



RECEIVED
JUL 19 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

Pa

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE July 18, 1979

Surface Owner Theodore E. Tignor
Address Blundon, W. Va.
Mineral Owner McKinley Harding, et al
Address Elkview, W. Va.
Coal Owner McKinley Harding, et al
Address _____
Coal Operator Not operated
Address _____

Company D. C. Malcolm, Inc.
Address 1006 Commerce Sq., Charleston, W. Va.
Farm M. Harding, et al Acres ~~133~~ 80.2
Location (waters) Coon Creek
Well No. 1 Elevation 978
District Poca County Kanawha
Quadrangle Romance 7.5"

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 3-19-80.

INSPECTOR
TO BE NOTIFIED Martin Nichols
ADDRESS Clendenin, W. Va.
PHONE 548-6993

Robert S. [Signature]
Deputy Director - Oil & Gas Division
GENTLEMEN:

The undersigned well operator is entitled to drill upon the 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 dated Sept. 7 1978 by James G. Fisher, et al made to Energy Consultants, Inc. and recorded on the _____ day of _____ 19____, in Kanawha County, Book 202 Page 502

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE

OIL AND GAS WELL ORIGINALLY DRILLED 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.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, *[Signature]*
(Sign Name) _____
Well Operator
1006 Commerce Square
Street
Charleston
City or Town
West Virginia **09/08/2023**
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 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.

BLANKET BOND

47-039-3464

PERMIT NUMBER



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OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

This is to acknowledge that the wells listed on the reverse of this form are hereby transferred from D. C. Malcolm, Inc. (the transferor) to Ensource, Inc. (the transferee).

The transferee by this document is accepting all responsibility for compliance with the provisions of Chapter 22 Article 4 of the West Virginia Code and all rules and regulations promulgated thereunder, for the listed wells.

The transferee's designated agent (name) Michael W. Nugen, (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 authority, and any identifying number. \$50,000, Bond No. K00728317 issued by Insurance Company of North America effective August 30, 1983. (Blanket Bond for Oil & Gas Wells)

(Transferee) Ensource Inc.
By Michael W. Nugen
Its District Manager

Taken, subscribed and sworn to before me this 2nd day of November 19 84
Notary Public Daryl L. Carder
My commission expires March 23, 19 93

(Transferor) D. C. Malcolm, Inc.
By D. C. Malcolm
Its President

Taken, subscribed and sworn to before me this 30th day of October 19 84
Notary Public Cathy L. Hansford
My commission expires 9-21 19 92
Commissioned as Cathy L. Hansford

ACCEPTED THIS 4 DAY OF April, 19 85

By: [Signature]
Administrator-Office of Oil and Gas

09/08/2023



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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OCT - 9 1979

Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Romance

Permit No. Kan 3464

Company <u>D. C. Malcolm, Inc.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>1006 Commerce Sq., Charleston, W. Va.</u>				
Farm <u>McKinley Harding</u> Acres <u>133</u>				
Location (waters) <u>Coon Creek</u>	Size			
Well No. <u>1</u> Elev. <u>988 K.B.</u>	20-16			
District <u>Poca</u> County <u>Kanawha</u>	Cond.			
The surface of tract is owned in fee by _____	13-10"			
<u>T. E. Tignor</u>	9 5/8			
Address <u>Blundon, W. Va.</u>	8 5/8	200'	200'	to surface
Mineral rights are owned by <u>McKinley Harding et al</u> Address _____	7			
Drilling Commenced <u>7-24-79</u>	5 1/2			
Drilling Completed <u>8-1-79</u>	4 1/2	2451	2451	140 SX
Initial open flow _____ cu. ft. --- bbls.	3			thixotropic
Final production <u>350000</u> cu. ft. per day --- bbls.	2	2285	2285	on packer
Well open <u>11</u> hrs. before test <u>400</u> RP.	Liners Used			

Well treatment details:

Attach copy of cementing record.

Frac Berea thru perfs 2285-2288-10 holes-w/500 gals acid, 575 bbls water, 5000# 80/100, 30,000# 20/40.

Acidize Big Lime thru perfs 1815-1817 (3 holes), 1833-1835 (3 holes), 1850-1853 (6 holes) w/1000 gals 28 %, 3000 gals 15%.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water 1470 Feet _____
Producing Sand Berea Depth 2282-2293

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

09/08/2023

(over)

* Indicates Electric Log tops in the remarks section.

Date: 7-25, 1979

Operator's Well No. I
API Well No. 47-039-3464
State County Permit

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

INSPECTOR'S WELL REPORT
ON

PERMITTED WORK EXCEPT PLUGGING AND ABANDONMENT

WELL TYPE: Oil ___ / Gas / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow)

LOCATION: Elevation: _____ Watershed: Coon Creek
District: Poca County: Kenawha Quadrangle: _____

WELL OPERATOR D.C. Malcolm Inc DESIGNATED AGENT D.C. Malcolm
Address Charleston, wva Address Charleston, wva

DRILLING CONTRACTOR Union Drilling Co SERVICE COMPANIES Hahborton
Address Beckhanna, wv

WELL DATA:
Drilling commenced 7-24, 1979; completed _____, 19____
Total Depth _____ feet
Fracturing ___ / Stimulation ___ / on _____, 19____ at a depth of _____ feet
Open Flow: Initial, ___/10ths Water in ___ inches; after tubing, ___/10ths Merc. in ___ inches
Other work commenced _____, 19____; completed _____, 19____
Gas Volume _____ Mcf Oil Volume _____ Bbl.
Rock Pressure _____ psig after _____ hrs.
Fresh water encountered (depths) _____
Salt water encountered (depths) _____
Coal seams encountered (depths) _____

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>8 3/8</u>					<u>200</u>	<u>200</u>	<u>100 Bags</u>	
Production									Depths set
Tubing									
Liners									Perforations:
									Top Bottom

DATES OF INSPECTOR'S PREVIOUS VISITS TO WELL

DATE OF INSPECTOR'S LATEST VISIT TO WELL

INSPECTOR'S AND OTHER REMARKS:

Plug down at 9:45 AM

Circulated

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09/08/2023

OIL & GAS DIVISION
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.

Martin B. Nichols 508
District Oil and Gas Inspector

FORM IV-26
(Reverse)

[08-78]

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

INSPECTOR'S WELL REPORT
ON
P L U G G I N G

Date: _____, 19____

Operator's
Well No. _____

API Well No. 47 - _____ -
State County Permit

WELL TYPE: Oil____/ Gas____/ Liquid Injection____/ Waste Disposal____/
(If "Gas", Production____/ Underground storage____/ Deep____/ Shallow____/)

LOCATION: Elevation: _____ Watershed: _____
District: _____ County: _____ Quadrangle: _____

WELL OPERATOR _____
Address _____

DESIGNATED AGENT _____
Address _____

PLUGGING CONTRACTOR _____
Address _____

SERVICE COMPANIES (NAMES ONLY)

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

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness

Bridge Plugs Used--Type and Depth

VENT PIPE

MISCELLANEOUS MATERIALS

CASING LOST

TYPE OF RIG:
Owner: Well Op'r____/ Contractor____/
Rig time: ____ 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

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FORM IV-26
(Obverse)

OCT 30 1979

Date: 10-20, 1979

[08-78]

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL & GAS DIVISION
DEPT. OF MINES

Operator's Well No. I
API Well No. 47-039-3464
State County Permit

INSPECTOR'S WELL REPORT
ON

PERMITTED WORK EXCEPT PLUGGING AND ABANDONMENT

WELL TYPE: Oil ___ / Gas / Liquid Injection ___ / Waste Disposal ___
 (If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow /)

LOCATION: Elevation: _____ Watershed: COON CREEK
 District: POCA County: MANAWHA Quadrangle: _____

WELL OPERATOR D.C. Malcolm Inc DESIGNATED AGENT D.C. Malcolm
 Address Charleston, wva Address Charleston, wva

DRILLING CONTRACTOR _____ SERVICE COMPANIES _____
 Address _____

WELL DATA:

Drilling commenced _____, 19____; completed _____, 19____

Total Depth _____ feet

Fracturing ___ / Stimulation ___ / on _____, 19____ at a depth of _____ feet

Open Flow: Initial, ___/10ths Water in ___ inches; after tubing, ___/10ths Merc. in ___ inches

Other work commenced _____, 19____; completed _____, 19____

Gas Volume _____ Mcf Oil Volume _____ Bbl.

Rock Pressure _____ psig after _____ hrs.

Fresh water encountered (depths) _____

Salt water encountered (depths) _____

Coal seams encountered (depths) _____

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor									Kind:
Fresh water									
Coal									Sizes
Intermediate									
Production									Depth set
Tubing									
Liners									Perforations:
									Top Bottom

DATES OF INSPECTOR'S PREVIOUS VISITS TO WELL.

DATE OF INSPECTOR'S LATEST VISIT TO WELL

INSPECTOR'S, AND OTHER REMARKS:

Road to location need Reclaimed. Well not connected for Production. Pit not filled. tree skoved over the hill. Creek dammed up near location needs. Grass seed and lot of work;

09/08/2023

508

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

Walter B. Nichols
 District Oil and Gas Inspector

[08-78]

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

Date: _____, 19____

Operator's Well No. _____
API Well No. 47 - _____ - _____
State County Permit

INSPECTOR'S WELL REPORT
ON
PLUGGING

WELL TYPE: Oil____/ Gas____/ Liquid Injection____/ Waste Disposal____/
(If "Gas", Production____/ Underground storage____/ Deep____/ Shallow____/)

LOCATION: Elevation: _____ Watershed: _____
District: _____ County: _____ Quadrangle: _____

WELL OPERATOR _____
Address _____

DESIGNATED AGENT _____
Address _____

PLUGGING CONTRACTOR _____
Address _____

SERVICE COMPANIES (NAMES ONLY)

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

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness

Bridge Plugs Used--Type and Depth

VENT PIPE _____

MISCELLANEOUS MATERIALS _____

CASING LOST _____

TYPE OF RIG:

Owner: Well Op'r____/ Contractor____/
Rig time: ____ 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

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JUL 23 1984

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
May 3, 1984

COMPANY D. C. Malcolm, Inc.
1006 Commerce Square
Charleston, West Virginia 25329

PERMIT NO 039-3464 " 7/79
FARM & WELL NO M. Harding #1
DIST. & COUNTY Poca/Kanawha €

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
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 Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering 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 Loch Mellon
DATE 7/20/84

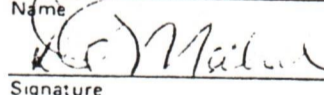
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...
Administrator-Oil & Gas Division

52

July 27, 1984
DATE

RECEIVED
OCT 4 1979

1.0 API well number: (If not available, leave blank, 14 digits.)	047-039-3464												
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA												
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	2293 feet												
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 Name Seller Code 1006 Commerce Square Street Charleston W. Va. 25301 City State Zip Code												
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Elkview Field Name Kanawha W. Va. County State												
(b) For OCS wells:	N/A Area Name Block Number Date of Lease: _____ Mo. Day Yr. OCS Lease Number												
(c) Name and identification number of this well: (35 letters and digits maximum.)	McKinley Harding #1												
(d) 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 004030 Name Buyer Code												
(b) Date of the contract:	No contract _____ Mo. Day Yr.												
(c) Estimated annual production:	36 MMcf.												
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;">(a) Base Price (\$/MMBTU)</th> <th style="width:25%;">(b) Tax</th> <th style="width:25%;">(c) All Other Prices [Indicate (+) or (-)]</th> <th style="width:25%;">(d) Total (a) + (b) + (c)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">N/A</td> <td style="text-align: center;">---</td> <td style="text-align: center;">---</td> <td style="text-align: center;">---</td> </tr> <tr> <td style="text-align: center;">2 1 1 3</td> <td style="text-align: center;">. 2 9 8</td> <td style="text-align: center;">. 0 1 0</td> <td style="text-align: center;">2 . 4 2 1</td> </tr> </tbody> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-)]	(d) Total (a) + (b) + (c)	N/A	---	---	---	2 1 1 3	. 2 9 8	. 0 1 0	2 . 4 2 1
(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-)]	(d) Total (a) + (b) + (c)										
N/A	---	---	---										
2 1 1 3	. 2 9 8	. 0 1 0	2 . 4 2 1										
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width:100%; border-collapse: collapse;"> <tbody> <tr> <td style="text-align: center;">2 1 1 3</td> <td style="text-align: center;">. 2 9 8</td> <td style="text-align: center;">. 0 1 0</td> <td style="text-align: center;">2 . 4 2 1</td> </tr> </tbody> </table>	2 1 1 3	. 2 9 8	. 0 1 0	2 . 4 2 1								
2 1 1 3	. 2 9 8	. 0 1 0	2 . 4 2 1										
9.0 Person responsible for this application.	D. C. Malcolm President Name Title  Signature October 1, 1979 343-9593 Date Application is Completed Phone Number												
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Agency Use Only</td> </tr> <tr> <td style="text-align: center;">Date Received by Juris. Agency</td> </tr> <tr> <td style="text-align: center; font-size: 1.2em;">OCT 04 1979</td> </tr> <tr> <td style="text-align: center;">Date Received by FERC</td> </tr> </table>	Agency Use Only	Date Received by Juris. Agency	OCT 04 1979	Date Received by FERC									
Agency Use Only													
Date Received by Juris. Agency													
OCT 04 1979													
Date Received by FERC													

09/08/2023

PARTICIPANTS:

DATE:

FEB 14 1980

BUYER-SELLER CODE

WELL OPERATOR: D. C. Malcolm, Inc

011539

FIRST PURCHASER: Columbia Gas Trans Corp.

004030

OTHER: _____

Qualifies as Section 103, new modern production well
Fract 54

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

790004-103-039-3464

Use 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 Items not completed - Line No. _____
- 2 IV-1 - Agent D. C. Malcolm
- 3 IV-2 - Well Permit _____
- 4 IV-6 - Well Plat
- 5 IV-35- Well Record Drilling Deepening _____
- 6 IV-36- Gas-Oil Test: Gas Only 350 Was Oil Produced? _____ Ratio _____
- 7 IV-39- Annual Production No Prod years
- 8 IV-40- 90 day Production _____ Days off Line: _____
- 9 IV-48- Application for Certification. Complete?
- 10 - 17 IV Form #51 - 52 - 53 - 54 - 55 - 56 - 57 - 58. Complete Affidavit Signed
- 18 - 28 Other: Survey _____ Logs _____ Geological Charts _____ Structure Map _____
1:4000 Map _____ Well Tabulations _____ Gas Analyses _____
- (5) Date commenced: _____ Date Completed: 7/23/79 - 8/1/79 Deepened _____
- (5) Production Depth: 2282/93
- (5) Production Formation: Berea
- (5) Final open flow 350 mcf/d
- (5) Static R.P. 400 #
- (6) Other Gas Test: ~~_____~~
- (7) Avg. Daily Gas from Annual Production: No Prod
- (8) Avg. Daily Gas from 90-day ending w/1-120 days " "
- (8) Line Pressure: None PSIG from Daily Report _____
- (5) Oil Production: No From Completion Report _____
- (10-17) Does lease inventory indicate enhanced recovery being done: 09/08/2023
- (10-17) Is affidavit signed? Notarized?

Does official well record with the Department confirm the submitted information? yes

Additional Information _____ Does computer program confirm? _____

Was Determination Objected to? _____ By Whom? _____

PL.

Date October 1, 1979

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

Operator's
Well No. Harding #1
API Well
No. 47 - 039 - 3464
State County Permit

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.
ADDRESS 1006 Commerce Square
Charleston, W. Va. 25301

LOCATION: Elevation 988 K.B. (1005)
Watershed Coon Creek
Dist. Poca County Kanawha Quad. _____

GAS PURCHASER Columbia
ADDRESS Charleston, W. Va.

Gas Purchase
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.

AFFIDAVIT

I, D. C. Malcolm, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

D. C. Malcolm

STATE OF WEST VIRGINIA,

COUNTY OF Kanawha, TO WIT:

I, William E Bennett, a 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 the 1st day of October, 1979, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 3 day of October, 1979.

My term of office expires on the 6 day of September, 1988.

[NOTARIAL SEAL]

William E Bennett
Notary Public

09/08/2023

RECEIVED
JUN 9 1981
 OIL & GAS DIVISION
 DEPT. OF MINES

1.0 API well number: (If not available, leave blank. 14 digits.)	<u>047-039-3464</u>												
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>108</u> Section of NGPA												
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet												
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name <u>D. C. Malcolm, Inc.</u> <u>011539</u> Street <u>1006 Commerce Sq.</u> City <u>Charleston</u> State <u>W. Va.</u> Zip <u>25301</u>												
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Field Name <u>Elkview</u> County <u>Kanawha</u> State <u>W. Va.</u>												
(b) For OCS wells:	Area Name <u>N/A</u> Block Number _____ Date of Lease: _____ Mo. Day Yr. OCS Lease Number _____												
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>McKinley Harding #1</u>												
(d) 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.)	Name <u>Columbia Gas Transmission Corp.</u> <u>004030</u>												
(b) Date of the contract:	<u>11 19 79</u> Mo. Day Yr.												
(c) Estimated annual production:	<u>12</u> MMcf												
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">(a) Base Price (\$/MMBTU)</th> <th style="width: 25%;">(b) Tax</th> <th style="width: 25%;">(c) All Other Prices (Indicate if for (-))</th> <th style="width: 25%;"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><u>2.956</u></td> <td style="text-align: center;"><u>.308</u></td> <td style="text-align: center;"><u>.010</u></td> <td style="text-align: center;"><u>3.274</u></td> </tr> <tr> <td style="text-align: center;"><u>2.956</u></td> <td style="text-align: center;"><u>.308</u></td> <td style="text-align: center;"><u>.010</u></td> <td style="text-align: center;"><u>3.274</u></td> </tr> </tbody> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate if for (-))		<u>2.956</u>	<u>.308</u>	<u>.010</u>	<u>3.274</u>	<u>2.956</u>	<u>.308</u>	<u>.010</u>	<u>3.274</u>
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8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">(a) Base Price (\$/MMBTU)</th> <th style="width: 25%;">(b) Tax</th> <th style="width: 25%;">(c) All Other Prices (Indicate if for (-))</th> <th style="width: 25%;"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><u>2.956</u></td> <td style="text-align: center;"><u>.308</u></td> <td style="text-align: center;"><u>.010</u></td> <td style="text-align: center;"><u>3.274</u></td> </tr> <tr> <td style="text-align: center;"><u>2.956</u></td> <td style="text-align: center;"><u>.308</u></td> <td style="text-align: center;"><u>.010</u></td> <td style="text-align: center;"><u>3.274</u></td> </tr> </tbody> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate if for (-))		<u>2.956</u>	<u>.308</u>	<u>.010</u>	<u>3.274</u>	<u>2.956</u>	<u>.308</u>	<u>.010</u>	<u>3.274</u>
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<u>2.956</u>	<u>.308</u>	<u>.010</u>	<u>3.274</u>										
9.0 Person responsible for this application:	Name <u>D. C. Malcolm</u> Title <u>President</u> Signature <u><i>D. C. Malcolm</i></u> Date Application is Completed <u>May 26, 1981</u> Phone Number <u>304-343-9593</u>												

Agency Use Only
 Received by Agency
JUN 3 1981
 Received by FERC

PARTICIPANTS:

DATE: JUL 21 1981

BUYER-SELLER CODE

WELL OPERATOR: D. C. Malcolm, Inc.

011539

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
91-6-3 .108-039-3464
 Use Above File Number on all Communications
 Relating to Determination of this Well

Qualifies J E Huzzey

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. _____
- 2. IV-1 Agent D. C. Malcolm
- 3. IV-2 Well Permit
- 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 16 Months ~~years~~
- 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 - (56) - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses
- (5) Date commenced: 7-24-79 Date completed 8-1-79 Deepened
- (5) Production Depth: 2282-93
- (5) Production Formation: Berea
- (5) Final Open Flow: 350 mcf
- (5) After Frac. R. P. 400# 11 hrs.
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: $\frac{6088}{360} = 16.9 \text{ mcf}$ No Oil
- (8) Avg. Daily Gas from 90-day ending w/1-120 days $\frac{1156}{90} = 12.8 \text{ mcf}$ No Oil
- (8) Line Pressure: NA PSIG from Daily Report _____
- (5) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done NO
- 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information yes 09/08/2023
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

Date May 26 1981

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

Operator's Well No. Harding #1

API Well No. 47 - 039 - 3464
State County Permit

WELL CLASSIFICATION FORM

STRIPPER GAS WELL

NGPA Section 108

DESIGNATED AGENT D. C. Malcolm

ADDRESS 1006 Commerce Sq.

Charleston, W. Va. 25301

WELL OPERATOR D. C. Malcolm, Inc.

ADDRESS 1006 Commerce Sq.

Charleston, W. Va. 25301

GAS PURCHASER Columbia Gas Trans.

ADDRESS Box 1273

Charleston, W. Va. 25301

LOCATION: Elevation 988'

Watershed Coon Creek

Dist. Poca County Kanawha Quad. 7.5' Romance

Gas Purchase Contract No. 23820

Meter Chart Code 819488

Date of Contract 11-19-79

* * * * *

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:

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

09/08/2023

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 information specified above? Yes No If yes, indicate the type and source of the information.

AFFIDAVIT

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.

D. C. Malcolm

STATE OF WEST VIRGINIA,

COUNTY OF Kanawha TO WIT:

I, Robert M. Stelcher a 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 the 26th day of May, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 2nd day of June, 1981.

My term of office expires on the 15th day of October, 1984.

Robert M. Stelcher
Notary Public

[NOTARIAL SEAL]

09/08/2023

IV-39-WC

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

YEAR 1980

OPERATOR D. C. Malcolm, Inc.

REPORT OF MONTHLY PRODUCTION
GAS VOLUMES IN MCF @ 14.73
OIL IN BARRELS @ 60 DEGREES

REPORT DATE
May 26, 1981
09/08/2023

API	FARM	COUNTY	AVG. FLOW PRESSURE	SHUT-IN PRESSURE	TOTALS									
API 041-039-3464	FARM Harding #1	COUNTY Kanawha												
GAS MCF	2546	1975	1576	1044	610	589	302	700	661	598	564	402	GAS	11567 Mcf
OIL BBL	J- _____	F- _____	M- _____	A- _____	M- _____	J- _____	J- _____	A- _____	S- _____	O- _____	N- _____	D- _____	OIL	_____
DAYS ON LINE	30	30	30	30	30	30	30	30	30	30	30	30	OIL	365
YEAR 1981														

API	FARM	COUNTY	AVG. FLOW PRESSURE	SHUT-IN PRESSURE	TOTALS									
	FARM 506	COUNTY 351	405	400										
GAS MCF	J- _____	F- _____	M- _____	A- _____	M- _____	J- _____	J- _____	A- _____	S- _____	O- _____	N- _____	D- _____	GAS	1662 Mcf
OIL BBL	J- _____	F- _____	M- _____	A- _____	M- _____	J- _____	J- _____	A- _____	S- _____	O- _____	N- _____	D- _____	OIL	_____
DAYS ON LINE	30	30	30	30	30	30	30	30	30	30	30	30	OIL	120

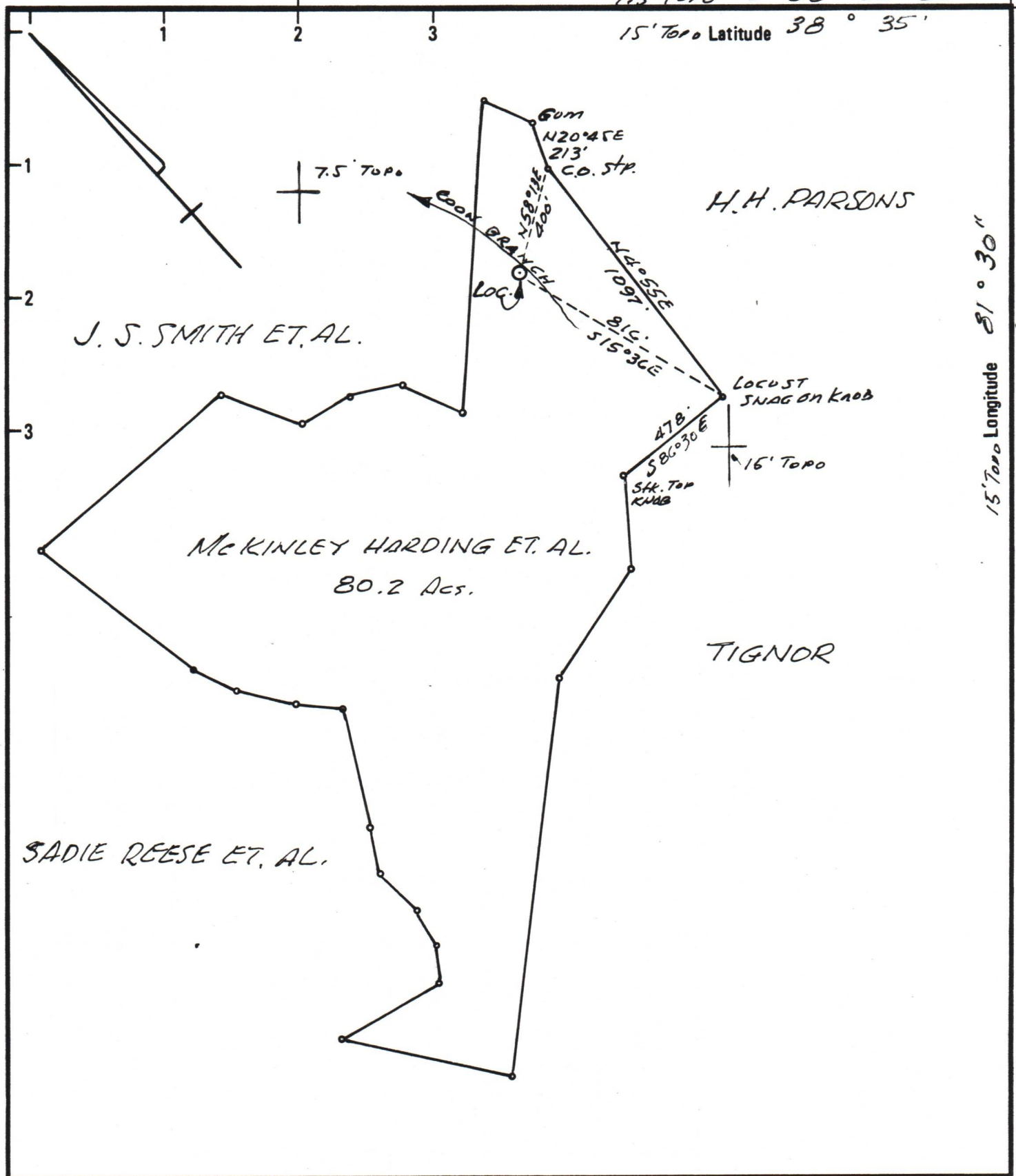
SUMMARIZATION SCHEDULE
Section 271. 804 (b)

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

7/19/79

10740
7.5' TOPO = 38° 32' 30"
15' TOPO Latitude 38° 35'



15' TOPO Longitude 81° 30"
7.5' TOPO = 81° 30'

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 IN 200
 Source of Elevation U.S.G.S. El. 965 Road Intersection
ARRON FORK
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge 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."

Company D.C. MALCOLM INC.
 Address 1006 Commerce Sq. CHARLESTON, W.V.
 Farm (TIGNOR) MCKINLEY HARDING ET AL.
 Tract _____ Acres 80.2 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 978.0
 Quadrangle 7.5 ROMANCE
15' KENNA
 County KANAWHA District POCA
 Engineer N.L. Seltzer
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 7-14-79 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. **47-039-3464**
 09/08/2023

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

Berea 2375'