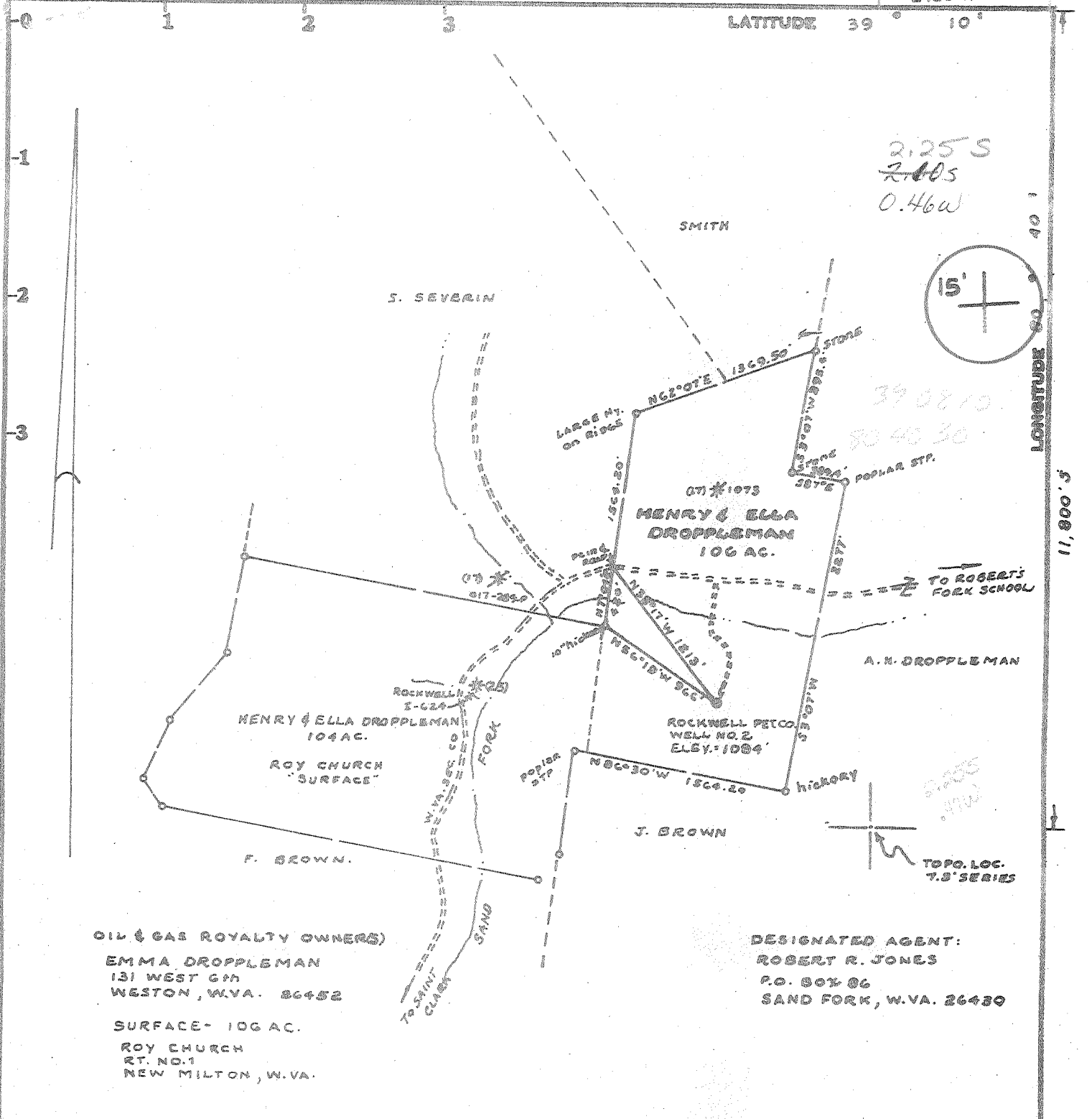


PLANNED BY MARK C. ECHARD USA 2480 W 7/15/79



OIL & GAS ROYALTY OWNERS)
 EMMA DROPPLEMAN
 131 WEST CH
 WESTON, W.VA. 26452
 SURFACE - 106 AC.
 ROY CHURCH
 RT. NO. 1
 NEW MILTON, W.VA.

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

Minimum Error of Closure ONE PART IN 300'
 Source of Elevation U.S. G.S. B.M. 10 FIELD 870'S NORTH OF LOC.
80 SOUTH SIDE ROAD ELEVATION = 941'

Fracture.....
 New Location..... GAS-DRILL-SHALLOW
DEVONIAN SHALE
EST. DEPTH 3500'
 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 HENRY & ELLA DROPPLEMAN
 Tract _____ Acres 106 Lease No. _____
 Well (Farm) No. TWO Serial No. _____
 Elevation (Spirit Level) 1084'
 Quadrangle NEW MILTON 7.5' VADIS 15'
 County DODDRIDGE District COVE
 Surveyor MARK C. ECHARD
 Surveyor's Registration No. 490
 File No. _____ Drawing No. _____
 Date JULY 6, 1979 Scale 1" = 1000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. 47-017-2453

+ 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.
 AUG 7 1979

21 * 6-55m NEW MILTON S 307

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

Date August 3, 19 79

FORM IV-35
(Obverse)

Operator's
Well No. Droppleman #2

[08-78]

WELL OPERATOR'S REPORT
OF

API Well No. -7 - 017 - 2453
State County Permit

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow
LOCATION: Elevation: 1084' Watershed: Sand Fork Creek
District: Cove County: Doddridge Quadrangle: New Milton 7.5

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) _____
OIL & GAS DIVISION
DEPT. OF MINES

PERMIT ISSUED ON July 16, 1979, 19 _____ OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____, 19 _____)
Name Paul Garrett
Address Clarksburg, WV 26301
622-3781

GEOLOGICAL TARGET FORMATION: Elk Depth _____ feet
Depth of completed well, 5496 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 July 21, 19 79, and completed July 27, 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		
Conductor								Kinds
Fresh water	8 5/8					1203	1203	To surface
Coal								Sizes
Intermediate								
Production	4 1/2						5376	150 sks
Tubing								Deaths set
Liners								Perforations:
								Top Bottom

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4978 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 Elk ALEX Pay zone depth 5355 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, 0 Bbl/d
Combined Final open flow, 1,420 Mcf/d Final open flow, 0 Bbl/d
Time of open flow between initial and final tests, 3 hours
Static rock pressure, 1550 psig (surface measurement) after 24 hours shut in

AUG 22 1979

[08-78]

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

Fractured August 1, 1979

Elk - 20,000 lb. 80/100 sand
40,000 lb. 20/40 sand
1,900 lb. breakdown
injection rate - 21.2BPM at 2025 lb.
647 barrels water

Benson - 20,000 lb. 80/100 sand
37,000 lb. 20/40 sand
2,000 lb. breakdown
injection rate - 16 BPM at 1600 lb.
625 barrels water

Perforations - 5355 - 5274 8 holes

Perforations - 4976 - 4978 7 holes

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Surface			0	103	
Sand			103	108	Water
Shale			108	188	
Red Rock			188	204	
Shale			204	492	
Red Rock			492	510	
Shale			510	920	
Slate & Red Rock			920	1018	
Shale			1018	1410	
Sand			1410	1482	
Shale			1482	1870	
Sand			1870	1920	
Shale			1920	1950	
Sand			1950	1986	
Shale			1986	2060	
Lime			2060	2090	
Slate			2090	2120	
Lime			2120	2265	
Shale			2265	2330	
Sandy Shale			2330	2400	
Shale			2400	2510	
Sand			2510	2540	
Shale			2540	3052	
Sandy Shale			3052	3076	
Shale			3076	4970	
Sandy Shale			4970	4990	Show gas
Shale			4990	5024	
Sandy Shale			5024	5110	Show gas
Shale			5110	5228	
Sandy Shale <i>AKEX</i>			5228	5370	Show gas
Shale <i>BRAL</i>			5370	5496	
Total Depth			5496		

(Attach separate sheets to complete as necessary.)

Rockwell Petroleum Company

Well Operator

By

[Signature]
Robert R. Jones

Its

Partner

NOTE: Regulation 2.02(i) provides as follows:

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

[08-78]

COPY

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. Droppleman #2 2453
API Well No. 47 017 2452
State County Permit

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

LOCATION: Elevation: 1084' Watershed: Sand Fork Creek
District: Cove County: Doddridge Quadrangle: New Milton 7.5

WELL OPERATOR Rockwell Petroleum Company
Address P O Box 86
Sand Fork, WV 26430

DESIGNATED AGENT Robert R. Jones
Address P O Box 86
Sand Fork, WV 26430

OIL & GAS
ROYALTY OWNER Emma Droppleman
Address 131 West 6th
Weston, WV 26452
Acreage 106

COAL OPERATOR -----
Address: _____

SURFACE OWNER Roy Church
Address Route 1
New Milton, WV
Acreage 106

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address Clarksburg, WV 26301
622-3781

OIL & GAS DIVISION
DEPT. OF MINES

JUL 16 1979

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated May 9, 1979, to the undersigned well operator from Emma Droppleman and Emma Teresa Moran [if said deed, lease, or other contract has been recorded:]

Recorded on May 8, 19 79, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 108 at page 464. A permit is requested as follows:

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

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
15 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

Rockwell Petroleum Company
Well Operator
By Robert R. Jones
Its Partner

[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, Elk

Estimated depth of completed well, 134 feet Rotary / Cable tools /

Approximate water strata depths: Fresh, 134 feet; salt, feet.

Approximate coal seam depths: Is coal being mined in the area? Yes / No /

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					1200'	1200'	To surface
Coal								Sizes
Intermediate								
Production	4 1/2						5450'	160 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 dwelling 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 a part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 3-17-80.

[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 location, the well location has been added to the mine map. The undersigned has no objection to 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.

, 19

By
Its