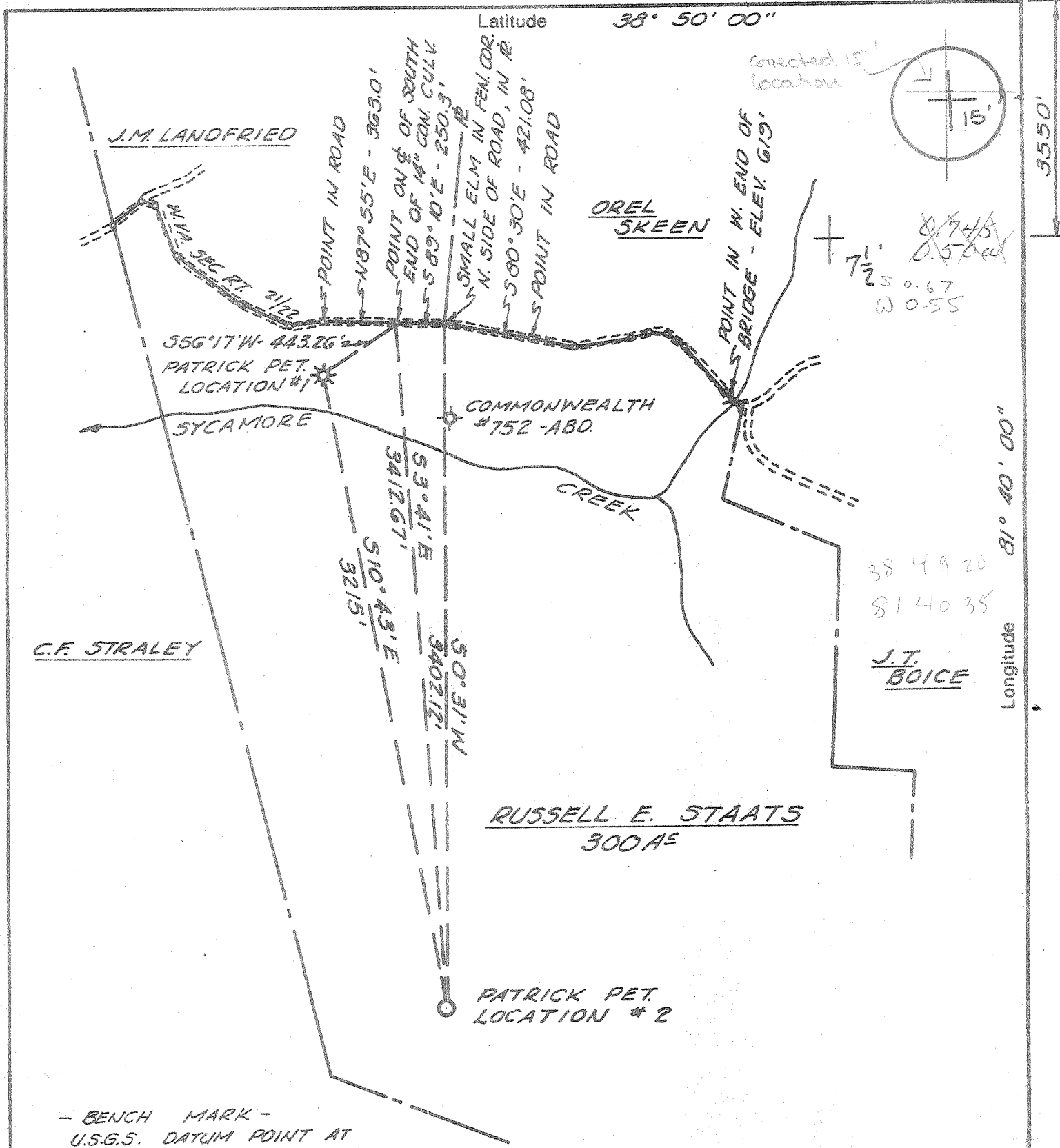
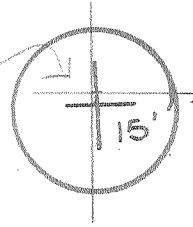


no quad

2900'

Latitude 38° 50' 00"

3550'



Corrected 15' location
7 1/2' S 0.67
W 0.55

38 49 20
81 40 35

Longitude 81° 40' 00"

- BENCH MARK -
U.S.G.S. DATUM POINT AT
WEST END OF STEEL BRIDGE
ON RT. 21/22 - ELEV. 619.0'

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

"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 the rules and regulations of the oil and gas section of the mining laws of WEST VIRGINIA. Minimum degree of accuracy is one part in 200

SURVEYOR'S REG. NO. 259 Signed *Jarvis A. Clendenen*

PATRICK PETROLEUM CORP.
 Company _____
 Address 414 PEOPLES BLDG., CHAS., W. VA.
 Farm RUSSELL E. STAATS
 Lease _____ Acres 300
 Well Farm No. 2 Ser. No. _____
 Elevation - Spirit Level 720.41'
 Quadrangle RIPLEY 7 1/2' 15' SW
 Township or District RIPLEY
 County JACKSON
 Sec., Lot, Qr. _____ T _____ R _____
 Coordinates _____
 File No. 1-67 Dwg. No. _____
 Date NOV. 8, 1978 Scale 1" = 660'

WELL LOCATION MAP
STATE OF WEST VIRGINIA

(+) Denotes Values Of Well On United States Topographic Maps

47-035-1517

Scale 15' 7 1/2'

AUG 13 1979



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

RECEIVED
JAN 10 1980

JAN 9 1980

OIL & GAS DIVISION

DEPT. OF MINES

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

Quadrangle Ripley 7 1/2
Permit No. 035-1517

Company <u>Patrick Petroleum Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>414 Peoples Bldg., Chas., WV</u>	Size			
Farm <u>Russell E. Staats</u> Acres _____	20-16			
Location (waters) <u>Sycamore Creek</u>	Cond.			
Well No. <u>2</u> Elev. <u>720</u>	22 1/2 11 3/4	203	203	125 sx.
District <u>Ripley</u> County <u>Jackson</u>	9 5/8			
The surface of tract is owned in fee by <u>Russell E. Staats</u>	8 5/8	2465	2465	150 sx.
Address <u>1561 main Street, Ripley, WV 25278</u>	7			
Mineral rights are owned by <u>same</u>	5 1/2			
Address _____	4 1/2	5128	5128	165 sx.
Drilling Commenced <u>9/7/79</u>	3			
Drilling Completed <u>9/23/79</u>	2			
Initial open flow <u>662</u> cu. ft. <u>0</u> bbls.	Liners Used			
Final production <u>4,379</u> cu. ft. per day <u>0</u> bbls.				
Well open <u>24</u> hrs. before test <u>1200</u> RP.				

Well treatment details:

Attach copy of cementing record.

Frac Oriskany Sand

Cross link gel - broke down @ 1700 Psi w/500 gal. 15% HCl. Max treating 4200-ave. 4100-ave. bbl pr. min. 25.-Ran 30,000 80/100 sand - max 4 lbs. pr. gal. Ran 45,000 20/40 sand - max 4 lbs. pr gal. Ran 750 bbl sand laden fluid. Instant SI 3500 - 5 min. 2400

Coal was encountered at none Feet _____ Inches _____
Fresh water none Feet _____ Salt Water none Feet _____
Producing Sand Oriskany Depth 4974-4986

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sur. foil			0	210		
Sand and shale			210	1033		
Sand			1033	1779		
Big Lime			1779	1902		
Injun			1902	1982		
Sand and shale			1982	2355		
Shale			2355	2412		
Berea Sand			2404	2412		
Shale			2412	4846		
Corniferios Limp			4846	4974		
Oriskany			4974	4986		
Sandy shale			4986	5772		
Newburg			5772	5780		
Sand and shale			5780	5925		
						T.D.
WELL PLUGGED BACK AS FOLLOWS:						
			5925	5800	6% Gal.	
			5800	5600	Cement	
			5600	5300	6% Gel.	
			5300	5200	Cement	

5925
4986
939 EXPLFT.

* Indicates Electric Log tops in the remarks section.

FEB 13 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL 16 1979

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE 7/16/79

Surface Owner Russell E. Staats
Address 5061 Main St., Ripley, WV 25271
Mineral Owner Russell E. Staats
Address Same
Coal Owner no coal
Address _____
Coal Operator no operations
Address _____

Company Patrick Petroleum Co.
Address 414 Peoples Bldg., Chas., WV 25301
Farm Russell E. Staats Acres 300
Location (waters) Sycamore Creek
Well No. 2 Elevation 720
District Ripley County Jackson
Quadrangle Ripley 7 1/2"

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 4-6-80

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

Robert E. Staats
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 6th Dec. 1972 by Russell E. Staats made to Patrick Petroleum Co. and recorded on the 8th day of Dec. 1972, in Jackson County, Book 701 Page 26

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 Co.
(Sign Name) W.F. Shockey
Well Operator

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

Address of Well Operator
414 Peoples Bldg., Street
Charleston City or Town
West Virginia 25301 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 DRILL DEEPEN FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME unknown at this time NAME Patrick Petroleum Co.
 ADDRESS _____ ADDRESS 414 Pepples Bldg., Chas., WV
 TELEPHONE _____ TELEPHONE 304-346-9641
 ESTIMATED DEPTH OF COMPLETED WELL: 5800 ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Newburg
 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			
11 3/4	200	200	To surface
9 - 5/8			
8 - 5/8	2400	2400	100 sx
7			
5 1/2			
4 1/2	5800	5800	250 sx.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 110,175 FEET SALT WATER 1900 FEET

APPROXIMATE COAL DEPTHS no coal

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