



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 March 5, 1981

Surface Owner Federal Coal Co.

Company Texas International Petroleum Corp.

Address 704 Union Bldg., Chas., W. Va. 25301

Address 740 One Valley Square, Chas., WVA

Mineral Owner Same

Farm Federal Coal Co. Acres 8405.40

Address _____

Location (waters) Twenty Mile Creek

Coal Owner Same

Well No. #38 Elevation 1739

Address _____

District Jefferson County Nicholas

Coal Operator _____

Quadrangle Lockwood

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 2-2-82

INSPECTOR
TO BE NOTIFIED Rue Schoolcraft
ADDRESS P. O. Box 706, Pineville, W. Va. 24874
PHONE _____

J. J. Murray
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 1965 by Federal Coal Company made to PLATCO (TIPCO) and recorded on the 23rd day of July 1965 in Nicholas County, Book 35 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

Address
of
Well Operator

Very truly yours, Texas International Petroleum Co.
(Sign Name) [Signature]
Well Operator

Suite 740, One Valley Square
Street
Charleston
City or Town
West Virginia 25309
State

99/29/2023

*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

47-067-0576

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."

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 Texas International Drilling Division NAME James Blanton
 ADDRESS 330 Morrision Bldg., Chas., W. Va. ADDRESS Suite 740, One Valley Square, Chas
 TELEPHONE 304-344-3591 TELEPHONE 304-345-3430
 ESTIMATED DEPTH OF COMPLETED WELL: 2790' ROTARY CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: Big Lime & 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 11-3/4	40'	40'	to surface
9 - 5/8			
8 - 5/8	790'	790'	to surface
7			
5 1/2			
4 1/2		2790'	100 sks <i>or three</i>
3			Perf. Top <i>salt sand</i>
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET SALT WATER FEET
 APPROXIMATE COAL DEPTHS 309-314
 IS COAL BEING MINED IN THE AREA? bi 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 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 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.

Samuel E. Fish
For Coal Company
Sr. V.P.

RECEIVED
MAY 29 1981

DATE February 27, 1981
WELL No. 38
API NO. 47 Nicholas 0576
State County Perm

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS
DEPT. OF MINES

Company Name TEXAS INTERNATIONAL PETROLEUM CORP. Designated Agent James Blanton
Address Suite 740 One Valley Square Address Suite 740 One Valley Square
Charleston, West Virginia 25301 Charleston, W. Va. 25301
Telephone 304/345-3430 Telephone 304/345-3430
Landowner Federal Coal Company Soil Cons. Dist. Elk
Revegetation to be carried out by Paul Thomas (Agent)

This plan has been reviewed by ELK SCD. All correction and addition
become a part of this plan. 2-27-81 James Beatty
(DATE) (SCD AGENT)

ACCESS ROAD	LOCATION
Structure <u>Cross Drains</u> (A) Spacing _____ Page Ref. Manual <u>I-3</u>	Structure <u>Siltation Barrier</u> (1) Material <u>Brush, Straw, Rock</u> Page Ref. Manual <u>N/A</u>
Structure <u>Open Ditch</u> (B) Spacing <u>Well Road</u> Page Ref. Manual <u>1:13</u>	Structure <u>Drilling Pit</u> (2) Material <u>Earthen - Plastic lined</u> Page Ref. Manual <u>N/A</u>
Structure _____ (C) Spacing _____ Page Ref. Manual _____	Structure <u>Diversion Ditch</u> (3) Material <u>Earthen</u> Page Ref. Manual <u>1:13</u>

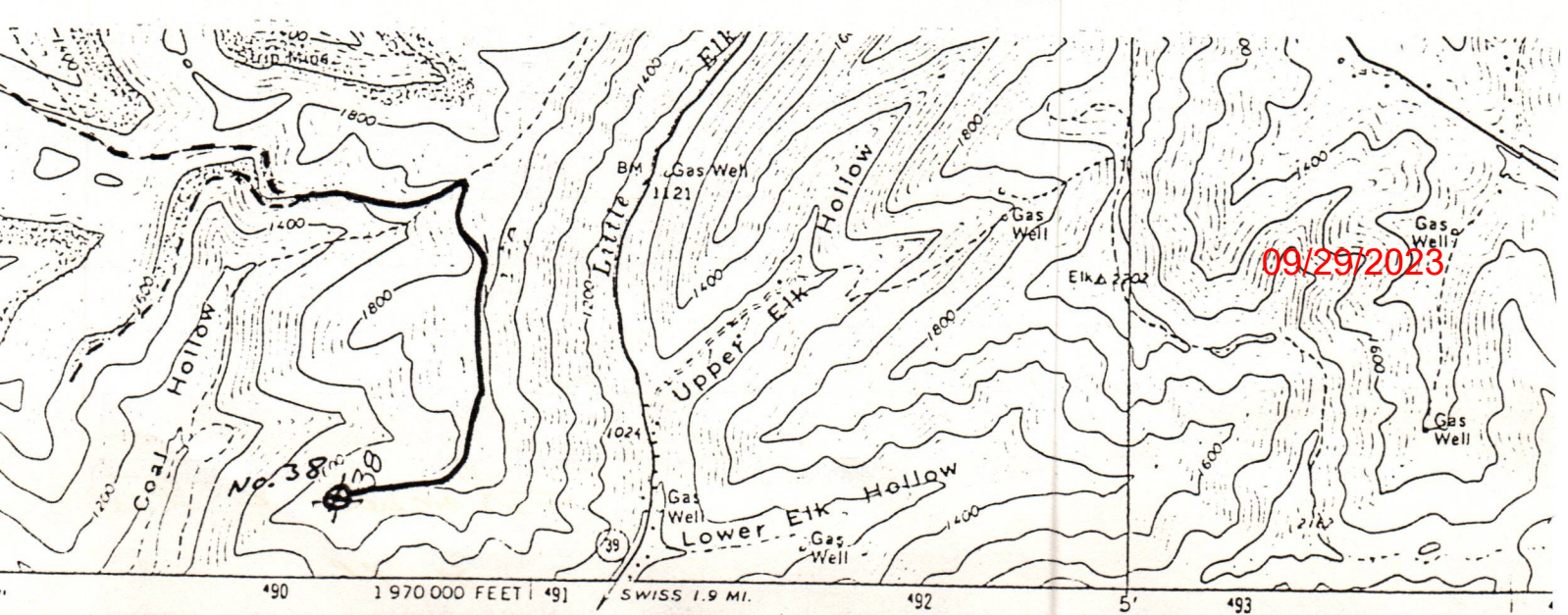
All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work begins.

TREATMENT AREA I		TREATMENT AREA II	
Lime <u>4-6</u> Tons/acre	or correct pH <u>6.5</u>	Lime <u>4-6</u> Tons/acre	or correct 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>Hay</u> 2 Tons/acre		Mulch <u>Hay</u> 2 Tons/acre	
Seed* <u>38% Ky-31 Tall Fescue</u> lbs/acre		Seed* <u>38% Ky-31 Tall Fescue</u> lbs/acre	
<u>32% Creeping Red Fescue</u> lbs/acre		<u>32% Creeping Red Fescue</u> lbs/acre	
<u>30% Rye Grass</u> lbs/acre		<u>30% Rye Grass</u> lbs/acre	

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

Attach or photocopy section of involved Topographic map. Quadrangle Lockwood 7.5'

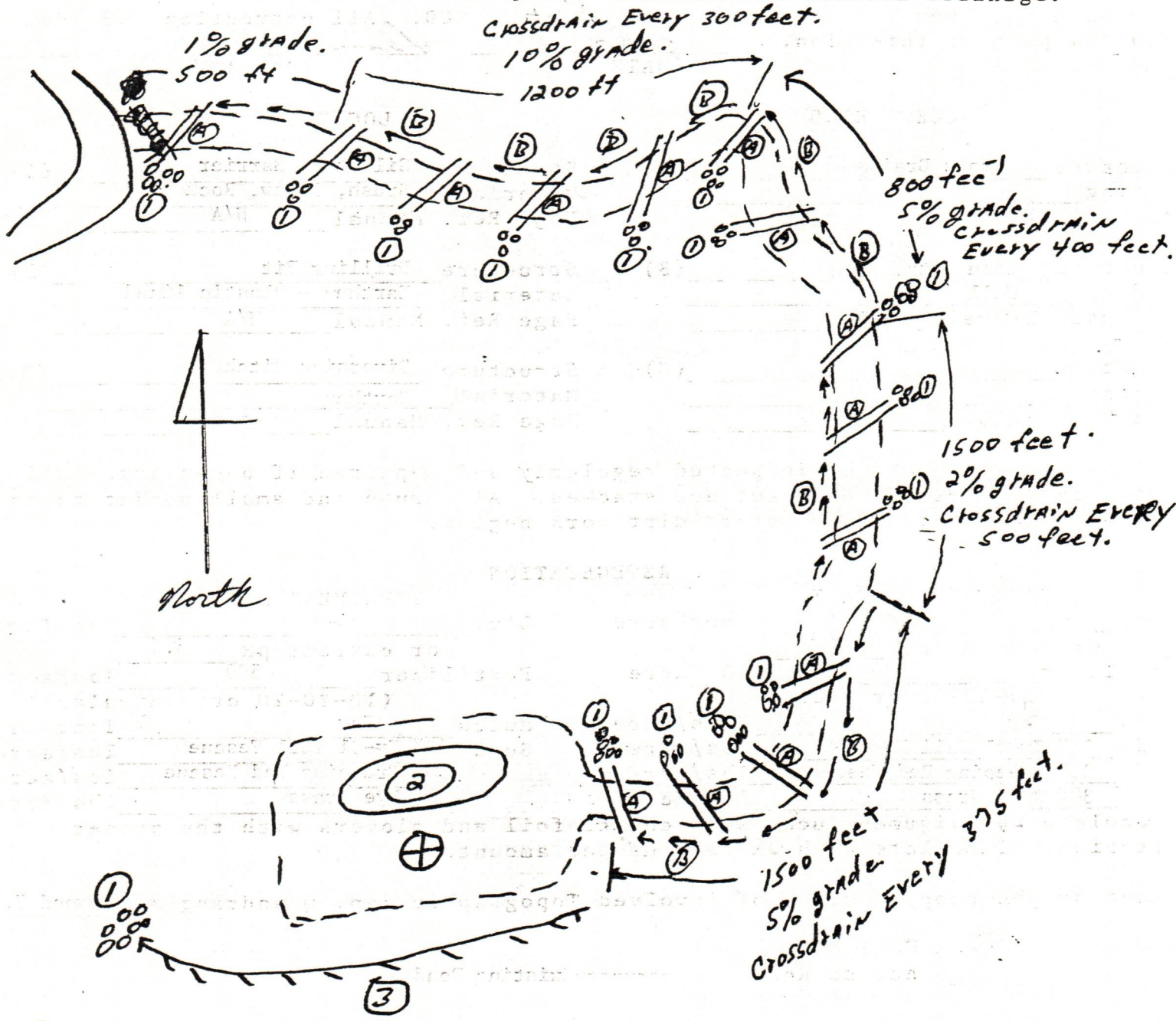
Legend:  Well site
 Access Road
 Existing Road



WELL SITE PLAN

- Legend:
- Property Boundary _____
 - Diversion
 - Road
 - Spring
 - Existing Fence
 - Wet Spot
 - Planned Fence
 - Building
 - Stream
 - Drain Pipe
 - Open Ditch
 - 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.



COMMENTS: Existing well road will be upgraded as needed. The drainage will be diverted from the disturbed areas into adequate siltation barriers to eliminate significant pollution and siltation. The area will be graded, drained, seeded, fertilized and mulched within three (3) months of completion of drilling.

09/29/2023

Signature _____ (Agent) _____ (Address) _____ (Phone Number)

Please request landowners cooperation to protect new seeding for one growing

RECEIVED



IV-35
(Rev 8-81)

NOV 25 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date 11/24/81

Operator's

Well No. #38

Farm Federal Coal Company

API No. 47 - 067 - 0576

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

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

LOCATION: Elevation: 1739.00 Watershed Twenty Mile Creek
District: Jefferson County Nicholas Quadrangle Lockwood 7.5'

COMPANY Texas International Petroleum

ADDRESS Suite 740, One Valley Square

DESIGNATED AGENT James M. Blanton

ADDRESS Suite 740, One Valley Square

SURFACE OWNER Federal Coal Company

ADDRESS 704 Union Bldg., Charleston, WVA

MINERAL RIGHTS OWNER Same

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Deo

Mace ADDRESS Sand Ridge, W. Va.

PERMIT ISSUED June, 1981

DRILLING COMMENCED 10/06/81

DRILLING COMPLETED 10/14/81

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11-3/4 13-10"	42'	42'	
9 5/8			
8 5/8	807'	807'	225 sx
7			
5 1/2			
4 1/2	2728'	2728'	200sx
3			
1-1/2"	2603'	2603'	
Liners used			

GEOLOGICAL TARGET FORMATION Big Lime Depth 2596'-2627' feet

Depth of completed well 2806' feet Rotary x / Cable Tools

Water strata depth: Fresh feet; Salt 1253' feet

Coal seam depths: 30-35' Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Big Lime Pay zone depth 2596'-2627' feet

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

Final open flow 46 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 6 hours

Static rock pressure 300 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

Second producing formation Pay zone depth 09/29/2023 feet

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

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

Time of open flow between initial and final tests hours

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

(Continue on reverse side)

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

Perforated @ 2596'-2602' w/5 shots, and 2612'-2627' w/8 shots. Spotted 500 gal 15% HCL. Broke down w/hyrdostatic PSI. Fraced w/60M# 20/40 sand. Total bbls-596. Highest sand concentration-4 PPG. AIR-24.4 BPM. AIP-2333 PSI. H.P.-1335. ISIP-800 PSI. 5 min-300 PSI and 15 min-200 PSI. Other additives: WGI1-750#, WAC-10-350#, Caly sta-2 gal, Losurf-13 gal, GBW3-25#, Penn-5 25 gal, KCL-200#, HLX286-70#, HLX287-300#, K-34-100 and 180MSCFN₂.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill	Yellow	Soft	0	2	
Black Shale	Black	Soft	2	4	
Shale	Brown	Soft	4	30	
Coal	Black	Soft	30	35	
Shale	Gray	Soft	35	285	
Sand & Shale	Gray	Medium	285	1140	
Sand	White	Medium	1140	1193	
Shale	Gray	Soft	1193	1336	H ₂ O @ 1353'-1/4"
Sand	White	Medium	1336	1607	
Sand & Shale	Gray	Soft	1607	1631	
Sand	White	Medium	1631	1668	
Shale	Gray	Soft	1668	1742	
Sand	White	Medium	1742	1784	
Shale	Gray	Soft	1784	1895	
Sand	White	Medium	1895	1932	
Sand	White	Hard	1932	1979	
Shale	Gray	Medium	1979	2070	
Shale	Red	Soft	2070	2080	
Sand	White	Medium	2080	2090	
Shale	Gray	Medium	2090	2208	
Shale	gray	Medium	2208	2377	
Sand	Gray	Medium	2377	2430	
Big Lime	White	Medium	2430	2654	
Shale	Gray	Soft	2654	2693	
Sand & Shale	Gray	Medium	2693	2806	TD 7-7/8" hole

(Attach separate sheets as necessary)

Texas International Petroleum Corproation

Well Operator

By: *Robert J. Ford* Operations Manager/Engineering

Date: November 24, 1981

09/29/2023

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



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

COMPANY Texas Int. Petroleum Corp.

PERMIT NO 067-0576 (6-02-81)

6525 N. Meridian

FARM & WELL NO Federal Coal Co. #38

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 Graig 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. B.
Administrator-Oil & Gas Division

January 17, 1986

DATE

JAN 7 1986

09/29/2023

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

JAN 7 1988

Office of Oil & Gas
Department of Energy
Washington, D.C. 20585

TO: [Faded text]

FROM: [Faded text]

[Large block of extremely faded text, likely the main body of a letter or report]

DATE: [Faded text]

SIGNED: [Faded signature]

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

JAN 7 1988

09/29/2023

RECEIVED

DEC 7 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 067- 0567 0576																			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	T Category Code																		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	2627 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. 018753 <small>Name</small> <small>Seller Code</small> 3535 NW 58th Ste 300 <small>Street</small> Oklahoma City OK 73112 <small>City</small> <small>State</small> <small>Zip Code</small>																			
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Twenty Mile Creek <small>Field Name</small> Nicholas WV <small>County</small> <small>State</small>																			
(b) For OCS wells:	Area Name Block Number Date of Lease: <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center; font-size: 8px;">Mo.</td> <td style="text-align: center; font-size: 8px;">Day</td> <td style="text-align: center; font-size: 8px;">Yr.</td> <td colspan="5"></td> </tr> </table> OCS Lease Number												Mo.	Day	Yr.					
Mo.	Day	Yr.																		
(c) Name and identification number of this well: (35 letters and digits maximum.)	Federal Coal #38																			
(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 <small>Name</small> <small>Buyer Code</small>																			
(b) Date of the contract:	12 18 79 <small>Mo. Day Yr.</small>																			
(c) Estimated total annual production from the well:	19 Million Cubic Feet																			
		(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	2.552	0.281	2.833															
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	\$/MMBTU	2.552	0.281	2.833															
9.0 Person responsible for this application:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%; text-align: center;"> Agency Use Only Date Received by Juris. Agency DEC 7 1981 Date Received by FERC </td> <td style="width:75%;"> Roy A. Cutsinger <small>Name</small> <small>Signature</small> 12-01-81 <small>Date Application is Completed</small> </td> <td style="width:75%;"> Mgr. Gas Contracts <small>Title</small> 405-947-8682 <small>Phone Number</small> </td> </tr> </table>				Agency Use Only Date Received by Juris. Agency DEC 7 1981 Date Received by FERC	Roy A. Cutsinger <small>Name</small> <small>Signature</small> 12-01-81 <small>Date Application is Completed</small>	Mgr. Gas Contracts <small>Title</small> 405-947-8682 <small>Phone Number</small>													
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DATE: MAY 7 1982

BUYER-SELLER CODE

PARTICIPANTS:

WELL OPERATOR: Texas International Petrol. Corp.

018753

FIRST PURCHASER: Cabot Corp. oration

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
811207-103-067 = 0567⁵⁷⁶
 Use Above File Number on all Communications
 Relating to Determination of this Well

CIC 1000

067-0040-F = 1920'

067-0021-F = 2000'

067-0337 = 2908'

067-0941 = 2800'

Qualifies

J. H. Haggerty

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 1 Jame M. Blanton
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat 1
- 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: 10-6-81 Date completed 10-14-81 Deepened
- (5) Production Depth: 2596.2627
- (5) Production Formation: Big lime
- (5) Final Open Flow: 46 MCF
- (5) After Frac. R. P. 300 # 22 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 00/29/2023
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

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

Date December 1, 1981

Operator's Well No. Federal Coal#38

API Well No. 47 - 067 - 0567
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. _____
(If Applicable)

WELL OPERATOR Texas 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)

Meter Chart Code _____

Name of First Purchaser Cabot Corporation
P.O. Box 1473
(Street or P. O. Box)
Charleston WV 25301
(City) (State) (Zip Code)

FERC Seller Code 018753

FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of NGPA 103 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)

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 7 1981

Director

Date received by
Jurisdictional Agency _____

By _____
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

ITEM NOS.	FORM NO.	DESCRIPTION
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 period

DEC 7 1981

09/29/2023

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

Date December 1 19 81

Operator's Well No Federal Coal #38

API Well No. 47 State 067 County 0567 Permit 0576

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

WCPA Section 103

DESIGNATED AGENT James M. Blanton

ADDRESS Ste 740, One Valley Square
Charleston, WV 25301

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

LOCATION Elevation 1739.0'
Watershed Twenty Mile Creek
Dist. Jefferson County Nicholas Quad. Lockwood 7.5'

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

Gas Purchase Contract No. 4211
Meter Chart Code _____
Date of Contract 12-18-79

* * * * *

Date surface drilling was begun 10-6-81

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

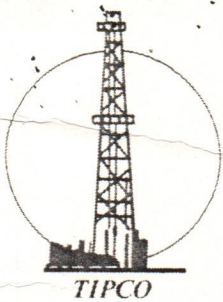
STATE OF OKLAHOMA
COUNTY OF OKLAHOMA TO WIT

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 1 day of December, 19 81, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 1 day of December, 19 81. My term of office expires on the 07 day of August, 19 81.

[NOTARIAL SEAL]

Marsha E. Magill
Notary Public

09/29/2023



TEXAS INTERNATIONAL PETROLEUM CORPORATION

APPALACHIAN DIVISION

BOTTOM PRESSURE CALCULATIONS

FEDERAL COAL #38

$$CP = P_w = 300 \text{ psig} + 14.73 = 314.73 \text{ psia}$$

$$g = 0.6066$$

$$l = 2609'$$

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

$$T_{bh} = (1^{\circ}/100' (2609')) + 60^{\circ}\text{F} + 459.7 = 545.8^{\circ}\text{R}$$

$$s = .954$$

$$x = \frac{1}{53.34T} \quad \text{where } T = \frac{T_{wh} + T_{bh}}{2} = 532.7^{\circ}\text{R}$$

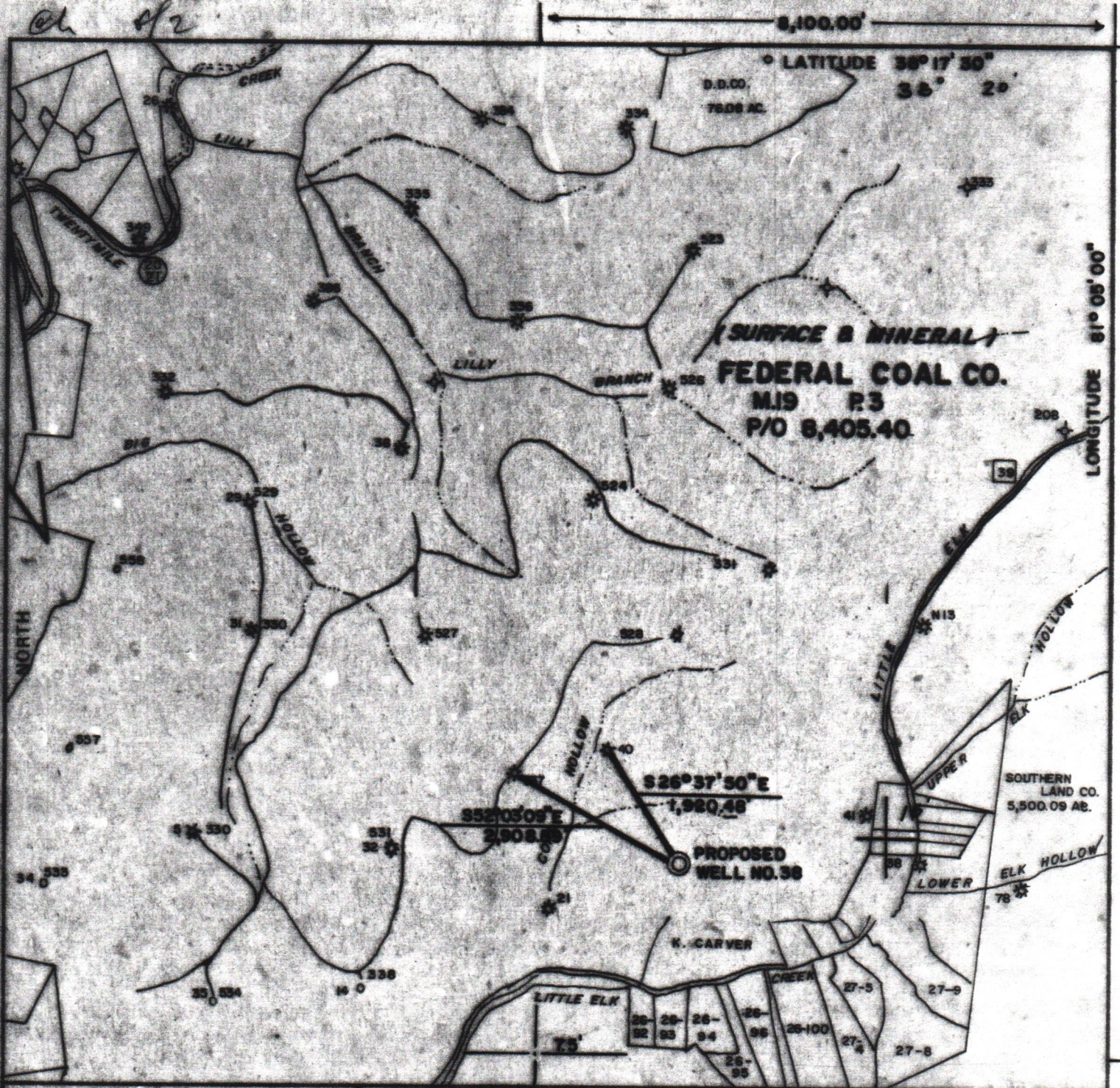
$$x = 3.519 \times 10^{-5}$$

$$P_f = P_w e^{xgls} = 331.9 \text{ psia} = 332 \text{ psia}$$

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

(304) 345-3430

09/29/2023



FILE NO. 559
 DRAWING NO. 38
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1" IN 200'
 PROVEN SOURCE OF ELEVATION 47 CMP 1984
S.M. U.S. DEPT. INT. G.S.

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) [Signature]
 R.P.E. 5594 L.L.S. [Signature]

PLACE SEAL HERE

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



DATE FEBRUARY 19 81
 OPERATOR'S WELL NO. 38
 API WELL NO. 47-067-0576
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1739.00 WATER SHED TWENTYMILE CREEK
 DISTRICT JEFFERSON COUNTY NICHOLAS
 QUADRANGLE LOCKWOOD 7.5' Series
 SURFACE OWNER FEDERAL COAL CO. ACREAGE 8,405.40
 OIL & GAS ROYALTY OWNER FEDERAL COAL CO. LEASE ACREAGE 8,405.40
 LEASE NO. _____

09/29/2023

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION BIG LIME & INJUN ESTIMATED DEPTH 2790'
 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