



FILE NO. _____
 DRAWING NO. 82-127-23-A
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. ELY 835
4000' S NORTHEAST OF GLENDALE

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) Carl B. O'Brien
 R.P.E. _____ L.L.S. 757



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JULY 14, 1982
 OPERATOR'S WELL NO. DOUGLAS #1
 API WELL NO. _____
47 - 085 - 5783
 STATE COUNTY PERMIT

TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 ELEVATION 878 WATER SHED GOOSE CREEK
 DISTRICT GRANT COUNTY RITCHIE
 ADJACENT PARTY SCHULTZ 7.5 St. Marys 151.5
 PARTY OWNER MYRTLE SNYDER, ETAL ACREAGE 325.5
 LEASE OWNER DOUGLAS HRS LEASE ACREAGE 325.5
 LEASE NO. _____
 DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR
 STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW
 INFORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 _____ CLEAN OUT AND REPLUG _____
 _____ ESTIMATED DEPTH 5660
 _____ CORPORATION DESIGNATED AGENT W. E. PARKHORST
5308 ADDRESS PO. BOX 5308
WEST VIRGINIA 26105 VIENNA, W.VA. 26105

AUG 9 1982



IV-35
(Rev 8-81)

Date Mar. 4, 1983
Operator's
Well No. 1
Farm Douglas heirs
API No. 47 - 085 - 5783

State of West Virginia
Department of Mines
Oil and Gas Division

RECEIVED

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE MAR 17 1983

WELL TYPE: Oil XX / Gas XX / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow XX /)

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

LOCATION: Elevation: 878' Watershed Goose Creek
District: Grant County Ritchie Quadrangle Schultz 7 1/2'

COMPANY Whitestone Corporation
ADDRESS Box 145, Mineralwells WV 26150
DESIGNATED AGENT Denzil L. Prather
ADDRESS Same
SURFACE OWNER Myrtle Snyder et al
ADDRESS Glendale WV
MINERAL RIGHTS OWNER Douglas heirs
ADDRESS Glendale WV
OIL AND GAS INSPECTOR FOR THIS WORK
S. Hersman ADDRESS Smithville WV
PERMIT ISSUED July 26, 1982
DRILLING COMMENCED Aug. 8, 1982
DRILLING COMPLETED Aug. 12, 1982

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	11 3/4"	190'	to surf.
9 5/8			
8 5/8		2070'	to surf.
7			
5 1/2		5733'	to 3000'
4 1/2			
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Devonian shale Depth 5600 feet
Depth of completed well 5733 feet Rotary XX / Cable Tools
Water strata depth: Fresh N/A feet; Salt feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Devonian shale Pay zone depth 5327-5626 feet
Gas: Initial open flow None Mcf/d Oil: Initial open flow None Bbl/d
Final open flow 200 Mcf/d Final open flow 10 Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 500 psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

MAR 21 1983

(Continue on reverse side)



Date: July 16, 19 82

Operator's Well No. Douglas #1

API Well No. 47 085 5783

State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 850' Watershed: _____
District: Grant County: Ritchie Quadrangle: Schultz 7 1/2 Quad

WELL OPERATOR Whitestone Corporation DESIGNATED AGENT Warren E. Parkhurst
Address P.O. Box 5308 Address P.O. Box 5308
Vienna, WV 26105 Vienna, WV 26105

OIL & GAS ROYALTY OWNER Douglas Heirs

COAL OPERATOR _____

Address _____

Address _____

Acreage 325.5

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Myrtle Snyder et al

Name _____

Address Glendale, WV

Address _____

Acreage _____

Name _____

FIELD SALE (IF MADE) TO:

Address _____

Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED

Name _____

Name Samuel Hersman

Address _____

Address Smithville, WV

(304) 477-3597

an assignment of

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 9, 19 82, to the undersigned well operator from White's Well Service

(If said deed, lease, or other contract has been recorded:)

Recorded on July 9, 19 82, in the office of the Clerk of the County Commission of Ritchie County, West Va., in Lease Book 146 at page 99. 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

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JUL 26 1982

OIL & GAS DIVISION
DEPT. OF MINES

BLANKET BOND

WHITESTONE CORPORATION

Well Operator

By

Its

Warren E. Parkhurst
Designated Agent

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) N/A
Address _____

GEOLOGICAL TARGET FORMATION, Oriskany Marcellus

Estimated depth of completed well, 5600-5995 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 _____ / No X /

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		Kinds	Sizes
Conductor	13-3/8	J55	80.7	X			200'	Cement to surface		
Fresh Water										
Coal										
Intermediate	8-5/8	J55	23	X			1800'	Cement to surface+300	SX	
Production	5 1/2	J55	10.5	X			5900'	3500' to TD +1000 SX		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,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 3-30-83
BY [Signature]

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.

WAIVER

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 _____

FILE COPY
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MAR 28 1985



1) Date: Feb. 1, 1985
 2) Operator's Well No. 1 Douglas Hrs
 3) API Well No. 47 085 5783Frac
 State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION
DEPT. OF MINES

- 4) WELL TYPE: A Oil / Gas XX /
 B (If "Gas", Production XX / Underground storage / Deep / Shallow XX /)
- 5) LOCATION: Elevation: 878' Watershed: Goose Creek
 District: Grant County: Ritchie Quadrangle: Schultz 7 1/2'
- 6) WELL OPERATOR Whitestone Corp. 53375 7) DESIGNATED AGENT Denzil L. Prather
 Address Box 91 Address same
Mineralwells, WV 26150
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Sam Hersman Name not applicable
 Address Box 66 Address
Smithville, WV 26178
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate XXXX /
 Plug off old formation XXXX / Perforate new formation XXXX /
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Devonian shale (Benson)
 12) Estimated depth of completed well, ± 5000' feet
 13) Approximate trata depths: Fresh n/a feet; salt, n/a feet.
 14) Approximate coal seam depths: none Is coal being mined in the area? Yes / No XXXX /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLUP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	11 3/4"			XX		190'	190'	surface	
Coal									Sizes
Intermediate	8 5/8"			XX		2070'	2070'	surface	
Production	5 1/2"			XX		5733'	5733'	576 ft ³	Depths set
Tubing	2 3/8"			XX			4800'		
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-085-5783Frac Date May 6 1985

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires May 6, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>SB</u>	Agent: <u>SW</u>	Plat: <u>MN MN</u>	Casing: <u>MN MN</u>	Fee: <u>255</u>
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Margaret J. Hesse
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File