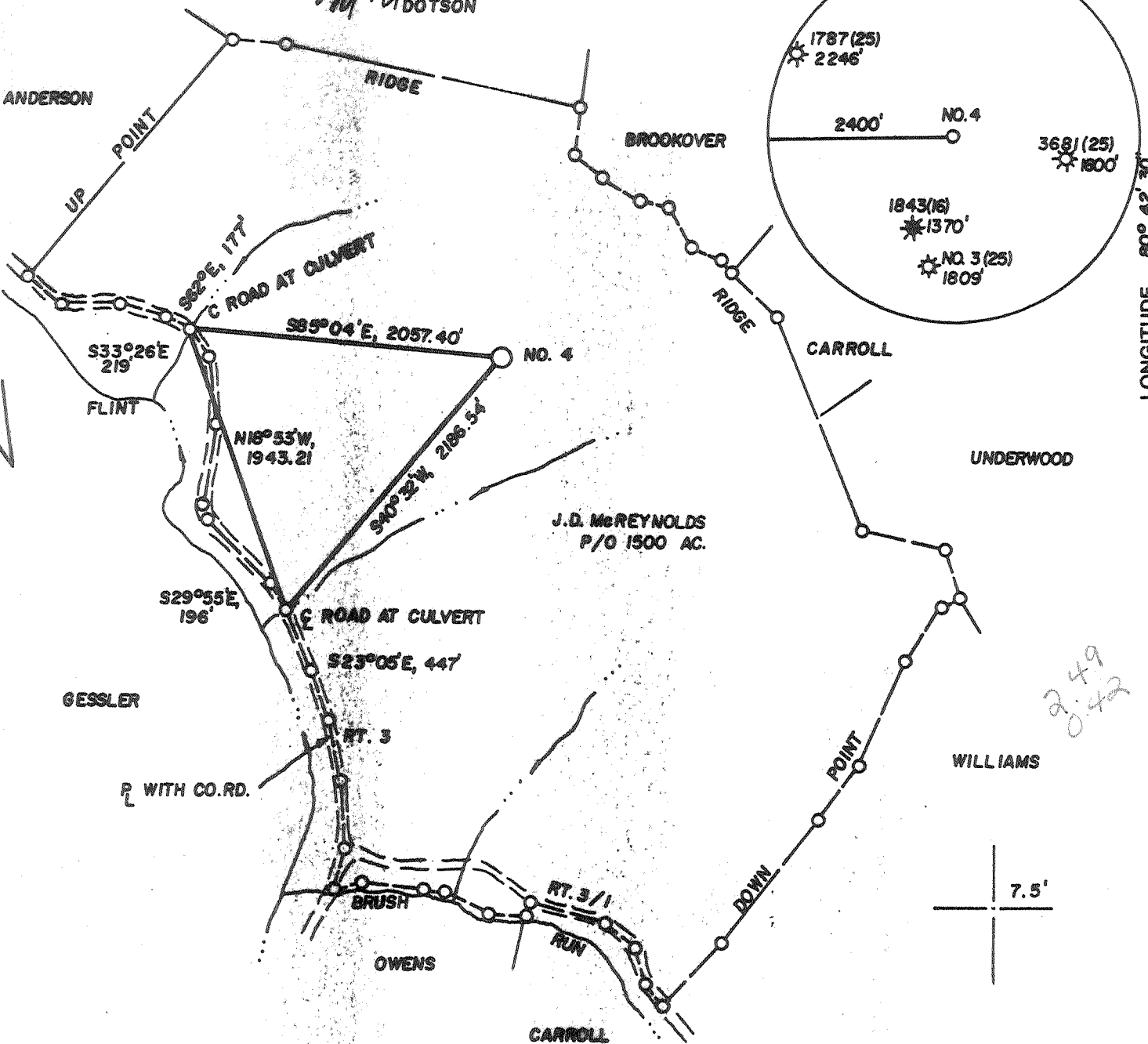
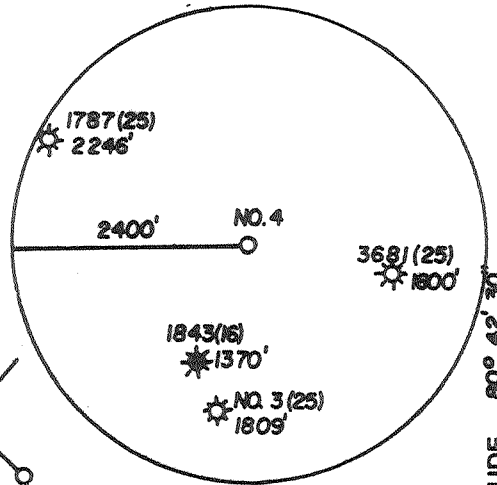


WELL REFERENCES:
N32°W, 118' TO 6" WH. OAK
N83°W, 116' TO 6" WH. OAK

Jamil
10/18/93
DOTSON

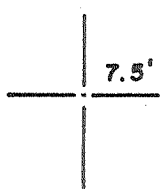


LONGITUDE 80° 42' 30"

13.100

2.49
0.42

2.49
265

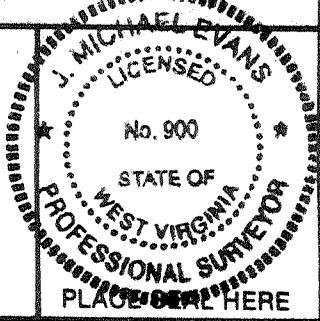


LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION EXIST. WELL 1781
AT ELEV. - 774'

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) J. Michael Evans
 R.P.E. _____ L.L.S. 900



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



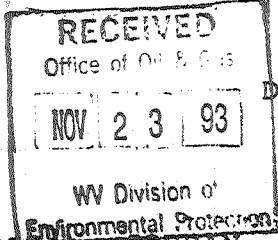
DATE MAY 20, 19 93
 OPERATOR'S WELL NO. McREYNOLDS 4
 API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
 LOCATION: ELEVATION 1110' WATERSHED _____ FLINT RUN _____
 DISTRICT GRANT COUNTY DODDRIDGE
 QUADRANGLE CENTER POINT 7.5'
 SURFACE OWNER STANLEY JORDON ACREAGE 460
 OIL & GAS ROYALTY OWNER J.D. McREYNOLDS LEASE ACREAGE 1500
 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 _____ 6-6 Centerpoint (098) OCT 27 1993
 TARGET FORMATION BENSON ESTIMATED DEPTH 5450'
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT JESSE SHELL
 ADDRESS P.O. DRAWER R 897 ADDRESS P.O. DRAWER R
JANE LEW, WV 26378-0080 JANE LEW, WV 26378-0080

COUNTY NAME PERMIT



State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: JORDAN, STANLEY & LOREEN Operator Well No.: McREYNOLDS #4

LOCATION: Elevation: 1,110.00 Quadrangle: CENTER POINT

District: GRANT County: DODDRIDGE
Latitude: 13100 Feet South of 39 Deg. 25Min. Sec.
Longitude 2275 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: STONEWALL GAS COMPANY

909 E. MAIN ST., P.O. BOX 1575
RICHMOND, VA 23213-0000

Agent: JESSE A. SHELL

Inspector: MIKE UNDERWOOD

Permit Issued: 10/20/93

Well work Commenced: 10-24-93

Well work Completed: 10-29-93

Verbal Plugging

Permission granted on:

Rotary X Cable Rig

Total Depth (feet) 5293

Fresh water depths (ft) 55, 605

Salt water depths (ft)

None Reported

Is coal being mined in area (Y/N)? N

Coal Depths (ft): None reported

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	133	133	70 SKS
8 5/8	1437	1437	360 SKS
4 1/2	5247	5247	165 SKS

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5138

Gas: Initial open flow 103 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 660 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 1 Hours

Static rock Pressure 1350 psig (surface pressure) after 168 Hours

Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: STONEWALL GAS COMPANY

TMG

By: *[Signature]* RAY M. FREAR, JR.

Date: NOVEMBER 18, 1993 PETROLEUM ENGINEER

NOV 30 1993

1 STAGES	Water	FRAC	11/11/93	DATE		
ZONES	PERFS	HOLES	BBL	BP	ISIP	
Benson	5138-5143'	15	700	1701	2035	

FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS
SHALE	GRAY	HARD	0	40	
RED ROCK	RED	HARD	40	55	
SAND	BROWN	SOFT	55	115	OIL ODOR @ 2005
SANDY SHALE	GRAY	HARD	115	125	GAS CK @ 2260 NO SHOW
RED ROCK	RED	HARD	125	151	2925 10/10 2" OF W/W
SAND	BROWN	SOFT	151	191	4628 6/10 2" OF W/W
RED ROCK	RED	HARD	191	211	4760 6/10 2" OF W/W
SANDY SHALE	GRAY	HARD	211	218	5135 6/10 2" OF W/W
SAND	BROWN	SOFT	218	227	5167 6/10 2" OF W/W
SANDY SHALE	GRAY	SOFT	227	279	TD 6/10 2" OF W/W
SAND	BROWN	SOFT	279	303	
SANDY SHALE	GRAY	HARD	303	520	
SANDY LIME	GRAY	HARD	520	530	
SANDY SHALE	GRAY	HARD	530	596	
SAND	BROWN	SOFT	596	620	
SANDY SHALE	GRAY	HARD	620	736	
SAND	BROWN	SOFT	736	755	
SANDY SHALE	GRAY	SOFT	755	910	
RED ROCK	RED	HARD	910	952	
SANDY SHALE	GRAY	HARD	952	962	
SHALE & RR	GRAY	HARD	962	1010	
SANDY SHALE	BROWN	SOFT	1010	1174	
SAND	BROWN	SOFT	1174	1310	
SANDY SHALE	GRAY	HARD	1310	1387	
SHALE	GRAY	HARD	1387	1412	
SANDY SHALE	BROWN	SOFT	1412	1560	
SAND	BROWN	SOFT	1560	1623	
SANDY SHALE	GRAY	HARD	1623	1951	
SHALE	GRAY	HARD	1951	1993	
L. LIME SANDS	BROWN	SOFT	1962	1977	
B. LIME	BROWN	SOFT	1992	2087	
B. INJUN	BROWN	SOFT	2087	2222	
SANDY SHALE	GRAY	HARD	2222	2380	
SAND	GRAY	HARD	2380	2450	
SANDY SHALE	BROWN	SOFT	2450	2583	
SAND	BROWN	SOFT	2583	2645	
SANDY SHALE	GRAY	SOFT	2645	3033	
SAND	GRAY	SOFT	3033	3056	
SANDY SHALE	GRAY	HARD	3056	3381	
SAND	BROWN	SOFT	3381	3393	
SANDY SHALE	BROWN	SOFT	3393	4265	
SAND	BROWN	SOFT	4265	4300	
SANDY SHALE	GRAY	HARD	4300	4675	
RILEY	GRAY	HARD	4670	4690	
SANDY SHALE	BROWN	SOFT	4690	5130	
BENSON	BROWN	SOFT	5130	5154	
SANDY SHALE	GRAY	SOFT	5154	5293	
TD			5293		

DF-424
DFT-435

18070

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

Issued 10/20/93

Expires 10/20/95

18070

Well Operator: STONEMALL GAS COMPANY ³⁴⁷ 47850 (3) 286

Operator's Well Number: McREYNOLDS #4 (610-S) 3) Elevation: 1110'

Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /

Proposed Target Formation(s): Benson 435

Proposed Total Depth: 5370 feet

Approximate fresh water strata depths: 100', 380', 910'

Approximate salt water depths: 1250', 1680'

Approximate coal seam depths: 570'

Does land contain coal seams tributary to active mine? Yes / No X /

Proposed Well Work: DRILL AND STIMULATE NEW WELL

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"		27#	120'	<u>CS 120'</u>	38 CSR 18-11.3
Fresh Water					<u>↑</u>	<u>10.6 kmu</u>
Intermediate	8 5/8"		20#	1320'	<u>CS 1320'</u>	38 CSR 18-11.2.2
Production	4 1/2"	J-55	10.5#	5310'	5310'	38 CSR 18-11.1
Tubing						
Packers						

RECEIVED
WV Division of
Environmental Protection

PACKERS : Kind Sizes Depths set OCT 04 93 Permitting

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
plat WW-9 WW-2B Bond CD Blanket Agent

RECEIVED
WV Division of
Environmental Protection
OCT 04 93
Permitting
Office of Oil & Gas

1) Date: OCTOBER 1, 1993
2) Operator's well number
MC REYNOLDS #4 (610-S)
3) API Well No: 47 - 017 - 4056
State - County - Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name STANLEY L. & LOREEN V.
Address JORDAN
41 FRONT ST., YORK HAVEN, PA 17370
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
- Name N/A
Address _____
 - (b) Coal Owner(s) with Declaration
Name ABRY F. GLASPELL
Address CP STAR ROUTE
WEST UNION, WV 26456
Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name N/A
Address _____
- 6) Inspector MIKE UNDERWOOD
Address RT 2 BOX 135
SALEM, WV 26426
Telephone (304)-782-1043

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
X 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)
- X 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: B.A. Hardesty B. A. HARDESTY
Its: PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378-0080
Telephone 304-884-7881

Subscribed and sworn before me this 1ST day of OCTOBER, 19 93

Dorothy Queen Notary Public
My commission expires MAR.14, 2000