

6-6 Bearsville

S WEST D

IV-35 (Rev 8-81)

## MAY 2 9 1987

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY State of Mest Nirginiu
Department of Mines
noisivice and ban hill

Date	9/4/81	
Operato	or's	
Well No	0#1	
Farm Le	eroy Ripley	
API No.	.47 - 095	- 0868

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR S	TIMU	LATING, C	OR PHYSICAL	CIVANGE		
WELL TYPE: Oil X / Gas X / Liquid Injec (If "Gas," Production X / Under	grou	nd Storag	ge/ Deep	/ / Sha	illow	_/)
LOCATION: Elevation: 995 Watershed	M:	iddle Isla	and Creek			
District: Centerville County !	Tyle	<u> </u>	Quadrangle	Shirle	<b>∍y</b>	-
		`				
COMPANY Middle Island Construction, Inc.			Section and the section of the secti		,	
ADDRESS Star Rt., Middlebourne, WV 26149	•	Casina	Used in	r stik	Cumer	it
DESIGNATED AGENT Ronald L. Hoover	-	Casing Tubing	Drilling		fill Cu.	- 1
ADDRESS Middlebourne, WV 26149	-	Size	DETITIE	TII AACILI	1	1.1
SURFACE OWNER Leroy E. Ripley, Jr.		20-16	201	201		
ADDRESS Alma, WV	-	Cond.			1	
MINERAL RICHIS OWNER Leroy E. Ripley, Jr.	-	13-10"				
ADDRESS Alma, WV	-	9 5/8	4.076	1076	212	sack
OIL AND GAS INSPECTOR FOR THIS WORK	-	8 5/8	1076		1212	Baok
P. Tracy ADDRESS Alma, WV	<b></b>	7	12501	0	-	
PERMIT ISSUED 10/1/80	-	5 1/2			+	
DRILLING COMMENCED 10/14/80		4 1/2		4250	450	sacks
DRILLING COMPLETED 11/6/80 V	-	3				
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON		Liners used				New down with the control of the con
GEOLOGICAL TARGET FORMATION Ohio Shale			Dep	th 425	0	fuet
Depth of completed well 1,250 fee	et 1	Rotary X	/ Cabl	e Tools_		
Water strata depth: Fresh 85 fee						
Coal seam depths: NA					area	
OPEN FLOW DATA			•			
		Pa	y zone dep	th 2455		Least
Gas: Initial open flow 150 Mcf.						
Final open flow 50 Mcf	/d	Fi	nal open f	low	)	ubl/d
Time of open flow between						,,,,,,,
Static rock pressure 425 psig(su						ut in
(If applicable due to multiple comple			•	-		
Second producing formation			av zone den	oth		Leet
Gas: Initial open flow Mcf						
Final open flow Mcf						
Time of open flow between						
Static rock pressure psig(sur						. W. A. S.

DETAILS OF PERFORMTED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHARGE, HIC.

Plug set at 2500' & perforated zones were 6 shots from 2451 to 2453; 9 shots from 2457 to 2460. Foam frac using 500 gal acid, 960 BBL water, 45,000 sand & 722,000 cf of nitrogen was used.

WELL LIX

·				CONTROL Y	
					REMARKS
FORMATION	מו מחווש	RD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all free
FURMATION	WIDK IIA	NO ON SOLI	101 11.51		and salt water, coal, oil and ga
Clay	yellow	soft	0	11	
SS.	grey	hard	11	70	
Shale	grey	soft	70	110	,
Shale	red	soft	110	140	
SS	grey	hard	140 .	210	
Shale	grey	soft	210	340	IN GOOD OF THE
SS	brown	hard	340	410	MAY 20 cocs
Shale	grey	soft	410	570	MAY 2 9 1987
SS	grey	hard	570	620	DIMBION OF OU
Shale	grey	soft	620	810	DIVISION OF OIL & GAS
SS	grey	hard	810	890	DEPARTMENT OF ENERGY
Shale	red	soft	890	910	
SS	brown	hard	910	1010	
Shale	grey	soft	1010	1050	
SS	grey	hard	1050	1083	
Shale	grey	soft	1083	1154	
SS	grey	hard	1154	1164	
Shale	grey	soft	1164	1196	
SS	grey	hard	1196	1210	gas sand
Shale	grey	hard	1210	1254	
SS	grey	hard	1254	1320	
Shale	grey	soft	1320	1395	
SS	grey	hard	1395	1456	1st salt sand
Shale	grey	soft	1456	1488	
SS	white	hard	1488	1603	2nd salt sand
Sand & sh		hard	, 1603	1708	7 20
SS	white	hard	1708	1722	3rd salt sand
Shale	grey	soft	1722	1778	•
Sandstone		hard	1778	1788	Maxon
Pencil Ca	ve-red	soft	1788	1825	
SS	grey	hard	1825	1855	
Big Lime	Limestone-g	rey-hard	1855	1908	**
Keener -	SS-white	· hard	1908	1953	
Big Injur	n-SS-white	hard	1903	2053	•
	-white-grey	hard	2053	2096	-
SS & Shal	le grey	hard	2096	2316	
Weir-SS	grey	hard	2316	2369	
Shale	grey	soft	2369	1 5448	
Berea SS	grey	hard	2448	2460	
Shale	grey	soft	2460	24,98	S ZIC MAZARCZINII)
			(Attach be	parate sneets	s as necessary)

Well Operator

By: W. F. Margine

Date: 9/4 21

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 only, encountered in the drilling of a well."

WELL LLC

				AMA	REMARKS
FORMATION	I WILDIR	THOS NO WIAH	TOP FEET	BOLLOW LEFT.	tresh
Shale 30 Food Shale Gordon- Shale 4th San Shale 5th San Shale Shale Shale Shale Ballton Shale Riley- Shale Riley- Shale	grey  G-SS-grey grey grey  Silt Stor grey  A-Siltstor grey  A-Siltstor brown		2498 2506 2586 2611 2694 2704 2774 2808 2876 2900 2972 2990 3030 3048 3200 3222 3395 3430 3756 3800 3923 3932 4158	2506 2586 2611 2694 2704 2774 2808 2876 2900 2972 2990 3030 3048 3200 3222 3395 3430 3756 3800 3923 3932 4130 4158 4230	MAY 29 1987  DIVISION OF OIL & GAS DEPARTMENT OF ENERGY -

FORM IV-2 (Obverse)

## STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date	:	*		_

Well No.	S	250107	1
	-		 

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OIL AND GAS WELL	L PERMIT APPLICATION Well No.
WELL TYPE: Oil X / Gas XX /	APT 14017 No. 005 0066
(If "Gas", Production/ Undergr	round storage/ Deep/ Shallow/)
LOCATION: Elevation: Watershe	ed:
	Quadrangle:
WÈLL OPERATOR	
Address	and the second s
Middlebourne, W 25th	
OIL & GAS ROYALTY OWNER	
Address	
	Address
Acreage	COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER	Name
Address	NameAddress
Acreage	Name
FIELD SALE (IF MADE) TO:	Address
Name	
Address	COAL LESSEE WITH DECLARATION ON RECORD:
OIL & GAS INSPECTOR TO BE NOTIFIED	NameAddress
Name	00T = 1980
Address	
	CR & GAS DIVISION  [DE FUT   GF   MINE
The undersigned well operator is entitled	d to operate for oil or gas purnoses at the above
location under a deed/ lease 👗 / other	contract/ dated 1 10 to the
undersigned well operator from	
[If said deed, lease, or other contract has been re	ecorded:]
Recorded on, 1977, in the office	of the Clerk of the County Commission of
Jounty, West Virginia, in Book 220	at page A permit is requested as sall
PROPOSED WORK: Drill/ Drill deeper/	Redrill/ Fracture or stimulate/
Plug off old formation/	Perforate new formation/
Other physical change in well	(specify)
planned as shown on the work	order on the reverse side hereof.
The above named coal operator, coal owner objection they wish to make of are required to make	(s), and coal lessee are hereby notified that any by Code § 22-4-3 must be filed with the Department
	we resture whom pile bedartment

of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1615 WASHINGTON STREET EAST CHARLESTON, WV 25311

TELEPHONE: (SULL SESTION

Middle Island Construction Co., Inc.

Well Operator W.F. Woodlum

Ву \_ William F. Woodburn

Its \_\_Vice President

## PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

RILLING CON	TRACTO	R (IF 1	KNOWN)		<u> </u>	ieugiju, Ing.	•	, and a supplemental of the supplemental of th	
			F	Addre	ss <u></u>	initiville.	<b>?</b>	Married Branch American States	
			all had a fine						
EOLOGICAL T.				***************************************				1000	
								Rotary/ (	Cable tools/
								, 1600 feet.	
Approxi	mate c	oal sea	am depth	ns: _	MOME	Is i	coal being n	ined in the area	Yes_/ No_X
SING AND T	UBING	PROGRAI	M						
SING OR	Size	1	IFICATION Weight	Allen	Used		INTERVALS	CEMENT FILL-UP OR SACKS 1 (Cubic feet)	
nductor			381bs	-	X	20			Kinds
esh water									
al									Sizes
itermediate	8 5/8	# 331.O	231%a	X			1100	to surf	
	Li in	355	102108				3900	tie into 85/8	Depths set
bing	2"	enw	4.7	X			3900		
ners									Perforations:
									Top Bottom
					-				
where is HIS	eet of A Arect Learning provision he W. dril	separe rings rsuch ns being Va. Coo	roposed ate Form ornstim on the i	well  N IV-  Stapi:  Form  ordance  cation  This	sha AT 174 IV-2 e with is her permit	all not be near	uired for fr	ny water well or a cacturing or stime for which a permiewith.	ulatina a well
* «	7,9	Mu	20 les	1					
			13il 8/0				10 202 <sup>1</sup> once	ator and by any c	oal owner
01	r coal	lessee	e who ha	is rec	corde	d a declaration (15)	on under Cod	le § 22-4-20, if t	the permit
2.8	5 60 DE	: 135UE	ca wellt	in Ju.	veen	WAIVE			
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ocation has ell location he work pro-	s exam: on, the	ined the well to be	nis prop locatio done at	osed on ha: t thi:	well s bee s loc	location. I n added to the ation, provide	f a mine map mine map. ed, the well	exists which do	vers the area of the has no objection to
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