

UNIT	ACRES
JOHN T. OLDAKER	16
MARY L. BROOKS	58
ALBERT CRITES	18
ALBERT CRITES	8
ROBERT ANDEREGG	29
EDNA SHREVE	22.25
ENDCH SHREVE	12
DREN DEAN	21
VERNA SHREVE	30
A.B. DEAN	30
M.F. KARICKHOFF	19
MADISON CARR	10

New Location  Drill Deeper  Abandonment  **6/7/70**

Minimum Error of Closure ONE PART IN 200  
 Source of Elevation INTERSECTION S.L.S. 33 AND S.L.S. 3  
ELEVATION 1695'

"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 DUNCAN C. MALCOLM  
1006 COMMERCE SQUARE  
 Address CHARLESTON WEST VIRGINIA 25301

Farm EDNA SHREVE

Tract \_\_\_\_\_ Acres 22.25 Lease No. H.N.G. 74245

Well (Farm) No. OLDAKER #2 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1640'

Quadrangle SAGD 15' NC

County UPSHUR District UNION

Engineer Daniel L. Wheeler

Engineer's Registration No. 530 L.L.S.

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date MAY 10, 1979 Scale 1" = 500'

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

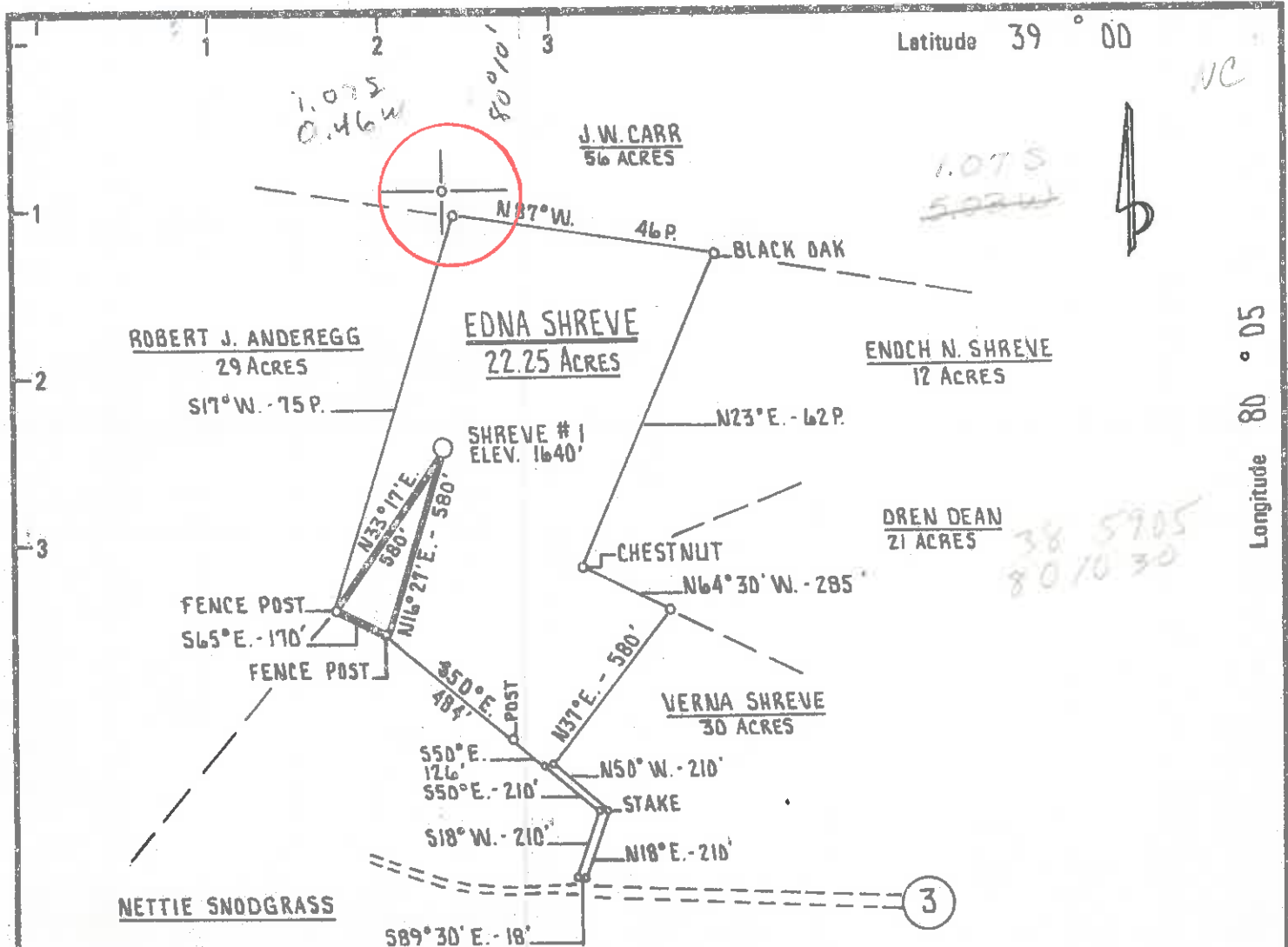
WELL LOCATION MAP  
 FILE NO. 47-097-1948-P

+ 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.

JUL 17 1979

5/19/79  
NC



UNIT	ACRES
JOHN T. OLDAKER	16
MARY L. BROOKS	58
ALBERT CRITES	18
ALBERT CRITES	8
ROBERT ANDEREGG	29
EDNA SHREVE	22.25
ENDCH SHREVE	12
OREN DEAN	21
VERNA SHREVE	30
A.B. DEAN	30
M.F. KARICKHOFF	19
MADISON CARR	10

38 59.05  
80 10.30

New Location  Drill Deeper  Abandonment

Minimum Error of Closure ONE PART IN 200  
 Source of Elevation INTERSECTION S.L.S. 33 AND S.L.S. 3  
ELEVATION 1695'

"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 DUNCAN C MALCOLM  
 Address 1006 COMMERCE SQUARE CHARLESTON WEST VIRGINIA 25301  
 Farm EDNA SHREVE  
 Tract \_\_\_\_\_ Acres 22.25 Lease No. H.N.G. 74245  
 Well (Farm) No. OLDBAKER #2 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1640'  
 Quadrangle SAGD 15 (NW)  
 County UPSHUR District UNION  
 Engineer Daniel L. Wheeler  
 Engineer's Registration No. 530 L.L.S.  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date MAY 10, 1979 Scale 1" = 500'

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

**WELL LOCATION MAP**  
 FILE NO. 47-097-1948

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JUN 14 1979

G-O OVERHILL 332



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

JUN 28 1979  
DEPT. OF MINES

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ Dry  
(Kind)

Quadrangle Sago  
Permit No. Ups 1948

Company D. C. Malcolm, Inc.  
Address 1006 Commerce Sq., Charleston  
Farm Oldaker Unit Acres \_\_\_\_\_  
Location (waters) Childers Run  
Well No. 2 Elev. 1640  
District Union County Upshur  
The surface of tract is owned in fee by Edna Shreve  
Address Buckhannon, W. Va.  
Mineral rights are owned by Edna Shreve, et al  
Address \_\_\_\_\_  
Drilling Commenced 6-1-79  
Drilling Completed 6-6-79  
Initial open flow 8/G cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.  
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	829	829	to surface
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

Coal was encountered at 266, 258, 676, 763 Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 73 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand \_\_\_\_\_ Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	30		
Sand			30	230		
Sand			230	266		
Coal			266	269		
Sand & Shale			269	358		
Coal			358	362		
Sand & Shale			362	676		
Coal			676	679		
Sand & Shale			679	763		
Coal			763	765		
Sand & Shale			765	1292		
Big Lime			1292	1478		
Injun			1478	1505		
Sand & Shale			1505	1556		
Sand			1556	1638		
Sand & Shale			1638	1906		
Fifth Sand			1906	2010		
Sand & Shale			2010	3518		
Riley			3518	3542		
Sand & Shale			3542	3870		
Benson			3870	3916		
Sand & Shale			3916	4082		
					Total Depth	

(over)

\* Indicates Electric Log tops in the remarks section.

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Oldaker unit #2  
API Well No. 47 - 097 - 1498  
State County Permit

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

LOCATION: Elevation: \_\_\_\_\_ Watershed: Childers Run  
District: Union County: Upshur Quadrangle: Sago

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

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

OIL & GAS ROYALTY OWNER Edna Shreve et al  
Address 10 Gum Street  
Buckhannon, W. Va.

COAL OPERATOR Not operated  
Address \_\_\_\_\_

ACREAGE 22.5  
SURFACE OWNER \_\_\_\_\_  
Address \_\_\_\_\_  
Acreage \_\_\_\_\_

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Edna Shreve Et Al  
Address 10 Gum Street  
Buckhannon, W. Va.

FIELD SALE (IF MADE) TO:  
Name Consolidated Gas Supply  
Address Clarksburg, W. Va.

Name \_\_\_\_\_  
Address \_\_\_\_\_

OIL & GAS Name Mr. Robert Stewart  
P. O. Box 345  
Add Jane Lew, WV 2378  
Ph: 884-7782

COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
MAY 18 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 July 12, 1976, to the undersigned well operator from Consolidated Gas Supply  
[If said deed, lease, or other contract has been recorded:]

Recorded on \_\_\_\_\_, 19\_\_\_\_, in the office of the Clerk of the County Commission of \_\_\_\_\_ County, West Virginia, in \_\_\_\_\_ Book \_\_\_\_\_ at page \_\_\_\_\_. 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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

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

BLANKET BOND

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Union Drilling

Address Buckhannon, W. Va.

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 4000 feet Rotary  Cable tools

Approximate water strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.

Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes  No

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	8 5/8		20#	X		700'	700'	to surface	Sizes
Intermediate									
Production	4 1/2		10.5	X		4000'	4000'	300'	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 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 dwelling 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 1-18-80.

*Robert T. [Signature]*  
Secretary Director of Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded 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.

Date: \_\_\_\_\_, 19\_\_\_\_

By \_\_\_\_\_

Its \_\_\_\_\_