

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. M. Harding #2

API Well No. 47 - 039 - 346
State County Perm

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 995.0 Watershed: Coon Creek

District: Poca County: Kanawha Quadrangle: _____

WELL OPERATOR D. C. Malcolm, Inc.
Address 1006 Commerce Sq.
Charleston, W. Va. 25301

DESIGNATED AGENT D. C. Malcolm
Address 1006 Commerce Sq.
Charleston, W. Va. 25301

OIL & GAS ROYALTY OWNER McKinley Harding, et al
Address Elkview, W. Va.

COAL OPERATOR NONE
Address _____

ACREAGE 80.2
SURFACE OWNER T. E. Tignor
Address Blundon, W. Va.
ACREAGE 133

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name McKinley Harding et al

Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name -----
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name -----

Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Martin Nichols
Address Clendenin, W. Va.
548-6993

JUL 25 1979
OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated Sept. 7, 1978, to the undersigned well operator from James G. Fisher, et al

[If said deed, lease, or other contract has been recorded:]

Recorded on _____, 19____, in the office of the Clerk of the County Commission of Kanawha County, West Virginia, in _____ Book 202 at page 502. A permit is requested as follows:

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(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department 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.

09/08/2023

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

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

TELEPHONE: (204) 258-2000

BLANKET BOND

D. C. Malcolm, Inc.
Well Operator
By [Signature]
Its President

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY;
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-2 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Union Drilling
Address Buckhannon, W. Va.

GEOLOGICAL TARGET FORMATION, Berea
Estimated depth of completed well, 2400 feet Rotary X / Cable tools _____
Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
Approximate coal seam depths: _____ Is coal being mined in the area: Yes _____ / NoX _____

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									Rinfs
Fresh water	8 5/8		20	X		200	200	surface	
Coal									Sines
Intermediate									
Production	4 1/2		10.6	X		2400	2400		Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.03 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 3-26-80

[Signature]
Deputy Director - Oil & Gas Division

This permit is not to be issued by the coal operator and by any coal owner or coal lessee who has received a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

09/08/2023

By _____
Its _____

Date: July 20, 19 79

Operator's Well No. Harding #2

API Well No. 47 - -
State County Permit

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

RECLAMATION PLAN

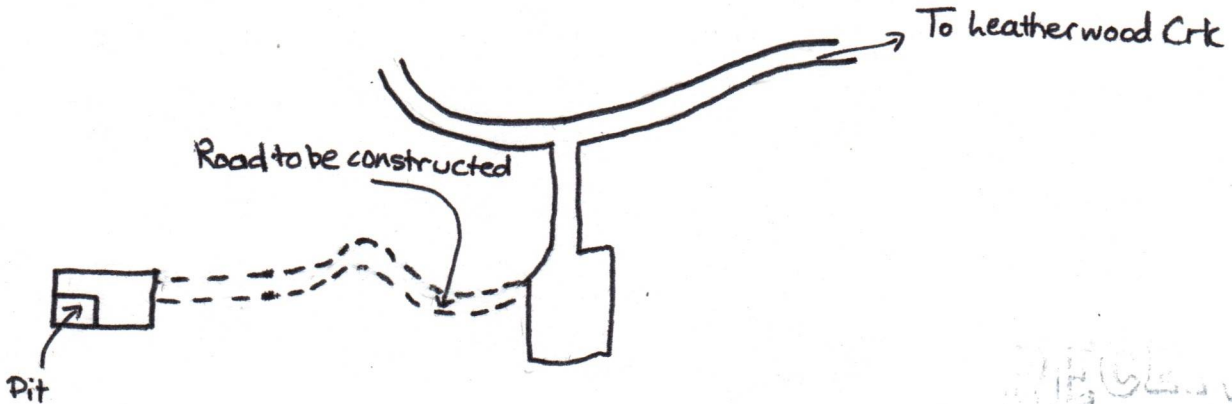
WELL OPERATOR D. C. Malcolm, Inc.
Address 1006 Commerce Sq.
Charleston, W. Va. 25301

DESIGNATED AGENT D. C. Malcolm
Address 1006 Commerce Sq.
Charleston, W. Va. 25301

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 / has not 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.)



RECEIVED
JUL 25 1979

OIL & GAS DIVISION
DEPT. OF MINES

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

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

D. C. Malcolm, Inc.
Well Operator 09/08/2023
By [Signature]
Its President



RECEIVED
NOV 26 1984

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

OIL & GAS DIVISION
DEPT. OF MINES

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 Waryl G. 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



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OCT - 9 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Romance
Permit No. Kan 3468

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

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 Square, Charleston, W. Va.</u>				
Farm <u>McKinley Harding</u> Acres <u>80.2</u>				
Location (waters) <u>Coon Creek</u>				
Well No. <u>2</u> Elev. <u>1005 KB</u>	Size 20-16			
District <u>Poca</u> County <u>Kanawha</u>	Cond. 13-10"			
The surface of tract is owned in fee by _____ <u>T. E. Tignor</u>	9 5/8			
Address <u>Blundon, W. Va.</u>	8 5/8	235	235	to surface
Mineral rights are owned by <u>McKinley Harding</u> <u>et al</u> Address _____	7			
Drilling Commenced <u>8-2-79</u>	5 1/2			
Drilling Completed <u>8-10-79</u>	4 1/2	2351	2351	135 SX thixo- tropic
Initial open flow _____ cu. ft. --- bbls.	3			
Final production <u>450000</u> cu. ft. per day --- bbls.	2			
Well open <u>12</u> hrs. before test <u>400</u> RP.	Liners Used			

Well treatment details: Attach copy of cementing record.
Frac Berea thru perfs 2301-2304 (10 holes) w/500 gals acid, 5000# 80/100,
30,000# 20/40, 575 bbls water

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water 1570 Feet _____
Producing Sand Berea Depth 2298-2307

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & shale			0	250		
Shale			250	324		
Sand & Shale			324	1262		
Sand			1262	1728		
Big Lime			1728	1880		
Sand (Injun)			1880	1898		
Shale			1898	2298		
Sand			2298	2307		
Shale			2307	2434	T. D.	

09/08/2023

(over)

* Indicates Electric Log tops in the remarks section.

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

Date: 8-2-, 1979
Operator's Well No. m. Harding, 2
API Well No. 47-039-3468
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: Kanawha Quadrangle: _____
WELL OPERATOR D.C. Malcolm Inc DESIGNATED AGENT D.C. Malcolm
Address _____ Address _____
Charleston, wva Charleston, wv
DRILLING CONTRACTOR Union Drilling SERVICE COMPANIES _____
Address _____
Beckhannon, wv

WELL DATA:

Drilling commenced 8-2, 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) _____

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AUG 6 1979

OIL & GAS DIVISION
DEPT. OF MINES

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		
Conductor								Kinds
Fresh water								
Coal								Sizes
Intermediate								
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:

Rigging up on location - Raising mast

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.

Martin B. Nichols 508
District Oil and Gas Inspector

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

AUG 9 1979

Date: 8-7, 1979

Operator's Well No. Harding #2
API Well No. 47-039-3468
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL & GAS DIVISION
DEPT. OF MINES
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: Kanawha Quadrangle: _____

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

DRILLING CONTRACTOR Union Drilling Co SERVICE COMPANIES Halbarton
Address _____
Beckhannan, wva

WELL DATA:
Drilling commenced 8-2, 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		
Conductor	<u>11 3/4</u>					<u>14</u>	<u>14</u>	Kinds
Fresh water								
Coal								Sizes
Intermediate	<u>8 7/8</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:

Drilling at 1753ft

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.

Walter 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: 10-26, 1979

[08-78]

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

Operator's Well No. 2
API Well No. 47-039-3468
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: Kenawha Quadrangle: _____

WELL OPERATOR D.C. Malcolm Inc DESIGNATED AGENT D.C. Malcolm
Address _____ Address _____
Charleston, WVA 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		
Conductor								Kinds
Fresh water								
Coal								Sizes
Intermediate								
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:

*Location need Reclaimed - pit Filled
Graded up - Seeded. Road way needs
Seeded too.*

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.

Martin 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. _____
State County Permit

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

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



RECEIVED

JUL 23 1984

OIL & GAS DIVISION **State of West Virginia**
DEPT. OF MINES **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 25301

PERMIT NO 039-3468 7/79
FARM & WELL NO M. Harding #2
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 Lod Wilson

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

79

July 27, 1984
DATE

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1.0 API well number: (If not available, leave blank. 14 digits.) 047-039-3468

2.0 Type of determination being sought: (Use the codes found on the front of this form.) 103 OCT 4 1979
Section of NGPA Category Code

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.) 2307 OIL & GAS DIVISION
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
Name State
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
County W. Va.
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 #2

(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 Block Number

(b) Date of the contract:
No contract _____
Mo. Day Yr.

(c) Estimated annual production: _____
MMcf

	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b), and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<u>N/A</u>	---	---	---
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<u>2.113</u>	<u>.298</u>	<u>.010</u>	<u>2.421</u>

9.0 Person responsible for this application:
D. C. Malcolm, President
Name Title

D. C. Malcolm
Signature
October 1, 1979 343-9593
Date Application is Completed Phone Number

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 machine production well
[Signature]

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
790004-103-039-3468
 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 ✓450 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 _____
- Date commenced:*
 (5) Date Completed: 8/2/79 - 8/10/79 Deepened _____
- (5) Production Depth: 2298/2307
- (5) Production Formation: Berea
- (5) ~~Final open flow~~ Final open flow: 450 mcf/d
- (5) Static R.P. ~~_____~~ 400 ft
- (6) Other Gas Test: ~~_____~~
- (7) Avg. Daily Gas from Annual Production: No Prod
- (8) Avg. Daily Gas from 90-day endit. 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? _____

Pi.

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

Date October 1, 19 79

Operator's Well No. Harding #2

API Well No. 47 - 039 - 3468
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 1005 K.B.
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, 19 79, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 3 day of October, 19 79.

My term of office expires on the 6 day of September, 19 88.

[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.)	047-039-3468		
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	108 Section of NGPA		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	2307 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. Name 1006 Commerce Square Street Charleston, W. Va. 25301 City State ZIP		011539
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 No.		
	Date of Lease: Mo. Day Yr. OCS Lease Number		
6.0 (a) Name and identification number of this well: (35 letters and digits maximum)	McKinley Harding #2		
(b) 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 Name		004030
(b) Date of the contract	11, 1, 97, 9 Mo. Day Yr.		
Estimated annual production:	1.2 MMcf		
	(a) Base Price (\$/MMBTU)	(b) Tax	CO-All Other Prices (Indicate (+) or (-))
7.0 Contract price (As of filing date. Complete to 3 decimal places.)	2.956	.308	.010 3274
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	2.956	.308	.010 3274
9.0 Person responsible for this application	D. C. Malcolm President		
Agency Use Only	Name: D. C. Malcolm Title: President		
Approved by: [Signature]	Signature: [Signature]		
JUN 3 1981	Date Application is Completed: Jun 26, 1981		
	304-343-9503		

09/08/2023

PARTICIPANTS:

DATE: JUL 21 2003

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

91-6-3 108-039-3468

Use Above File Number on all Communications
Relating to Determination of this Well

Qualifies J. H. Huggins

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: 8-2-79 Date completed 8-10-79 Deepened

(5) Production Depth: 2298-2307

(5) Production Formation: Berea

(5) Final Open Flow: 450 MCF

(5) After Frac. R. P. 400# 12 hrs

(6) Other Gas Test: _____

(7) Avg. Daily Gas from Annual Production: $\frac{6089}{760} = 16.7 \text{ MCF No Oil}$

(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

Additional information _____ Does computer program confirm? _____

Was Determination Objected to _____ By Whom? _____

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 X. If yes, indicate the type and source of the information

AFFIDAVIT

I, D.C. Malolan, 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. Malolan

STATE OF WEST VIRGINIA,

COUNTY OF Kanawha TO WIT

I, Robert M. Fleck, a Notary Public in and for the state and county aforesaid, do certify that D.C. Malolan, 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. Fleck
Notary Public

[NOTARIAL SEAL]

09/08/2023

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

Date May 26 1981

Operator's Well No. Harding 12
API Well No. 47 - 039 - 3468
State County Permit

WELL CLASSIFICATION FORM

STRIPPER GAS WELL
NGPA Section 108

DESIGNATED AGENT D. C. Malcolm
ADDRESS 1006 Commerce Square
Charleston, W. Va. 25301

WELL OPERATOR D. C. Malcolm, Inc.
ADDRESS 1006 Commerce Sq.
Charleston, W. Va. 25301

LOCATION: Elevation 995'
Watershed Coon Creek
Dist. Poca County Kanawha Quad. 7.5' Romance
15' Kenna

GAS PURCHASER Columbia Gas Trans. Corp
ADDRESS Box 1273
Charleston, W. Va. 25301

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 two-inch valve connected to two-inch 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.

IV-39-WC

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

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

YEAR 1980

API 044-039-3468 FARM Harding #2

COUNTY Kanawha

AVG. FLOW PRESSURE 40 psi

SHUT-IN PRESSURE

TOTALS

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-	0-	N-	D-	OIL	
DAYS ON LINE	30	30	30	30	30	30	30	30	30	30	30	30		3657

YEAR 1981

API FARM

COUNTY

AVG. FLOW PRESSURE

SHUT-IN PRESSURE

TOTALS

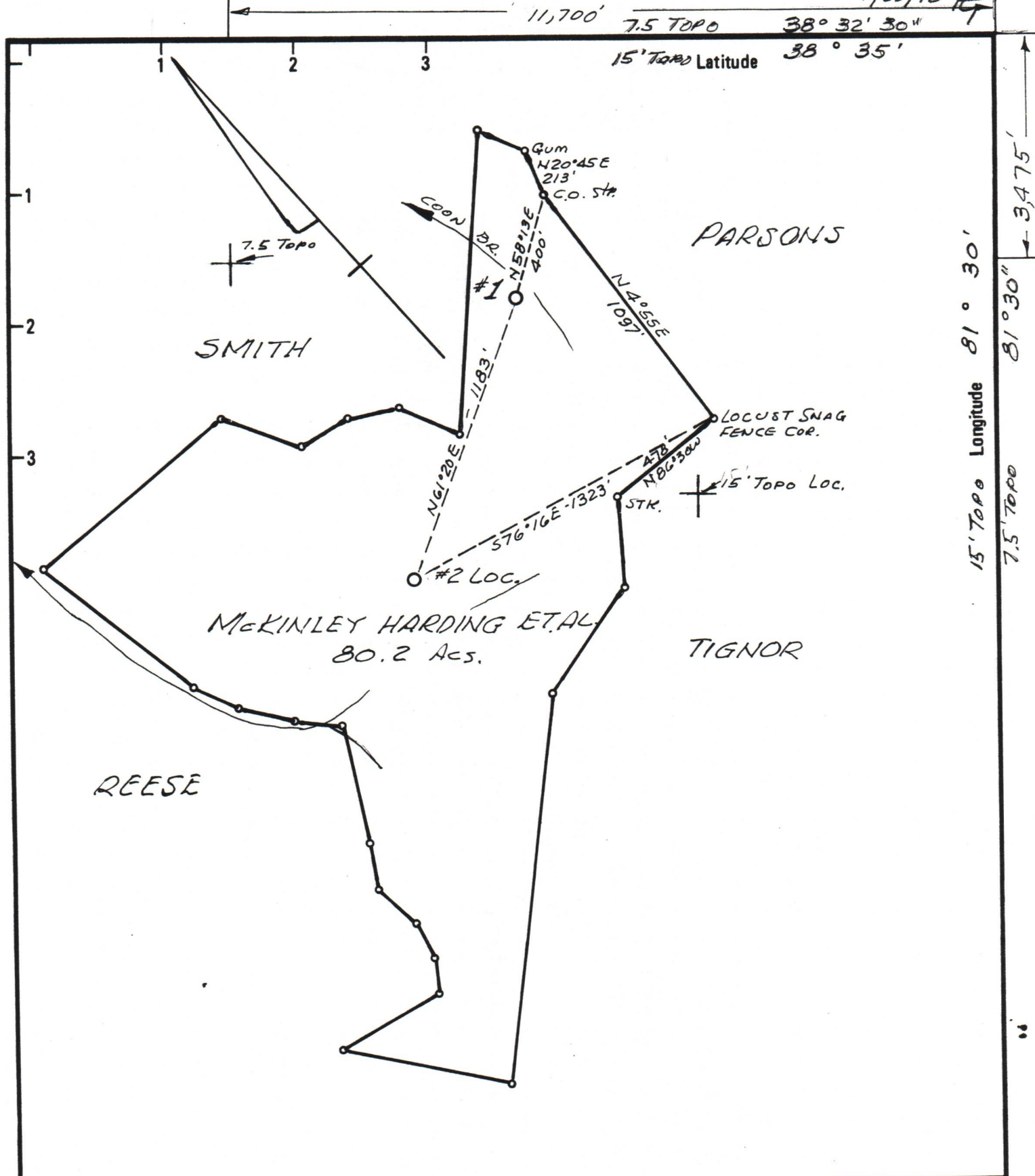
GAS MCF	506	351	405	400									GAS	1662 MCF
OIL BBL	J-	F-	M-	A-	M-	J-	J-	A-	S-	0-	N-	D-	OIL	
DAYS ON LINE	30	30	30	30										120

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

✓



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in. 200
 Source of Elevation USGE El. 965' Road Intersection Parsons Pk.
 "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 St. CHARLESTON, W.VA.
 Farm MCKINLEY HARDING ET AL.
 Tract _____ Acres 80.2 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 995' 0
 Quadrangle 7.5' ROMANCE
15' KENNA
 County KANAWHA District POCA
 Engineer N.L. Defton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 7-21-79 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. **47-039-3468**

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 2400'