

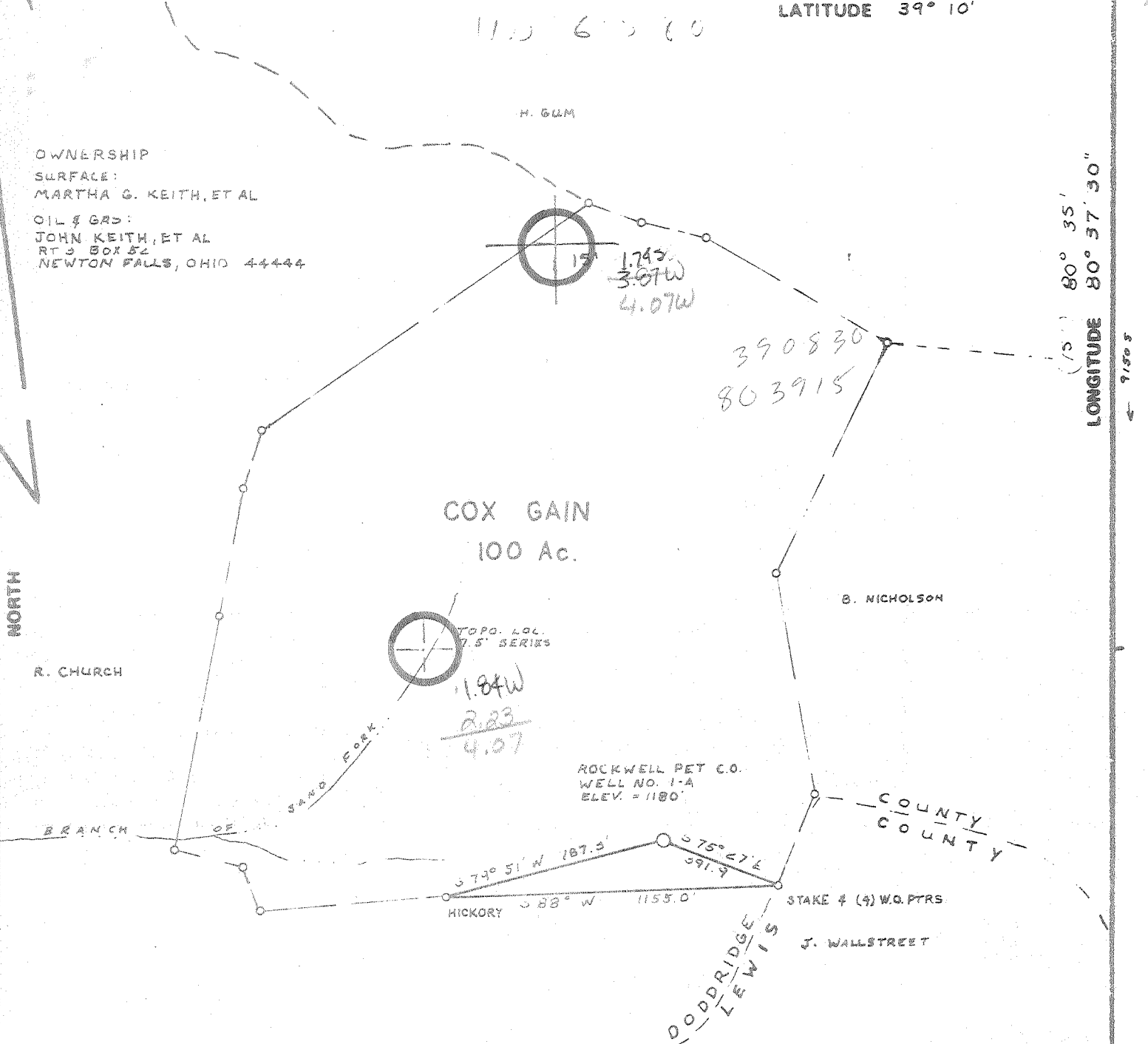
LATITUDE 39° 10'

115 6 30

H. 66M

OWNERSHIP  
SURFACE:  
MARTHA G. KEITH, ET AL  
OIL & GAS:  
JOHN KEITH, ET AL  
RT 3 BOX 52  
NEWTON FALLS, OHIO 44444

LONGITUDE 80° 37' 30"  
80° 35'



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF  
ACCURACY 1/200'  
PROVEN SOURCE OF  
ELEVATION TOP KNOB = 2000' NE  
OF LOCATION ELEV. = 1300'

I THE UNDERSIGNED, HEREBY CERTIFY THAT  
THIS PLAT IS CORRECT TO THE BEST OF MY  
KNOWLEDGE AND BELIEF AND SHOWS ALL THE  
INFORMATION REQUIRED BY LAW AND THE REGU-  
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
MENT OF MINES. *Mark C. Echard*  
(SIGNED) MARK C. ECHARD  
R.P.E. \_\_\_\_\_ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF  
WELL ON UNITED STATES  
TOPOGRAPHIC MAPS

FORM IV-6  
(8-78)



DATE MAY 12, 19 80  
OPERATOR'S WELL NO. ONE A  
API WELL NO. \_\_\_\_\_  
47 - 017 - 2752  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS.") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
LOCATION: ELEVATION 1180' WATER SHED SAND FORK  
DISTRICT COVE COUNTY DODDRIDGE  
QUADRANGLE NEW MILTON 7 1/2 VADIS 15' C  
SURFACE OWNER MARTHA G. KEITH, ET AL ACREAGE 100  
OIL & GAS ROYALTY OWNER JOHN KEITH, ET AL LEASE ACREAGE 100  
LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION DEV. SHALE - ELK ESTIMATED DEPTH 5000  
WELL OPERATOR ROCKWELL PETROLEUM CO. DESIGNATED AGENT MR. ROBERT R. JONES  
ADDRESS P.O. BOX 86 ADDRESS P.O. BOX 86  
SAND FORK, W.V. 26430 SAND FORK, W.V. 26430

TRASCO:

6-6 NEW MILTON S

JUL 7 1980

307



[08-78]

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

Fractured July 25, 1980

~~EIK~~ <sup>ALEX</sup> 20,000 lb. 80/100 sand  
40,000 lb. 20/40 sand  
2800 lb. breakdown  
490 bbls. water  
23.3 BPM at 1900 lb.

Benson - 20,000 lb. 80/100 sand  
40,000 lb. 20/40 sand  
2500 lb. breakdown  
495 bbls. water  
22.5 BPM at 1950 lb.

Perforations - 5283 - 5415, 6 holes

Perforations - 5088 - 5208, 8 holes

WELL LOG

FORMATION	Color	Hard or Soft	§ Top Feet	Bottom Feet	Remarks Including indication of all and salt water, coal, oil an
Surface			0	101	
Sand			101	108	Water
Red Rock			108	112	
Shale			112	149	
Red Rock			149	168	
Shale			168	490	
Red Rock			490	502	
Shale			502	920	
Red Rock			920	1002	
Shale			1002	1490	
Sand			1490	1520	
Shale			1520	2184	
Lime			- 2184	2200	
Slate,			2200	2230	
Lime			- 2230	2340	
Sand			2340	2380	Show of gas & oil
Shale			2380	2425	
Sandy Shale			2425	2500	
Shale			2500	2620	
Sand			2620	2652	
Shale			2652	2940	
Sandy Shale			2940	3003	
Shale			3003	4096	
Sand			4096	4103	
Shale			4103	5032	
Sand			5032	5044	Show of gas
Shale			5044	5195	
Sandy Shale			5195	5215	
Shale			5215	5360	
Sandy Shale <sup>ALEX</sup>			5360	5420	
Sahle			5420	5579	
Total Depth			5579		

1789 P/B & 5087 MCF (to R/S days or later) (Attach separate sheets to complete as necessary)

Rockwell Petroleum Company  
Well Operator

By [Signature]  
Its [Signature]

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. Cox-Gain #1A

API Well No. 47 - 017 2752  
State County Pe

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

LOCATION: Elevation: 1180' 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

OIL & GAS ROYALTY OWNER John Keith, et al  
Address Route 3, Box 52  
Newton Falls, OH 44444

COAL OPERATOR N/A  
Address     

ACREAGE 100  
SURFACE OWNER Martha G. Keith, et al  
Address Route 3, Box 52  
Newton Falls, OH 44444  
ACREAGE 100

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name N/A  
Address       
Name N/A  
Address     

FIELD SALE (IF MADE) TO:  
Name N/A  
Address     

COAL LESSEE WITH DECLARATION ON RECORD:  
Name N/A  
Address     

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Paul Garrett  
Address Clarksburg, WV 26301  
622-3871

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed      / lease X / other contract      / dated December 31, 1979, to the undersigned well operator from John Keith, et al

[If said deed, lease, or other contract has been recorded:]  
Recorded on January 23, 19 80, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 113 at page 307. A permit is requested as follows:

PROPOSED WORK: Drill X / 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  
GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

**RECEIVED**

JUN 4 1980

Rockwell Petroleum Company  
Well Operator

By Mark R. Wood  
Its Partner

OIL & GAS DIVISION  
DEPT. OF MINES

[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, 5620 feet Rotary X / Cable tools      /  
Approximate water strata depths: Fresh, 250 feet; salt, N/A feet.  
Approximate coal seam depths: N/A 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	Left in well		
Conductor									Kinds
Fresh water	8 5/8					1200'	1200'	To surface	
Coal									Sizes
Intermediate									
Production	4 1/2					5620'	5620'		Depths set
Tubing									
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.

THIS PERMIT MUST BE DEPOSITED AT THE WELL SITE. Separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be 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 2-6-81  
*Robert T. [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