



(Rev 8-81)

State of Mest Virginia

Bepariment of Mines Gil und Gas Bivision

Date 1	March 1.	1982	
Opera			
Well	No. Sniv	rely #	1
Farm	Gary Sn	ively	
ADT N	n 47 -	073 -	1408

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

ADDRESS 417% Second Street St. Marys, WV SIZE SURFACE CWNER Gary Snively 26170 ADDRESS Route 1 St. Marys, WV 26170 MINERAL RIGHTS CWNER Same ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK William Blosser ADDRESS Fairmont, WV 26554 PERMIT ISSUED 47-073-1408 December 23, 1981 DRILLING COMPLETED January 8, 1982 DRILLING COMPLETED January 23, 1982 DRILLING COMPLETED January 23, 1982 DRILLING COMPLETED January 23, 1982 DRILLING COMPLETED JANUARY SOR CENORING. VERBAL PERMISSION OBTAINED ON N/A GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 5410-5496 feet Water strata depth: Fresh 67' feet; Salt None feet Coal seam depths: None OPEN FLOW DATA Alexander Sycamoke Producing formation Marcellus Shale Depth 5440-5472 fee Gas: Initial open flow 420	WEIL TYPE: Oil X / Gas X / Liquid Injection (If "Gas," Production X / Underground	n/Wast und Storag	e Disposa e/ Deep	l/ p/ Sha	llow/)
COMPANY Klondike Development Corp. ADDRESS P. O. Box 11 Middlebourne, WV DESIGNATED ACRIT Frank E. Pethtel 261490011 ADDRESS 417% Second Street St. Marys, WV SURFACE CAMER Gary Snively 26170 ADDRESS Route 1 St. Marys, WV 26170 MINERAL RIGHTS CAMER Same ADDRESS GOUTE 1 St. Marys, WV 26170 MINERAL RIGHTS CAMER Same ADDRESS Fairmont, WV 26554 PERMIT ISSUED 47-073-1408 December 23, 1981 Blosser ADDRESS Fairmont, WV 26554 PERMIT ISSUED 47-073-1408 December 23, 1982 PRILLING COMPENED January 8, 1982 PRILLING COMPENED January 27, 1982 PRILLING COMPENED January 27, 1982 PRAPPLICABLE: PRINGENO FORK HOLE ON CONTINUOUS PROCRESSION FROM DRILLING OR REMORKING. VERBAL PERMISSION OBTAINED ON NA GEDICAGICAL TARGET FORMATION Marcellus Shale Depth of completed well 5496 Mater strata depth: Fresh 67' feet; Salt None feet Coal seam depths; None Is coal being mined in the area? None ALEXANDÉE: Producing formation Marcellus Shale Producing formation Marcellus Shale Gas: Initial open flow 660 Mcf/d Final open flow Show BbL, Final open flow 420. Mcf/d Time of open flow between initial and final tests 96 hours Static rock pressure 1135 psig (surface measurement) after 12 hours shut: (If applicable due to multiple completion) Second producing formation None Pay zone depth None Pay zo	IOCATION: Elevation: 701 Watershed Les	ft Fork F	rench Cr	eek	
COMPANY Klondike Development Corp. ADDRESS P. O. Box 11 Middlebourne, WV DESIGNATED AGENT Frank E. Pethtel 261450011 ADDRESS 417% Second Street St. Marys, WV SURFACE OWNER Gary Snively 26170 ADDRESS Route 1 St. Marys, WV 26170 ADDRESS Route 1 St. Marys, WV 26170 ADDRESS Route 2 St. Marys, WV 26170 ADDRESS Route 3 St. Marys, WV 26170 ADDRESS Boute 3 St. Marys, WV 26170 ADDRESS Boute 4 St. Marys, WV 26170 ADDRESS Fairmont, WV 26554 PERMIT ISSUED 47-073-1408 December 23, 1981 Blosser ADDRESS Fairmont, WV 26554 PERMIT ISSUED 47-073-1408 December 23, 1982 DRILLING COMPANED January 8, 1982 DRILLING COMPANED January 8, 1982 DRILLING COMPANED January 23, 1982 DRILLING COMPETED January 23, 1982 DRILLING COMPETED January 23, 1982 DRILLING COMPETED January 8, 1982 DRILLING COMPETED JANUARY 25, 1982 DRILLING COMPETED JANUARY 26, 1982 DRILLING COMPETED JANUARY 26, 1982 DRILLING COMPETED JANUARY 26, 1982 DRILLING COMPETED JANUARY 25, 1982 DRILLING COMPETED JANUARY 25, 1982 TAPPLICABLE: FUNCHING OR RECORDS FROM PRILLING OR RECORDS FROM PRILLIN					
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Time of open flow between initial and final tests None hours					
Static rock pressure None psig(surface measurement) after None hours shut					
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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforations: 4883, 4885, 4889, 4891, 4893, 4975, 4977, 4979, 4981, 4983, 5076, 5078, 5080, 5082, 5084, 5086, 5096, 5098, 5100, 5102, 5132, 5134, 5172, 5174, 5176, 5178, 5180, 5277, 5279, 5281, 5353, 5355, 5357, 5363, 5365, 5441, 5442, 5443.
Poam frac 783,000 SCF of N2, 55,000 LBS. 20/50 sand, 9240 GAL. H20, 2100 LBS. KCL, 55 GAL. pen-5, 42 LBS. ferchek, average treatment pressure 2975 LBS. instant shut in 1500 LBS.

4883 - 4893 4975 - 4983 5076 - 5086 5096 - 5102 5132 - 5134 5172 - 5180 5277-5281 5353-5365 5441-5443

Phinestreet

WELL LOG

The control of the co			REMARKS		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET			
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and and shale gray soft ale gray soft and and shale gray soft and and shale brown soft	2050 2445 3250 3468 3710 3880 3970 4360 4360 5410	2445 3250 3468 3710 3880 3970 4320 4360 5020 5410 5495 TD	1850 Barea		
ONON DAGE A			3033 *3591 Rhinestreet		

(Attach separate sheets as necessary)

Klondike Development Corporation

Well Operator

By: Frank f. 1, 1982

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."

CHARLESTON, WV 25311 Telephone - 304/348-3092



API #47 - 073 - 1408

Date December 11, 1931

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF HINES

OIL AND GAS WELL	PERMIT APPLICATION
WELL TYPE: Oil XXX Gas XXX	
(If "Gas", Production xxx/ Un	derground storage / Deep xxx/ Shallow /
LOCATION: Elevation: 701 Waters District: McKim County	hed: Left Fork French Creek : PLES. Quadrangle: Shultz
WELL OPERATOR Klondike Development Con Address P.O. Box 11	Address 417% Second Street
Middlebourne, WV 26149	St. Marys, WV 26170
ROYALTY OWNER Gary D. Snively Address St. Marys, WV 26170	COAL OPERATOR None Address
Acreage 90 (ninety)	COAL OWER (C) WITH DECLARATION ON DE ODD-
SURFACE OWNER Same	COAL OWNER(S) WITH DECLARATION ON REJORD: NAME Same Address
Acreage	NAMEAddress
FIELD SALE (IF MADE) TO:	Address
Address	COAL LESSEE WITH DECLARATION ON RECORD: NAME None
OIL AND GAS INSPECTOR TO BE NOTIFIED:	Address RECEIVED
NAME Mr. Phillip Tracey Address Middlebourne, WV 26149	DEC 2 3 1981
Telephone 304-758-4573	OIL AND GAS DIVISION WY DEPARTMENT OF MINES
The undersigned well operator is entiabove location under a deed leasexto the undersigned well operator from Garage (If said deed, lease, or other contract) has	tled to operate for oil or gas purposes at the / other contract / dated Nov.28, 1981, my D. Snively St. Marys, WV 26170
20 E	office of the Clerk of County Commission of
	Deed 169 Book at page 579. A permit is
requested as follows: PROPOSED WORK: Drill XXX / Drill Deepe	r / Redrill / Fracture or stimulate / / Perforate new formation /
The above named coal operator, coal owner objection they wish to make or are required Department of Mines within fifteen (15) describes of this Permit Application and the mailed by registered mail or delivered by	he work order on the reverse side hereof. (s), and coal lessee are hereby notified that any of the document of this Application by the Dept enclosed plat and reclamation plan have been hand to the above named coal operator, coal ownday of the mailing or delivery of this Application West Virginia.
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	Klondike Development Corporation Well Operator
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1613 WASHINGTON ST., E.	By Frank & Belletel

(Revised 3-81)

PROPOSED WORK ORDER

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Is coal							XX /		
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CASING OR TUBING TYPE			Weight per ft	•		For Dril	- Left in	UP OR SACKS	And the second s
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Fresh water				ļ					Sizes
Coal	: 18 5/8	H40	231bs	YY	- 	4.3040	801	To surf.	·
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The undersi- location ha area of the signed has well operat the governi	gned cos exami well hoo objection	see who such we will ope ined the location compli	thin fif	cordection of technology of the constant of th	wher well location	Laration Lays of VER lesse cation. on has be	e / of If a min en added done at t	the coal unce map exists to the mine rhighlocation of the West	if the permit der this well which covers the map. The under- provided the Virginia Code and
Date:			<i></i>	_		· · · · · · · · · · · · · · · · · · ·		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
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