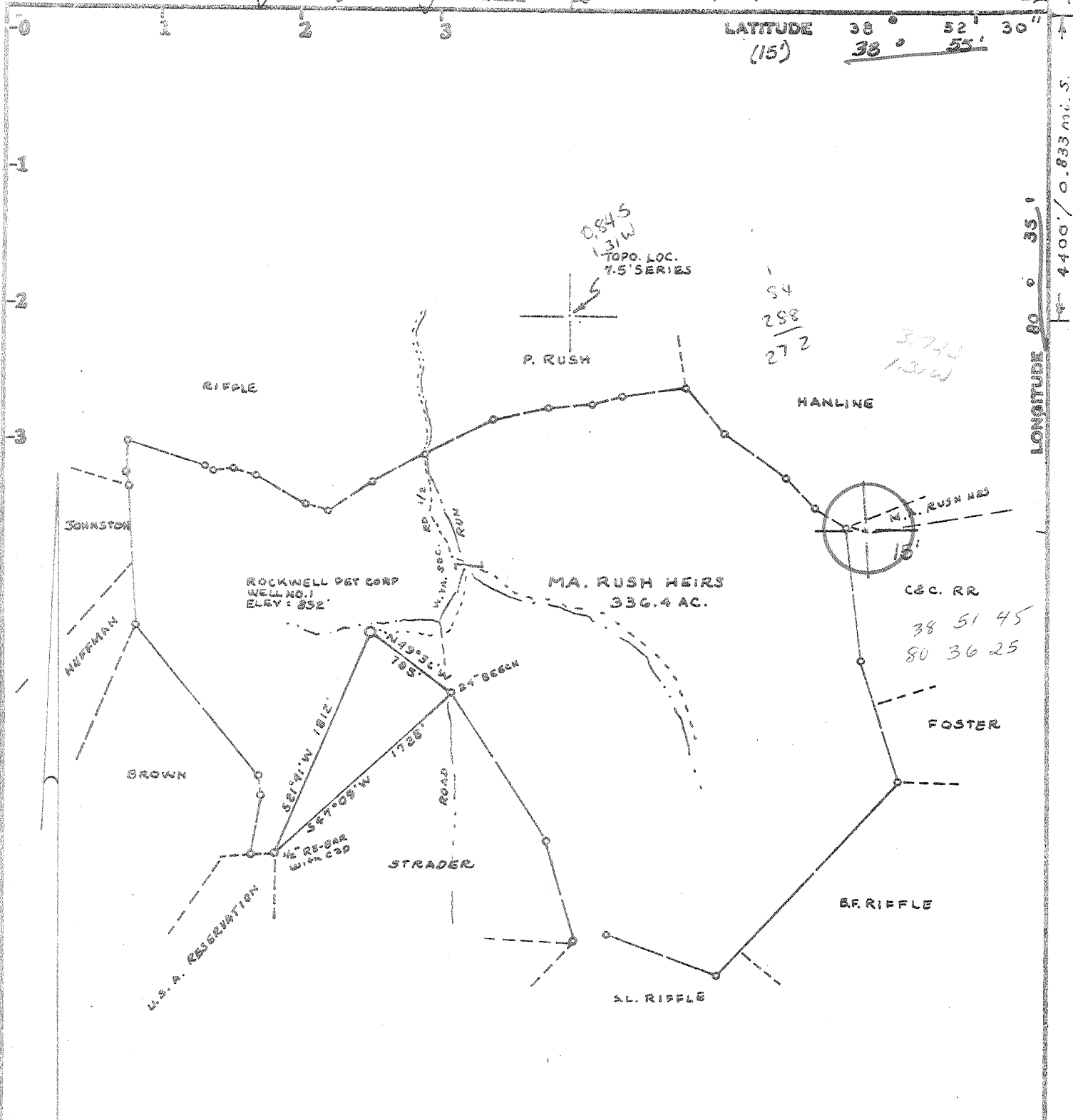


LATITUDE 38° 52' 30" (15') 38° 55'

LONGITUDE 80° 35' 4400' 0.833 mi. S.



Minimum Error of Closure ONE PART IN 200

Source of Elevation B.M. NORTH 2200' FROM LOCATION

SOUTH SIDE OF OIL CREEK ROAD ELEV = 776'

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.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: mark c. eckard  
 Squares: N S E W

Company ROCKWELL PETROLEUM COMPANY  
 Address P.O. BOX 26, SAND FORK, W.VA. 26430  
 Farm M.A. RUSH HEIRS  
 Tract \_\_\_\_\_ Acres 336.4 Lease No. \_\_\_\_\_  
 Well (Farm) No. ONE Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 832' C  
 Quadrangle ORLANDO 7.5', Furnessville 15  
 County BRAXTON District SALT LICK  
 Surveyor MARK C. ECKARD  
 Surveyor's Registration No. 490  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date SEPTEMBER 9, 1975 Scale 1" = 100'

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

**WELL LOCATION MAP**  
 FILE NO. BRAX-1358

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000, latitude and longitude lines being represented by border lines as shown.  
 — Denotes one inch spaces on border line of original tracing. 27-007



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

WELL RECORD //

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

Quadrangle Orlando 7.5'

Permit No. Brax-1358

47-007

Company Rockwell Petroleum Company  
Address P.O. Box 86, Sand Fork, WV 26430  
Farm M. A. Rush Heirs Acres 336.4  
Location (waters) Road Run of Oil Creek  
Well No. One Elev. 832'  
District Salt Lick County Braxton  
The surface of tract is owned in fee by \_\_\_\_\_  
M. A. Rush Heirs  
Address P.O. Box 201, Weston, WV 26452  
Mineral rights are owned by M. A. Rush Heirs  
\_\_\_\_\_ Address Box 201, Weston, WV 26452  
Drilling Commenced September 26, 1978  
Drilling Completed January 4, 1979  
Initial open flow 50,000 cu. ft. 0 bbls.  
Final production 2,680 cu. ft. per day 0 bbls.  
Well open 5 hrs. before test 988 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"	218	218	To surface
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2		3242'	225 sks Pozz
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Fractured January 4, 1979  
Balltown-30,000 lbs. 20/40 sand Speechley-30,000 lb. 20/40 sand Gordon & Fifth-  
534 Bls water 690 Bls water 30,000 lb. 20/40 sand  
injection rate-30 BPM at 1743 lb. injection rate 34 BPM at 1600 580 Bls water  
1800 lb. breakdown 900 lb. breakdown inj. rate 34 BPM at 1800  
2200 lb. breakdown

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water 94 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Gordon, Fifth, Bayard, Speechley, Balltown Depth 2150-3223

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	95		
Shale			95	185		
Slate			185	205		
Shale			205	510		
Red Rock			510	554		
Shale			554	804		
Red Rock			804	900		
Shale			900	1150		
Sand			1150	1210		
Shale			1210	1250		
Sand			1250	1270		
Shale			1270	1350		
Sandy Shale			1350	1470		
Slate			1470	1510		
Lime			1510	1540		
Slate			1540	1560		
Lime			1560	1615		
Dolomite			1615	1770	Show gas 1630	
Shale			1770	1865		
Sandy Shale			1865	1890		
Shale			1890	2060		
Sand			2060	2080		
Shale			2080	2135		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet <i>1/</i>	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			2135	2200		
Shale			2200	2250		
Sand			2250	2270		
Shale			2270	2370		
Sand			2370	2385		
Shale			2385	2520		
Sandy Shale			2520	2550		
Shale			2550	2705		
Sandy Shale			2705	2825		
Shale			2825	2930		
<u>Sandy Shale</u> <i>BALLTOWN</i>			2930	3251		
Total Depth			3251			

Date January 17 1979

APPROVED

*Robert R. Jones*  
Robert R. Jones

Owner

By

Partner

(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

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OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE September 20, 1978

Surface Owner M. A. Rush Heirs  
Address P.O. Box 201, Weston, WV 26452  
Mineral Owner M. A. Rush Heirs  
Address P.O. Box 201, Weston, WV 26452  
Coal Owner None  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

Company Rockwell Petroleum Co.  
Address P.O. Box 86, Sand Fork, WV 26430  
Farm M. A. Rush Heirs Acres 336.4  
Location (waters) Road Run of Oil Creek  
Well No. One Elevation 832'  
District Salt Lick County Braxton  
Quadrangle Orlando 7.5

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 1-21-79

INSPECTOR Robert Bates  
TO BE NOTIFIED

ADDRESS Weston, W. Va.

PHONE 269-3820

Robert Bates  
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 February 9 1978 by M. A. Rush Heirs made to Rockwell Petroleum and recorded on the 15th day of June 1978, in Braxton County, Book 366 Page 172

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

Address  
of  
Well Operator

P.O. Box 86  
Street  
Sand Fork  
City, or Town  
West Virginia 26430  
State

Very truly yours,

(Sign Name) [Signature]  
Well Operator

\*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.

BRAX-1358 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-5 and will carry out the specified requirements."

Signed by [Signature]

47-007

BLANKET BOND

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 Jerry Robinson Drilling NAME Robert R. Jones  
 ADDRESS Tanner, WV ADDRESS P.O. Box 86, Sand Fork, WV 26430  
 TELEPHONE 462-8848 TELEPHONE 462-7389  
 ESTIMATED DEPTH OF COMPLETED WELL: 1900' ROTARY \_\_\_\_\_ CABLE TOOLS X  
 PROPOSED GEOLOGICAL FORMATION: Big Injun  
 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	200'	200'	
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2		1900'	110 sks Pozz
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 65' FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ 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