



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

SEP 22 1980

Oil and Gas Division OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE September 18, 1980
Company Texas International Petroleum
Address Charleston, W.Va.
Farm Federal Coal Co. Acres 8405.4
Location (waters) Twenty Mile Creek
Well No. 37 Elevation 1667.02
District Jefferson County Nicholas
Quadrangle Benfree 7.5

Surface Owner Federal Coal Company
Address Charleston, W.Va.
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator Black Lode Coal Co.
Address 2600 Mission Street, San Marino, CA

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 6-6-81.

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

J. S. Huggins
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 23 19 80 by Federal Coal Co. made to Texas International Petroleum recorded on the 23 day of July 19 80 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, *Robert L. Ladd*
(Sign Name) Texas International Petroleum
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

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
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

47-067-0558

PERMIT NUMBER

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 Applachain Drilling Co. NAME Jim Blanton
 ADDRESS Charleston, W.Va. ADDRESS Charleston, W.Va.
 TELEPHONE 755-8857 TELEPHONE 345-3430
 ESTIMATED DEPTH OF COMPLETED WELL: 2450 ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Keener-Big 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 1/2 113/4"	40	40	To Surface
9 - 5/8			
8 - 5/8	1000	1000	To Surface
7			
5 1/2			
4 1/2		2450	As Needed
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 320 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 360 - 365
 IS COAL BEING MINED IN THE AREA? Yes BY WHOM? Black Lode Coal Co.

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 _____ Coal Company, Owner or Operator 09/29/2023 under this lease have examined and place on our mine maps this proposed well location.

We the _____ 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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAY 29 1981

Oil and Gas Division
OIL & GAS DIVISION
DEPT. OF MINES
OIL AND GAS WELL PERMIT APPLICATION

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

DATE May 26, 1981
Company Texas International Petroleum
Address Charleston, W. Va.
Farm Federal Coal Co. Acres 8405.4
Location (waters) Twenty Mile Creek
Well No. 37 Elevation 1667.02
District Jefferson County Nicholas
Quadrangle Bentree 7.5

Surface Owner Federal Coal Company
Address Charleston, W. Va.
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator Black Lode Coal Co.
Address 2600 Mission Street, San Marino, CA

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 Renewed. This permit shall expire if operations have not commenced by 1-29-82.

Fred B. Smith
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Deo Mace
ADDRESS Sand Ridge, W.Va. 25274
PHONE 927-1090 or 655-8693

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 19 80 by Federal Coal Co. made to Texas International Petroleum recorded on the 23 day of July 19 80 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.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

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

Very truly yours, *F. L. Ladd*
(Sign Name) Texas International Petroleum
Well Operator
Suite 740, One Valley Square
Street
Charleston
City or Town
West Virginia
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

47-067-0558-REN.

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."

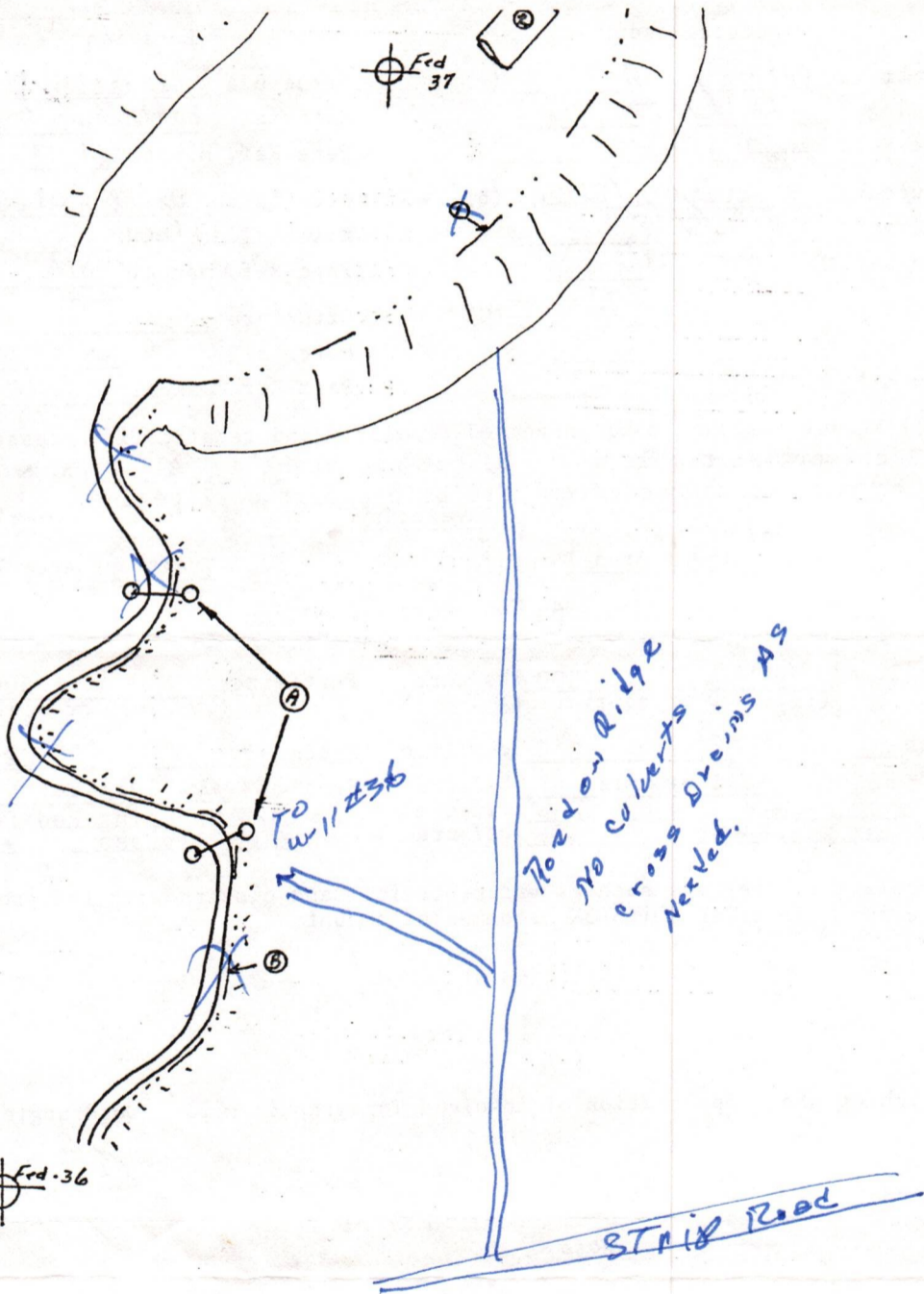
Fred B. Smith

Well Site Plan

Legend: Property Boundry Road Existing Fence Planned Fence Stream Open Ditch

Diversion Spring Wet Spot Building Drain Pipe Waterway

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



RECEIVED
OCT - 7 1984
OIL & GAS DIVISION
DEPT. OF MINES

Comments: The road leaves Federal #36 in a northern direction following
the contour of the hill, culverts will be installed in the two hollows,
all timber and brush will be removed before construction. Upon completion
reclamation, grading, seeding and mulching will be done within a 09/29/2023
time. 3 mo. after completion.
well 37 is on top of point No cut to be made. Road will
Follow Ridge. water bar will be installed as indicated -
Road changed while looking over site with Mr. Dick
Curby

Please request landowners cooperation to protect new seeding for one growing season.

Date September 18 1980
Well No. Federal #37
API No. 47 - 067 - 0558
State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name Texas International Petroleum Designated Agent Jim Blanton
Address Charleston, W.Va. Address Charleston, W.Va.
Telephone 345-3430 Telephone 345-3430
Landowner Federal Coal Co. Soil Cons. District Elk SCD
Revegetation to be carried out by Bill Rice, Foreman (Agent)
This plan has been reviewed by ELK SCD. All corrections and additions become a part of this plan. 9-29-80 (Date) James Blanton (SCD Agent)

Access Road	Location
Structure <u>Culverts</u> (A) Spacing <u>As Needed</u> Page Ref. Manual <u>1:08</u>	Structure <u>Diversion Ditch</u> (1) Material <u>Earthen</u> Page Ref. Manual <u>1:14</u>
Structure <u>Diversion Ditch</u> (B) Spacing <u>Road Side</u> Page Ref. Manual <u>1:14</u>	Structure <u>Drilling Pit</u> (2) Material <u>Lined</u> Page Ref. Manual <u>N/A</u>
Structure _____ (C) Spacing _____ Page Ref. Manual _____	Structure _____ Material _____ Page Ref. Manual _____

RECEIVED
OCT - 3 1980
OIL & GAS DIVISION
DEPT. OF MINES

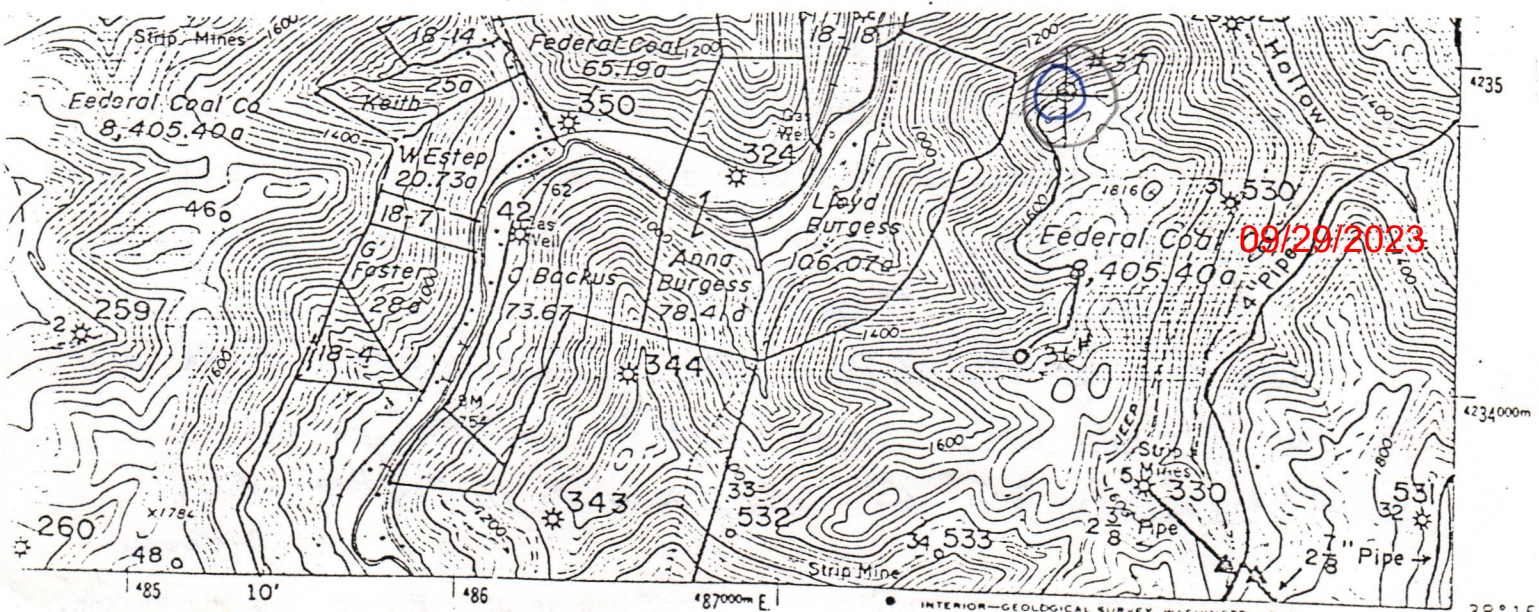
All structures should be inspected regularly and repaired if necessary.
All commercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work begins.
Revegetation

Treatment Area I	Treatment Area II
Lime <u>4 - 6</u> Tons/acre or correct to pH <u>6.5</u>	Lime <u>4 - 6</u> Tons/Acre or correct to pH <u>6.5</u>
Fertilizer <u>500</u> lbs/acre (10-20-20 or equivalent)	Fertilizer <u>500</u> lbs/acre (10-20-20 or equivalent)
Mulch <u>2</u> Tons/Acre	Mulch <u>2</u> Tons/Acre
Seed* <u>38% Ky. Tall Fescue</u> lbs/acre <u>32% Creeping Red Fescue</u> lbs/acre <u>30% Ryegrass</u> lbs/acre	Seed* <u>38% Ky. Tall Fescue</u> lbs/acre <u>32% Creeping Red Fescue</u> lbs/acre <u>30% Ryegrass</u> lbs/acre

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

Attach or photocopy section of involved Topographic map. Quadrangle Bentley 7.5

Legend:  Well Site
 Access Road





RECEIVED

OCT 6 - 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 Bentree 7.5'
Permit No. 47-067-0558 REN

Company Texas International Petroleum Corp.
Address Suite 740, One Valley Square, Chas., WVA
Farm Federal Coal Co. Acres 8405.4
Location (waters) Twne Mile Creek
Well No. #37 Elev. 1667.02
District Jefferson County Nicholas
The surface of tract is owned in fee by Federal Coal Company
Address Charleston, West Virginia
Mineral rights are owned by Same
Address _____
Drilling Commenced 9/14/81
Drilling Completed 9/22/81
Initial open flow N/A cu. ft. _____ bbls.
Final production 169M cu. ft. per day _____ bbls.
Well open 4 hrs. before test 420 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 11-3/4	32'	32'	
9 5/8			
8 5/8	1043'	1043'	Cemented w/295 sx cement
7			
5 1/2			
4 1/2	2764'	2764'	Cemented w/200 sx reg neat
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated @ 2683'-2699' w/1 SPF. Total shots 15. Spotted 500 gal 15% HCl. Broke down w/600 PSI. Fraced w/60M# 20/40 sand. Total bbls-585. Highest sand concentration-4 PPG. AIR-20 BPM. AIP-1960 PSI. H.P.-961. ISIP-600 PSI. 5 min-550 PSI and 15 min-550 PSI.
Other additives: Clay-sta-3 gal, WG11-750#, WAC10-350#, GBW3-25#, Penn-5- 25 gal, Losurf 13 gal, HLX287-300#, HLX-286-100#, K-34-100#, Potassium Chloride-2200# and 187MSCFN₂.

Coal was encountered at None reported Feet _____ Inches _____
Fresh water 516' Feet _____ Salt Water 1630' Feet _____
Producing Sand Big Lime Depth 2683'-2699'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill	Yellow	Soft	0	3		
Sand	White	Hard	3	23		
Sand & Shale	Gray	Medium	23	26		
Sand	White	Hard	26	98		
Shale	Black	Soft	98	159		
Sahle	Black	Soft	159	162		
Sand & Shale	White	Medium	162	436		
Sand	White	Medium	436	453		
Sand & Shale	Gray	Soft	453	475		
Sand & Shale	White	Medium	475	500		
Shale	Gray	Soft	500	710	H ₂ O @ 516'-1/4"	
Sand	Gray	Medium	710	854		
Shale	Gray	Soft	854	1195		
Sand & Shale	Gray	Medium	1195	1625		
Sand	White	Medium	1625	1730	H ₂ O @ 1630'-1" to 2"	
Sand & Shale	White	Medium	1730	2015		
Ravencliff	White	Medium	2015	2060		
Maxton	White	Medium	2060	2370		
Lime	White	Meidum	2370	2660		
Keener	White	Medium	2660	2680		
Sand & Shale	Gray	Soft	2680	2812	TD 7-5/8" hole	

09/29/2023

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks

09/29/2023

Date October 05 19 81

APPROVED

Robert L. Dodd

Owner

Robert L. Dodd
Operations Manager-Engineering

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

INSPECTOR'S WELL REPORT

Permit No. 67-658

Oil or Gas Well _____
(KIND)

Company <u>Tisco</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Federal Coal</u>	16			Kind of Packer _____
Well No. <u>37</u>	13			
District <u>Jefferson</u> County <u>Nicholas</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 <u>85%</u> SIZE <u>1032</u> No. FT. <u>9/17/81</u> Date			
Fresh water <u>1/4"</u> at <u>316</u> feet	NAME OF SERVICE COMPANY <u>Halliburton</u>			
Salt water _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: circulated

RECEIVED

SEP 23 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

9/17/81
DATE

Don Moore 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			BRIDGER	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

558

INSPECTOR'S WELL REPORT

Permit No. 67-558

Oil or Gas Well _____
(KIND)

Company Hipco
 Address _____
 Farm Federal Coal
 Well No. 37
 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			
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: T.O. 2845'

RECEIVED
RECEIVED
 OIL AND GAS DIVISION
 WY DEPARTMENT OF MINES
 SEP 21 11 11 AM '81

9/23/81
DATE

Deo Mace
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			BRIDGER	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

RECEIVED

JAN 17 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. NIC.-0558-REN.

Oil or Gas Well _____
(KIND)

Company <u>TEXAS INTERNATIONAL PETRO</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>CHARLESTON, W.VA.</u>	Size			
Farm <u>FEDERAL COAL Co.</u>	16			Kind of Packer _____
Well No. <u>37</u>	13			
District <u>JEFFERSON</u> County <u>NICHOLAS</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: PERMIT EXPIRED 1/29/82

1/13/83
DATE

Craig Luckworth 505
09/29/2023
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

09/29/2023

DISTRICT WELL INSPECTOR



RECEIVED
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.

PERMIT NO 067-0558-REN (5-29-81)

6525 N. Meridian

FARM & WELL NO Federal Coal #37

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 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. R. B.
Administrator-Oil & Gas Division

January 17, 1986

DATE

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

JAN 7 1986



Faint, illegible text in the upper middle section of the document.

Main body of the document containing several paragraphs of extremely faint and illegible text.

[Handwritten signature]

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

JAN 7 1986

09/29/2023

RECEIVED
OCT 13 1981
OIL & GAS DIVISION
DEPT. OF MIN.

1.0 API well number: (If not available, leave blank. 14 digits.)	47-067-0558			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	2699 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. Corporation 018753 Name 3535 NW 58th Ste 300 Street Oklahoma City OK 73112 City State Zip Code			
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Twenty Mile Creek Field Name Nicholas WV 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.)	Federal Coal #37			
(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:	1 2 18 7 9 Mo. Day Yr.			
(c) Estimated annual production:	12 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.)	2 5 1 4	0 2 7 7	- . - . - .	2 7 9 1
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2 5 1 4	0 2 7 7	- . - . - .	2 7 9 1
9.0 Person responsible for this application:	Roy A. Cutsinger Mgr. Gas Contracts Name Title <i>Roy A. Cutsinger</i> Signature 10-7-81 405-947-8682 Date Application is Completed Phone Number			
Agency Use Only Date Received by Juris. Agency OCT 16 1981 Date Received by FERC				

09/29/2023

DATE: JAN 14 1982

PARTICIPANTS:

WELL OPERATOR: Texas International Petrol Corp.

BUYER-SELLER CODE

018753

FIRST PURCHASER: Cabot Corp.

000728

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
811016 .103.067: 0558
 Use Above File Number on all Communications
 Relating to Determination of this Well

067-0332 = 2540
 067-0529 = 2100
 067-0530 = 2200

Qualifies JS Hurry

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: 9-14-81 Date completed 9-22-81 Deepened
- (5) Production Depth: 2683-99
- (5) Production Formation: Big lime
- (5) Final Open Flow: 169 MCF
- (5) After Frac. R. P. 420# 4 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? Yes
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

09/29/2023

F

Date October 7 198

Operator's Well No. Federal Coal #37

API Well No. 47 - 067 - 0558
State County Permit

Previous File No. (If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Tex. Int'l. Petrol. Corp.

DESIGNATED AGENT James M. Blanton

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

ADDRESS Ste 740, One Valley Square
Charleston, WV 25301

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

Water Chart Code _____

Name of First Purchaser Cabot Corporation
P.O. Box 1473
Charleston WV 25325
(City) (State) (Zip Code)

FERC Seller Code 018753

FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT.

103

- (1) Initial determination (See FERC Form 121.) 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 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

OCT 16 1981

Date received by
Jurisdictional Agency

J. B. [Signature]
By _____
Title _____

09/29/2023

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

Date October 7 1981

Operator's Well No. Federal Coal #37

API Well No. 47 - 067 - 0558
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT James M. Blanton

ADDRESS Suite 740, One Valley Square
Charleston, WV 25301

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

ELEVATION 1667.02

Watershed Twenty Mile Creek

GAS PURCHASER Cabot Corporation
ADDRESS P.O. Box 1473
Charleston, WV 25325

Dist. Jefferson County Nicholas Quad. Bentree 7.5'

Gas Purchase Contract No. 4211

Meter Chart Code

Date of Contract 12-18-79

* * * * *

Date surface drilling was begun 9-14-81

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

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 of Gas Contracts

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 7th day of October, 1981, has acknowledged the same before me, in my county aforesaid.

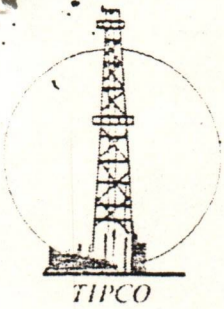
Given under my hand and official seal this 7th day of October, 1981.

My term of office expires on the 27th day of August, 1981.

[NOTARIAL SEAL]

Marsha Magill
Notary Public

09/29/2023



TEXAS INTERNATIONAL PETROLEUM CORPORATION

APPALACHIAN DIVISION

BOTTOM HOLE PRESSURE CALCULATIONS

FEDERAL COAL #37

$$CP = P_w = 420 \text{ PSI}$$

$$g = 0.6066$$

$$l = 2691'$$

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

$$T_{bh} = (1^{\circ}/100') (2691') + 459.7 + 60^{\circ}\text{F} = 546.6^{\circ}\text{R}$$

$$s = .940$$

$$x = \frac{1}{53.34T} \quad \text{where } T = \frac{T_{wh} + T_{bh}}{2} = 533.2^{\circ}\text{R}$$

$$x = 3.516 \times 10^{-5}$$

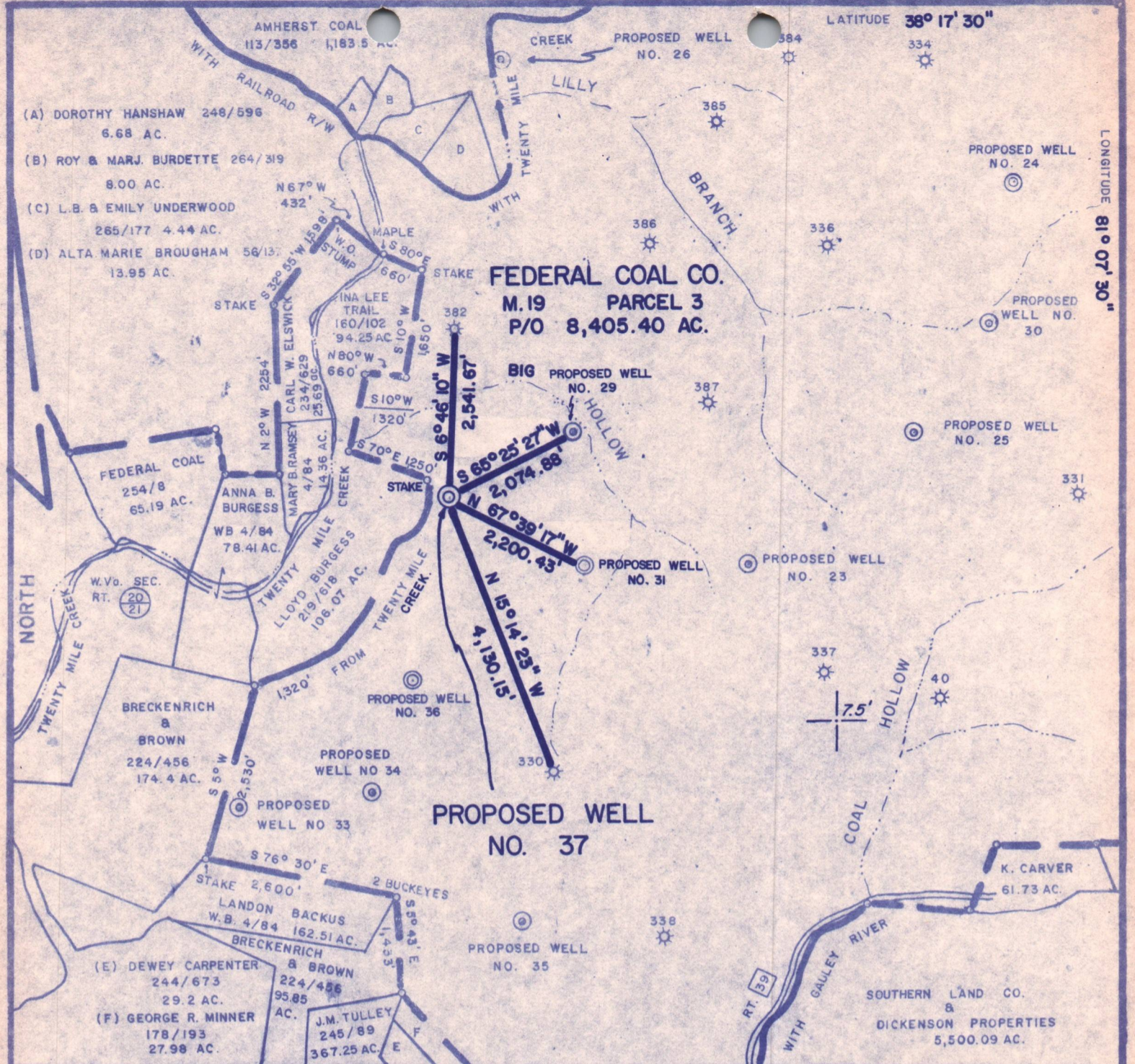
$$P_f = P_w e^{xgl_s} = 443.3 = 443 \text{ PSI}$$

T

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

(304) 345-3430

09/29/2023



FILE NO. 559
 DRAWING NO. 37
 SCALE. 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1" = 200'
 PROVEN SOURCE OF ELEVATION U.S.C. & G.S. B.M. J-14-1934

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) J.D. Brackenrich
 J.D. BRACKENRICH R.R.E 3994



(---) DENOTES LOCATION OF GAS WELL ON UNITED STATES GEOLOGICAL SURVEY MAP, 7.5 MINUTE SERIES. FORM IV-6 8-78 ☼ DENOTES EXISTING WELL

DATE FEBRUARY, 1980
 OPERATORS WELL NO. 37
 API WELL NO. 47 067 0558
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW X)

LOCATION: ELEVATION 1,667.02' WATER SHED TWENTY MILE CREEK
 DISTRICT JEFFERSON COUNTY NICHOLAS
 QUADRANGLE BENTREE (7.5') series

SURFACE OWNER FEDERAL COAL COMPANY ACREAGE 8,405.40
 OIL & GAS ROYALTY OWNER FEDERAL COAL COMPANY LEASE ACREAGE 8,405.40
 LEASE NO. 09/29/2023

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. CORP. DESIGNATED AGENT JAMES M. BLANTON
 ADDRESS SUITE 200 NATIONAL FOUNDATION CENTER ADDRESS SUITE 740 ONE VALLEY SQUARE
3535 N.W. 58TH ST. CHARLESTON, WEST VIRGINIA 25301
OKLAHOMA CITY, OKLAHOMA 73112



[Handwritten signature]

RECEIVED

SEP 22 1980

OIL & GAS DIVISION
DEPT. OF ENERGY

09/29/2023