



Fracture	
Before 6/5/29	<input type="checkbox"/>
New Location	<input checked="" type="checkbox"/>
Drill Deeper	<input type="checkbox"/>
Redrill	<input type="checkbox"/>
Abandonment	<input type="checkbox"/>

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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

Company PATRICK PETROLEUM CORP.

Address CHARLESTON, W.VA.

Farm E. L. STEWART STEWART

Tract 1 Acres 50.25 Lease No WV-17-0000

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 1027.82'

Quadrangle PHILIPPI, W.VA. NW

County HARRISON District ELK

Surveyor Jarrel A. Clendinning

Surveyor's Registration No. 259

File No. OK-3-PG-151 Drawing No. _____

Date JAN. 13, 1973 Scale 1" = 300'

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

WELL LOCATION MAP
FILE NO. HAT-648

+ 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.



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS
DEPARTMENT

Oil and Gas Division
WELL RECORD

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

Quadrangle PHILLIPI
Permit No. 4AR-648

Company PATRICK PETROLEUM CORPORATION
Address Suite 901 Nelson Building
Farm E. L. Stewart Acres 50.25
Location (waters) Elk Creek
Well No. 1 Elev. 1036 KB
District Elk County Harrison
The surface of tract is owned in fee by E. L. Stewart
Address Bridgeport, West Virginia
Mineral rights are owned by Same
Address _____
Drilling Commenced 1-17-73
Drilling Completed 1-26-73
Initial open flow 23,000 cu. ft. _____ bbls.
Final production 386,000 cu. ft. per day _____ bbls.
Well open 4 1/2 hrs. before test 1600 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size <u>8 1/2</u>	<u>28'</u>	<u>28'</u>	<u>8 Sks.</u>
Cond. <u>13-10"</u>			
<u>8 5/8</u> <u>113/4</u>	<u>400'</u>	<u>400'</u>	<u>220 Sks</u>
<u>7</u>	<u>1857'</u>	<u>800'</u>	<u>100 Sks</u>
<u>5 1/2</u>			
<u>4 1/2</u>		<u>4374'</u>	<u>170 4 1/2</u>
<u>3</u>			
<u>2</u>			
Liners Used			

Well treatment details: 40,000 lb. 20/40 Sand, 750 bbls. of 15% Acid 585 bbls of Treating Fluid.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Benson Depth 4245 top, bottom 4253 Perf.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay	Brown	Soft	0	20		SS @4A7-1/4
Shale	Gray	Soft	20	26		
Sand	Light	Hard	26	50		
Shale	Red	Soft	50	82	Fresh 50'	SS @ 1332-0
Sand	White	Hard	82			
Sd & Sh.	Grey		128	200		
Red Rock	Red	Med	200	226		
Sand	Grey	Hard	226	418		
Shale	Grey	Soft	418	738		
Sand	Light	Hard	738	890	Water	770
Shale		Soft	890	963		
Sand	White	Hard	963	1023		
Shale	Grey	Soft	1023	1084		
Shale	Red	Med	1084	1151		
Sand	Light	Hard	1151	1182		
Shale	Grey	Soft	1182	1200		
Sand		Hard	1200	1255		
Red Rock	Red	Med	1250	1358		
Big Lime		Hard	1358	1437		
Sand	Grey	Hard	1437	1615		SS @ 2720-1 ^o
Sand & Shale	Light	Hard	1615	1654		
Shale	Grey	Soft	1654	1787		

(over)

* Indicates Electric Log tops in the remarks section.

AUG 9 1973

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand	Light	Hard	1787	1972		
Sd & Shle	Broken Light	Soft	1972	2705		SS @ 3600-1 ^o
Sand & Shale	Grey	Hard	2705	4251		
<u>Benson</u>	Brown	Hard	4251	4258		
Sd & Sh	Grey	Med	4258	4396'	T.D.	

Date _____, 19____

APPROVED _____, Owner

By _____
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Philippi

Permit No. HAR-648

Company PATRICK PETROLEUM CORPORATION
Address Suite 901 Nelson Building
Charleston, West Virginia
Farm E. L. Stuart Acres 50.25

Location (waters) Elk Creek
Well No. One (1) Elev. 1027.82'
District Elk County Harrison

The surface of tract is owned in fee by E. L. Stuart

Address Bridgeport, W. Va.
Mineral rights are owned by Same
Address _____

Drilling Commenced 1-17-73
Drilling Completed 1-26-73
Initial open flow 23,000 cu. ft. _____ bbls.
Final production 400,000 cu. ft. per day _____ bbls.
Well open 8 hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			16" - 15 Sks.
Cond. 16"	28'	28'	
3 1/2"	400'	400'	11-3/4" - 220 Sks.
9 5/8"			
8 5/8"	1857'	-800'	8" -150 sks.
7"			
5 1/2"			
4 1/2"	4374'	4374'	4-1/2" -150 sks.
3"			
2"			
Liners Used			

Well treatment details:

Attach copy of cementing record.

40,000# 20-40 Frac Sand, 750 bbl. 15% acid, 585 bbls. treating fluid
Halliburton

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

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	20		
Shale			20	26		
Sand			26	50		
Shale			50	82		
Sand			82	128		
Sand & Shale			128	200		
Red Rock			200	226		
Sand			226	418		
Shale			418	738		
Sand			738	890		
Shale			890	963		
Sand			963	1023		
Shale			1023	1084		
Shale			1084	1151		
Sand			1151	1182		
Shale			1182	1200		
Sand			1200	1255		
Red Rock			1255	1358		
Big Lime			1358	1437		
Sand			1437	1615		
Sand & Shale			1615	1654		
Sand			1654	1787		
Shale			1787	1972		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet ³	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			1972	2705		
Sand			2705	4251		
<u>Benson</u>			4251	<u>4258</u>		
Sand & Shale			4258	4396	TD	perf: 4245-53

Date March 20, 19 73

APPROVED PATRICK PETROLEUM CORPORATION, Owner

By Ronald C. Seymour
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JAN 16 1973

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE JANUARY 15, 1973

Surface Owner E. L. Stewart
Address Bridgeport, West Virginia
Mineral Owner Same
Address _____
Coal Owner No Coal
Address _____
Coal Operator No Coal
Address _____

Company PATRICK PETROLEUM CORPORATION
Address Suite 901 Nelson Building
Charleston, W. Va. 25301
Farm E. L. STEWART #1 Acres 50.25
Location (waters) Elk Creek
Well No. One (1) Elevation 1027.82'
District Elk County Harrison
Quadrangle Phillipi

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 5-16-73

INSPECTOR TO BE NOTIFIED Mr. Wm. Blasse
Box 1857 PH: Fairmount
Calfax, 363-9105
W.Va. 26566

Robert L. Todd
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 March 3, 1964 by E. L. Stewart Consolidated Gas Co. made to _____ and recorded on the 9th day of of March, 1964 in _____ County, Book 890 Page 113
 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, PATRICK PETROLEUM CORPORATION
Donald C. Superior
(Sign Name) _____
Well Operator

Address
of
Well Operator

Suite 901 Nelson Building
Street
Charleston, W. Va. 25301
City or Town
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

HAR-648

PERMIT NUMBER

Survey

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 BM&S Drilling Company NAME Donald C. Supcoe
 ADDRESS Canton, Ohio ADDRESS 901 Nelson Building
 TELEPHONE 216 269-9701 TELEPHONE Charleston, W. Va. 344-9864
 ESTIMATED DEPTH OF COMPLETED WELL: 4800' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 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.
X 16 "	1 Joint	same	50 cu. ft.
X 11-3/4"	350'	350'	160 cu. ft.
9 - 5/8			
8 - 5/8	1900'	1900'	100 cu. ft.
7			
5 1/2			
4 1/2	To be determined by logs.		
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 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