: $\frac{12025}{365} = 32.9$ mcf no oil
 - (8) Avg. Daily Gas from 90-day ending w/1-120 days $\frac{1999}{92} = 21.7$ mcf no oil
 - (8) Line Pressure: NA PSIG from Daily Rep _____
 - (5) Oil Production: _____ From Completion Report _____
 - 0-17. Does lease inventory indicate enhanced recovery being done NO
 - 0-17. Is affidavit signed? Notarized? 11/17/2023
 - Does official well record with the Department confirm the submitted information? yes
 - Additional information _____ Does computer program confirm? _____
 - As Determination Objected to _____ By Whom? _____

5

Date 11-11
Operator's Well No. Federal Coal #2
API Well No. 47 - 067 - 0386
State County Per
Previous File No. (If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Tex. Int'l. Petrol. Corp.
ADDRESS 3535 NW 58th Ste 300
Oklahoma City, OK 73112

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

Gas Purchase Contract No. 4211 and Date 12 18 79
(Month, day and year)

Meter Charq Code P4742

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:

- (1) Initial determination (See FERC Form 121.) 108 Section of NGPA Category Code _____
- (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 Ste 300
Street or P. O. Box

Oklahoma City OK 73112
City State (Zip Code)

405 947-8682
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

Sent to Cabot Corporation 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). 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

NOV 30 1981

Date received by _____
Jurisdictional Agency

Director
By J. P. Murray
Title _____

11/17/2023

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

Date 11-11 1981
Operator's Well No Federal Coal #21
API Well No 47 - 067 - 0386
State County Permit

WELL CLASSIFICATION FORM

STRIPPER GAS WELL

NGPA Section 108

DESIGNATED AGENT James M. Blanton

ADDRESS Ste 740, One Valley Square
Charleston, WV 25301

WELL OPERATOR Tex. Int'l Petrol. Corp.

ADDRESS 3535 NW 58th Ste 300
Oklahoma City, OK 73112

GAS PURCHASER Cabot Corporation

ADDRESS P.O. Box 1473
Charleston, WV 25325

LOCATION Elevation 1397.41

Watershed Twenty Mile Creek

Dist Jefferson County Nicholas Quad Clay

Gas Purchase Contract No. 4211

Meter Chart Code P4742

Date of Contract 12-18-79

* * * * *

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

N/A

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

The records examined consisted of Gas Purchase Statements from Cabot Corporation for the period September, 1980 through August, 1981; and TIPCO's monthly production reports for the same period of time. These records are on file in our Oklahoma City office. The additional month of production will be supplied to you when available.

11/17/2023

Describe the search made of any records listed above:

The above records were reviewed for total production and shut in time. Search indicated that the subject well is gang metered.

The production was divided proportionally among the wells as no other information was available to determine individual production.

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

AFFIDAVIT

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

Roy A. Cutsinger
Roy A. Cutsinger
Manager Gas Contracts

STATE OF OKLAHOMA,

COUNTY OF OKLAHOMA, TO WIT:

I, Marsha E. 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 18 day of November, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 18 day of November, 1981.

My term of office expires on the 27 day of August, 1985.

Marsha E. Magill
Notary Public

11/17/2023

[NOTARIAL SEAL]

API	FARM	COUNTY	AVG. FLOW PRESSURE	SHUT-IN PRESSURE	TOTALS										
GAS MFC	3998	248	1265	237	204	257	421	789	636	499	524	1057	3522	1639	18025
OIL BBL	J-0	F-0	M-0	A-0	J-0	J-0	A-0	S-0	0-0	N-0	D-0	OIL			
DAYS ONLINE	31	28	31	30	31	30	31	30	31	80	81	81	81	81	81

11/17/2006

1/2007

5 32.9

1493
92 = 21.7m

WELL NAME Federal Coal #21
API NUMBER 47-067-0386
METER NUMBER P4742

SUMMARIZATION SCHEDULE
Section 271, 804 (b)

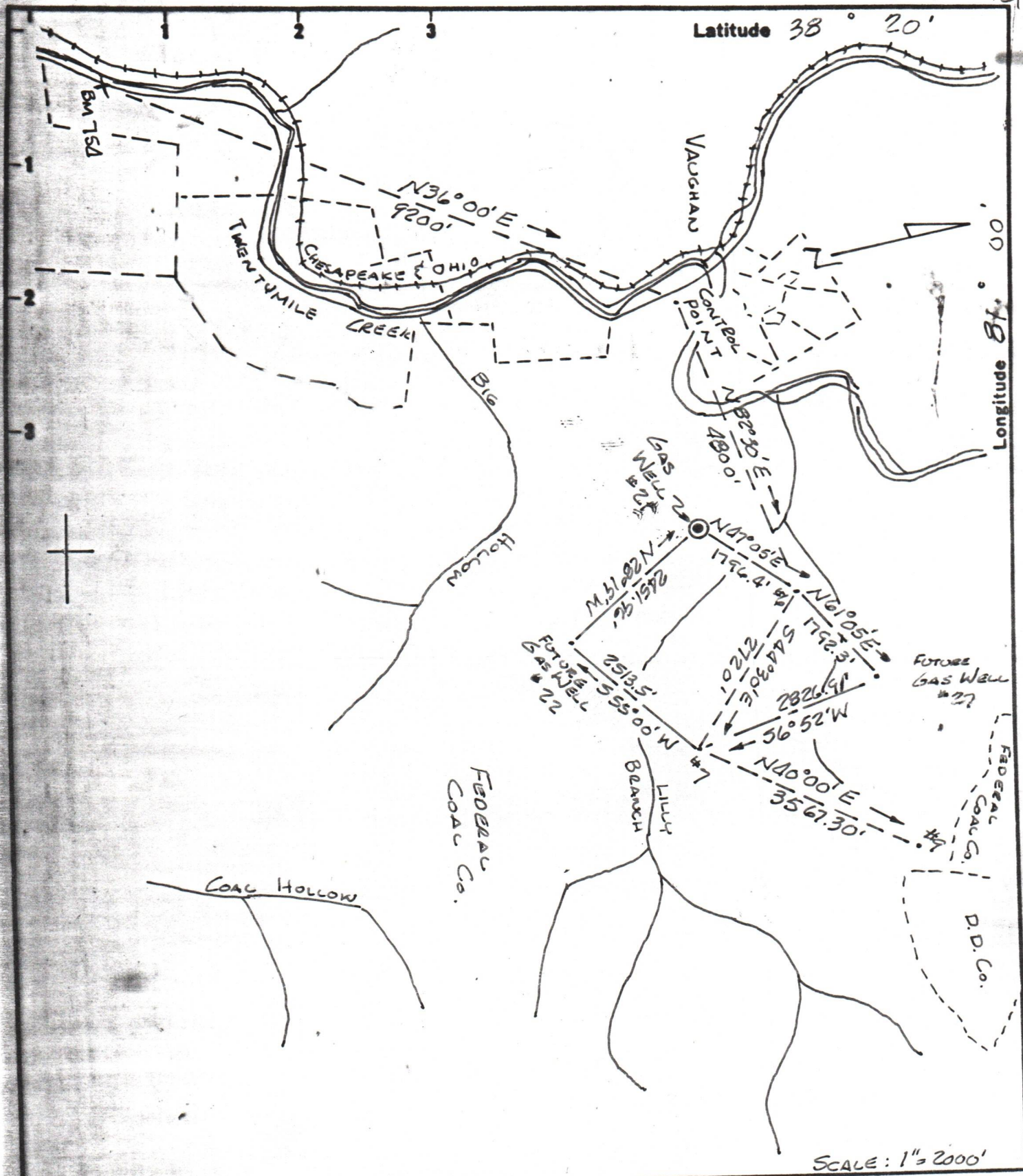
In accordance with Section 271, 804(b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart H.

API NUMBERS

See Attached List

A

12, 12, 75



SCALE: 1" = 2000'

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure _____
 Source of Elevation B.M. 754

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company TEXAS INTERNATIONAL PETROLEUM CORP.
 Address 706 COMMERCE SQUARE, CHAR.
 Farm FEDERAL COAL Co.
 Tract _____ Acres 7200 Lease No. _____
 Well (Farm) No. #21 Serial No. _____
 Elevation (Spirit Level) 1397.41
 Quadrangle CLAY
 County NICHOLAS District JEFFERSON
 Engineer Arthur R. Bank
 Engineer's Registration No. 1530
 File No. S-3097 Drawing No. 23
 Date 12-5-75 Scale 1"=2000'

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

WELL LOCATION MAP
 FILE NO. NIC-386

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing. 47-067

11/17/2023

500' Big Injun

386

Feb. 9, 1976

Texas International
706 Cypress Square
Chickston, W. Va.
Attn: Mr. James Blanton

RECEIVED
FEB 11 1976

Dear Mr. Blanton
The following list of wells are
under violation posted Sept. 15, 1976.

County	Permit No.	Farm Name	District	Well No.
Nic	376	George Kennan	Grant	1
Nic	377	" "	" "	2
Nic	381	Chas. Williams	" "	1-CC-20
Nic	382	David Brown	" "	1
Nic	385	Hestle Schoolcraft	" "	1-CC-18
Nic	386	Federal Coal Co.	Jefferson	21
Nic	387	Federal Coal Co.	Jefferson	22

Sincerely yours
Paul R. Thomas 046. Insp.
P.O. Box 337
Seymourville, W. Va. 26651

C.C. Robert Podd
Deputy Director
Oil & Gas Division

11/17/2023



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 11 1975

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 December 10, 1975

Surface Owner Federal Coal Company

Company Texas International Petroleum Cor

Address Union Bldg., Charleston, W.Va.

Address 706 Comm.Sq., Charleston, W. Va.

Mineral Owner Same as above.

Farm Federal Coal Co. Acres 7,200

Address Same as above.

Location (waters) Twenty Mile Creek

Coal Owner Same as above.

Well No. #21 Elevation 1397.41

Address Same as above.

District Jefferson County Nicholas

Coal Operator Same as above.

Quadrangle Clay

Address _____

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 4-11-76.

Robert H. [Signature]

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Martin Nichols
PH: 548-6993 ADDRESS Clendenin, W. Va.

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 23, 1965 by Federal Coal Co. made to (Platco Corp.) TIPCO and recorded on the 23rd day of July 1965 in Nicholas County, Book 135 Page 291

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.

Very truly yours, Texas International Petroleum
(Sign Name) Jim Blanton
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey Address
P. O. Box 979 of
Morgantown, W. Va. 26505 Well Operator

AC 304-296-4461

706 Commerce Square
Street
Charleston
City or Town
West Virginia 25301
State

11/17/2023

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.

Nic-386 PERMIT NUMBER
47-067

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Union Drilling, Inc. NAME James M. Blanton
 ADDRESS Buckhannon, West Virginia ADDRESS 706 Comm.Sq., Charleston, W.Va.
 TELEPHONE (304) 472-4610 TELEPHONE (304) 343-4609
 ESTIMATED DEPTH OF COMPLETED WELL: 2500 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL _____ GAS X 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	20'	20'	
9 - 5/8			
8 - 5/8	300'	300'	Cement to surface.
7			
5 1/2			
4 1/2		2500'	Cement with 100 sacks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 230 _____, _____
 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 FEDERAL Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the FEDERAL 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. 11/17/2023

Stephen M. Manner
 For Coal Company
Vice President
 Official Title