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AUG - 6 1982

OIL AND GAS DIVIS

IV-35 (Rev 8-81)

State of Mest Virginia

Bepartment of Mines Gil und Ges Sivision

Date_	August 4	, 1982			
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Well	210.	≥ (1)			
Farm Meredith Nicholson					
ADT N	h 47 - (	)17 _	2999		

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

District: New Milton County Doddridge Quadrangle New Milton  CCMPANY Petroleum Development Corporation  ADDRESS P.O. Box 26 Bridgeport, WV 26330  DESIGNATED AGENT Same as Above  ADDRESS Same as Above  SURFACE CWNER James M. Cumpston  ADDRESS Rt. 1 New Milton WV 26411  MINERAL RIGHTS CWNER Forrest J. Nicholson Et Al  ADDRESS P.O. Box 302, Bridgeport, WV 26330  OIL AND GAS INSPECTOR FOR THIS WORK  ADDRESS  PERMIT ISSUED 5/5/81  DRILLING COMMENCED 05/30/81  DRILLING COMMENCED 05/30/81  DRILLING COMMENCED 06/09/81  IF APPLICABLE: PLUGGING OF DRY HOLE ON COMINIOUS PROGRESSION FROM DRILLING OR REMORKING, VERRAL PERMISSION OBTAINED  CEDIOGICAL TARGET FORMATION  Depth of completed well feet Rotary x / Cable Tools  Water strata depth: Fresh 196 feet; Salt 1000' 1710feet  Coal seam depths: Is coal being mined in the area?	(If "Gas," Production x / Under LOCATION: Elevation: 899' Watershee					
ADDRESS P.O. Box 26 Bridgeport, WV 26330  DESIGNATED AGENT Same as Above  ADDRESS Same as Above  SURFACE OWNER James M. Cumpston  ADDRESS Rt. 1 New Milton WV 26411  MINIERAL RIGHTS OWNER Forrest J. Nicholson Et Al  ADDRESS P.O. Box 302, Bridgeport, WV 26330  OIL AND GAS INSPECTOR FOR THIS WORK  ADDRESS  PERMIT ISSUED 5/5/81  DRILLING COMPENDED 05/30/81  DRILLING COMPEND 05/30/81  DR				Quadrangl	e New Mil	ton
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pory (surface neasurement) after nours shift	Static rock pressurepsig(surf	ace	measureme	nt) after	hou	rs shut in
AUG 1 6 1982 (Continue on reverse s	•	A	UG 1 6 198	2		

FORM IV-35 (REVERSE)

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

Devonian Shale --  $N_2$  935,000 CF -  $N_2$  Inst. Shut in pressure -- 3020 psi 15° Shut in pressure -- 3000 psi

4612-5406 Lower Cheming Silfs & Shale

## WELL LOG

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
			and salt water, coal, oil and gas
K.B G.L.	0	10 '	•
Sand, shale red rock	10'	400°	1/211 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -
Sand	400'	420'	1/2" stream H <sub>2</sub> O @ 196'
Sand, shale	4201	1930'	From H O & 1000! 1 1/0!! W o 0.000
Big Lime	1930'	2016'	Fresh H <sub>2</sub> O @ 1000' 1 1/2" H <sub>2</sub> O @1000
Big Injun	2016'	2081	Gas check @ 2027' - No Show
Sand, shale	2081'	2136'	Gas check & 2027 - No Show
Weir	2136'	2165'	
Sand, shale	2165'	2328'	
Gantz	- 2328'	2363'	
Sand, shale	2363'	2452	
[50Ft.]	2452	2484"	
Sand, shale	2484	2538'	
Gordon Stray	2538'	2585'	
Sand, shale	2585'	2646'	
Gordon	2646'	2664'	
4th	2664'	2757	
Sand, shale	2757'	2826'	
5th	2826'	2912'	
Sand, shale	2912'	3176'	
Warren	3176'	3220'	
Sand, shale	3220'	3356'	
Upper Speechley	3356'	3447'	
Sand, shale	3447'	3530'	
Speechley	3530'	3594'	
Sand, shale	3594'	3692'	
Balltown	36921	3782'	
Sand, shale	3782'	4270'	Gas check @ 3900' 5/10 1" H <sub>2</sub> 0
Bradford	4270 '	4356'	2
Sand, shale	4356'	4540'	
Riley	4540'	4608'	
Sand, shale	4608'	4801'	
*Benson	4801'	4832'	
Sand, shale	4832.	5112'	
Leopold	5112'	5168'	
Sand, shale	5168'	5271'	
Cedar Creek	5271'	5346'	• • • • • • • • • • • • • • • • • • •
Sand, shale	<sup>1</sup> 5346 <sup>1</sup>	' 5553' TD '	

(Attach separate sheets as necessary)

Petroleum Development	Corporation,	Bridgeport,	WV	26330
Well Operator			<del>(1000-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-</del>	
By:				
Date:				·
	-			10 144

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 that, encountered in the drilling of a well."

THIS

for \_





OIL & GAS DIVISION DEPT. OF MINES

## Oil and Gas Division

## OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE May 5, 1981
Surface Owner James M. Cumpston	Company Petroleum Development Corporation
Address Rt. 1 New Milton, WV 26411	Address P O. Box 26, Bridgeport, WV 26301
Mineral Owner Forrest J. Nicholson, et al	Farm Meredith Nicholson Acres 37
Address P. O. Box 302 Bridgeport, WV 26	330 Location (waters) Indian Fork
Coal Owner Same as Surface	TOCOLOSI (MERCEL)
Address	40 4 C V C L L L L L L L L L L L L L L L L L
	The first of the second
Address	QuadrangleNew Milton
PERMIT MUST BE POSTED AT THE WELL SITE	THE REAL PROPERTY OF THE PROPE
rovicions being in accordance of a	
The transfer of the second sec	INSPECTOR
and the state of t	TO BE NOTIFIED Paul Garrett
"Y' is the Ye not commenced by	The state of the s
	ADDRESS 321 Beech St. Clarksburg, WV 26301
puty Director - Oil & Gas Division	PHONE 622-3871
GENTLEMEN:	
TO NOW HERE OF THE PARTY OF THE CONTROL OF THE PARTY OF T	
title thereto (or as the service to drill upon the	he above named farm or tract of land for oil and gas, having fee
icholson, et al Petroleum Developme	dated May 6 19 78 by Meredith D.
made to	ent Corund recorded on the 17th day of May
19 78 in Doddridge County, Book 103	Page
NEW WELLDRILL DEEPER	REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLE	ED BEFORE JUNE 5, 1969.
The enclosed plat was prepared by a registered engineer	or licensed land surveyor and all coal owners and/or operators
have been notified as of the above date.	and coar owners and/or operators
The above named coal owners and/or operator are hereby o make by Section 3 of the Code, must be received by, or	notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. *
Copies of this notice and the enclosed plat were mailed by	If registered mail or delineral 4- 41
ame day with the mailing or delivery of this copy to the De	epartment of Mines at Charleston, West Virginia.
NI PÂCE CUDMITE CODIEC OD ATT	Very truly yours, // // //
PLEASE SUBMIT COPIES OF ALL SEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name Chny. // lehell
	Well Operator
EST VIRGINIA GEOLOGICAL AND	PETROLEUM DEVELOPMENT CORPORATION P. O. Box 26
CONOMIC SURVEY Addre	ess Street
of O. BOX 879 of Well Ope	erator Bridgeport
C-304 - 292-6331	Gity or Town
	West Virginia 26330
	State State

\*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting and the well operator authorized to proceed.

47 - 017 - 2999 PERMIT NUMBER

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

TROPOSED WORK ORDER T	O AA DRILL	DEEPEN	FRACTURE-STIMULATE			
DRILLING CONTRACTOR: ()	If Known)	RESPONSIBLE AGEN	RESPONSIBLE AGENT:			
NAME Unknown		NAME Petroleu	m Development Corporation			
ADDRESS		ADDRESS P. O. B	ADDRESS P. O. Box 26 Bridgeport, WV 2633			
TELEPHONE		201 010 (05)				
ESTIMATED DEPTH OF COM	PLETED WELL: 5800'		CABLE TOOLS			
PROPOSED GEOLOGICAL FOR			CABLE TOOLS			
TYPE OF WELL: OIL	GAS XX	TOMB CODE	GE DISPOSAL			
	57 57 57 5 57 5 57 5 57 5 57 5 57 5 57	STORA	GE DISPOSAL			
	RECYCL	ING WATER F	LOOD OTHER			
TENTATIVE CASING PROGRA	M:					
HARMONALAMASTA						
CASING AND TUBING	were consistent in the authorization of the construction of the c	по таком с оченовательно по место по постанивающих постани	CEMENT HILL UP			
SIZE:	DRILLING	WELL	OR SACKS - CUBIC FT.			
20 - 16	NOTES COMMINGER PRODUCTION THE PRODUCTION CONTRACTOR COMMINGER PRODUCT CONTRACTOR CONTRA	40	THE RESERVE OF THE PROPERTY OF			
XXXXX 11 3/4"	440 	the state of the s	Surface			
16. TOTAL COMMENT - TO THE PROPERTY AND THE PROPERTY OF THE PR	Commence Appropriate Control State Control Con					
5 - 5/8	1800	1800	Circulate from TD to surface			
And the second second programmed and the second sec			The state of the s			
1. All and the control of the contro	CONTRACTOR OF THE PROPERTY OF	5300	500 sacks			
			The second secon			
1 IRCES	CONTRACTOR OF THE CONTRACTOR OF T	The state of the s	Perf. Bottom Perf. Top			
		Principal and Audit (Audit of Statement (Audit	Perf. Top			
			Perf. Bottom			
TO DRILL DEEPER OR REDRIE	LL:		BOND AND PERMANENT COPY			
SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR T MUST ALSO BE SUBMITTE	THE COURSE OF A DESCRIPTION OF A STATE OF THE STATE OF TH	NAL PERMIT NUMBER A DPY OF THE PLAT AND	ND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD			
FRACTURE - STIMULATE						
OIL AND/OR GAS WELL O BOND, PERMANENT PLAT	RIGINALLY DRILLED BEFOR AND ORIGINAL WELL REC	RE JUNE 5, 1929, FIVE (5)	COPIES OG - 1, PERFORMANCE			
OIL AND/OR GAS WELL O	RIGINALLY DRILLED ON AN MBER,AND PERFORMANCE	ID/OR AFTER HIME 5 10	29, FIVE COPIES OG - 1, SHOW-			
Required forms must be filed four (24) hours in advance.	d within ninety (90) days of e	umpletion for bond release.	. Inspector to be notified twenty-			
The second secon						
The following waiver must	e completed by the and	total if the				
			issued within ten days of receipt			
ture lease have examine	ed and place on our mine ma	ps this proposed well locat				
we the providing operator has c	Coal Company h omplied with all rules and regul	ave no objections to said wattions in Articles 4, 5, and	vell being drilled at this location, 7, Chapter 22 of the West Virginia			
		P	or Coal Company			
		more than a make refer to the second of the second of the second debut to the second of the second o	Official Title			