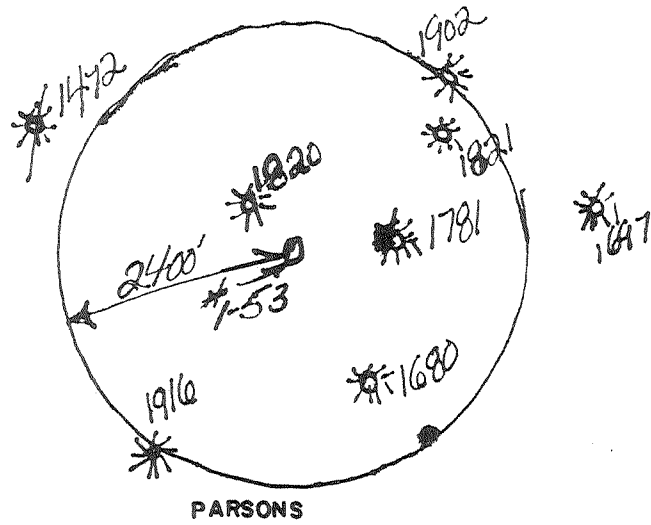


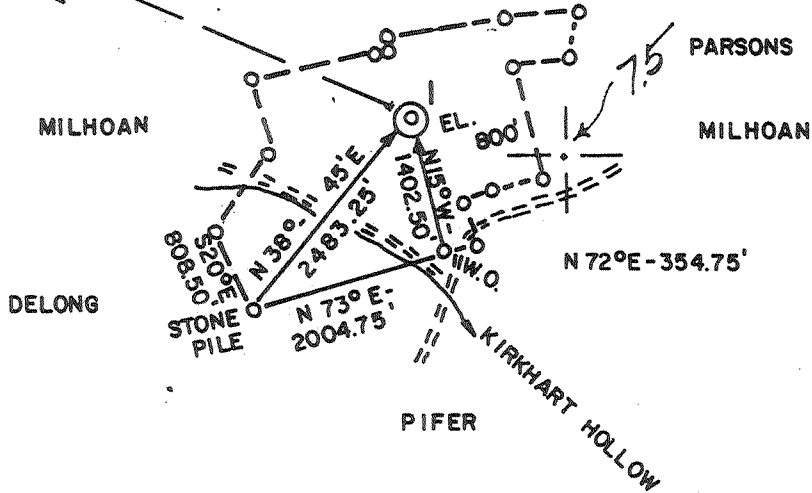
*Jamie
6/28/83*



*81° 42' 30" W
8220' SOUTH*

N 69°30' W - 3720'
TO DEEP WELL

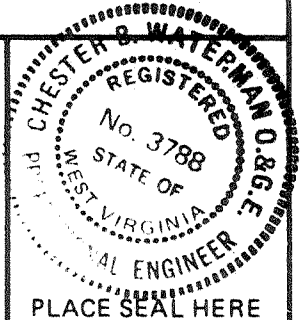
NORTH



FILE NO. 81-336
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION LAMPS RUN ROAD (670')

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) *Chester B. Waterman*
 R.P.E. 3788 L.L.S. _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)

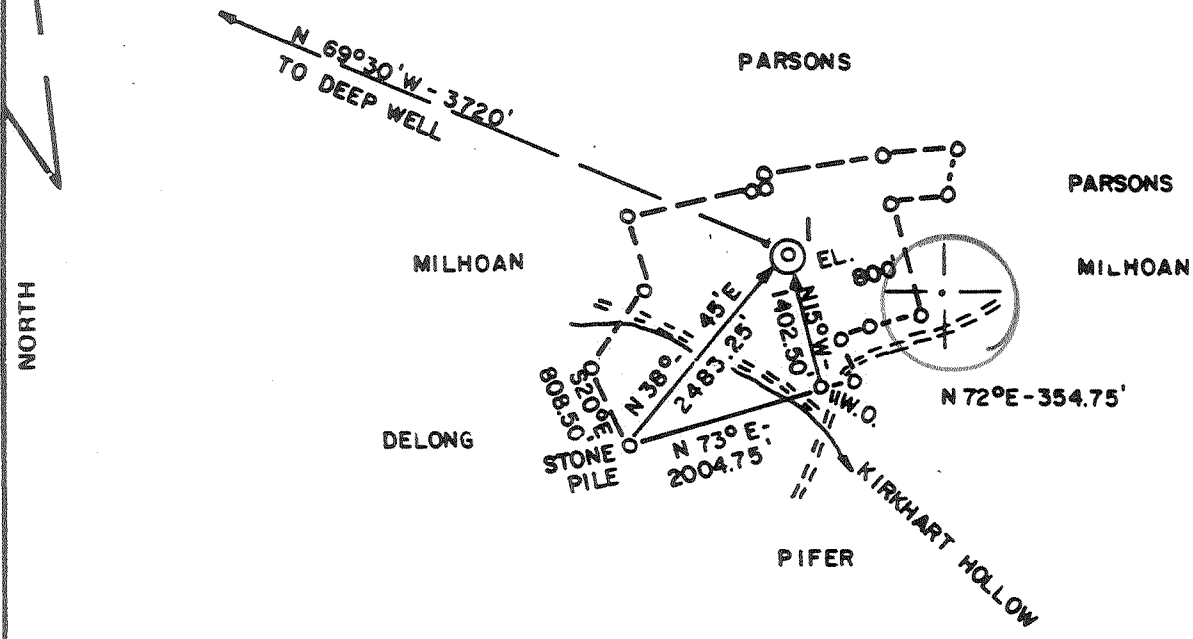


DATE 6/25, 1981
 OPERATOR'S WELL NO. 153
 API WELL NO. 47-035
 STATE COUNTY PERMIT 01519-P

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

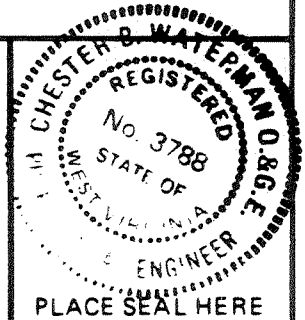
WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 800 WATER SHED LAMPS RUN
 DISTRICT GRANT COUNTY JACKSON
 QUADRANGLE ROND CREEK 7.5
 SURFACE OWNER LLOYD G. BURDETTE ACREAGE 134.83
 OIL & GAS ROYALTY OWNER LLOYD G. BURDETTE LEASE ACREAGE 134.83
 LEASE NO. _____
 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 ORISKANY ESTIMATED DEPTH 5000'
 WELL OPERATOR H. D. WELLS O & G DESIGNATED AGENT SAME
 ADDRESS P. O. BOX 1785 ADDRESS _____
CHARLESTON, WV

JUL 13 1983



FILE NO. 81-336
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION LAMPS RUN ROAD (67C)

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) Chester P. Waterman
 R.P.E. 3788 L.L.S. _____



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



DATE 6/20, 1981
 OPERATOR'S WELL NO. 105-3
 API WELL NO. 47-035-1519-Rev
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

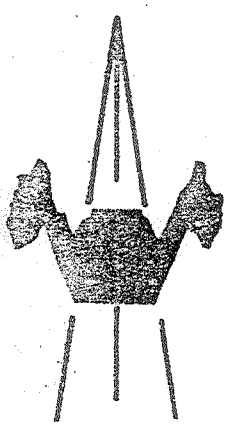
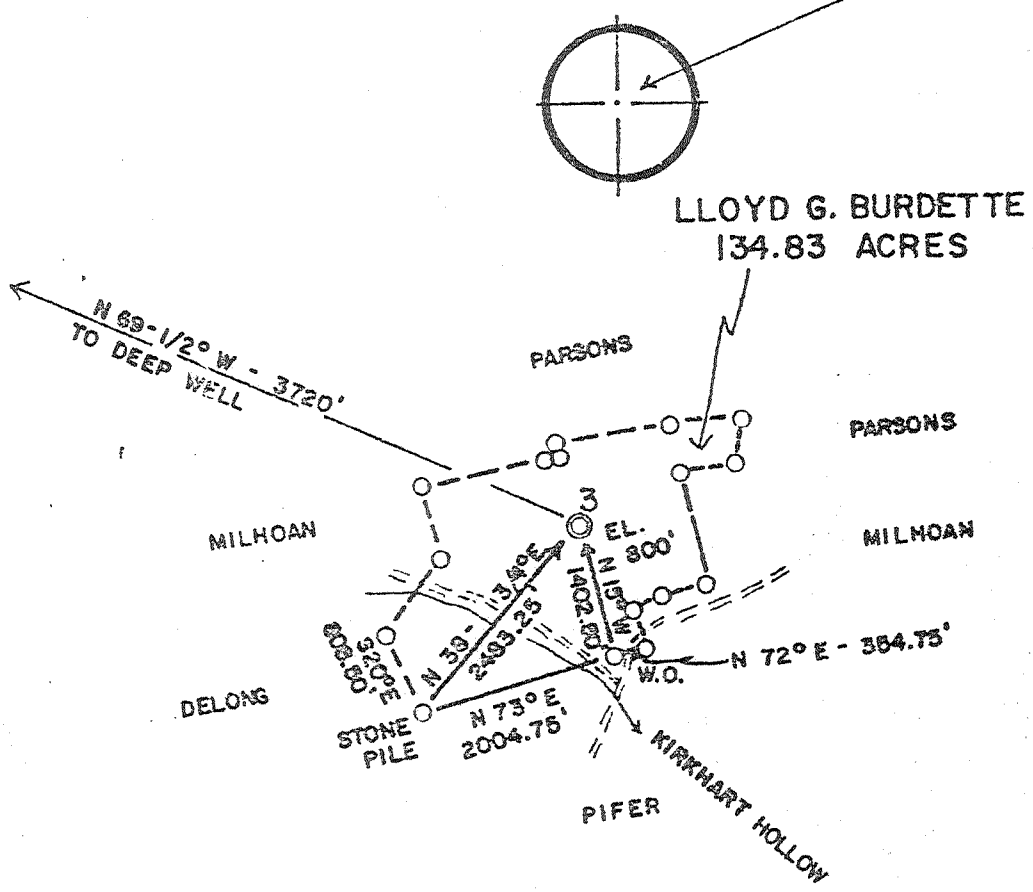
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 800 WATER SHED LAMPS RUN
 DISTRICT GRANT COUNTY JACKSON
 QUADRANGLE POND CREEK 7.5 Belleville 15 SW
 SURFACE OWNER LLOYD G. BURDETTE ACREAGE 134.83
 OIL & GAS ROYALTY OWNER LLOYD G. BURDETTE LEASE ACREAGE 134.83
 LEASE NO. _____
 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 ORISKANY ESTIMATED DEPTH 5000'
 WELL OPERATOR H. D. WELLS O & G DESIGNATED AGENT SAME
 ADDRESS F. C. BOX 1785 ADDRESS G-6
CHARLESTON, W.V. DEEP WELL NEPTUNE 255

JUL 20 1981

Latitude 39° 05'

1.58 MI. S
3.44 MI. W
6339 W

Longitude 81° 40'



ACCURACY: 1' / 200'

Source of Elevation LAMPS RUN ROAD (670')

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.

Chet Waterman

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

Company KRENNERMAN OIL & GAS, INC.
 Address RAVENSWOOD, WV
 Farm LLOYD G. BURDETTE
 Tract Acres 134.83 Lease No. _____
 Well (Farm) No. 3 Serial No. _____
 Elevation (Spirit Level) 800'
 Quadrangle ~~RAVENSWOOD~~ BELLEVILLE 15'SW
 County JACKSON District GRANT
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 78003-645 Drawing No. _____
 Date 12/20/78 Scale 1" = 2000'

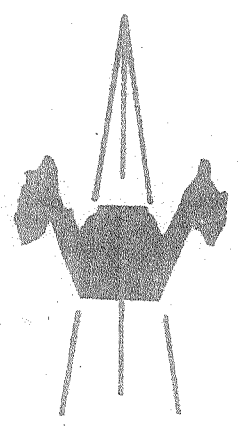
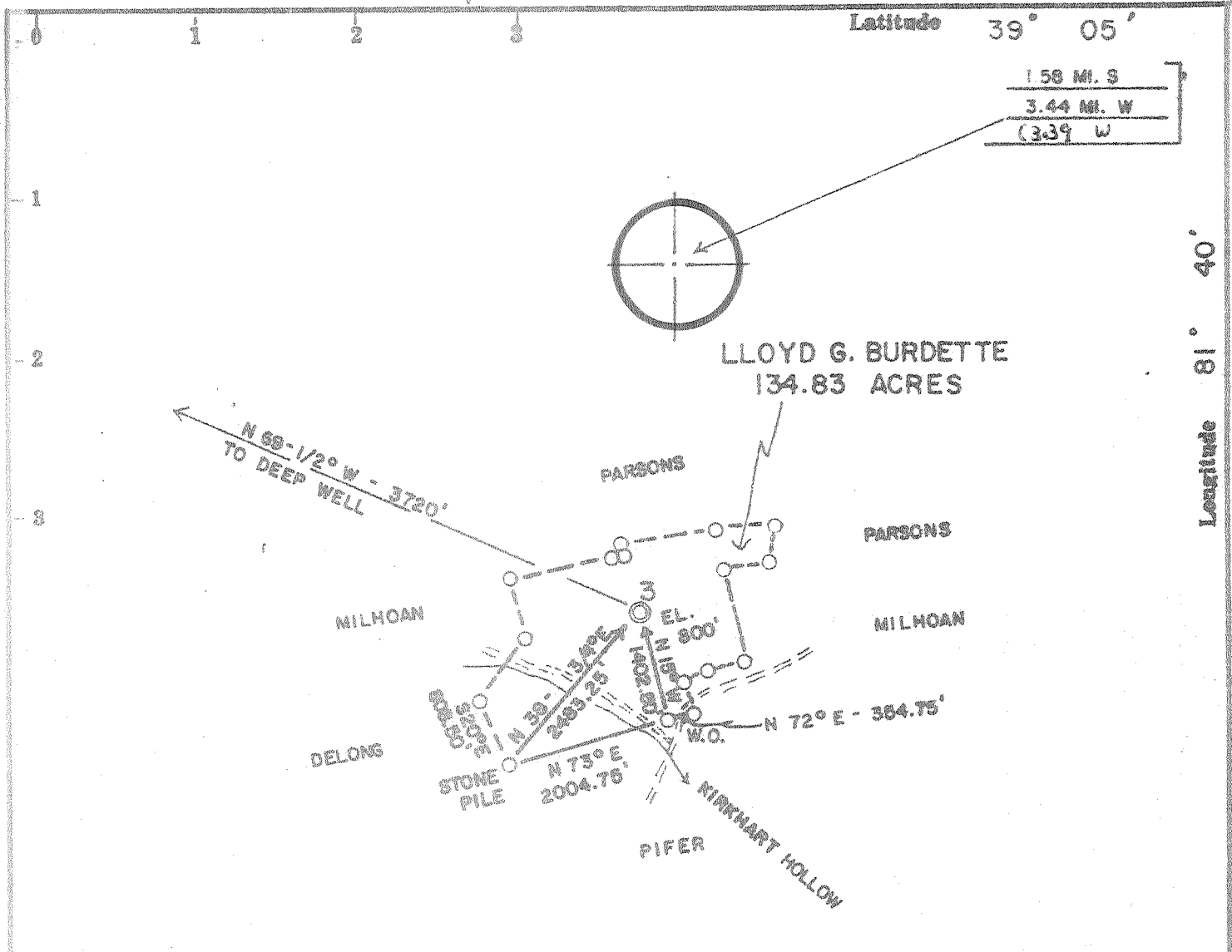
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. 47-035-1519
FORMERLY 47-035-1490

+ 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.

deepwell FEB 13 1980



ACCURACY: 1' / 200'

Source of Elevation LAMPS RUN ROAD (670')

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.

Chet Waterman

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

Company	KRENNERMAN OIL & GAS, INC.
Address	RAVENSWOOD, WV
Farm	LLOYD G. BURDETTE
Tract	Acres 134.83 Lease No.
Well (Farm) No.	3 Serial No.
Elevation (Spirit Level)	800'
Quadrangle	RAVENSWOOD BELLEVILLE 15'SW
County	JACKSON District GRANT
Engineer	CHET WATERMAN
Engineer's Registration No.	3788
File No.	78003-645 Drawing No.
Date	12/20/78 Scale 1" = 2000'

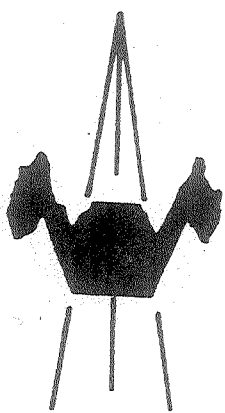
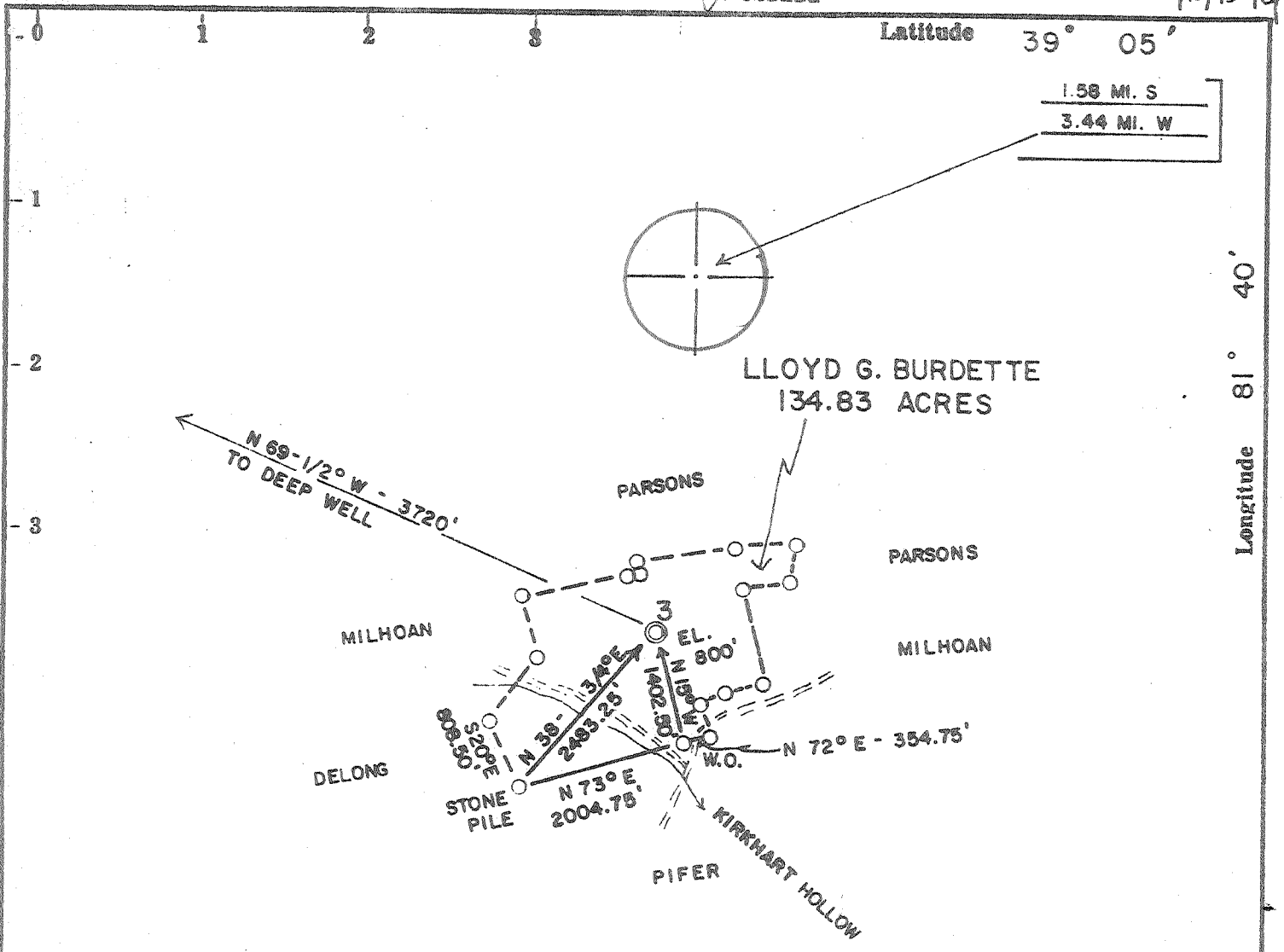
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. **47-035-1519**
FORMERLY 47-035-1490

+ 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.

255



ACCURACY: 1' / 200'

Source of Elevation LAMPS RUN ROAD (670')

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.

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

Chet Waterman

Company	KRENNERMAN OIL & GAS, INC.		
Address	RAVENSWOOD, WV		
Farm	LLOYD G. BURDETTE		
Tract	Acres	134.83	Lease No.
Well (Farm) No.	3	Serial No.	
Elevation (Spirit Level)	800'	SW	
Quadrangle	RAVENSWOOD BELLEVILLE		
County	JACKSON	District	GRANT
Engineer	CHET WATERMAN		
Engineer's Registration No.	3788		
File No.	78003-645	Drawing No.	
Date	12 / 20 / 78	Scale	1" = 2000'

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

WELL LOCATION MAP
FILE NO. **47-035-1490**

Now JAC-1519

+ 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.

APR 10 1979

14500' Criskany

RECEIVED

JAN 13 1982

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Ravenswood
Permit No. 47-035-1519

Company H. D. Wells Oil & Gas Expl & Dev
Address Box 1785, Charleston, WV
Farm L. G. Burdette #1 Acres 800
Location (waters) Lamps Run
Well No. ONE Elev. 800'
District Grant County Jackson
The surface of tract is owned in fee by _____
L. G. Burdette
Address Murraysville, WV
Mineral rights are owned by same
Address _____
Drilling Commenced 9-2-81
Drilling Completed 9-9-81
Initial open flow 300,000 cu. ft. _____ bbls.
Final production 2,500,000 cu. ft. per day _____ bbls.
Well open -24- hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8	286	286	-105 sacks
8 5/8			
7	2095	2095	-110 sacks
5 1/2			
4 1/2		4590	-50 sacks RFC
3			
2 1/2"		4500	
Liners Used			

Well treatment details: Attach copy of cementing record.
800 BBLS of water- clay stabilizer- iron stabilizer- 1,000 gallons
of acid. One million standard cubic feet of nitrogen
80,000 lbs sand

Coal was encountered at none Feet _____ Inches _____
Fresh water -80- Feet _____ Salt Water -1180- Feet _____
Producing Sand Oriskany Depth 4430-4445

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface		s	0	45		
Sand		s	45	80		
Red Rock		s	80	95		
Slate		s	95	110		
Red Rock		s	110	150		
Sand		s	150	187		
Red Rock		s	187	210		
Slate & Shells		s	210	265		
Red Rock		s	265	305		
Slate & Shells		s	305	335		
Red Rock		s	335	350		
Shells		s	350	385		
Sand		s	385	443		
Slate		h	443	487		
Sand		s	487	535		
Slate		h	535	560		
Red Rock		s	560	590		
Slate		h	590	600		
Red Rock		s	600	650		
Slate & Shells		s	650	690		
Red Rock		s	690	770		
Slate		h	770	825		
Sand		s	825	838		
Slate		s	838	845		
Red Rock		s	845	860		

(over)

* Indicates Electric Log tops in the remarks section.

JAN 27 1982

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Slate		s	860	910		
Sand		h	910	945		
Slate		h	945	950		
Sand		s	950	958		
Slate		h	958	975		
Sand		s	975	1040		
Slate		h	1040	1060		
Sand		s	1060	1145		
Slate		h	1145	1164		
Sand		s	1164	1180		
Slate		h	1180	1182		
Sand		s	1182	1228		
Slate		h	1228	1300		
Sand		s	1300	1365		
Slate		h	1365	1410		
Sand		s	1410	1482		
Slate - <i>Penet Case</i>		h	1482	1492		
Lime - <i>Big Lime</i>		h	1492	1538		
Sand - <i>INTUR</i>		s	1538	1555		
Slate & Shells		s	1555	1820		
Lime Shells		h	1820	1825		
Slate		s	1825	1995		
Brown Shale		s	1995	2012		
Slate		h	2012	2170		
Berea Sand		s	2170	2172		*
Slate		h	2172	3205		
Brown Shale		s	3205	3270		
Slate		h	3270	3530		
Brown Shale		s	3530	3660		
Slate		h	3660	4020		
Brown Shale		s	4020	4208		
Slate		s	4208	4290		
Brown Shale		s	4290	4350		
Corniferous Lime		h	4350	4430		*
Oriskany Sand		h	4430	4445		
Lime <i>HELD</i>		h	4445	4591		

Date Jan 6, 1982

APPROVED _____, Owner

By A. D. Williams



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL - 7 1981
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Lloyd G. Burdette
Address Murraysville, WV
Mineral Owner same
Address _____
Coal Owner same
Address _____
Coal Operator None
Address _____

DATE June 24, 1981
Company H. D. Wells Oil & Gas
Exploration & Development Inc.
Address P. O. Box 1785, Charleston, WV
Farm Burdette Acres 136
Location (waters) Lamps Run
Well No. One - 5 - 3 Elevation 800'
District Grant County Jackson
Quadrangle Ravenswood

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 3-10-82.

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 June 16 1981 by Lloyd G. Burdette made to H. D. Wells Oil & Gas and recorded on the 29th day of June 1981 in JACKSON County, Book 161 Page 225
XXXX 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,

(Sign Name) H. D. Wells

Well Operator
H. D. Wells Oil & Gas Exp & Dev Inc.
P. O. Box 1785

Address _____
of _____
Well Operator Charleston
City or Town _____
West Virginia
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.

BLANKET BOND

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XXXXXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Clint Hurt NAME H. D. Wells
 ADDRESS Box 1973 ADDRESS P. O. Box 1785, Chas, WV
 TELEPHONE Midland, Texas TELEPHONE 346-2829
 ESTIMATED DEPTH OF COMPLETED WELL: 4800' ROTARY XXXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS XXX 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			
9 - 5/8	300'	300'	Cement to Surface
8 - 5/8			
7	2300'	2300'	500' Fill up
5 1/2			
4 1/2		4800'	2000' Fill up
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 125 FEET _____ SALT WATER 1200 FEET _____
 APPROXIMATE COAL DEPTHS None _____
 IS COAL BEING MINED IN THE AREA? No 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.

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
Oil and Gas Division

MAR 19 1979
OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Lloyd G. Burdette
Address Murrayville, W. Va.
Mineral Owner Lloyd G. Burdette
Address Murrayville, W. Va.
Coal Owner None
Address None
Coal Operator None
Address None

DATE March 15, 1979
Company Kremerman Oil & Gas
Address 704 Fitzhugh Ravenswood
Farm Lloyd G. Burdette Acres 136
Location (waters) Unmined creek
Well No. 7 Elevation 800
District Grant County Jackson
Quadrangle ~~Ravenswood~~ Belleville

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 11-21-79.

INSPECTOR Richard L. Morris
TO BE NOTIFIED Richard L. Morris
ADDRESS Grantsville, W. Va.
PHONE 354-7259

Robert T. AB
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 Dec 1 1978 by Lloyd Burdette made to Kremerman Oil & Gas and recorded on the 15 day of Dec 1978, in Jackson County, Book 130 Page 559

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:

W. VA. OIL & GAS CONSERVATION COMMISSION
1613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

Address of Well Operator

Very truly yours,
(Sign Name) Joseph P. Kuntzky
Well Operator
704 Fitzhugh St.
Street
Ravenswood
City or Town
W. Va.
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.

BLANKET LOG

47-035-1490 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."

Signed by Joseph P. Kuntzky

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Krennerman Oil & Gas NAME Joe Kren. tsky
 ADDRESS Rivenswood, W. Va. ADDRESS 704 Fitchburg Rivenswood
 TELEPHONE 273 2798 TELEPHONE 273 2798
 ESTIMATED DEPTH OF COMPLETED WELL: 4500 ROTARY _____ CABLE TOOLS X
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS X 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			
<u>(13) 10</u>	<u>20</u>		
<u>(9) 5/8</u>		<u>700</u>	<u>250 sacks</u>
<u>(8) 5/8</u>	<u>1200</u>		<u>circulate to surface</u>
<u>(7)</u>	<u>1700</u>		
5 1/2			
4 1/2		<u>4500</u>	
3			Perf. Top
2			Perf. Bottom
Liners		<u>4500</u>	Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET 300 SALT WATER 700 FEET 950
 APPROXIMATE COAL DEPTHS none
 IS COAL BEING MINED IN THE AREA? none 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.

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

Oil and Gas Division

15
JAN 17 1980
OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Lloyd G. Burdette
Address MURRAYSVILLE, W. Va.
Mineral Owner Lloyd G. Burdette
Address MURRAYSVILLE, W. Va.
Coal Owner None
Address None
Coal Operator None
Address None

DATE January 15, 1979
Company Krennerman Oil & Gas
Address 704 Fitzhugh St; Ravenswood
Farm Lloyd G. Burdette Acres 13.6
Location (waters) unnamed creek
Well No. 3 Elevation 800
District Grant County Jackson
Quadrangle Belleville

THIS PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22,
the W. Va. Code, the location is hereby approved
drilling. This permit shall expire if
operations have not commenced by 9-21-80.

INSPECTOR
TO BE NOTIFIED Richard Moore
ADDRESS Wintersville, W. Va. 1st.
PHONE 354-7250

Robert P. Kintzberg
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 Dec. 1 19 79 by Lloyd Burdette made to Krennerman Oil & Gas and recorded on the 15 day of Dec. 19 78, in JACKSON County, Book 150 Page 559
 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,
(Sign Name) Joseph P. Kintzberg
Well Operator
704 Fitzhugh St.
Street
Ravenswood
City or Town
W. Va.
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.

(Formerly: 035-1490)

47-035-1519

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."

Signed by Joseph P. Kintzberg
BLANKET SIGNATURE

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Krennerman Oil & Gas NAME Joe Krenitzky
 ADDRESS Riverswood, W Va. ADDRESS 704 Fitzhugh, Riverswood
 TELEPHONE 273 2798 TELEPHONE 273 2798
 ESTIMATED DEPTH OF COMPLETED WELL: 4500 ROTARY _____ CABLE TOOLS X
 PROPOSED GEOLOGICAL FORMATION: Criskany
 TYPE OF WELL: OIL _____ GAS X 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	20'		
9 5/8		700	250 SACKS
8 5/8	1200		circulate to surface
7	1700		
5 1/2			
4 1/2		4500	
3			Perf. Top
2		4500	Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET 300 SALT WATER 700 FEET 950
 APPROXIMATE COAL DEPTHS 1200
 IS COAL BEING MINED IN THE AREA? NO 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.

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For Coal Company

Official Title

RECEIVED
WV Division of
Environmental Protection
JUL 14 1993
Morgantown

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: BURDETTE, LLOYD G. Operator Well No.: BURDETTE #1
LOCATION: Elevation: 800.00 Quadrangle: POND CREEK
District: GRANT County: JACKSON
Latitude: 8220 Feet South of 39 Deg. 5 Min. Sec.
Longitude 5880 Feet West of 81 Deg. 42 Min. 30 Sec.
Well Type: OIL _____ GAS X
Company: H.D. Wells Oil & Gas Coal Operator None
P.O. Box 1785 or Owner _____
Chas. W. 25324
Agent: H.D. Wells Coal Operator None
or Owner _____
Permit Issued: 07/12/93

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of JAC. ss: MTA Well Service
H.D. Wells and Kenny Arnold being
first duly sworn according to law depose and say that they are experienced
in the work of plugging and filling oil and gas wells and were employed by
the above named well operator, and participated in the work of plugging
and filling the above well, and Glenn Robinson Oil and
Gas Inspector representing the Director, say that said work was
commenced on the 5th day of July, 1994, and that
the well was plugged and filled in the following manner:

8 SACS TYPE	FROM	TO	PIPE REMOVED	LEFT
<u> cement 100' Plug</u>	<u>4350</u>	<u>4450</u>		
<u> Gel Hole -</u>	<u>4350</u>	<u>2107</u>	<u>cut 2,000 Ft</u>	<u>2,455</u>
<u>100' Plug at cut</u>	<u>2100</u>	<u>2007</u>		
<u> Gel Hole 2 3/4"</u>	<u>2814</u>	<u>314</u>	<u>307 7" casing</u>	<u>1800'</u>
<u> Set 100' Plug</u>	<u>317</u>	<u>200</u>		
<u> Set 100' Plug</u>	<u>100'</u>	<u>surface</u>		<u>95/8-28</u>
<u> monument 4'</u>	<u>8 FT</u>	<u>surface</u>		

Description of monument: 4' of 7" casing above + 4" below
and that the work of plugging and filling said well was completed on
the 6th day of July, 1994.

And further deponents saith not. H.D. Wells

Sworn and subscribe before me this 5th day of July, 1994
My commission expires: Nov. 20, 1995

Karen Gray Jones
Notary Public
7/19/94
Glenn P. Robinson
Oil and Gas Inspector

JUL 25 1994