

DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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1	-			/
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TO THE DEPARTMENT OF MINES, Charleston, W. Va.	DATE July 18, 1979	
Surface Owner Theodore E. Tignor	D C Walcolm	
Dlunden H W-	1006 G G-	
Address Blundon, W. Va. Mineral Owner McKinley Harding, et al		
777 1		
Coal Owner McKinely Harding, et al		
Address		County Kanawha
Coal Operator Not operated	Quadrangle Romance 7.5"	
Address		
THIS PERMIT MUST BE POSTED AT THE WELL SITE		
All provisions being in accordance with Chapter 22,	TNCBECTOR	
of the W. Va. Code, the location is hereby approved	INSPECTOR TO BE NOTIFIED Martin Ni	chols
for This permit shall expire if		y and y
operations have not commenced by 3-19-80	ADDRESS Clendenin, W. Va	•
Deputy Director - Cil & Gas Division GENTLEMEN:	PHONE548-6993	
title thereto, (or as the case may be) under grant or lea Fisher, et al made to Energy Consultants 19, in Kanawha County, Book 202	s, Inc. and recorded on the	
NEW WELLDRILL DEEPER	REDRILL FR	ACTUDE OD STIMILIATE
OIL AND GAS WELL ORIGINALLY DRIL	LED BEFORE JUNE 5, 1969.	
The enclosed plat was prepared by a registered engine have been notified as of the above date.		-
The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by,	eby notified that any objection they wo or filed with the Department of Mines	
		within ten (10) days. *
Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the	d by registered mail, or delivered to the	within ten (10) days. * above named coal operators
Copies of this notice and the enclosed plat were mailed	d by registered mail, or delivered to the day	within ten (10) days. * above named coal operators
Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL	Department of Mines at Charleston, W	within ten (10) days. * above named coal operators
Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the	d by registered mail, or delivered to the day	above named coal operators before, or on the Vest Virginia.
Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL	Department of Mines at Charleston, Wery truly yours, (Sign Name)	above named coal operators before, or on the Vest Virginia.
Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY	Department of Mines at Charleston, Well Operation (Sign Name) Well Operation Well Operation 1006 Commerce Street	above named coal operators before, or on the Vest Virginia.
Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879	Department of Mines at Charleston, Well Operations of Mines at Charleston, Mines at	above named coal operators before, or on the Vest Virginia.
Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	Department of Mines at Charleston, Well Operation of Mines at Charleston of Mines	above named coal operators before, or on the Vest Virginia.
Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879	Department of Mines at Charleston, Well Operations of Charleston Charleston	above named coal operators before, or on the Vest Virginia. Square

*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 the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

47-039-3464

BLANKET BOND

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

PROPOSED WORK ORDER T		DEEPEN FI	RACTURE-STIMULATE			
DRILLING CONTRACTOR: (NAME Union Drilling		RESPONSIBLE AGENT:				
ADDRESS Buckhannon, W	. Va.	ADDRESS 1006 Comme	ADDRESS 1006 Commerce Sq., Charleston			
TELEPHONE 472-4610		TELEPHONE 343-959	3			
ESTIMATED DEPTH OF COM	PLETED WELL: 2375	ROTARY X	CABLE TOOLS			
PROPOSED GEOLOGICAL FO	RMATION: Berea	wa.				
TYPE OF WELL: OIL	GAS	COMB. X STORAGE	DISPOSAL			
		LING WATER FLO				
TENTATIVE CASING PROGRA	AM:					
CACINIC LATE TAXABLE						
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT HIL UP			
20 - 16		WILL	OR SACKS - CUBIC 1-1.			
13 - 10						
9 - 5/8	The fall of the contract of th					
8 - 5/8	2001	2001	surface			
7 a depart	CQOQ (arrange accordance		· Walvala a same			
5 1/2			73.74 (1.00)			
4 ½	23751	2375'				
3	-517	F	Perf. Top			
2			Perf. Bottom			
Liners			Perf. Top			
		THE HEW BUT TA C	Perf. Bottom JA UM9			
MUST ALSO BE SUBMITT OFRACTURE - STIMULATE: OIL AND/OR GAS WELL (BOND, PERMANENT PLA' OIL AND/OR GAS WELL (ING ORIGINAL PERMIT NO	OF OG - 1, SHOWING ORIGINALLY DRILLED BEFORMANELY DRILLED ON A DRIGINAL WELL REDRIGINALLY DRILLED ON A DRIGINALLY DRILLED ON A DRIGINALLY DRILLED ON A DRIGINALLY DRILLED ON A DERFORMANCE OF WITHIN THE PROPERTY OF THE PROPE	GINAL PERMIT NUMBER AND COPY OF THE PLAT AND THE ORE JUNE 5, 1929, FIVE (5) COCORD.	O PERFORMANCE BOND. ON HE ORIGINAL WELL RECORD OPIES OG - 1, PERFORMANCE , FIVE COPIES OG - 1, SHOW-			
797 12 2		perator if the permit is to be iss				
	ned and place on our mine n	naps this proposed well locatio	n.			
We theproviding operator has Code.	Coal Company complied with all rules and re	have no objections to said wel gulations in Articles 4, 5, and 7,	l being drilled at this location, Chapter 22 of the West Zirginia			
		For	Coal Company			
			Official Title			

Operator's McKinley Harding #1

API Well No. 47 - - - State County Permit

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

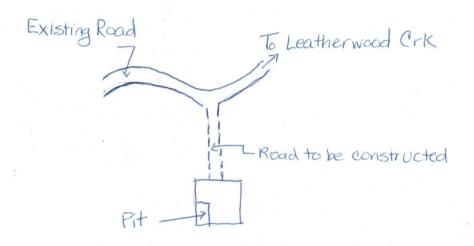
RECLAMATION PLAN

WELL OPERATOR	D. C. Malcolm, Inc.	D. C. Malcolm
Address	1006 Commerce Sq.	Address 1006 Commerce Sq.
	Charleston, W. Va.	Charleston, W. Va.

The well operator hereby agrees to carry out the reclamation requirements of Code 22-4-12b in the manner set out below.

This plan has $\underline{\hspace{1cm}}$ / has not $\underline{\hspace{1cm}}$ X / been reviewed with the district oil and gas inspector.

SKETCH: (Locate and show the (1) well location, (2) existing access road, (3) access road to be constructed, (4) well site, (5) drilling pit(s), and (6) necessary drainage features, including drains (natural and manmade), silt traps, etc.)



STATEMENT OF RECLAMATION PLAN (Complete on reverse side if necessary)

Upon completion, pits will be filled and the location graded and seeded.

JUL 19 1979

JUL 19 1979

OIL & GAS DIVISION

DEPT. OF MINES

	D. C.	Malcolm, Inc. Well Operator	001001000
(2	Well Operator	09/08/2023
1	(10	Man e	
	CH !	Malker	
s	Preside	nt	





State of West Birginia Bepartment of Mines Gil and Gas Division Charleston 25305

OIL & GAS DIVISION
DEPT. OF MINES

This is to acknowledge that the wells listed on the lev	
hereby transferred from D. C. Malcolm, Inc.	
to Ensource, Inc.	(the transferee).
The transferee by this document is accepting all respon	sibility for compliance
with the provisions of Chapter 22 Article 4 of the West Virg	
and regulations promulgated thereunder, for the listed wells	
The transferee's designated agent (name) Michael W. Nuc	gen,
(address) P. O. Drawer 1738, Clarksburg, WV 26301	,
is on file with the Office of Oil and Gas.	
The transferee has bonded the said wells by securities,	cash, or surety (circle one)
bond identified below by amount, effective date, issuing aut	hority, and any identifying
number. \$50,000, Bond No. K00728317 issued by Insurance Comp	pany of North America
effective August 30, 1983. (Blanket Bond for Oil & C	Gas Wells)
(Transferee) Ensource Inc.	
By William) 1/4-2-
77/2001	TOP
Taken, subscribed and sworn to before me this 2nd day of	November
Notary Public (Arasa)	
My commission expires March 23, 19 93	
(Transferor) D. C. Malco	lm, Inc.
By $\bigvee \bigvee \bigvee \bigcap $	lcul
Its President	
Taken, subscribed and sworn to before me this 30th day of	October 19 84
Notary Public Cathy 7/ dimense	
My commission expires 9-21 1992 Commissioned as Cathy L. Hansford	
ACCEPTED THIS DAY OF &	April , 19 85
By: Telestander Colored Gas	09/08/2023

API (Permit) Number	Farm Name	Operator's Well Number
47 - 079 - 930	Vangilder	1
47- 079- 932	Burns	1
47- 079- 924	Joyce	1
47- 039- 3464	Harding	_ 1
47- 039- 3468	Harding	2
47- 039- 3357	Orlandi	1
47- 039- 3358	Orlandi	2
47- 039- 3516	Orlandi	3
47- 097- 1881	Cottrill	_ 1
47- 097- 1882	Cottrill	_ 2
47- 039- 3456	I-79	_ 1
47- 039- 3463 -	I-79	2
47- 039- 3626	I-79	3
47- 021- 3405	Gerwig & Karickhoff	1-A
47- 021- 3406	Gerwig & Karickhoff	2-A
47- 099- 1598	Adkins	_ 1
47- 015- 1665	Mullins	1
	•	
fi,.		ACCORTEG PHS

16100



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OCT - 9 1979

Oil and Gas Division WELL RECORD

Quadrangle Romance

Permit No. Kan 3464

Coal was encountered at _

Fresh water_

	OIL	&	GAS	DIVISION
D	EP	T.	OF	MINES.

Oil
GasX
Comb
Storage
(Kind)

Feet .

Company C. Malcolm, Inc. Addres 1006 Commerce Sq., Charleston, W	· Va Casing and	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Farm McKinley Harding Acres 133		8		(5.15.)
Location (waters) <u>Coon Creek</u>	Size			
Well No. 1 Elev. 988 K . B	• 20-16			
District Poca County Kanawha	Cond.			
The surface of tract is owned in fee by	13-10"			
T. E. Tignor	9 5/8			
Address Blundon, W. Va.	8 5/8	200	200 •	to surface
Mineral rights are owned by McKinley Harding	7			
et al Address	5 1/2			
Drilling Commenced 7-23-79	4 1/2	2451	2451	140 SX
Drilling Commenced 7-23-79 Drilling Completed 8-1-79	3			thixatropic
Initial open flow bbls.	2	2285	2285	on packer
Final production 350000 cu. ft. per day bbls.	Liners Used	-220	10100	on paonor
Well open 11 hrs. before test 400 RP.				
Well treatment details:	Attach copy of o	ementing reco	d.	
Frac Berea thru perfs 2285-2288-1				5 bbls water
5000# 80/100, 30,000# 20/40.				
Acidize Big Lime thru perss 1815-	1817 (3 hole	es), 1833	-1835 (3 holes).
1850-1853 (6 holes) w/1000 g	als 28 %, 30	000 gals	15%.	

Depth 2282-2293 Producing Sand Berea Formation Color Hard or Soft Top Feet Bottom Feet Oil, Gas or Water * Remarks Sand & Shale 250 0 250 335 1298 Shale 335 1298 Sand & Shale Sand 1700 1700 Shale 1709 Big Lime Sand (Injun) 1860 1709 1881 1860 Shale 1881 2282 2282 Sand 2293 Shale 2388 2293 T.D. 09/08/2023

Feet

Feet .

_ Inches

Salt Water 1470

(over)

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

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
6/6/	1. 1. 1.			1 2 1 (2 2 2 2 2 2	
			oversië :		
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Date October 1	19 79
APPROVED D. C. Malcolm, Inc.	Owne
By Malen Preside	nt

FORM IV-26 (Obverse) [08-78]

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

API Well No.

INSPECTOR'S WELL REPORT ON

			PERM.	TIED	WORK	EXCEPT PLUGG	ING AND ABANI	DONMENT	
WELL TYPE:	011	_/ 0	as_V	/ :	Liquid	Injection	/ Waste	Disposal/	./
	(If "Ga	as", Pr	oductio	n	_/	Underground :	storage/	Deep/	Shallow //
								-ee/k	
	Distri	et: F	DOCO	-		County: //6	nawha	Quadrangle:	
WELL OPERATO							DESIGNATED A	GENT D.C.	malcolm
Address							Address		eston, uva
	Ch	01-10	sto	4,6	evo			Charle	eston, uva
DRILLING CON	TRACTOR	Un	lon	Dr	Mi	isco	SERVICE COMP	ANIES Wale	buston
Address						/			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	8	uck.	hann	Ru	w	/ ป			
WELL DATA:									
Drillin	g comme	enced_	7.		24	_, 19 <u>79</u> ; 6	completed		, 19
Total De	epth				feet				
						on	,	19 at a dep	th offeat
Open Fl	ow: In	nitial,	/	LOths	Water	ininc	hes; after to	abing,/loths	Merc. ininche5
Other w	ork con	mmenced	i			, 19	_; completed		, 19
Gas Vol	ume		Mcf	011	Volum	neB	bl.		
Rock Pr	essure		psig	g aft	er	hrs.			
Fresh w	ater er	ncounte	ered (de	pths)				*
						None and the Burney of the second			
CASING AND T	UBING	PROGRAI	M						
CASING OR	H	SPEC	IFICATI	ONS		FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft	New	Used	For drilling	Left in wel	OR SACKS (Cubic feet)	
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate	83%					200	200	100 Bog 6	
Production								/	Depths. set
Tubing						2			
Liners									Perforations:
									Top Bottom

DATES OF INSPECTOR'S PREVIOUS VISITS TO WELL

DATE OF INSPECTOR'S LATEST VISIT TO WELL

Plug dewn at 945' Am Circulated

JUL 2 7 1979

OIL & GAS (198/2023 DEPT. OF MINES

NOTE: This form is used for both a daily inspection record and the inspector's final report after the completion of the permitted work.

FORM IV-26 (Reverse)	Date:, 19
STATE OF WE	Operator's OIL AND GAS DIVISION Well No.
	API Well No. 47 State County Permit
	ON .
P L 0 C	GGING
WELL TYPE: Oil/ Gas/ Liquid Injecti	Lon/ Waste Disposal/
(If "Gas", Production/ Undergro	ound storage/ Deep/ Shallow/)
LOCATION: Elevation: Watershed	1:
District: County:	Quadrangle:
WELL OPERATOR	DESIGNATED AGENT
Address	
PLUGGING CONTRACTOR	SERVICE COMPANIES (NAMES ONLY)
Address	
PERMITTED WORK: Plug and abandon/ Clean o	ut and replug/
PLUGGING MATERIALS	
Type of Other Cement Materials Depth Thickness	
Cement Materials Depth Thickness	
Bridge Plugs Head-Tune and Denth	
Bridge Plugs UsedType and Depth	
VENT PIPE	
MISCELLANEOUS MATERIALS	
CASING LOST	
TYPE OF RIG:	
Owner: Well Op'r/ Contractor/	
Rig time: days plus hours	
Rig time: days plus nours	
DATES OF INSPECTOR'S PREVIOUS VISITS TO WELL	
DATE OF INSPECTOR'S LATEST VISIT TO WELL	
INSPECTOR'S AND OTHER REMARKS:	
Milland Linear	
1070	
	09/08/2023
OH & GAS DAVISION	03/00/2023
CENTAL LABO.	
the state of the s	
NOTE: This form is used for both a daily	
inspection record and the inspector's final report after the completion of	District Oil and Gas Inspector
the permitted work.	200 2001

0	pe	rat	or	S

10-26,1979

[08-78]

STATE OF WEST VIRGINIA
OIL & GAS DIVISION PARTMENT OF MINES, OIL AND GAS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

PERMITTED WORK EXCEPT PLUGGING AND ABANDONMENT

OCATION:	Elevati	on:			Wa	atershe	ed:(Coon	C1-6	28/6				
		_						awha						
ELL OPERATO								DESIGNATE	D AGENT		C.	mal	cal	m
Address	C	hat	esto	nic	W	-	-	Addre	ess	Che	e1-/+	ston	w	la
ILLING CON	TRACTOR							SERVICE CO	OMPANII	ES				
Address														
	777													
LL DATA:												1.0		
								ompleted_				, 19		
Total D														6
Fractur	ing	_/ S	timulat	ion		on			_, 19	at.	a der	r or		reis
									Acres de deser		120			1 4 - 4
Open Fl	ow: In	itial,	/1	Oths	Water	in	inch	nes; after	tubin	8,	/10ths	Merc. in		inches
								es; after ; complet						inches
Other w	ork com	menced					19		ed					inches
Other w	ork com	menced	Mcf	Oil	Volum	e,	19Bt	; complet	ed					inches
Other w Gas Vol Rock Pr	ork com umeessure_	menced	Mcf psig	Oil afte	Volum r	ehr:	19Bt	; complet	ed			, 19_		inche 5
Other w Gas Vol Rock Pr Fresh w	ork com ume essure_ ater en	menced	Mcf ps1g red (de	011; afte	Volum	ehr:	Bt	; complet	ed			, 19_		inches
Other w Gas Vol Rock Pr Fresh w Salt wa	ork com ume essure_ ater en	menced counter	Mcf psig red (de	Oil; afte	Volum	ehr:	Bt	; complet	ed			, 19_		inches
Other w Gas Vol Rock Pr Fresh w Salt wa Coal se	essure_ ater enc	counter	mcfpsig red (de ed (dep	Oil; afte	Volum	ehr:	Bt	; complet	ed			, 19_		inches
Other w Gas Vol Rock Pr Fresh w Salt wa Coal se	ork com ume essure_ ater en ter enc ams enc	counter ounter PROGRAM	Mcfpsig red (de ed (dep ed (dep	Oil (afte (pths) (ths) (ths)	Volum	ehr:	Br.	; complet	ed	EMENT F	ILL-UP	, 19_		
Other w Gas Vol Rock Pr Fresh w Salt wa Coal se SING AND T	ork com ume essure_ ater en ter enc ams enc	counter ounter PROGRAM	Mcfpsig red (de ed (dep ed (dep	Oil (afte (pths) (ths) (ths)	Volum	ehr:	Br.	; complet	ed	EMENT F	ILL-UP CKS Ceet)	, 19_		
Other w Gas Vol Rock Pr Fresh w Salt wa Coal se ASING AND T ASING OR JBING TYPE	ork com ume essure_ ater en ter enc ams enc	counter ounter PROGRAM	Mcfpsig red (de ed (dep ed (dep	Oil (afte (pths) (ths) (ths)	Volum	ehr:	Br.	; complet	ed	EMENT F	ILL-UP CKS Ceet)	, 19_		
Other w Gas Vol Rock Pr Fresh w Salt wa Coal se ASING AND T ASING OR JBING TYPE	ork com ume essure_ ater en ter enc ams enc	counter ounter PROGRAM	Mcfpsig red (de ed (dep ed (dep fFICATION Weight	Oil (afte (pths) (ths) (ths)	Volum	ehr:	Br.	; complet	ed	EMENT F	ILL-UP CKS Ceet)	, 19_		
Other w Gas Vol Rock Pr Fresh w Salt wa Coal se ASING AND T ASING OR JEING TYPE Conductor Teesh water Coal	essure_ ater encember	counter ounter PROGRAM	Mcfpsig red (de ed (dep ed (dep fFICATION Weight	Oil (afte (pths) (ths) (ths)	Volum	ehr:	Br.	; complet	ed	EMENT F	ILL-UP CKS Ceet)	Kinds		
Other w Gas Vol Rock Pr Fresh w Salt wa Coal se ASING AND TO ASING OR JBING TYPE Conductor Tesh water cal	essure_ ater encember	counter ounter PROGRAM	Mcfpsig red (de ed (dep ed (dep fFICATION Weight	Oil (afte (pths) (ths) (ths)	Volum	ehr:	Br.	; complet	ed	EMENT F	ILL-UP CKS Ceet)	Kinds	PACKER	
Other w Gas Vol Rock Pr Fresh w Salt wa Coal se ASING AND T ASING OR ABING TYPE Conductor resh water coal stermediate	essure_ ater encember	counter ounter PROGRAM	Mcfpsig red (de ed (dep ed (dep fFICATION Weight	Oil (afte (pths) (ths) (ths)	Volum	ehr:	Br.	; complet	ed	EMENT F	ILL-UP CKS Ceet)	Kinds Sizes	PACKER	
Other w Gas Vol Rock Pr Fresh w Salt wa	essure_ ater encember	counter ounter PROGRAM	Mcfpsig red (de ed (dep ed (dep fFICATION Weight	Oil (afte (pths) (ths) (ths)	Volum	ehr:	Br.	; complet	ed	EMENT F	ILL-UP CKS Ceet)	Kinds Sizes	PACKER	
Other w Gas Vol Rock Pr Fresh w Salt wa Coal se ASING AND T ASING TYPE Conductor resh water coal atermediate	essure_ ater encember	counter ounter PROGRAM	Mcfpsig red (de ed (dep ed (dep fFICATION Weight	Oil (afte (pths) (ths) (ths)	Volum	ehr:	Br.	; complet	ed	EMENT F	ILL-UP CKS Ceet)	Kinds Sizes Depths s	PACKER et	

DATE OF INSPECTOR'S LATEST VISIT TO WELL

Road to Location need Reclaimed Well not Connected For Production_ Pit nut filled. Tree Shoved over the hill- Creek demed up near Location 09/08/2023 needs_ Grass Seed and Lot of work; 508

NOTE: This form is used for both a daily inspection record and the inspector final report after the completion of the permitted work.

FORM IV-26 (Reverse)	
[08-78]	

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

Date.	, ,	
Operator's	,	
Well No.		

		INSPECTOR'S	WELL	REPO

PERMITTED WORK: Plug and abandon ____/ Clean out and replug _

API Well No. 47 - State County Permit

		P L U G G	I N G	State Country Termit
WELL TYPE:	Oil/ Gas/	Liquid Injection_	/ Waste Disposal/	
	(If "Gas", Production_	/ Underground	storage/ Deep/ Sh	allow/)
LOCATION:	Elevation:	Watershed: _		
	District:	County:	Quadrangle:	
WELL OPERAT	OR		DESIGNATED AGENT	•
Addres	s	,	Address	
			A. A	
PLUGGING CO	NTRACTOR		SERVICE COMPANIES (NAMES ONLY)	
Addres	s			
	3			

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness
	-		
Bridge Plu	igs UsedTy	pe and De	pth

VENT PIPE			
MISCELLANE	EOUS MATERIA	LS	
CASING LOS	ST		
TYPE OF R	G:		
Owner:	Well Op'r	_/ Contr	ractor/
Rig time	e: days	plus	hours

DATES OF INSPECTOR'S PREVIOUS VISITS TO WELL

DATE OF INSPECTOR'S LATEST VISIT TO WELL INSPECTOR'S AND OTHER REMARKS:

09/08/2023

NOTE: This form is used for both a daily inspection record and the inspector's final report after the completion of the permitted work.

District Oil and Gas Inspector







State of Mest Birginia

OIL & GAS DIVISION
DEPT. OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Department of Mines Gil and Gas Division Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
May 3, 1984

	May 3, 19	84
COMPANY	D. C. Malcolm, Inc.	PERMIT NO 039-3464 - 7/79
1006	Commerce Square	FARM & WELL NO _ M. Harding #1
Char	leston, WEst Virginia 25329	DIST. & COUNTY Poca/Kanawha
		IN COMPLIANCE
RULE	DESCRIPTION	YES NO
23.06	Notification Prior to Starting Wo	rk
25.04	Prepared before Drilling to Preve	
25.03	High-Pressure Drilling	
16.01	Required Permits at Wellsite	
15.03	Adequate Fresh Water Casing	
15.02	Adequate Coal Casing	
15.01	Adequate Production Casing	
15.04	Adequate Cement Strength	
15.05	Cement Type	
23.02	Maintained Access Roads	
25.01	Necessary Equipment to Prevent Wa	ste
23.04	Reclaimed Drilling Pits	
23.05	No Surface or Underground Polluti	on
23.07	Requirements for Production & Gat	hering Pipelines
16.01	Well Records on Site	
16.02	Well Records Filed	
7.05	Identification Markings	
I HAVE	INSPECTED THE ABOVE CAPTIONED WELL	AND RECOMMEND THAT IT BE RELEASED:
		SIGNED Kod Wellow
		DATE 2/20/84
with Ch	ell record was received and reclamat hapter 22, Article 4, Section 2, the ge for the life of the well.	THINGS
	K	Administrator-Oil & Gas Division
		July 27, 1984 DATE

. ;		FERC-121	PUL GELVIUI
1.0	API well number: (If not available, leave blank, 14 digits.)	047-039-3464	GCT 4 1979
2.0	Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	Category GAS DIVISION
3.0	Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	2293	DEPT. OF MINES
4.0	Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	D. C. Malcolm, Inc	011539 Seller Corte

Date of Lease:

Day

Columbia Gas Transmission

Mo.

McKinley Harding #1

(a) Base Price

(\$/MMBTU)

Malcolm

October 1, 1979
Date Application is Completed

No contract

W.

2.55

164

Day

1

298

Mo.

(b) Tax

36

25301

Va.

004030

(de Testal, dea)

2.421

Zip Code

W.

Block Number

OCS Lease Number

MMcf.

(c) All Other

Prices [Indicate (+) or (-).]

0 1 0

President

State

Charleston

Elkview Field Name

Kanawha

County

N/A Area Name

City

5.0 Location of this well: [Complete (a)

(35 letters maximum for field

(c) Name and identification number of this well: (35 letters and digits

(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters

purchaser: (35 letters and digits maximum. If code number not

6.0 (a) Name and code number of the

available, leave blank.)
(b) Date of the contract:

(c) Estimated annual production:

(As of filing date. Complete to 3

(As of filing date. Complete to 3

9.0 Person responsible for this application.

(a) For onshore wells

name.)

(b) For OCS wells:

maximum.)

maximum.)

7.0 Contract price:

decimal places.)

8.0 Maximum lawful rate:

decimal places.)

Date Received by FERC

Agency Use Only
Date Received by Juris, Agency
OCT 04 1979

or (b).]

09/08	/2023

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

Date_	Oct	ober	1	. 1979
Operat Well N	or's o. Ha	rdin	g #1	
API We No. 47	11 ate	039	-	3464

WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL

NGPA Section 103

	DESIGNATED AGENT D. C. Malcolm
	ADDRESS 1006 Commerce Square
	Charleston, W. Va. 25301
WELL OPERATOR D. C. Malcolm, Inc.	
•	LOCATION: Elevation 988 K.B. (1005)
ADDRESS 1006 Commerce Square	Watershed Coon Creek
Charleston, W. Va. 25301	Dist. Poca County_Kanawha Quad
GAS PURCHASER Columbia	Gas Purchase
ADDRESS Charleston, W. Va.	Contract No. No Contract
	Meter Chart Code
	Date of Contract
* * * * * * *	* * * * * * * * *
Date surface drilling was begun: 7-24-79	
Indicate the bottom hole pressure of the well	and explain how this was calculated:
400 p.s.i.	
, oo p. s. 1.	
	No. of the contract of the con
Countries 61	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
AFFIDA	VIT
within a proration unit, in existence at the treservoir from which gas is or will be produced in commercial quantities or on which surface divas capable of producing gas in commercial quanthe best of my information, knowledge and belie	ving been first sworn according to law state that termination is sought was begun on or after February 19, ederal well spacing requirements and the well is not ime surface drilling began, which was applicable to the d and which applied to any other well producing gas rilling began on or after February 19, 1977, and which notities. I state, further, that I have concluded, to ef, that the well for which this determination is sought not aware of any information not described in the
	() 17a (
	C 1 / CCCCC
STATE OF WEST VIRGINIA,	111.272
COUNTY OF Kanawha TO WIT:	400
1, Millam & Dendert, a Nota	ry Public in and for the state and county aforesaid,
the lst $_{\text{day of}}$ October $_{\text{19}}$ 79 has a	ne is signed to the writing above, bearing date acknowledged the same before me, in my county aforesaid.
Civer under an hand and afficial a	3
	eal this 3 day of October, 1979.
My term of office expires on the	day of September, 1988.
NOTARIAL SEAL]	William & Mussell

		- FERC-121		Company (See	EUEU UNI
1.0 API well number: (If not available, leave blank, 14 digits.)	047-039-3464 JUN 2 100				11/N 2 100
Type of determination being sought: (Use the codes found on the front of this form)		108 Section of N	IGPA	Categor Co	ML & GAS DIVISION
3.0 Depth of the deepest completion location. (Only needed if sections 103 or 107 in 2.0 above.)				tee:	T. OF MINES
4:0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	D. Name	C. Malcol			011539
	Street Ch:	arleston		. Va. 2:	- 5301
5.0 Location of this well. (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Field Na	nawha		W. Vo	1.
(b) For OCS wells:	Area Na	/A me	a farakiring	Block Numbe	
		Date of Le	ase: Yr.	OCS Lease Number	
of this well. (35 letters and digits maximum.)	McKinley Harding #1				
fd) If code 4 or 5 in 2.0 above, name of the reservoir (35 letters maximum)					
6.0 (a) Name and code number of the purchaser. (35 letters and digits maximum. If code number not available, leave blank.)	Columbia Gas Transmission Corp. 004030				
(n) Date of the contract			111101' Mo Day	7 i 9i	tarje do 1184-kot ros Najve kontraktika
(c) Estimated annual production:			12	MMet	
		(a) Base Price (\$/MMBTU).	(b) Tax	(c) All Other Prices (Indicate) • (1) or (-1.)	
As of filing date. Complete to 3 decimal places.)		2.9.5.6	3_0_8	0_1_0	3.27.4
8.0 Miximum lawful rate, (As of filing date. Complete to 3 decimal places.)		2956	3 0 8	0.10	3 2 7 4
Agency Use Only 3 1987 Agency	Name	e Malc	len	Presid	lent
	May 2	26, 1981		304-343-95	93

(5) Date commenced:] -24- 79 Date completed 8-1.79 Deepened (5) Production Depth: 2212-73 (5) Production Formation: Berea (5) Final Open Flow: 350 m C F (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: 760: 16.9 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 m C F	WELL OPERATOR: U. S. Malcolm, Inc.	011539
W. Vo. Department of Mines, Oil & Gas Division WELL DETERMINATION FILE NUMBER 9	FIRST PURCHASER: Columbia Gas Trans. Corp.	004030
WELL DETERMINATION FILE NUMBER 1-6-3	OTHER:	
Uso Above file Number on all Communications Relating to Determination of this Well CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING ITEM NO. 1. FERC -121	그 물이 하는 이렇게 되었다면 되었다면 이렇게 되었다면 하는 것이 되는 이렇게 되었다면 하는 것이 되었습니다. 그는	and the company of the figure of the second
Uso Above File Number on all Communications Relating to Determination of this Well CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING I. FERC -121		
1. FERC -121	000	J. S.
1. FERC -121	CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING	
2. IV-1 Agent		and the second of the second o
3. IV-2 Well Permit 4. IV-6 Well Plat 5. IV-35 Well Record 6. IV-36 Gas-Oil Test: Gas Only 7. IV-39 Annual Production 8. IV-40 90 day Production 9. IV-48 Application for certification. Complete? 9. IV-48 Application for certification. Complete? 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 35 - 57 - 58 Complete? 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 35 - 57 - 58 Complete? 10-18-28. Other: Survey 18-28. Other: Survey 19. Geological Charts Structure Map 10. Geological Charts 10. Geological Charts 10. July 10.		
4. IV-6 Well Plat 5. IV-35 Well Record / Drilling / Deepening 6. IV-36 Gas-Oil Test: Gas Only / Was Oil Produced? Ratio 7. IV-39 Annual Production 6 Months Was Oil Produced? Ratio 8. IV-40 90 day Production 90 Days off line: 9. IV-48 Application for certification. Complete? / Affidavit Signed / IV-48 Application for certification. Complete? / Affidavit Signed / IV-48 Application for certification. Complete? / Affidavit Signed / IV-48 Application for certification. Complete? / Affidavit Signed / IV-48 Application for certification. Complete? / Affidavit Signed / IV-48 Application for certification. Complete? / Affidavit Signed / IV-48 Application for certification. Complete? / Affidavit Signed / IV-48 Application for certification. Complete? / Affidavit Signed / IV-48 Application for certification. Complete? / Affidavit Signed / IV-48 Application Depth: Structure Map	2. IV-1 Agent D. C. Malcom	
5. IV-35 Well Record	3. IV-2 Well Permit	
6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio 7. IV-39 Annual Production G Month Was Oil Produced? Ratio 8. IV-40 90 day Production 90 Days off line: 9. IV-48 Application for certification. Complete? Affidavit Signed 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 60 - 57 - 58 Complete? Affidavit Signed 18-28. Other: Survey Logs Geological Charts Structure Map I: 4000 Map Well Tabulations (5) Date commenced: 1-24 - 79 Date completed 8 - 1 - 79 Deepened (5) Production Depth: 222-73 (5) Production Formation: Berea (5) Final Open Flow: 350 m c F (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: 1601 16.7 m c F No 0:) (8) Avg. Daily Gas from 90-day ending w/1-120 days 12.8 m c F No 0:) (8) Line Pressure: NA PSIG from Daily Report (5) Oil Production: From Completion Report 0-17. Does lease inventory indicate enbanced recovery being done NO 0-17. Is affidavit signed? Notarized? Oces official well record with the Department confirm the submitted information 109/03/2023 additional information Does computer program confirm?	4. IV-6 Well Plat	
8. IV-40 90 day Production 90 Days off line: 9. IV-48 Application for certification. Complete? 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 60 - 57 - 58 Complete? 18-28. Other: Survey Logs Geological Charts Structure Map Gas Analyses (5) Date commenced: 1.24 - 79 Date completed 9. 1.79 Deepened (5) Production Depth: 222.73 (5) Production Formation: Berea (6) Other Gas Test: (7) Avg. Daily Gas from Annual Production: 76D: 16.7 MCF No 0: (8) Avg. Daily Gas from 90-day ending w/1-120 days 20: 12.8 MCF No 0: (8) Line Pressure: NA PSIG from Daily Report (5) Oil Production: From Completion Report (6) Other Gas Test: (7) Does lease inventory indicate enhanced recovery being done Notarized? (8) Notarized? (8) Notarized? (8) Notarized? (8) Does computer program confirm?	5. IV-35 Well Record Drilling Deep	pening
8. IV-40 90 day Production Po Days off line: 9. IV-48 Application for certification. Complete? 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 60 - 57 - 58 Complete? Logs	6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced?	Ratio
9. IV-48 Application for certification. Complete?	7. IV-39 Annual Production 16 Months	
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Structure Map	9. IV-48 Application for certification. Complete?	
Logs Geological Charts	10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete?	Affidavit Signed /
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(5) Final Open Flow: 350 m CF (5) After Frac. R. P. 400	(5) Production Female Rose	
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(8) Avg. Daily Gas from Annual Production: 760: 16.7 MCF No 0: (8) Avg. Daily Gas from 90-day ending w/1-120 days 70: 12.8 MCF No 0: (8) Line Pressure:	6038	
(8) Line Pressure: (5) Oil Production: From Completion Report 0-17. Does lease inventory indicate enhanced recovery being done 0-17. Is affidavit signed? Notarized? Oes official well record with the Department confirm the submitted information Does computer program confirm?	(7) Avg. Daily Gas from Annual Production: 760: 16.7 MCF	
(5) Oil Production: From Completion Report		
O-17. Does lease inventory indicate enhanced recovery being done O-17. Is affidavit signed? Notarized? Oes official well record with the Department confirm the submitted information Does computer program confirm?		
O-17. Is affidavit signed? Notarized? Oes official well record with the Department confirm the submitted information Does computer program confirm?	(5) Oil Production: From Completion Report	
dditional information Does computer program confirm?	0-17. Does lease inventory indicate enhanced recovery being done	NO
dditional information Does computer program confirm?	O-17. Is affidavit signed?	Secretary residence and
dditional information Does computer program confirm?		

BUYER-SELLER CODE-

PARTICIPANTS:

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

				SPhorest - W
Date	May	26		1981
Operator's Well No.	Harc	ding	#1	
API Well No. 47	. (39		3464

WELL CLASSIFICATION FORM

STRIPPER GAS WELL

NGPA Section 108

	DESIGNATED AGENT D. C. Nalcolm	· · · · · · · · · · · · · · · · · · ·
	ADDRESS 1006 Commerce Sq.	
	Charleston, W. Va.	25301
WELL OPERATOR D. C. Malcolm, Inc.	LOCATION: Elevation 988'	
ADDRESS 1006 Commerce Sq.	Watershed Coon Creek	
Charleston, W. Va. 25301	Dist Poca County Kanawha	7.5' Romance Quad. 15' Kenna
GAS PURCHASER Columbia Gas Trans.	Gas Purchase Contract No. 23820	
ADDRESS Box 1273	Meter Chart Code 819488	State of the Addition of the Con-
Charleston, W. Va. 25301	Date of Contract 11-19-79	
the entry of the second of the second of the second		State State State

Provide a complete inventory of the lease and production equipment used for the well for the previous 24 months or, if less than 24 months, the period the well has been in production. Include a complete list of equipment or processes used in connection with recognized enhanced recovery techniques during completion or production. (Attach separate sheets, if necessary.)

Standard wellhead installation with 2" valve connected to 2" gathering line.

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax Records and royalty payment records) and indicate the location of such records:

Froduction, tax and royalty records available at 1006 Commerce Sq., Charleston, W. Va.

Describe the search made of any records listed above

Check has been made of Columbia and personal records.

Are you aware of any other information which would tend to be inconsistent with the formation specified above? Yes No A. If yes, indicate the type and source of the information

I, D.C. Malcolm, having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief, the well for which this certification is sought qualifies as a stripper well.

STATE OF WEST VIRGINIA.

COUNTY OF Kananka Notary Public in and for the state and county aforesaid, do certify that D.C. Malcolm, whose name is signed to the writing above, bearing date Given under my hand and official seal this Judday of M the ZaMday of May , 1981, has acknowledged the same vefore me, in my county aforesaid.

IV-39-WC

NOISIVIC

- OII, AND GAS

YEAR 1980

DEPARTMENT - MINES STATE OF WEST VIRGINIA

> OIL IN BARRELLS @ 60 DEGREES GAS VOLUMES IN MCF @ 14.73

REPORT OF MONTHLY PRODUCTION

OPERATOR D.C. Malcolm, Inc.

YEAR DAYS ON LINE OIL BBL GAS MCF APTO47-039-3464 FARM Harding #1 1981 7 30 2546 1975 30 30 1576 COUNTY Kanawha 1044 610 30 AVG. FLOW PRESSURE 589 8 302 30 700 SI 30 66 SHIFT-IN PRESSURE 0 598 30 564 30 204 30 TIO GAS

GAS

MCF

506

351

304

400

COUNTY

AVG. FLOW PRESSURE.

SHUT-IN PRESSURE

API

FARM

OIL BBL

J-

DAYS ON LINE

30

30

30

S

S

9

D

OIL

120

GAS

1662 mcs

TOTALS

SUMMARIZATION SCHEDULE Section 271. 804 (b)

In accordance with Section 271.804 (b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart H.

API NUMBERS

REPORT DATE | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 May 26, 198

TOTALS

11567 Me

365

