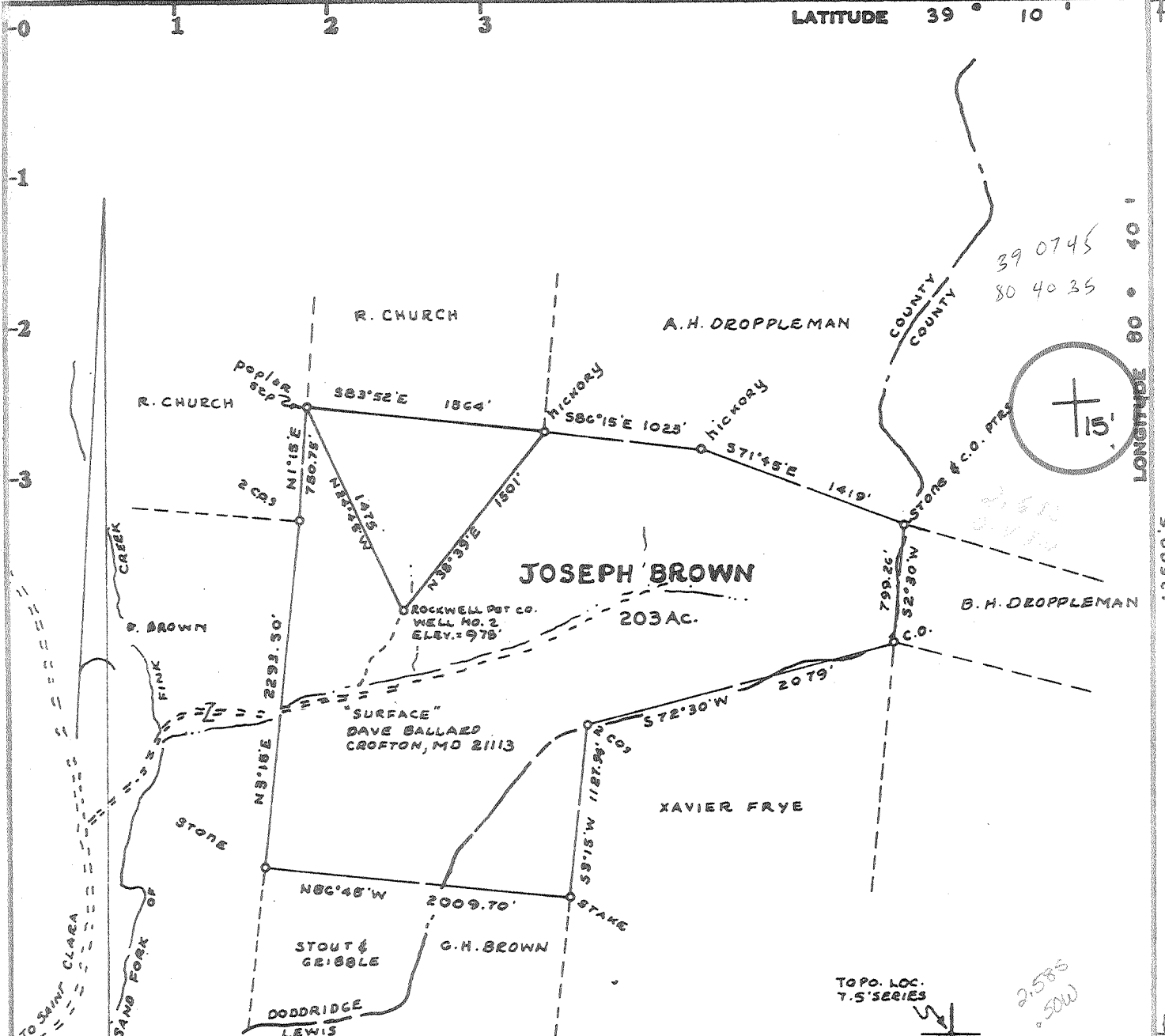


LATITUDE 39° 10'



OIL & GAS ROYALTY OWNERS
 COX HEIRS
 % IRENE LYDON
 WESTON, W.VA.

DESIGNATED AGENT -
 MR. ROBERT R. JONES
 P.O. BOX 86
 SAND FORK, W.VA. 26430

Minimum Error of Closure ONE PART IN 200'

Source of Elevation USGS SPOT ELEVATION AT JUNCTION OF ROADS

1900' SW OF LOCATION - ELEVATION = 859'

Fracture..... GAS-DRILL-SHALLOW
 New Location..... DEVONIAN SHALE-
 EST DEPTH- 3400'
 Drill Deeper.....
 Abandonment.....

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.

Signed: Mark C. Echard
 Squares: N S E W

Map No.

WELL OPERATOR/
 Company ROCKWELL PETROLEUM COMPANY

Address P.O. BOX 86 SAND FORK, WVA 26430
 Farm COX HR. DAVE BALLARD
JOSEPH BROWN

Tract _____ Acres 203 Lease No. _____

Well (Farm) No. TWO Serial No. _____

Elevation (Spirit Level) 978'

Quadrangle NEW MILTON 15' 7.5' WC

County DODDRIDGE District COVE

Surveyor MARK C. ECHARD

Surveyor's Registration No. 490

File No. _____ Drawing No. _____

Date OCTOBER 1, 1979 Scale 1" = 1000'

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

WELL LOCATION MAP

FILE NO. 47-017-2494

+ 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.

OCT 22 1979

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

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

Date November 1, 1979

FORM IV-35
(Obverse)

Operator's
Well No. Joe Brown #2

[08-78]

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

API Well No. 47 - 017 - 2434
State County Permit

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 978' Watershed: Sand Fork
District: Cove County: Doddridge Quadrangle: New Milton

WELL OPERATOR Rockwell Petroleum Company DESIGNATED AGENT Robert R. Jones
Address P O Box 86 Address P O Box 86
Sand Fork, WV 26430 Sand Fork, WV 26430

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

PERMIT ISSUED ON October 4, 19 79 OIL & GAS INSPECTOR FOR THIS WORK:

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____
Name Paul Garrett
Address Clarksburg, WV 26301
622-3871

GEOLOGICAL TARGET FORMATION: Devonian Shale Depth _____ feet
Depth of completed well, 5333 feet Rotary / Cable Tools _____
Water strata depth: Fresh, 108 feet; salt, _____ feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced October 8, 19 79, and completed October 12, 19 79

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor									Minds
Fresh water	8 5/8					1202	1202	320 sks	
Gal									Sizes
Intermediate									
Production	4 1/2						4904	495 sks	Depth set
Tubing									
Packers									Perforations: Top Bottom

OIL & GAS DIVISION
DEPT. OF MINES

OPEN FLOW DATA

Producing formation _____ Pay zone depth _____ feet
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 measurement) after _____ hours shut in
[If applicable due to multiple completion--]
Second producing formation Benson Pay zone depth 4844.5 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 1318 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 6 hours
Static rock pressure, 1820 psig (surface measurement) after 48 hours shut in

NOV 28 1979

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

October 25, 1979

Benson - 20,000 lb. 80/100 sand
40,000 lb. 20/40 sand
615 bls. water
2800 lb. breakdown
injection rate - 20 BPM at 2100 lb.

Perforations - 4841.5, 4842, 4842.5, 4843, 4843.5, 4844, 4844.5, 1 hole each

WELL LOG

FORMATION	Color	Hard or Soft	7 Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Surface			0	88	
Slate			88	108	
Sand			108	111	Water
Shale			111	210	
Slate			210	410	
Red Rock			410	428	
Shale			428	620	
Sand			620	680	
Slate			680	710	
Red Rock			710	801	
Shale			801	1104	
Sand			1104	1180	
Shale			1180	1422	
Sand			1422	1481	
Shale			1481	1960	
Lime			1960	1964	
Sandy Slate			1964	1990	
Lime			1990	2030	
Shale			2030	2204	
Sandy Shale			2204	2270	
Shale			2270	2380	
Sand			2380	2408	
Shale			2408	4730	
Sandy Shale			4730	4750	Show of gas
Shale			4750	4836	
<u>Sandy Shale</u> <i>BENSON</i>			4836	4854	Show of gas
Shale			4854	5333	
Total Depth			5333		

(Attach separate sheets to complete as necessary.)

Rockwell Petroleum Company
Well Operator

By Mark S. [Signature]

Its Partner

NOTE: Regulation 2.02(i) provides as follows:

"The term shall mean a systematic, recorded geological record of all formations, including coal, encountered in the drilling of a well."

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Union Drilling, Inc.

Address Drawer 40
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Devonian Shale

Estimated depth of completed well, 5400' feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 151' feet; salt, feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	8 5/8					1150'	1150'	To surface
Coal								Sizes
Intermediate								
Production	4 1/2						5400'	150 sks
Tubing								Depths set
Liners								Perforations:
								Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is the part of the work for which a permit is sought and is noted as such on Form IV-2 filed in connection therewith.

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 6-5-80

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By
Its