



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
DEC 22 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION
DEPT. OF MINES

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

Surface Owner Pauline Hixenbaugh
Address Burton, WV 26582
Mineral Owner J. W. Santee Heirs
Address c/o Robert J. Santee
Star Route, Hundred, WV 26575
Coal Owner Wheeling Dollar Savings Bank
Address Trust Acct.
Bank Plaza, Wheeling WV 26003
Coal Operator None - Coal not being operated
Address _____

DATE December 17, 1980
Company Barron Kidd
Address Suite 500, Two Turtle Creek Village
Dallas, TX 75219
Farm Santee Heirs Acres 171
Location (waters) Little Rush Run
Well No. 5 Elevation 1282.5
District Church County Wetzel
Quadrangle Hundred

~~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 deepening. This permit shall expire if
operations have not commenced by 12-31-81.

Phillip L. Tracy
Rt. 23 - Alma, W.Va. 26320
PH: 758-4573

J. E. Huggley
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 September 17 19 79 by Robert J. Santee, et al made to Barron Kidd and recorded on the 12th day of October 1979, in Wetzel County, Book 58A Page 613

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 17th day December, 1980 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,
BARRON KIDD
(Sign Name) Emory I. Corbett
Emory I. Corbett, Agt. & Atty-in-Fa-
Suite 500, Two Turtle Creek Village
Street
Dallas
City or Town
TX 75219
State
09/08/2023

Address
of
Well Operator

*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

47-103-1208-DD
PERMIT NUMBER

Old well originally drilled 8/16/1903

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 Chisler Bros. NAME Frank Gilmore
 ADDRESS P.O.Box 101, Pentress, WV ADDRESS 112 Virginia St., Sistersville, WV 2617
 TELEPHONE 304/879-5511 TELEPHONE 304/652-2924
 ESTIMATED DEPTH OF COMPLETED WELL: 2800' ^{approx.} ROTARY _____ CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: Injun
 TYPE OF WELL: OIL _____ GAS _____ COMB. STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 Conductor		15'	
9 - 5/8			
8 - 5/8			
<input checked="" type="checkbox"/> 6-5/8"		2183'	CTS
5 1/2			
4 1/2		2800'	150 sax or as
3			Perf. Top <i>reg'd. by rule</i>
2			Perf. Bottom <i>15.0'</i>
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET _____ SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS 950' _____
 IS COAL BEING MINED IN THE AREA? No BY WHOM? None

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.

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. 09/08/2023

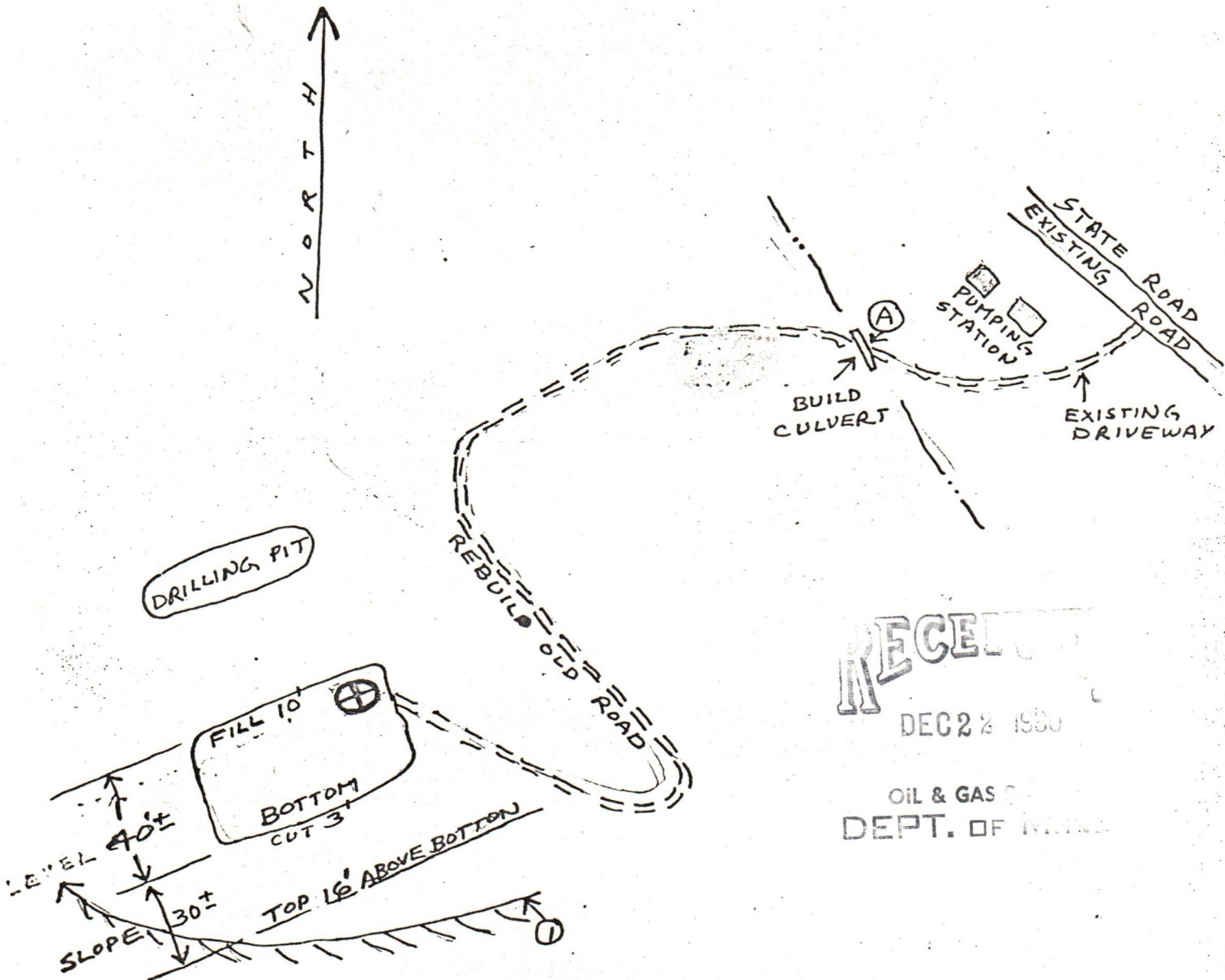
 For Coal Company

 Official Title

- Legend:
- Property Boundary
 - 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.



Comments: AVERAGE SLOPE OF WELL ROAD (ACCESS ROAD) IS
APPROXIMATELY 10% TO 15%

09/08/2023

Frank Gilmore agent

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Mannington
API 47-103-1208 DD
Permit No. 47-103-1208 DD

Company <u>Barron Kidd</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Suite <u>500, Two Turtle Ck. Village, Dallas, TX</u>				
Farm <u>Chas. Santee Heirs</u> Acres <u>171</u>	Size			
Location (waters) <u>Little Rush Run</u>	20-16			
Well No. <u>5</u> Elev. <u>1282</u>	Cond. <u>15'</u>			
District <u>Church</u> County <u>Wetzel</u>	<u>9-10"</u>	<u>285</u>	<u>0</u>	
The surface of tract is owned in fee by <u>Pauline Hixenbaugh</u>	<u>9 5/8</u>			
Address <u>Burton, West Virginia 26582</u>	<u>8 5/8</u>	<u>1475</u>	<u>0</u>	
Mineral rights are owned by <u>J. W. Santee Heirs</u>	<u>7</u>	<u>2183</u>	<u>2183</u>	From original drilling/1903
c/o Robert J. Santee <u>Star Rte., Hundred, WVA</u>	<u>5 1/2</u>			
Drilling Commenced <u>Mch. 31, 1981</u>	<u>4 1/2</u>	<u>2564</u>	<u>2564</u>	cmtd w/120 sx.
Drilling Completed <u>Apr. 8, 1981</u>	<u>3</u>			
Initial open flow <u>6,000</u> cu. ft. <u>-</u> bbls.	<u>2</u>			
Final production <u>50,000</u> cu. ft. per day <u>-</u> bbls.	Liners Used			
Well open <u>6</u> hrs. before test <u>525</u> RP.				

Well treatment details:

Attach copy of cementing record.

Perforations @ 2415-17'; 2425-28'; 2434-37'; 2470-73'. Frac with 400 Bbl. water and 26 M lbs. sand. Ball on Baffle @ 2401; then broke down and acidized perfs. @ 2382'-2396' (15-holes) with 4000 gal. HCL (Measurements from Basin Surveys Log)

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Old well drilled deeper. Original drilling completed 8/16/03						
Pittsburgh Coal			1085			
Salt Sand			2025	2100		Water in Gas Sand @ 1835'
Red Rock			2120	2183		
Maxon			2183			Oil @ 2218', 2225', 2242'-51'
Total original depth				2263		From Pure Oil Co. Log.
Cemented shot hole and started drilling deeper @			2215			
Limestone				2340		From Nuclear Log
Shale			2340	2348		
Dolomitic Sand (Big Injun)			2348	2410		Gas @ 2378' (6 MCFD)
Sandstone (Big Injun)			2410	2560		
Total Depth				2583		Logged by Schlumberger Bond Log & Perforations By Basin Surveys.
						09/08/2023
						DATE July 28 1981
						APPROVED BARRON KIDD
						by Emory T. Corbett, Agent & Atty-in-fact



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

March:16, 1982

WALTER N. MILLER
DIRECTOR

Barron Kidd
Suite 500, Two Turtle Creek Village
Dallas, Texas 75219

Dear Sir:

The required records and reports have been received in this office and the District Inspectors have submitted Final Inspections for the following wells listed below:

<u>PERMIT NO.</u>	<u>FARM & WELL NO.</u>	<u>DISTRICT</u>
WETZEL-1208-DD	Santee Heirs #5	Church
WETZEL-1174	Charles Santee Heirs #19	Church

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force for life of well. Reclamation requirements have been approved..... ..

Very truly yours,

Fred Burdette

09/08/2023

OIL & GAS DIVISION
DEPT. OF MINES
JUL 2 1981

1.0 API well number: (If not available, leave blank. 14 digits.)	47-103-1208 DD						
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.)	2583 feet						
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<p style="text-align: center;">BARRON KIDD</p> <p>Name _____ Seller Code _____</p> <p>Two Turtle Creek Village, Suite 500 Street _____</p> <p>Dallas, Texas 75219 City State Zip Code</p>						
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	SANTEE FIELD (BIG INJUN)						
(b) For OCS wells:	<p>Field Name _____ W.VA. State</p> <p>County _____</p> <p>Area Name _____ Block Number _____</p> <p>Date of Lease: _____</p> <p style="text-align: center;">Mo. Day Yr.</p> <p>OCS Lease Number _____</p>						
(c) Name and identification number of this well: (35 letters and digits maximum.)	BARRON KIDD SANTEE #5						
(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.)	<p style="text-align: center;"><i>Columbia Gas Transmission</i></p> <p>Name _____ Buyer Code _____</p>						
(b) Date of the contract:	<p style="text-align: center;">Mo. Day Yr.</p>						
(c) Estimated annual production:	15 MMcf.						
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c.)			
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	N/A	N/A	N/A	N/A			
9.0 Person responsible for this application:	2.471	0	0	2.471			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Agency Use Only</td> </tr> <tr> <td style="text-align: center;">Date Received by Juris. Agency JUL 31 1981</td> </tr> <tr> <td style="text-align: center;">Date Received by FERC</td> </tr> </table>	Agency Use Only	Date Received by Juris. Agency JUL 31 1981	Date Received by FERC	<p style="text-align: center;">Emory T. Corbett</p> <p>Name _____ Title Agent & Atty-in-fact</p> <p style="text-align: center;"><i>Emory T. Corbett</i></p> <p>Signature _____</p> <p style="text-align: center;">7/28/81</p> <p>Date Application is Completed _____</p> <p style="text-align: center;">214/528-6173</p> <p>Phone Number _____</p>			
Agency Use Only							
Date Received by Juris. Agency JUL 31 1981							
Date Received by FERC							

09/08/2023

PARTICIPANTS:

DATE: NOV 16 1981

BUYER-SELLER CODE

WELL OPERATOR: Barron Kidd

010 239

FIRST PURCHASER: Columbia Gas Transmission

004030

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
91-07-31-103-103 = 1208 DI
 Use Above File Number on all Communications
 Relating to Determination of this Well

OK 1000

Checked. BCS

Does not qualify as a new onshore development/well original completion 8/16/03

Rejected

J E Huzzey

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121 Items not completed - Line No. 7.0 all 8.0 bc
2. IV-1 Agent Frank Gilmore
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: 3-31-81 Date completed 4-8-81 Deepened
- (5) Production Depth: 2415-2473
- (5) Production Formation: Big Injun
- (5) Final Open Flow: 50 mcf
- (5) After Frac. R. P. 525 # 6 hrs
- (6) Other Gas Test:
- (7) Avg. Daily Gas from Annual Production:
- (8) Avg. Daily Gas from 90-day ending w/1-120 days
- (8) Line Pressure: PSIG from Daily Report
- (5) Oil Production: From Completion Report
- 10-17. Does lease inventory indicate enhanced recovery being done No
- 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information 09/08/2023
- Additional information Does computer program confirm?
- Was Determination Objected to By Whom?

HHH

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

Date August 25 19 81

Operator's Well No. 5 Santee

API Well No. 103 - 1208 DD
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Frank Gilmore

ADDRESS 112 Virginia Street
Sistersville, WV 26175

WELL OPERATOR Barron Kidd

LOCATION: Elevation 1282

ADDRESS Suite 500, Two Turtle Ck. Village
Dallas, Tx 75219

Dist. Church County Wetzel Quad. Mannington

GAS PURCHASER Columbia

Gas Purchase Contract No.

ADDRESS

Meter Chart Code

Date of Contract

Date surface drilling was begun: March 31, 1981 Drill deeper

Indicate the bottom hole pressure of the well and explain how this was calculated:
Well-Head Shut-in pressure = 525 psig = 540 PSIA = P_w Gas Sp G = 0.6831 = G
Depth-Perforations @ 2390' = L Avg. Temp. = 533° R = T = 73°F
P/C Pressure = 667 PSIA; and P/C Temp = 385° R (From Chart by Brown)
 $T_r = 1.21$ and $T_r = 1.40$; making $z = 0.85 = S$ (Super-Compressibility)
Formation Pressure = $P_f = P_w e^{XGLS}$; where $X = \frac{1}{53.34 T} = .0000352$
 $P_f = 540 \times 2.71828(.0000352 \cdot 0.6831 \cdot 2390 \cdot 0.85) = 540 \times 2.718 \cdot 0489$
 $P_f = 540 \times 1.050 = 567 \text{ PSIA} = 552 \text{ psig @ Bottom-Hole.}$

Emory T. Corbett, 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.

STATE OF ~~WEST VIRGINIA~~ TEXAS

COUNTY OF DALLAS, TO WIT:

I, Patsy Ruth Capps, a Notary Public in and for the state and county aforesaid, do certify that Emory T. Corbett, whose name is signed to the writing above, bearing date the 25 day of August, 19 81, has acknowledged the same before me, in my county aforesaid.

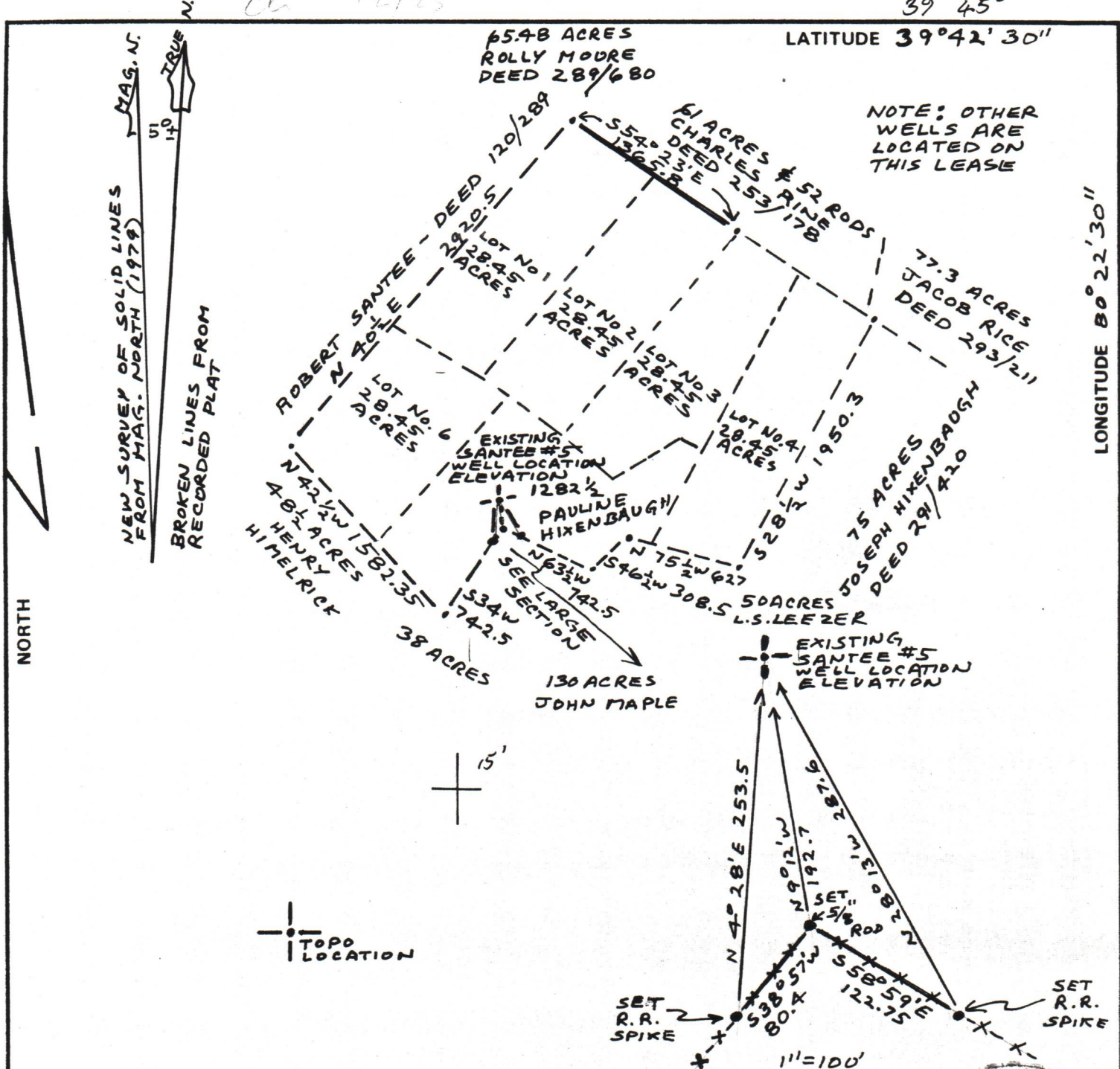
Given under my hand and official seal this 25 day of August, 19 81.

My term of office expires on the 31 day of July, 19 84.

[NOTARIAL SEAL]

Notary Public
PATSY RUTH CAPPAS Notary Public

09/08/2023



FILE NO. 79-5442
 DRAWING NO. 79-5442-E
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION 1053 B.M. ON CHURCH FORK ON HUNDRED TOPO MAP (7.5)

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) Henry M. Parsons
 R.P.E. _____ L.L.S. 98



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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE DEC. 8, 1980
 OPERATOR'S WELL NO. SANTEE #5
 API WELL NO. 103-47-WETZEL 1208 DD
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1282 1/2 WATER SHED LITTLE RUSH RUN
 DISTRICT CHURCH COUNTY WETZEL
 QUADRANGLE HUNDRED (7.5) MN 15
 SURFACE OWNER PAULINE HIXENBAUGH (2-14-2 AC TRACTS) ACREAGE 171 ACRE LEASE
 OIL & GAS ROYALTY OWNER J. W. SANTEE HEIRS LEASE ACREAGE 171

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

09/08/2023

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Injun ESTIMATED DEPTH 2800'
 WELL OPERATOR BARRON KIDD DESIGNATED AGENT FRANK GILMORE
 ADDRESS SUITE 500, TWO TURTLE CREEK VILLAGE DALLAS, TX 75219 ADDRESS 112 VIRGINIA STREET SISTERSVILLE, WV 26175