

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

Rotary	
Spudder	
Cable Tools	

Quadrangle Elizabeth

Permit No. WOO-841

WELL RECORD

Stora	ge		

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Company	0 n Day 1	Oil & Gas .0167, Stat	Co. ion "C", C	Casing and harl Burkson,	Used in W. Velling	Left in Well	Packen
		****************************	Acres 75	Size			
				16			Kind of Packer
			Elev.			8	w man 1 400 Parts 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
					Į.	5 8	
			. Cale	81/8-5/8"		2501	
		**				1 6	
					1	6 8	
					1	1	
						1	Perf. top
Drilling completed		2-78		2 - 7/8"			
			Го	Liners Used			Perf. top.
With		******************************					Perf. bottom
Open Flow	/10ths Water	r in	Inch	Attach copy of	cementing record		
~~ · ~ · ~ · · · · · · · · · · · · · ·	/10ths Merc.	. in	Inch	CASING CEM	ENTED	SIZE	No. FtDat
			Cu. Ft.				
Rock Pressure	*******************		hrs.				
Oil	L5-barrel	5	bbls., 1st 24 hrs.				FEET INCHE
WELL ACIDIZE	D (DETAILS)	3 3000 0	mçf gas				FEET INCHE
				FEE	ETINC	HES	FEET INCHE
WELL FRACTU	RED (DETAIL:	s) 28,000 g 60,000 s	<u> gallons L.S</u>	.B. Crude			
Fresh Water		Feet		Salt Water		Feet	2401 Et.Berea
Producing Sand			~ = = 4 - + 4 - + 4 - 4 - 4 - 4 - 4 - 4 - 4 -		Depth		
		Hard or		OFFICE THE SECRET OF THE SECRE			
Formation	Color	Soft	Тор	Bottom	Oil, Gas or Water	Depth	Remarks
Salt Sand Sand Big Big	& Shale Sand & Shale & Shale		Surface 16 200 850 1200 1550 1900 1975 2000 2401	16 200 850 1200 1550 1900 1975 2000 2401	Berea and ga	AUG OLGAS Shows si	1 1980 SDIVISION F WINES
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OL & GAS DIVISION DEFT. OF MINES

DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE
Surface Owner	Company Company
Address 53 66 Courts 1, 6	Nor Address O. Box 10167, Station
Mineral Owner	Farm Acres
Address	ALT THE THE THE THE THE THE THE THE THE TH
Coal Owner.	Well No. Elevation
Address	
	Quadrangle 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Address	Andra all 15 more and and and an and an and an and an and an
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	INSPECTOR
for <u>drilling</u> . This permit shall expire if	TO BE NOTIFIED Paul Goodnight
operations have not commenced by 12-3-78	ADDRESS Smithville, W.Va. 26178
Deputy Director - Oil & Gas Division	PHONE 477-3660
GENTLEMEN:	
	oon the above named farm or tract of land for oil and gas, having fee
The enclosed plat was prepared by a registered enchave been notified as of the above date. The above named coal owners and/or operator are to make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were management.	REDRILLFRACTURE OR STIMULATE RILLED BEFORE JUNE 5, 1969. Inneer or licensed land surveyor and all coal owners and/or operators Rereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. * REDRILL FRACTURE OR STIMULATE RILLED BEFORE JUNE 5, 1969. REDRILL FRACTURE OR STIMULATE RILLED BEFORE JUNE 5, 1969. Report June 5, 1969. Report June 5, 1969. Report June 6, 1969. Report Ju
GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Well Operator
WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	Address of Street
AC-304 - 292-6331	City or Town
	State
407000000	the Department of mines middle said and a face that the
the filing of such plat, that no objections have been made by the and the well operator authorized to proceed.	ocation, the department shall forthwith issue to the well operator a permit reciting
notice and plat by the department of mines, to said proposed I the filing of such plat, that no objections have been made by the and the well operator authorized to proceed. CASH DEPOSIT	ocation, the department shall forthwith issue to the well operator a permit reciting coal operators or found thereto by the department and that the same is approved WOOD-841
notice and plat by the department of mines, to said proposed leads the filing of such plat, that no objections have been made by the and the well operator authorized to proceed.	wood operators or found thereto by the department and that the same is approved WOOD-841 PERMIT NUMBER as set forth in 47-107

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

PROPOSED WORK ORDER TO	ODRILL	DEEPEN FRACTURE-STIMULATE		
DRILLING CONTRACTOR: (I		RESPONSIBLE AGEN	IT: Communication of the communication of the commu	
NAME		NAME		
ADDRESS D. D. 10			ig Tyler Ford	
TELEPHONE 48 18 18 18 18 18 18 18 18 18 18 18 18 18		TELEPHONE		
ESTIMATED DEPTH OF COMP	PLETED WELL:	ROTARY	_ CABLE TOOLS	
PROPOSED GEOLOGICAL FOR	RMATION:			
TYPE OF WELL: OIL	GAS CO	OMB STORA	GE DISPOSAL	
	RECYCLIN	VG WATER F	LOODOTHER	
TENTATIVE CASING PROGRA	M:			
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.	
20 - 16	period (1999) ANT (200 IN 1820 COS) A STATE COST (1997) ANT (1997) AND ANT (1997)		99404944 M. SPECHEL BERGER (SECRET SCHOOL AND ADDRESS SECRET SECRET SCHOOL AND ADDRESS SECRET SCHOOL AND ADDRESS SECRET SCHOOL AND ADDRESS SECRET SCHOOL ADDRESS SECRET SCHOOL AND ADDRESS SECRET SCHOOL ADDRESS SECRET SCHO	
13 - 10		· · · · · · · · · · · · · · · · · · ·		
9 - 5/8				
8 - 5/8	200	\$30		
7				
5 ½				
4 1/2		18 18 18 02	2 700 300 300 300	
3			Perf. Top	
Liners			Perf. Bottom Perf. Top	
		<u> </u>	Perf. Bottom	
WELLS DRILLED PRIOR MUST ALSO BE SUBMITT TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL (BOND, PERMANENT PLA' OIL AND/OR GAS WELL (ING ORIGINAL PERMIT N	OF OG - 1, SHOWING ORIGINATED OF OG - 1, SHOWING ORIGINATED OF THE AND ORIGINAL WELL RECORD OF THE AND ORIGINAL WELL ON AN UMBER, AND PERFORMANCE of within ninety (90) days of contact of the angle of	PPY OF THE PLAT AND REJUNE 5, 1929, FIVE (5 ORD. ID/OR AFTER JUNE 5, 1 BOND.	AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD O) COPIES OG - 1, PERFORMANCE 929, FIVE COPIES OG - 1, SHOW- e. Inspector to be notified twenty-	
The following waiver must thereof. WAIVER: I the undersigned, Ag this lease have examin	be completed by the coal oper gent for ned and place on our mine ma Coal Company h	Coal Company, Own ps this proposed well located ave no objections to said	e issued within ten days of receipt ter or Operator of the coal under ation. well being drilled at this location, d 7, Chapter 22 of the West Virginia	
Code.	-		For Coal Company	

Official Title