

-BigIsaucs (147

1117

and the well operator authorized to proceed.

BLANKET BOWD

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-6 and will carry out the specified requirements."



DEPARTMENT OF MINES



Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	DA?	October 17, 1980	
Earl Richards, et ux	Con	Stuart Petrole	um Company
Rt. 3, Salem, WV 26426		28 Kennedy St.	Bradford, PA 16701
Dovener Bowen, et al		D. Bowen, et al	71
Rt. 2, Box 145A, Jane Lew, WV	7 26378		f Laurel Run
cal Owner Eastern Associated Coal Cor		one (1)	
Koppers Bldg., Pittsburgh, PA	and the second s	rict Greenbrier	Elevation Doddridg
Coal Operator None	mandaminero control manuscos ALP 223 (c.	drangle Big Isaac 7½'	and the second s
d drawn	taran-marah-contrava-van-kapakatanya saka-aran-aran-aran-aran-aran-aran-aran-a	Collin Co	
S PERMIT MUST BE POSTED AT THE WELL SITE			
provinans being in accordance with Chapter 22	ø		
the W. Va. Code, the location is hereby approved	INSPEC:	ror	
drilling . This permit shall expire i	f to be i	NOTIFIED Paul Ga	rrett
erations have not commenced by 7-8-81	å.	to 201 December Character	
	AUUKES	S 321 Beech Street	, Clarksburg, WV
Deputy Director • Oil & Gas Division	PHONE	622-3871	
Nabail Agama, and	· · · · · · · · · · · · · · · · · · ·		
TO ALTONOMY TOO ALTONALY.			
ENTLEMEN: The undersigned well operator is entitled to discontinuous description of the case may be under grant finch, et ex made to Earl Richard 172 in Doddridge County, Book	at or lease dated	September 18 19 20 and recorded on the	71 - William K.
The undersigned well operator is entitled to distinct, (or as the case may be) under grant Finch, et ex made to Earl Richard 172 in Doddridge County, Book	ods 96 Pa	September 18 20 and recorded on the 140	71 by William K. July day of
The undersigned well operator is entitled to de the case may be) under gran Finch, et ex made to Earl Richard 72 in Doddridge County, Book	et or lease dated	September 18 20 and recorded on the 140 REDRILL FR	71 by William K. July day of
The undersigned well operator is entitled to distinct, (or as the case may be) under grant Finch, et ex made to Earl Richard 172 in Doddridge County, Book	et or lease dated	September 18 20 and recorded on the 140 REDRILL FR	71 by William K. July day of
The undersigned well operator is entitled to distinct thereto, (or as the case may be) under grant Finch, et ex made to Earl Richard The enclosed plat was prepared by a registered	96 Pa	September 18 and recorded on the 140 REDRILL FR RE JUNE 5, 1969.	ACTURE OR STIMULAT
The undersigned well operator is entitled to detect thereto, (or as the case may be) under grant Finch, et ex made to Earl Richard The enclosed plat was prepared by a registered we been notified as of the above date.	96 Pace Pace Pace Pace Pace Pace Pace Pace	September 18 and recorded on the 140 REDRILL FR RE JUNE 5, 1969. ed land surveyor and all of	ACTURE OR STIMULAT
The undersigned well operator is entitled to distinct thereto, (or as the case may be) under grant Finch, et ex made to Earl Richard The enclosed plat was prepared by a registered we been notified as of the above date. The above named coal owners and/or operator	96 Pa EEPER Y DRILLED BEFO d engineer or licens	September 18 and recorded on the 20 REDRILL FR RE JUNE 5, 1969. ed land surveyor and all controls that any objection they	ACTURE OR STIMULAT
The undersigned well operator is entitled to discontinuous control of the case may be under grant and to the code, must be received. The undersigned well operator is entitled to discontinuous case may be under grant and to discontinuous case may be under grant and to discontinuous case may be under grant and the code, must be received.	96 Pa EEPER Y DRILLED BEFO d engineer or licens are hereby notified wed by, or filed with	September 18 and recorded on the 20 REDRILL FR RE JUNE 5, 1969. ed land surveyor and all of that any objection they we have the Department of Mines	day of July day of July ACTURE OR STIMULAT coal owners and/or operate rish to make, or are required within ten (10) days.
The undersigned well operator is entitled to did thereto, (or as the case may be) under gran Finch, et ex made to Earl Richard D. 72 in Doddridge County, Book X NEW WELL DRILL DE OIL AND GAS WELL ORIGINALL. The enclosed plat was prepared by a registered we been notified as of the above date. The above named coal owners and/or operator make by Section 3 of the Code, must be received to the coal owners at their above shown respective as	96 Pa EEPER Y DRILLED BEFO d engineer or licens are hereby notified with mailed by register	september 18 20 and recorded on the 20 REDRILL FR RE JUNE 5, 1969. ed land surveyor and all of that any objection they was the Department of Mines ed mail, or delivered to the day	ACTURE OR STIMULATE Coal owners and/or operate within ten (10) days.
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The undersigned well operator is entitled to did thereto, (or as the case may be) under grant Finch, et ex made to Earl Richard Tinch, et ex made to Earl Richard To Doddridge County, Book X NEW WELL DRILL DE OIL AND GAS WELL ORIGINALL. The enclosed plat was prepared by a registered we been notified as of the above date. The above named coal owners and/or operator make by Section 3 of the Code, must be received to Copies of this notice and the enclosed plat were coal owners at their above shown respective a me day with the mailing or delivery of this copy. EASE SUBMIT COPIES OF ALL	96 Pa SEPER Y DRILLED BEFO d engineer or licens are hereby notified with e mailed by register ddress y to the Department	and recorded on the 20 and recorded on the 140 REDRILL FR RE JUNE 5, 1969. ed land surveyor and all of that any objection they we have the Department of Mines at Charleston, Vally yours ame) West Open	ACTURE OR STIMULATE COAL Owners and/or operate within ten (10) days. See above named coal operate before, or on the state of the coal operate before, or on the coal operate o
The undersigned well operator is entitled to de thereto, (or as the case may be) under grant Finch, et ex made to Earl Richard Tinch, et ex made to Earl Richard To	96 PacEPER Y DRILLED BEFO d engineer or licens are hereby notified wed by, or filed with e mailed by register ddress y to the Department Very tree	and recorded on the and recorded on the 140 REDRILL FR RE JUNE 5, 1969. ed land surveyor and all of that any objection they was the Department of Mines at Charleston, Vally yours ame) Stuart Petrole	ACTURE OR STIMULATE Coal owners and/or operate rish to make, or are required within ten (10) days. Show before, or on the coal operate Vest Virginia.
The undersigned well operator is entitled to de le thereto, (or as the case may be) under gran Finch, et ex made to Earl Richar 72 in Doddridge County, Book x NEW WELL DRILL DE OIL AND GAS WELL ORIGINALL. The enclosed plat was prepared by a registered we been notified as of the above date. The above named coal owners and/or operator make by Section 3 of the Code, must be received to coal owners at their above shown respective a me day with the mailing or delivery of this copy. EASE SUBMIT COPIES OF ALL COPHYSICAL LOGS DIRECTLY TO:	96 Pa EEPER Y DRILLED BEFO d engineer or licens are hereby notified wed by, or filed with e mailed by register ddress y to the Department Very transport of the Sign No.	and recorded on the 20 and recorded on the 140 REDRILL FR RE JUNE 5, 1969. ed land surveyor and all of that any objection they we have the Department of Mines at Charleston, Vally yours ame) West Open	ACTURE OR STIMULATED ACTURE OR STIMULATED ACTURE OR STIMULATED ACTURE OR STIMULATED ACTURE OF
The undersigned well operator is entitled to de thereto, (or as the case may be) under gran Finch, et ex made to Earl Richard Tinch, et ex mad	96 Pa EEPER Y DRILLED BEFO d engineer or licens are hereby notified wed by, or filed with e mailed by register ddress y to the Department Very transport (Sign No	and recorded on the and recorded on the 140 REDRILL FR RE JUNE 5, 1969. ed land surveyor and all of that any objection they we had the Department of Mines at Charleston, Vally yours ame) Stuart Petrole 28 Kennedy Str	ACTURE OR STIMULATE Coal owners and/or operate rish to make, or are required within ten (10) days. Show before, or on the coal operate Vest Virginia.
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47-017-2868

PERMIT NUMBER

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO	XDRILL	DEEPEN F	RACTURE-STIMULATE		
DRILLING CONTRACTOR: (If Known)			RESPONSIBLE AGENT:		
NAME Unknown		NAME Berry, Waters	NAME Berry, Waters, Warner & Harris		
ADDRESS			716, Clarksburg, WV 26301		
TELEPHONE	5/,00	-	24-5571		
ESTIMATED DEPTH OF COMPI	MATION: Alexander	ROTARY	CABLE TOOLS		
		COMB STORAGE	DISPOSAL		
,			OOD OTHER		
TENTATIVE CASING PROGRAM					
CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN	CEMENTALIE UP OR SACKS - CUBIC ET.		
20 - 16					
13 - 10	30	30	Circulate		
9 - 5/8 8 - 5/8	1300	1300	Circulate		
7		and the second s			
5 1/2					
4 1/2		5300			
3					
Liners	ormanisialitikkon kuntaisia kantilistettiin 1990-inkantaisa k. 1979-inkantoinainisten kontanon 1900-ilkatikkontoinaapitent		Perf. Bottom Perf. Top		
1.016.13			Perf. Bottom		
SUBMIT FIVE (5) COPIES OF PLAT.	Or OG - 1, \$100.00 PER	MIT FEE, PERFORMANCE E	OND AND PERMANENT COPY		
TO DRILL DEEPER OR REDRI					
	TO 1929, A PERMANENT		ND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD		
TO FRACTURE - STIMULATE:					
OIL AND/OR GAS WELL O	PRIGINALLY DRILLED BEF F AND ORIGINAL WELL R		COPIES OG - 1, PERFORMANCE		
	RIGINALLY DRILLED ON JMBER, AND PERFORMAN	•	29, FIVE COPIES OG - 1, SHOW-		
Required forms must be file four (24) hours in advance.		f completion for bond release.	Inspector to be notified twenty-		
The following waiver must thereof.	be completed by the coal o	operator if the permit is to be	issued within ten days of receip		
		Coal Company, Owner maps this proposed well located	r or Operator of the coal under		
We the	Coal Compan	y have no objections to said	well being drilled at this location.		
providing operator has			7, Chapter 22 of the West Virginia		
Code.					
		especial instruction of the first transfer of the second section of the section of	For Coal Company		

Official Title



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Big Isaac 7½'
Permit No. 47-017-2868

Rotary X Oil Gas X

Recycling Comb. Storage Kind

Balltown 20,000# 80/100 40,000# 20/40 480 BBL 58		(Kind)
District Greenbrier	Kennedy Street, Bradford, PA 16701 Tubu	
Well No. One (1) Edw. 1228' 20-16	Bowen, et al Acres 71	
District Greenbrier County Roddridge Cond 13-10" 31	sters) Branch of Laurel Run Size	
The surface of tract is owned in fee by Richards, et ux 95/8 1310" 311" 0 95/8 1316.60 131		
Richards Solution Richards Solution Richards Richards		27.1
Address Rt 3, Salem, WV 26426 8 5/8 1316.60 1316.60	01 11401 13 044106 11. 100 07	31 0
Mineral rights ire owned by		1316.60 1316.60 320 Sacks
Drilling Comm : need 12-27-80)	1310.00 1310.00 320 Sacks
Drilling Comp :nced 12-27-80	s are owned by <u>Dovener Bowen</u> , et al. /	
Drilling Comp sted		5404 70 420 Socks
Second Speechley Speechley Salt water Salt water Salt water Speechley Spee	n snced 12-27-00	5404.70 420 Sacks
Speechley	pieted 1-3-01 3	
Well open	flow $45,000$ cu. ft. bbls. $\frac{2}{2}$	
Speechley 20,000# 80/100 40,000# 20/40 480 BBL 58 BB	tionto cu. it. per dayoois.	0
Speechley 20,000# 80/100 40,000# 20/40 480 BBL Stall town 20,000# 80/100 35,000# 20/40 480 BBL Stall town 20,000# 80/100 35,000# 20/40 407 BBL Stall town 20,000# 80/100 40,000# 20/40 460 BBL Stall town 40,000# 20/40 40,000# 40,000# 20/40 40,000# 40,000# 20/40 40,000# 40,000# 20/40 40,000# 40,000# 20/40 40,000# 40,000# 20/40 40,000# 40,000# 20/40 40,000# 40,000# 20/40 40,000# 40,000# 20/40 40,000# 40,000# 40,000# 40,000# 20/40 40,000# 40,000# 20/40 40,000# 40,000# 20/40 40,000# 40,000# 40,000# 20/40 40,000# 40,000# 40,000# 20/40 40,000#		
Balltown 20,000# 80/100 40,000# 20/40 480 BBL 58	nt details: Attach co	py of cementing record.
Benson 15,000# 80/100 35,000# 20/40 407 BBL S	y 20,000# 80/100 40,000#	20/40
Sand & Shale	20,000# 80/100 40,000#	20/40
Coal was enco intered at		20/40 407 BBL S/L Fluid
Fresh water	r 20,000# 80/100 40,000#	20/40 460 BBL S/L Fluid
Sand & Shale 0 75 1/4" FW @ 70' White sand 75 90 Sand & Shale 90 170 Red Rock & Shale 170 260 Sand & Shale 260 345 Red Rock & Shale 345 550 Shale 960 1250 Sand & Shale 1250 1760 Damp @ 1539' Red Rock & Shale 1760 2030 S.O. @ 1715' Big Lime -2030 2170 Gas Checks Sand & Shale 2170 3169 @ 2170' No Show Shale 3169 3770 @ 3250' No Show Balltown 3770 3820 @ 3847' 4/10 wt		4948-4960, 5294-5304 Ben- Alexa
White sand 75 90 Sand & Shale 90 170 Red Rock & Shale 260 345 Red Rock & Shale 345 550 Shale 550 960 Red Rock & Shale 960 1250 Sand & Shale 1250 1760 Damp @ 1539' Red Rock & Shale 1760 2030 S.O. @ 1715' Big Lime -2030 2170 Gas Checks Sand & Shale 2170 3169 @ 2170' No Show Shale 3169 3770 @ 3250' No Show Balltown 3770 3820 @ 3847' 4/10 wt	n Color Hard or Soft Top Feet Botton	Feet Ou, Gas or Water Remarks
Benson Sand & Shale Sand Sand & Shale Total Depth Senson 4940 4955 5230 5250 5250 5425 JUN 2 3 19	e sand	Damp @ 1539' S.O. @ 1715' Gas Checks @ 2170' No Show @ 3250' No Show @ 3847' 4/10 wtr thru 1" 55 30 50 25
JUN S O I.		U.O.W. A. O. IOO,I

⁽over)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
			•		

APPROVED JENNIE JA CONSULTANT