Plot. Log. 6/28/78/ 0 1 7 LATITUDE 39 +71/2 -1 09 50 35 20 LONGITUDE -3 PIERGE Schied Forg. w.c. Hought stone Surface : H. J. Pierce Summers, Willia. Revised Location Minimum Error of Closure___ Elex. Well No. 1-616 (original location) = 943 I, the undersigned, hereby cartify that this map is correct to the best of my know-ledge 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. Fracture...... New Location.... Signed: Map No. Abandonment. Squares: STATE OF WEST VIRGINIA United Operating Co DEPARTMENT OF MINES Address 600 Commerce Sa. Charleston, W.V. OIL AND GAS DIVISION CHARLESTON Acres <u>30.32</u> Lease No. LOCATION MAP WELL Well (Farm) No. 1-6/6 Serial No. Elevation (Spirit Level) 868 FILE NO DODD-2187 Quadrangle Oxford 71/2 Holbroo + Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude County Doddridae _District Jouthwes MSSAO and longitude lines being represented by Engineer's Registration No. border lines as shown. JUL 1 3 1978 _Drawing No.. - Denotes one inch spaces on border line of original tracing. Z6, 1978 Scale 1": 500 47-017 TRASCO 500 5-77 MC63330

6-6 AUBUAN 132



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

RECEIVED

oil & gas division MEFT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Oxford 7½

Permit No. D0DD-2187

Rotary <u>X</u>	Oil
Cable	Gas
Recycling	Gas Comb. W
Water Flood	Storage
Disposal	-
<u> </u>	(Kind)

Address 600 Com							
Address_600_Com	npany UNITED OPERATING COMPANY		Casing and	Used in	Left	Cement fill up	
				Tubing	Drilling	in Well	Cu. ft. (Sks.)
					Spare Communication of the Com		- Control of the Cont
Location (waters)				Size			re, left all parties of the le
Well No. 1 (I-				20-16	(Autocoloculary)	A CONTRACTOR OF THE CONTRACTOR	Locondon-side
District Southw The surface of trace		•	· ·	Cond. 13-10"		The second secon	5.50 5.00 1.00 1.00 1.00 1.00 1.00 1.00
H. J. Pi	n is owner erce	a iii iee uy		9 5/8			
Address Troy, W. Va. Mineral rights are owned by Same Address Same			8 5/8	317	317	Circulated	
			7				
			5 1/2				
Drilling Commence	:d	9-78		4 1/2	<u> </u>	2224	110 sacks
Drilling Completed	/	13-/8		3			-
Initial open flow	- And Annual Property of the Parket of the P	Suphteen.	A STATE OF THE STA	Liners Used			
Final production Well open 4	Carlo IV	cu. IX. per day	1150 pp	The state of the s			
Well treatment det		ins. Delvie lest	inimization INT .	Attach copy of	cementing reco	ord.	
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28,000# 80/10							
2,500 psi - I					and the second s		
The second secon							
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are an analysis and a second and							
Coal was encounted							
							Feet
Producing Sand		- Auto-Control Control		Dept	h <u>4.940</u> -	Land Land	
Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas o	r Water	* Remarks
SAND/SHALE	Grey	Soft	0	1050		a kan-nomer Zünerrega jaar gerenaadan esamere asada umumpa	ng pinangang mengangkan nangangkan pinangkan pinangan pengangkan pengangkan pengangkan pengangkan pengangkan p
	Grey						
SAND	u, u,	Hard	1050	חחוו			
	CMOU	Hard Soft	1050	700		**	
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SHALE SAND	Grey	Soft Hard	1100 1170	1170 1274		75 3	
SHALE SAND	-	Soft	1100	1170			
SHALE SAND SAND/SHALE	Grey	Soft Hard	1100 1170	1170 1274			
SHALE SAND SAND/SHALE SAND	Grey Grey	Soft Hard Soft	1100 1170 1274	1170 1274 1594			
SHALE SAND SAND/SHALE SAND SHALE	Grey Grey Grey Grey	Soft Hard Soft Hard Soft	1100 1170 1274 1594 1644	1170 1274 1594 1644 1740			
SHALE SAND SAND/SHALE SAND SHALE LIME	Grey Grey Grey Grey Grey	Soft Hard Soft Hard Soft Hard	1100 1170 1274 1594 1644 1740	1170 1274 1594 1644 1740 1812			
SHALE SAND SAND/SHALE SAND SHALE LIME SAND (BIG INJ	Grey Grey Grey Grey Grey UN) Grey	Soft Hard Soft Hard Soft Hard	1100 1170 1274 1594 1644 1740 1812	1170 1274 1594 1644 1740 1812 1890			
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(over)

^{*} Indicates Electric Log tops in the remarks section.



DEPARTMENT OF MINES



CILCEAS MICION DE LOF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES, Charleston, W. Va.	DATE June 19, 1978				
Surface Owner H. J. Pierce	Company United Operating Company				
EV W VOR	Address 600 Commerce Sq., Charleston,				
Address H. J. Pierce	Farm H. J. PIERCE Acres 31				
Trov. W. Va.	Location (waters) Lower Run				
Address					
Coal Owner	Well No. 1 (I-616) Elevation 5386 District Southwest County Doddrid				
Coal Operator	Quadrangle OATOLO 72				
Address					
All provisions being in accordance with Chopter 22, of the W. Va. Code, the location is hereby approved					
IN	SPECTOR BE NOTIFIED Paul Garrett				
operations have not commenced by 10-28-78.	DRESS 321 Beech St., Clarksburg, WV				
Deputy Director - Oil & Gos Division PH	ONE 622-3871				
GENTLEMEN:					
	above named farm or tract of land for oil and gas, having fee				
title thereto, (or as the case may be) under grant or lease da H. J. Pierce made to Consolidated thence	e/United Operating Co. and recorded on the day of				
19, inDoddridge County, Book102					
	REDRILLFRACTURE OR STIMULATE				
OIL AND GAS WELL ORIGINALLY DRILLED					
The enclosed plat was prepared by a registered engineer or have been notified as of the above date.	licensed land surveyor and all coal owners and/or operators				
The above named coal owners and/or operator are hereby n to make by Section 3 of the Code, must be received by, or fil	otified that any objection they wish to make, or are required ed with the Department of Mines within ten (10) days. *				
Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective addresssame day with the mailing or delivery of this copy to the Dep	registered mail, or delivered to the above named coal operators				
PLEASE SUBMIT COPIES OF ALL	Very truly yours. Unfited Operating Company Sign Name) Well Operator				
WEST VIRGINIA GEOLOGICAL AND	600 Commerce Sq.				
ECONOMIC SURVEY Address of	Street				
P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331	tor <u>Charleston</u> City or Town				
A0-304 - 292-0331	West Virginia 25071				
	State				
notice and plat by the department of mines, to said proposed location, the filing of such plat, that no objections have been made by the coal operand, the well operator authorized to proceed	erators or found thereto by the department and that the same is approved				
BLASKET BUS	DODD-2187 PERMIT NUMBER				
"I have read and upderstand the reglamation requirements as set for Chapter 22, Article 1 Section 12-6 and will carry out the specified require	orth in U7_017				

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

PROPOSED WORK ORDER TO	X DRILL	DEEPEN FRACTURE-STIMULATE				
DRILLING CONTRACTOR: (If		RESPONSIBLE AGENT:				
NAME Warren Haught						
ADDRESS Smithville	. WV					
TELEPHONE 1-477-222		TELEPHONE 1-4622	7176			
ESTIMATED DEPTH OF COMPI						
PROPOSED GEOLOGICAL FORI	* *					
TYPE OF WELL: OIL_		OMB. STORAGE	DISPOSAL			
			ODOTHER			
TENTATIVE CASING PROGRAM						
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.			
20 - 16			į.			
13 - 10						
9 - 5/8						
8 - 5/8	300 1	300'	Circ.			
7						
5 ½		See				
4 1/2	0	2400	700' Fill-up			
2			Perf. Top Perf. Bottom			
Liners		्र अविद्यान दिसी अस्तिक संस्थि	Perf. Top			
20011030			Perf. Bottom			
APPROXIMATE FRESH WATER		SALT WATER	FEET			
APPROXIMATE COAL DEPTHS IS COAL BEING MINED IN TH		9	•			
IS COAL BEING MINED IN TH	E AREA? RO	BY WHOM?	ų.			
TO DRILL:						
SUBMIT FIVE (5) COPIES OF PLAT.	OF OG - 1, \$100.00 PERM	IT FEE, PERFORMANCE B	OND AND PERMANENT COPY			
TO DRILL DEEPER OR REDRI	T.T.					
SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR	OF OG - 1, SHOWING ORIG TO 1929, A PERMANENT C		ID PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD			
MUST ALSO BE SUBMITT	ED.					
TO FRACTURE - STIMULATE:						
	PRIGINALLY DRILLED BEFO Γ AND ORIGINAL WELL REG		COPIES OG - 1, PERFORMANCE			
	PRIGINALLY DRILLED ON A UMBER, AND PERFORMANCE		29, FIVE COPIES OG - 1, SHOW-			
Required forms must be file four (24) hours in advance.		completion for bond release.	Inspector to be notified twenty-			
The following waiver must thereof.	be completed by the coal op-	erator if the permit is to be	issued within ten days of receipt			
	ent forned and place on our mine m		r or Operator of the coal under ion.			
			vell being drilled at this location, 7, Chapter 22 of the West Virginia			
one of the second of the secon			ata di kacamatan da kacamatan da Kacamatan da kacamatan da kacama			
		!	or Coal Company			

Official Title