

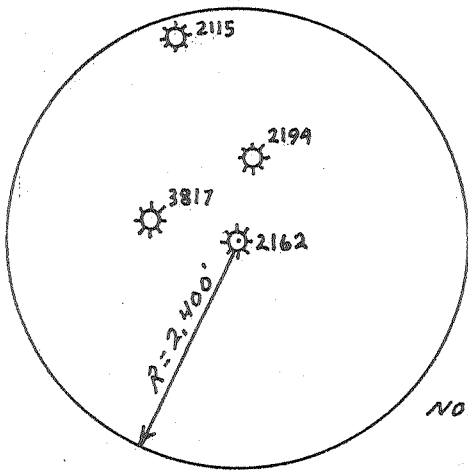
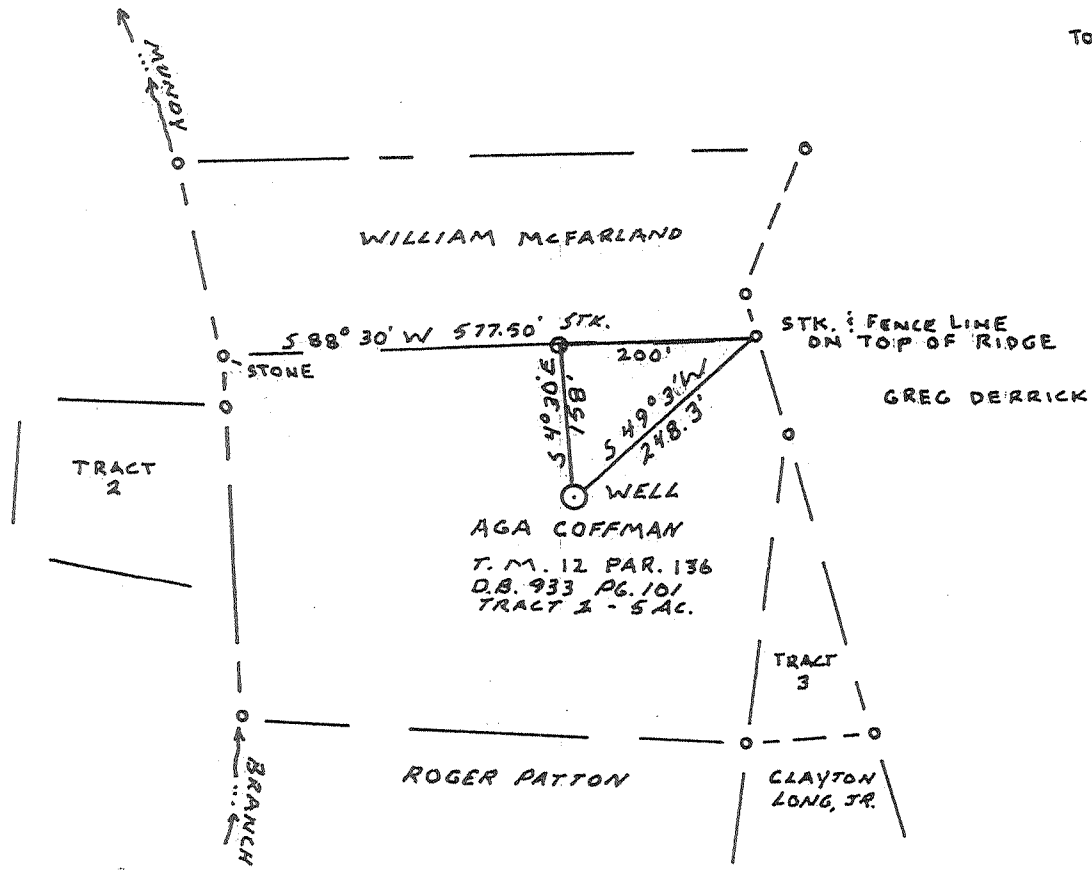
1,550'

LATITUDE 38° 27' 30"

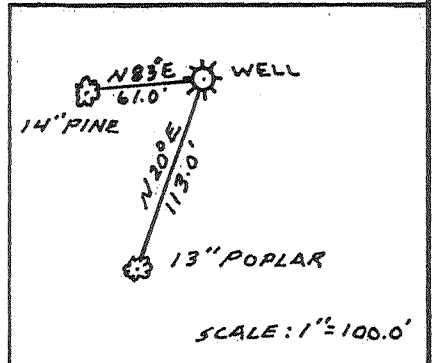
TOPO SPOT

LONGITUDE 81° 40' 00"

NORTH



NOTE: PLAT IS FOR PERMIT, ONLY.
FOR ACTUAL SURVEY SEE
PLAT DATED 9-20-67.



SCALE: 1"=100.0'

FILE NO. W-04-03
 DRAWING NO. _____
 SCALE 1"=200'
 MINIMUM DEGREE OF ACCURACY 1' IN 200'
 PROVEN SOURCE OF ELEVATION OPERATORS RECORDS

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) _____
 R. P. E. 1423 L. L. S. _____

PLACE SEAL HERE

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

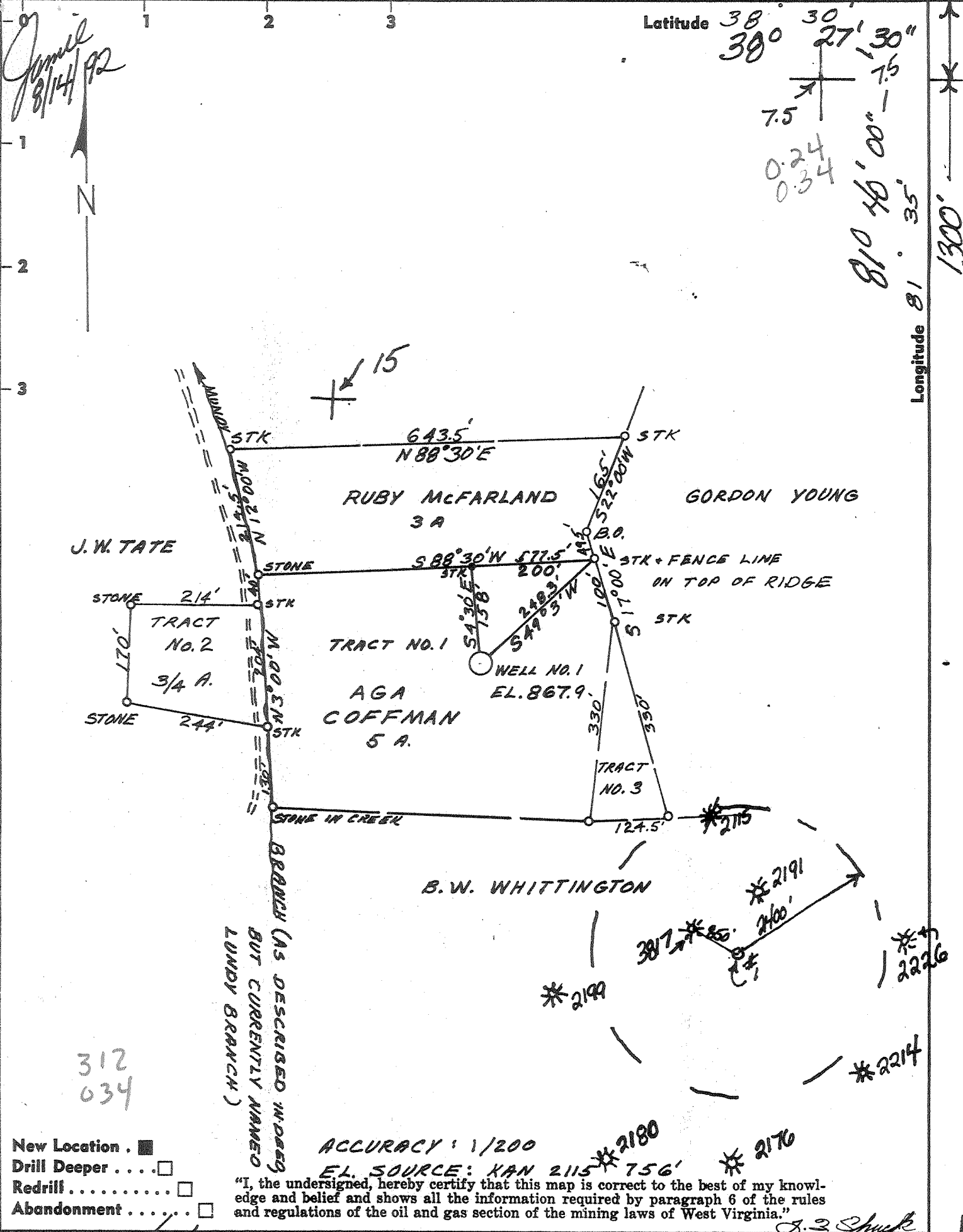


DATE AUGUST 28, 2004
 OPERATOR'S WELL NO. 1
 API WELL NO. 47 - 039 - 02162F
 STATE COUNTY PERMIT

Division of Environmental Protection
 Office of Oil & Gas

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP X SHALLOW ___)
 LOCATION: ELEVATION 867.90' WATER SHED MUNDY BRANCH OF TUPPER CREEK
 DISTRICT UNION COUNTY KANAWHA
 QUADRANGLE POCATAHICO 7.5'
 SURFACE OWNER AGA COFFMAN ACREAGE 5.0
 OIL & GAS ROYALTY OWNER AGA COFFMAN LEASE ACREAGE 5.0
 LEASE NO. _____
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE X PLUG OFF OLD FORMATION X PERFORATE NEW
 FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 5.034'
 WELL OPERATOR VIKING ENERGY, INC. DESIGNATED AGENT MICHAEL PINKERTON
 ADDRESS P.O. Box 13366 ADDRESS SAME AS OPERATOR
SISSONVILLE, WV 25360

KAN 2162 F



- New Location .
- Drill Deeper
- Redrill
- Abandonment

ACCURACY: 1/200
 EL. SOURCE: KAN 2115 * 756' * 2180 * 2170
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."
 J. Z. Shuck

Company Viking Energy 1095
 Address Box 13366, Sissonville, W. Va. 25360
 Farm AGA COFFMAN
 Tract NO 1 Acres (.5) Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 867.9
 Quadrangle CHARLESTON 15 / Potomac 75
 County KANAWHA District UNION 9
 Engineer L. Z. SHUCK
 Engineer's Registration No. 4596
 File No. _____ Drawing No. _____
 Date 9-20-67 Scale 1" = 200'

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

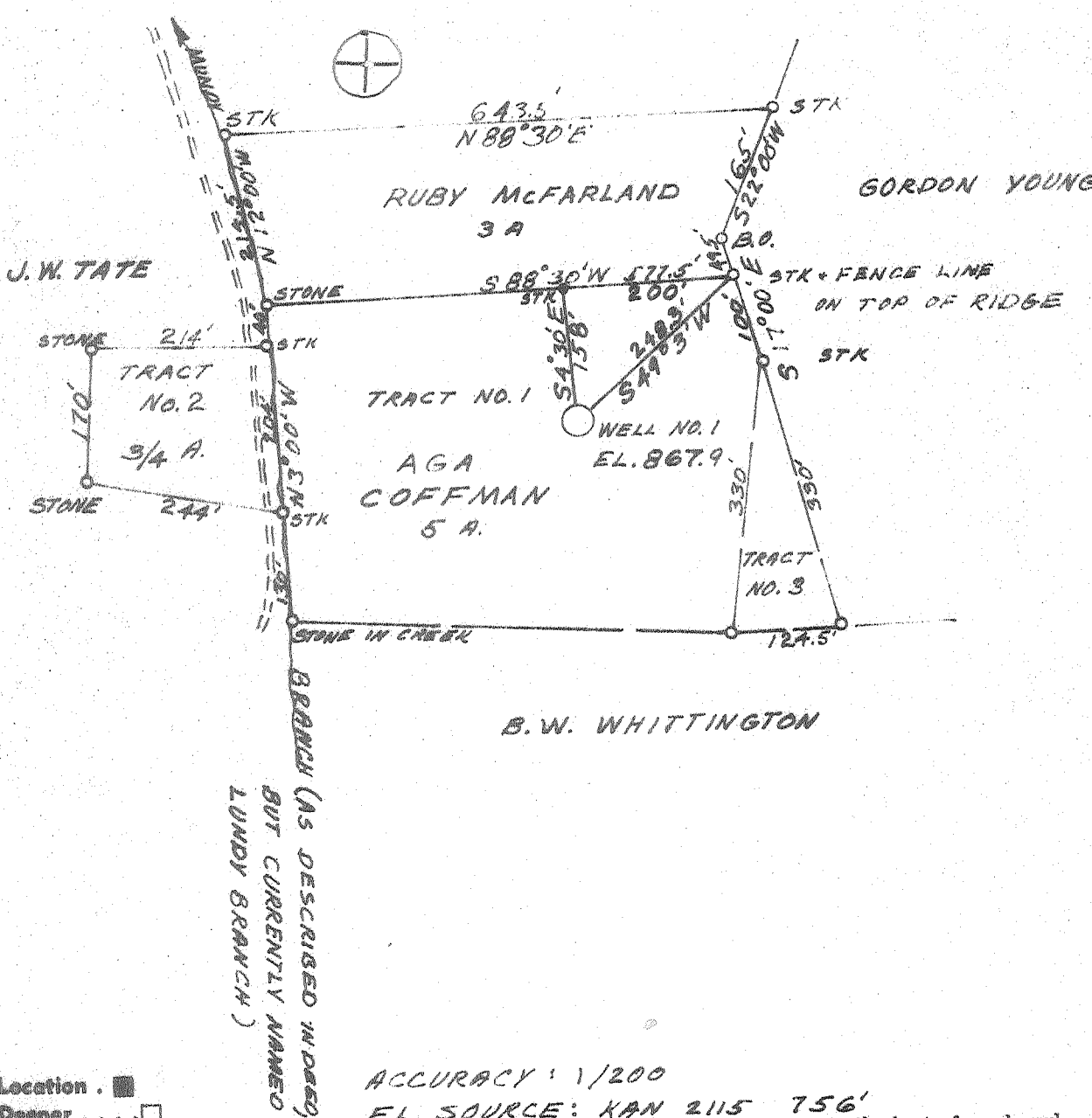
WELL LOCATION MAP
 API well No. 47-039-2162-F

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 OCT 3 1967

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

Latitude 38° 30'

Longitude 81° 35'



- New Location
- Drill Deeper
- Redrill
- Abandonment

ACCURACY: 1/200

EL. SOURCE: KAN 2115 756'

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 8 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

J. Z. Shuck

Company STROUD BROTHERS OIL CO.
 Address JOINERVILLE, TEXAS
 Farm AGA COFFMAN
 Tract NO 1 Acres (.5) Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 867.9
 Quadrangle CHARLESTON NW
 County KANAWHA District UNION
 Engineer L. Z. SHUCK
 Engineer's Registration No. 4596
 File No. _____ Drawing No. _____
 Date 9-20-67 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. KAN-2162-REVISED

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

Deep Well (Newburg)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
WELL RECORD

Rotary ~~API~~
Spudder
Cable Tools
Storage **WELL**
Oil or Gas Well GAS
(KIND)

38° 30'

Charleston 1-35

Quadrangle POCATUNGA 7 1/2'

Permit No. KAN-2162

Company STROUD BROS. OIL CO.
Address Box 68, JOINERVILLE, TEXAS, 75658
Farm ASA COFFMAN Acres 5
Location (waters) TUPPERS CREEK - MUNDAY BRANCH
Well No. 1 Elev. 868 5rd 876 K.B
District UNION County KANAWHA
The surface of tract is owned in fee by ASA COFFMAN
RT 5 - Box 470 Address CHARLESTOWN, W. VA.
Mineral rights are owned by SAME
Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13 ^{cm} in _{surface}	100'	106'	Size of
10			Depth set
8 1/4 1.005 cm	2005'	2005'	
6 3/8			
5 3/16 ^{1755 cm}	5695.2"	5695.2"	
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced SEPTEMBER 6, 1967
Drilling completed SEPTEMBER 15, 1967
Date Shot NONE From _____ To _____
With _____
Open Flow 110ths Water in _____ Inch
CALCULATED 110ths Merc. in _____ Inch
Volume 11.9 MM NATURAL Cu. Ft.
Rock Pressure 2209 lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) NONE
WELL FRACTURED (DETAILS) NONE

Attach copy of cementing record.
CASING CEMENTED SIZE 5 3/4 No. Ft. 5695.2 Date Sept 14, 1967
Amount of cement used (bags) 1755X up to 4600
Name of Service Co. HALBERTON
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) NATURAL 11,000,000 11,000 MCF/GPD
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water _____ Feet _____ Salt Water All Sands Feet _____
Producing Sand NEWBURG SAND Depth 5748-5757 1/2

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Elec. Log Top			0	88			
sh & sdy sh			88	102			
sand			102	206			
sandy shale							
sand			206	225			
shale			225	455			
sand			455	475			
shale			475	680			
sand			680	695			
sh. & sh.			695	798			
sand			798	828			
shale			828	868			
sand			868	890			
shale			890	990			
sand			990	1025			
shale			1025	1110			
sand			1110	1135			
shale			1135	1182			
sandy shale			1182	1210			



Formation	Color	Hard or Soft	Top β	Bottom	Oil, Gas or Water	Depth Found	Remarks
Elec Log Tops							
Salt Sand			1210	1550	Salt Wtr		
MAXON Sd			1599	1630			
PENCIL CAVE			1630	1642			
BIG LIME			1642	1868			
KEENER Sd			1868	1906			
INJUN Sd			1908	1944	Show 0.1% Gas		
COFFE Shale			2340	2362			
Berca Sd			2362	2372			
MARCELLUS Sh			4858	4900			
Coniferous Limestone			4900	4990			
Oriskany Sd			4990	5034	est 3 MM Gas		
Newburg Sd			5748	5757 1/2	Tested 11.9 MM Gas		
			5758	T.D.			

Date October 15, 1927

APPROVED STROUP BROS Oil Co., Owner

By James H. Stroup
(Title) Geological Engineer

1) Date: July 30, 1992
2) Operator's well number
Aga Coffman #1 820216
3) API Well No: 47 - 039 - 2162 -FRAC
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
 (a) Name Aga Coffman
 Address 578 Monday Road
Charleston, WV. 25312
 (b) Name _____
 Address _____
 (c) Name _____
 Address _____

5) (a) Coal Operator:
 Name _____
 Address _____
 (b) Coal Owner(s) with Declaration
 Name Aga Coffman
 Address 578 Monday Road
Charleston WV. 25312
 Name _____
 Address _____
 (c) Coal Lessee with Declaration
 Name _____
 Address _____

6) Inspector Carlos Hively
 Address 223 Pinch Ridge Road
Elk View, WV. 25071
 Telephone (304)-965-6069

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties; by:

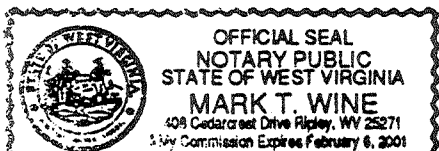
- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Viking Energy, Inc.
 By: Michael Pinkerton
 Its: Designated Agent
 Address P. O. Box 13366
Sissonville, WV. 25360
 Telephone 304-984-3389



Subscribed and sworn before me this 6 day of August, 1992

Mark T. Wine Notary Public

039-2162-F
 issued 10/02/92
 Page 3 of
 Applied 10/02/94

FORM WW-2B

AUG 1 2

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: Viking Energy, Inc. 51440 (9)
- 2) Operator's Well Number: Aga Coffman #1 820216 3) Elevation: 867.9
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): ~~Oriskany Sand~~ Devonian Shale.
- 6) Proposed Total Depth: ~~5004~~ 4850' feet
- 7) Approximate fresh water strata depths: 200', 280', 350'
- 8) Approximate salt water depths: 1210' to 1550'
- 9) Approximate coal seam depths: NA
- 10) Does land contain coal seams tributary to active mine? Yes / No /

11) Proposed Well Work: perforate and fracture Oriskany Sand
 12) Set 100' Cement Plug across Newburg to permanently abandon the Newburg Run Bond log to mark cement top on the ~~bottom~~ of then from Existing Well.
 CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor	133/8			100'	100'	cement to surface
Fresh Water	8 5/8			2005'	2005'	100 sacks
Coal	NA					
Intermediate						
Production	5 1/2	N-80		5696'	5695'	175 sacks
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

5/1/94

3343 29

WR-35
Environmental
JUL 22 93
Permitting
Office of Oil & Gas

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas
Well Operator's Report of Well Work

Name: Coffman, Aga Operator Well No. Coffman #1 - 820216
Location: Elevation: 867.00 Quadrangle: Pocatalico 7 1/2"
District: Union County: Kanawha
Latitude: 1300' Feet South of 38 Deg. 27 Min. 30 Sec.
Longitude: 1770' Feet West of 81 Deg. 40 Min. 0 Sec.

Company: Viking Energy, Inc.
P.O. Box 13366
Sissonville, WV 25360
Agent: Michael Pinkerton
Inspector: Carlos Hively
Permit Issued: 10/02/92
Well work Commenced: 11/02/92
Well work Completed: 11/15/92
Verbal Plugging Permission granted on:
Rotary _____ Cable _____ Rig _____
Total Depth (feet) _____
Fresh water depths (ft) n/a
Salt water depths (ft) n/a
Is coal being mined in area _____
(Y/N)?CoalDepths (ft): No

Casing & Tubing Size	Used in Drilling	Left in well	Cement Fill Up Cu. Ft.
5 1/2"		5695'	

OPEN FLOW DATA

Producing formation Brown Shale Pay zone depth (ft) *See Back
Gas: Initial open flow 0 MCF/D Oil: Initial open flow 0 Bbl/d
Final open flow 180 MCF/D Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 200 psig (surface pressure) after 24 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/D Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/D Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING; 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

FOR: Viking Energy, Inc.

Reviewed TMB
Recorded _____

BY: W. Thomas White Consultant
DATE: 7-6-93

JUL 30 1993

14/23

STIMULATION SUMMARY

Partial Plugging Data:

Ran 250' cement plug (150' of Class A, and 100' of Latex)
from TD (5717') to 5467'.

Recompletion Data:

Bridge plug set at 4132' in 5 1/2" casing.
Total Depth inside 5 1/2" at 4060'.

Devonian "Brown" Shale ^{812 813} 4000-4096' 15 holes
75 quality foam frac, 36,000 lbs 20/40 sand

See original record for additional formation information and flow data.

TD 5758
DF } 535
OFT }