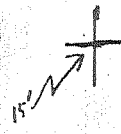


LATITUDE 38° 10' 00"

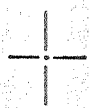
LONGITUDE 80° 10' 00"

2490



HEVENER

NO WELLS  
IN 2400 FT.



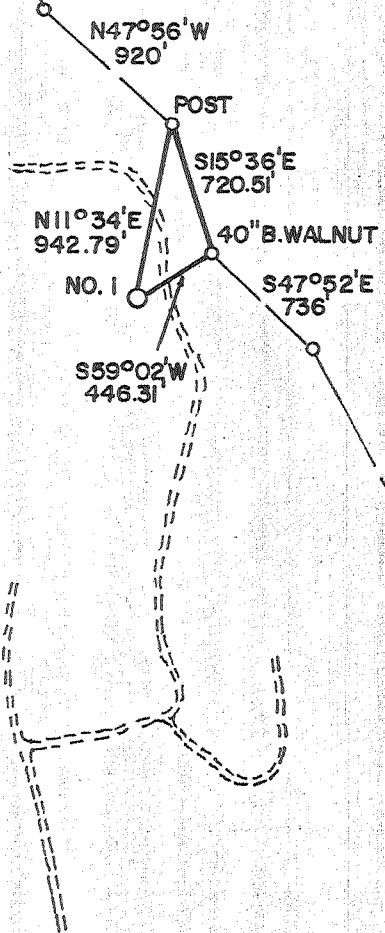
NORTH

SINKING SPRINGS  
FARMS, INC.

WIMER

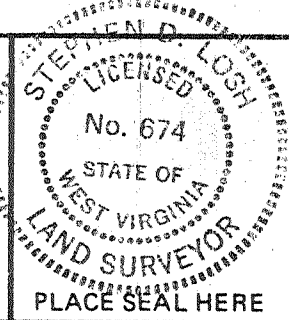
BEARD

LAND SURVEYING SERVICES  
RT. 2, BOX 215E  
JANE LEW, WV 26378  
PHONE: 304-745-4426

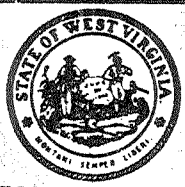


FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1"=1000'  
MINIMUM DEGREE OF  
ACCURACY 1 in 200  
PROVEN SOURCE OF  
ELEVATION RD. INTER. 2000' S.W.  
OF LOCATION ELEV. - 2289'

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 REGU-  
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
MENT OF MINES.  
(SIGNED) Stephen D. Losh  
R.P.E. \_\_\_\_\_ L.L.S. 674  
STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION



DATE DECEMBER 28, 19 83  
OPERATOR'S WELL NO. POCAHONTAS NO. 1  
API WELL NO.  
47 - 075 - 0041 - P  
STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 2318' WATER SHED STAMPING CREEK  
DISTRICT LITTLE LEVELS COUNTY POCAHONTAS  
QUADRANGLE HILLSBORO 7.5 min. Marlinton  
SURFACE OWNER SINKING SPRINGS FARMS, INC. ACREAGE 172  
OIL & GAS ROYALTY OWNER SINKING SPRINGS FARMS, INC. LEASE ACREAGE 1678.75  
LEASE NO. \_\_\_\_\_  
PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5995'  
WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD  
ADDRESS P.O. DRAWER F ADDRESS P. O. DRAWER F  
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

SEP 15 1986

Poc 41

9060'

LATITUDE 38° 10' 00"

+ 15'

2490'

LONGITUDE 80° 10' 00"

HEVENER

NO WELLS  
IN 2400 FT.



0.4MS  
170W

N47°56'W  
920'

POST

WIMER

S18°36'E  
720.5'

N11°34'E  
942.79'

NO. 1

S59°02'W  
446.3'

S47°52'E  
736'

40" B. WALNUT

SINKING SPRINGS  
FARMS, INC.

NORTH

LAND SURVEYING SERVICES  
RT. 2, BOX 215E  
JANE LEW, WV 26378  
PHONE: 304-745-4426

BEARD

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1"=1000'  
MINIMUM DEGREE OF  
ACCURACY 1 in 200  
PROVEN SOURCE OF  
ELEVATION RD. INTER. 2000' S.W.  
OF LOCATION ELEV. - 2289'

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 REGU-  
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
MENT OF MINES.

(SIGNED) Stephen D. Losh  
R.P.E. \_\_\_\_\_ L.L.S. 674

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION



DATE DECEMBER 28, 19 83  
OPERATOR'S WELL NO. POCAHONTAS NO. 1  
API WELL NO. 47 - 075 - 0041  
STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF 'GAS,') PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 2318' WATER SHED STAMPING CREEK  
DISTRICT LITTLE LEVELS COUNTY POCAHONTAS  
QUADRANGLE HILLSBORO 7.5 min. Marlinton 15' WC 4  
SURFACE OWNER SINKING SPRINGS FARMS, INC. ACREAGE 172  
OIL & GAS ROYALTY OWNER SINKING SPRINGS FARMS, INC. LEASE ACREAGE 1678.75  
LEASE NO. \_\_\_\_\_  
PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5995'  
WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD  
ADDRESS P.O. DRAWER F ADDRESS P.O. DRAWER F  
BUCKHANNON, WV 26201 1-0 unnamed (0) BUCKHANNON, WV 26201

Samples from 340-5726 TD rec'd 3/65

RECEIVED  
AUG 28 1986



DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

WR-35

State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

Date JUNE 5, 86  
Operator's  
Well No. POCAHONTAS #1 208-  
Farm SINKING SPRINGS  
API No. 47 - 075 - 0041

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 2318 Watershed STAMPING CREEK  
District: LITTLE LEVEL County POCAHONTAS Quadrangle HILLSBORO 7.5

COMPANY STONEWALL GAS COMPANY  
ADDRESS PO DRAWER R, JANE LEW, WV 26378  
DESIGNATED AGENT CHARLES W. CANFIELD  
ADDRESS PO DRAWER R, JANE LEW, WV 26378  
SURFACE OWNER SINKING SPRINGS FARMS, INC.  
ADDRESS HILLSBORO, WV 24946  
MINERAL RIGHTS OWNER SAME AS ABOVE  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK CRAIG  
DUCKWORTH ADDRESS GASSAWAY, WV 26624  
PERMIT ISSUED FEBRUARY 8, 84  
DRILLING COMMENCED FEBRUARY 23, 84  
DRILLING COMPLETED MARCH 16, 84  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
CN

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	20		
13-10"	322	322	275 sks.
9 5/8	3083	3083	330 sks
8 5/8			
7			
5 1/2			
4 1/2	3916	3916	620 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION DEVONIAN SHALE Depth 5726 feet  
Depth of completed well 3900 feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 150 feet; Salt 1845 feet  
Coal seam depths: n/a Is coal being mined in the area? no

OPEN FLOW DATA  
Producing formation DEVONIAN SHALE Pay zone depth 3900 feet  
Gas: Initial open flow N/A Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow N/A Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure 1200 psig (surface measurement) after \_\_\_\_\_ 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

(Continue on reverse side.)

SEP 2 1986

Rec - 2547

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.  
 FRACTURE 03-28-84

	PERFS	HOLES	N2	BD	ISIP
SHALE	3850-70	20	450	2100	1700
BENSON	2890-95	10	460	3100	1550

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
CLAY	YEL	SOFT	0	14	42' 5" STREAM H <sub>2</sub> O
LIME	BRN	MED	14	20	
LIME & SHALE	BRN	MED	20	81	150' 10" STREAM H <sub>2</sub> O
RED ROCK	RED	HARD	81	110	
SHALE	GREY	HARD	110	240	GAS CK @ 2800 NO SHOW
LIME	BRN	MED	240	298	
SHALE & SAND	BRN	MED	298	1500	GAS CK @ 3700 NO SHOW
SAND & SHALE	BRN	MED	1500	4370	
SHALE	BRN	HARD	4370	5726	GAS CK @ 5700 NO SHOW
TD				5726	

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY

Well Operator

By: Benjamin A. Hardesty  
 BENJAMIN A. HARDESTY, VICE PRESIDENT  
 Date: JUNE 5, 86

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including all encountered in the drilling of a well."



1) Date: January 16, 1984  
 2) Operator's Well No. Pocahontas #1 (208-S)  
 3) API Well No. 47 - 075 - 0041  
 State County Permit

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

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow )  
 5) LOCATION: Elevation: 2318 Watershed: Stamping Creek  
 District: Little Levels County: Pocahontas Quadrangle: HILLSBORO 7.5'  
 6) WELL OPERATOR Stonewall Gas Company 7) DESIGNATED AGENT Charles W. Canfield  
 Address P. O. Drawer F Address P. O. Drawer F  
Buckhannon, WV 26201 Buckhannon, WV 26201  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Craig Duckworth Name S. W. Jack Drilling  
 Address Box 107 Davison Rd. Address Buckhannon, WV 26201  
Gassaway, WV 26624 (364-5942)  
 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate   
 Plug off old formation  / Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_  
 11) GEOLOGICAL TARGET FORMATION, Devonian Shale  
 12) Estimated depth of completed well, 5995 feet  
 13) Approximate trata depths: Fresh, 80' feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: No Coal Is coal being mined in the area? Yes \_\_\_\_\_

**RECEIVED**  
 JAN 23 1984

OIL & GAS DIVISION  
 DEPT. OF MINES

15) 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	20				X		20'	As required	Kind Cement to surface
Fresh water	13 3/8	ERW	54	X			300'	230 sacks	
Coal									Sizes
Intermediate	9 5/8	ERW	36	X			2000-2500	AS required	to surface by Rule 150
Production	4 1/2	N80	11.6	X			5995	As required	by rule 150
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-075-0041

February 8, 1984  
 Date

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 February 8, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <b>BLANKET</b>	Agent: <u>LS</u>	Plat: <u>MH</u>	Casing <u>MH</u>	Fee <u>1324</u>
-------------------------	---------------------	--------------------	---------------------	--------------------

*[Signature]*  
 Administrator, Office of Oil and Gas

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

File