

*Janice 7/19/88*

9360'

WELL REFERENCES:  
S20°E, 203.50' TO 10" WALNUT  
N77°30'W, 117.50' TO F. POST

LATITUDE 39°15'00'

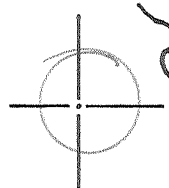
MILLS

MEEK

BUNTEN

LONGITUDE 80°35'00"

NORTH



H. MEEK  
96 AC.

*1.185  
1.760*

BUCKEYE CK.

CO. RT. 15

N78°30'W, 197.09'

SPIKE IN & PAVED ROAD

NO. 1

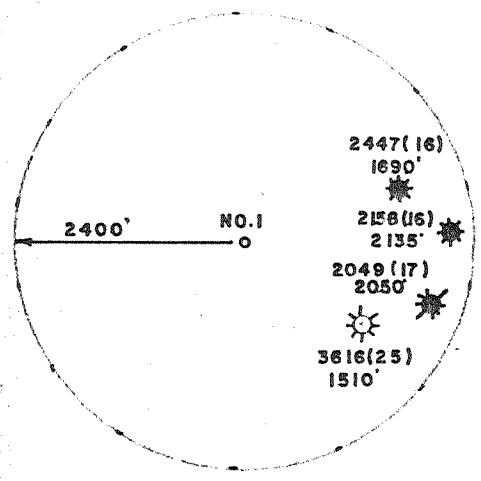
POST WITH WALNUT PTR.

FOREMAN

DENNISON

DUFF

TIE LINES:  
A - N63°14'E, 350.61'  
B - S26°27'W, 296.42'  
C - N59°17'W, 210.55'

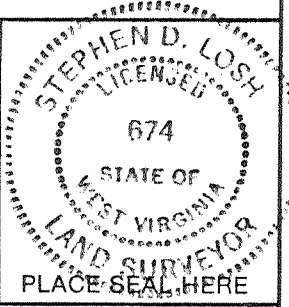


LAND SURVEYING SERVICES  
21 CEDAR LANE  
BRIDGEPORT, WV 26330  
PHONE: 304-842-2018

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

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION RD. INTER. 2500' S.E. OF LOCATION ELEV. - 904'

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 ENERGY.  
(SIGNED) *Stephen D. Losh*  
R.P.E. \_\_\_\_\_ L.L.S. 674  
STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE MARCH 13, 1988  
OPERATOR'S WELL NO. MEEK NO. 1  
API WELL NO. \_\_\_\_\_

47 - 017 - 3657  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW

LOCATION: ELEVATION 887' WATER SHED BUCKEYE CREEK  
DISTRICT GREENBRIER 4 COUNTY DODDRIDGE  
QUADRANGLE BIG ISAAC 7.5 min. 252 123 2 VADIS NC

SURFACE OWNER HARRY MEEK ACREAGE 96 OF 174.63  
OIL & GAS ROYALTY OWNER HARRY MEEK, ET. AL. LEASE ACREAGE 101  
LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL  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 ALEXANDER ESTIMATED DEPTH 5300'  
WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD  
ADDRESS P.O. DRAWER R 847 ADDRESS P.O. DRAWER R  
JANE LEW, WV 26378 JANE LEW, WV 26378

COUNTY NAME PERMIT

FORM WW-6 H.T. HALL 5-8673

*6-6 Zinnia (145) JUL 22 1988*

WR-35



Date SEPT. 20, 1988

**RECEIVED**  
OCT 03 1988

State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

Operator's Well No. H. MEEK #1  
(370-S)  
Farm \_\_\_\_\_  
API No. 47 - 017 - 3657

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

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: 887 Watershed BUCKEYE CREEK  
District: GREENBRIER County DODDRIDGE Quadrangle BIG ISAAC 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 HARRY MEEK

ADDRESS RT 1, SALEM, WV 26426

MINERAL RIGHTS OWNER SAME AS SURFACE

ADDRESS \_\_\_\_\_

OIL AND GAS INSPECTOR FOR THIS WORK MIKE

UNDERWOOD ADDRESS RT 2, BOX 135, SALEM,

PERMIT ISSUED 07-18-88 WV 26426

DRILLING COMMENCED 08-22-88

DRILLING COMPLETED 08-27-88

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

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	172	172	120 SKS
9 5/8			
8 5/8	1527	1527	240 SKS
7			
5 1/2			
4 1/2	5328	5328	410 SKS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION ALEXANDER Depth 5180 feet

Depth of completed well 5328 feet Rotary X / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 207 feet; Salt 1680 feet

Coal seam depths: 85 TO 87 Is coal being mined in the area? NA

OPEN FLOW DATA

Producing formation ALEXANDER Pay zone depth 5180 feet

Gas: Initial open flow 100 Mcf/d Oil: Initial open flow NA Bbl/d

Final open flow (919) Mcf/d Final open flow NA Bbl/d

Time of open flow between initial and final tests 48 hours

Static rock pressure 1530 psig (surface measurement) after 48 hours shut in (If applicable due to multiple completion--)

Second producing formation BENSON Pay zone depth 4860 feet

Gas: Initial open flow 180 Mcf/d Oil: Initial open flow NA Bbl/d

Final open flow 919 Mcf/d Oil: Final open flow NA Bbl/d

Time of open flow between initial and final tests 48 hours

Static rock pressure 1530 psig (surface measurement) after 48 hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.  
 FRAC TWO STAGE 09-07-88

PERFS	HOLES	BBL	SAND	BD	ISIP
ALEXANDER 5128-5202	14	700	70,000	2300	1900
BENSON 4722-4859	13	700	70,000	2250	1700

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
FILL	BLACK	SOFT	0	10	HOLE DAMP 27'
SHALE	RED	SOFT	10	180	COAL 85 TO 87
RED ROCK	RED	SOFT	180	207	WATER 207
SAND & RED ROCK	RED	SOFT	207	1050	
SAND & SHALE	GREY	SOFT	1050	1920	GAS @ 2777 10/10 2" H <sub>2</sub> O
BIG LIME	GREY	HARD	1920	2010	GAS @ 4770 9/10 2" H <sub>2</sub> O
BIG INJUN	GREY	SOFT	2010	2070	GAS @ 4910 9/10 2" H <sub>2</sub> O
GORDON ON STRAY	GREY	SOFT	2560	2580	GAS @ 5359 10/10 2" H <sub>2</sub> O
GORDON	GREY	SOFT	2640	2750	
RILEY	GREY	SOFT	4720	4770	GAS TD 10/10 2" H <sub>2</sub> O
BENSON	BROWN	HARD	4850	4910	
ALEXANDER	GREY	HARD	5120	5230	
	TD			5420	

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 OCT 03 1988

DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY  
 Well Operator

By: Benjamin A. Hardesty  
 BENJAMIN A. HARDESTY, VICE PRESIDENT

Date: SEPTEMBER 23, 1988

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  
 ... of a well."

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017-3657  
Issued 7/18/88 Expires 7/18/90  
Page \_\_\_\_\_ of \_\_\_\_\_

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

- ) Well Operator: STONEWALL GAS COMPANY 47850, 4, 252
- ) Operator's Well Number: HARRY MEEK #1 (370-S) 3) Elevation: 887'
- ) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- ) Proposed Target Formation(s): ALEXANDER
- ) Proposed Total Depth: 5400 feet
- ) Approximate fresh water strata depths: 115'
- ) Approximate salt water depths: 1280'
- ) Approximate coal seam depths: N/A 643-647
- 0) Does land contain coal seams tributary to active mine? Yes  / No  /
- 1) Proposed Well Work:
- 2)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4	ERW	42#	150'	150'	<sup>CTS</sup> 38CSR18-11.3
Fresh Water					<u>O.F.M.C.</u>	
Coal						<u>38CSR18-11.22</u>
Intermediate	8 5/8	ERW	23#	1500'	1500'	<sup>CTS</sup> 38CSR18-11.3
Production	4 1/2	ERW	10.5#	5350'	5350'	38CSR18-11.1
Tubing						
Liners						

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JUL 01 1988

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

1579  
20  
Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
Plat 11 WW-9 11 WW-2B 11 Bond 50 Blumberg  Agent  
(Type)

**RECEIVED**  
JUL 01 1988

DIVISION OF OIL & GAS 3)  
DEPARTMENT OF ENERGY

Date: JUNE 23, 1988  
Operator's well number  
HARRY MEEK #1 370-S  
API Well No: 47 - 017 - 3657  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Harry Meek  
Address Rt 1  
Salem, WV 26426
- (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Mike Underwood  
Address Rt 2, Box 135  
Salem, WV 26426  
Telephone (304)-782-1043

- 5) (a) Coal Operator:  
Name N/A  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name Willis G. Tetrick, Jr  
Address P.O. Box 267  
Clarksburg, WV 26301  
~~XXXX~~  
Address \_\_\_\_\_
- (c) Coal Lessee with Declaration  
Name Consolidation Coal Co.  
Address P.O. Box 1632  
Fairmont, WV 26554

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

\_\_\_\_\_ Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)
- \_\_\_\_\_ Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator STONEWALL GAS COMPANY  
By: [Signature]  
Its: VICE PRESIDENT  
Address P.O. DRAWER R  
JANE LEW, WV 26378  
Telephone 304-884-7881

Subscribed and sworn before me this 23 day of JUNE, 1988

Richard K. Edwick  
My commission expires OCT. 14, 1993

~~XXXXXX~~ Commissioner Of West Virginia