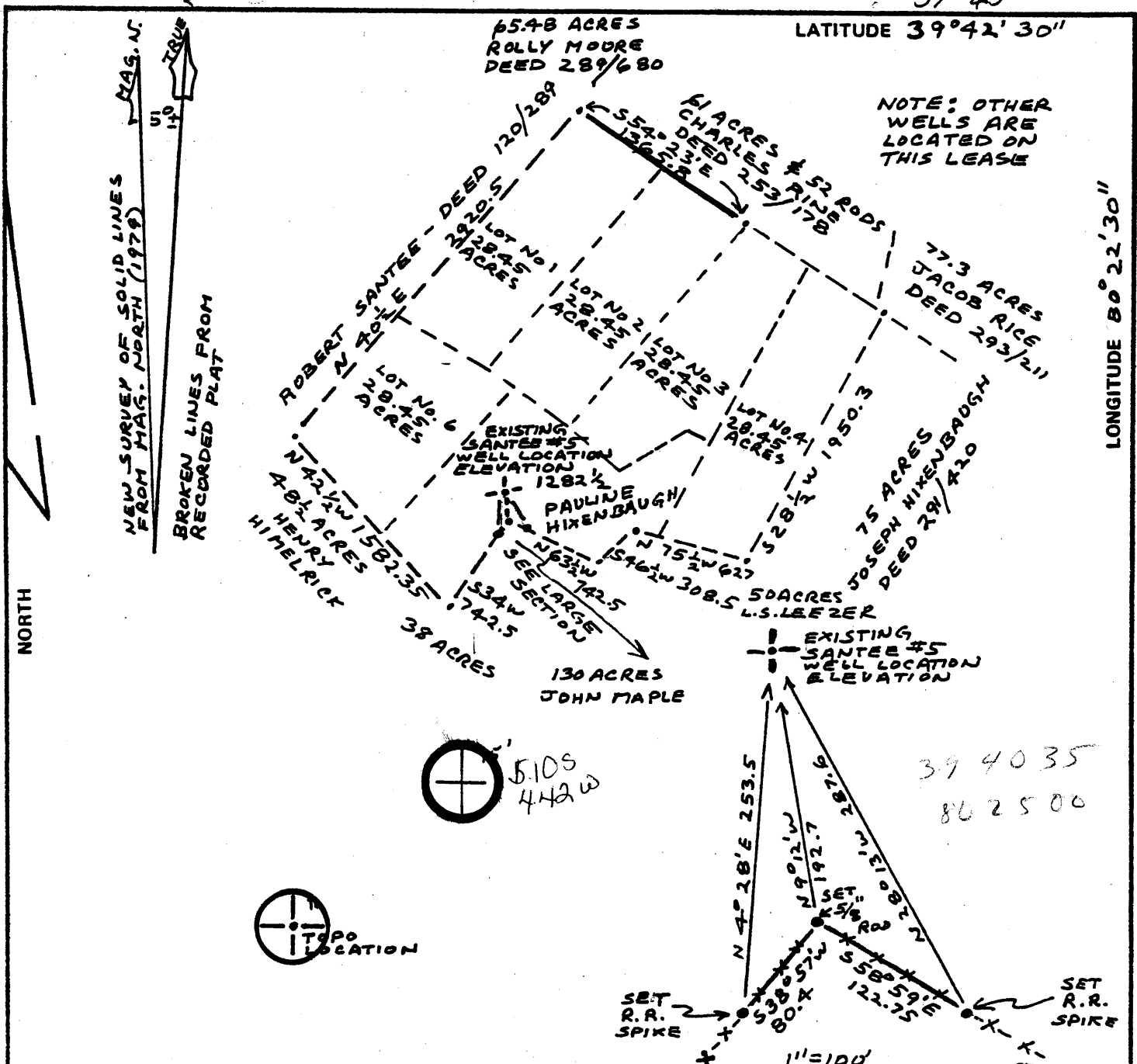
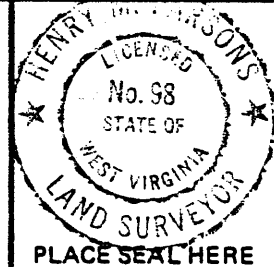


NORTH



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)



DATE DEC. 8, 19 80
 OPERATOR'S WELL NO. Santee #5
 API WELL NO. 103-
47 - WETZEL 1208 DD
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

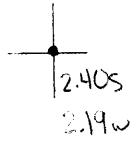
WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1282 1/2 WATER SHED LITTLE RUSH RUN
 DISTRICT CHURCH COUNTY WETZEL
 QUADRANGLE HUNDRED (7.5) Mannington 15, NC
 SURFACE OWNER PAULINE HIXENBAUGH TRACTS 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) _____
 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 ADDRESS 112 Virginia Street
Dallas, TX 75219 Sistersville WV 26175

H. T. HALL

Latitude

Longitude



Topo Location

7.5' Loc. _____ 15' Loc. _____
(calc.) _____

Company Benson Kidd

Farm JW Switzer Has #5

15' Quad _____
(sec.)

7.5' Quad Hundred

District Church

WELL LOCATION PLAT

County 103 Permit 1208



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 Mannington
API
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,</u> Address <u>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>19-10"</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>	<u>-</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 cmtd w/120 sx.
→ c/o Robert J. Santee <u>Star Rte., Hundred, WVA</u> Address <u>26575</u>	<u>5 1/2</u>			
Drilling Commenced <u>Mch. 31, 1981</u>	<u>4 1/2</u>	<u>2564</u>	<u>2564</u>	
Drilling Completed <u>Apr. 8, 1981</u>	<u>3</u>			
Initial open flow <u>6,000</u> cu. ft. _____ bbls.	<u>2</u>			
Final production <u>50,000</u> cu. ft. per day _____ 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			
Total original depth				2263		Oil @2218', 2225', 2242'-51' 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.

~~2583~~
~~2263~~

2583
2263

320 EXPL FI 100

DATE July 28 1981
APPROVED BARRON KIDD
by _____ OWNER
Emory T. Corbett, Agent & Atty-in-fact

JAN 27 1982

John W. Santee No. 5 Well.

No. 346 O.F.-Wetzel.

Church

.....District, Wetzel County, W. Va.

Wetzel 1208P

By The Pure Oil Co.

Survey No. 4. (Elevation, 1275' B.)

Commenced July 1, 1903; completed, Aug. 16, 1903.

Drillers: Joe Lane, L. G. Baker.

Tool dressers: J. N. Jones and W. T. Withers.

Fresh water at 150'.

Settled production, 20 bbls. per day.

15' conductor; 10" casing, 285' (pulled); 8 1/4", 1475'; 6 5/8", 2183'.

Shot with 100 qts.

Record from E. Towmley, Room 2308, 35 E. Wacker Drive, Chicago, Ill.,

March 13, 1931.

On N. side of Little Rock Run, 2.4 mi. E of Hundred

	Top.	Bottom.
Pittsburgh Coal	1085	
Little Dunkard Sand	1475	- 1520
Big Dunkard Sand	1570	- 1625
Gas Sand	1855	- 1900
Salt Sand	2025	- 2100
Red rock	2120	- 2183
Marion Sand (1st showing oil, 2218'; oil pay, 2242-2251')(more oil, 2225)	2183	- 2263
Total depth		2263



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 8-31-81.

Phil Tracy - 758-4573

J. E. 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 September 17 1979 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

Address
of
Well Operator

Suite 500, Two Turtle Creek Village
Street
Dallas
City or Town
TX 75219
State

*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.

47-103-1208-DD

PERMIT NUMBER

Old well originally drilled 8/16/1903

BLANKET BOARD

Summary

**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 ca
3			Perf. Top <i>slgd. by</i>
2			Perf. Bottom <i>rule 15.01</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.

For Coal Company

Official Title