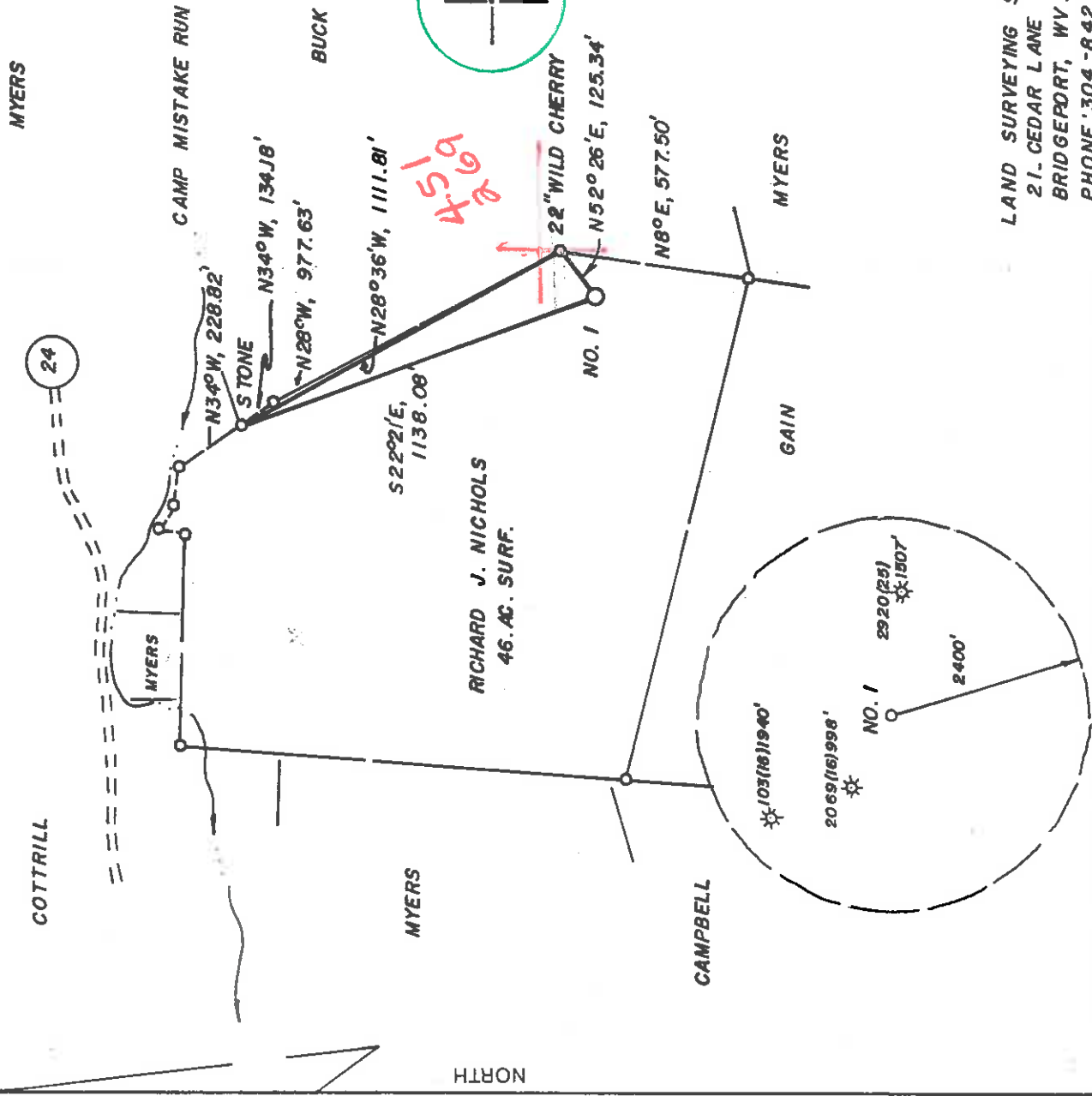


9/17/87

2445' 25
LATITUDE 39° 22' 30"
LONGITUDE 80° 47' 30" 57
8665

WELL REFERENCES:
N61°E, 111' TO 10" CHESTNUT OAK
S61°E, 105' TO 8" ELM

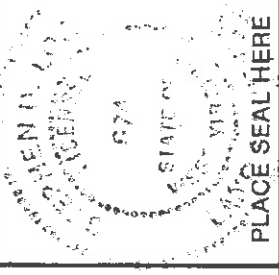


LAND SURVEYING SERVICES
21. CEDAR LANE
BRIDGEPORT, WV. 26330
PHONE: 304-842-2018

(+) 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 TOP OF KNOB 1030'
SW. OF LOC. AT ELEV. 1282'

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. NO. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

DATE SEPT. 11, 19 87
OPERATOR'S WELL NO. DAWSON 1
API WELL NO. _____

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1220' WATER SHED CAMP MISTAKE RUN
DISTRICT WEST UNION 4 COUNTY DODDRIDGE
QUADRANGLE WEST UNION 7.5' 671 1536 West Union EC
SURFACE OWNER RICHARD J. NICHOLS ACREAGE 46
OIL & GAS ROYALTY OWNER E.O. DAWSON, ET AL. LEASE ACREAGE 46

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 BENSON ESTIMATED DEPTH 5500'
WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
ADDRESS P.O. DRAWER R 847 ADDRESS P.O. DRAWER R
JANE LEW, WV 26378-0080 6-6 Wilbur (92)
JANE LEW, WV 26378-0080

PERMIT

SEP 21 1987

COUNTY NAME



RECEIVED
OCT 28 1987

State of West Virginia

DEPARTMENT OF ENERGY
Oil and Gas Division

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Date OCTOBER 21, 87
Operator's Well No. DAWSON #1 244-S
Farm DAWSON
API No. 47-017-3592

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

LOCATION: Elevation: 1220 Watershed CAMP MISTAKE RUN

District: WEST UNION County DODDRIDGE Quadrangle WEST UNION 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 RICHARD NICHOLS

ADDRESS 856 CHESTER RD, CHARLESTON, WV 25302

MINERAL RIGHTS OWNER SAME AS SURFACE

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK MIKE

UNDERWOOD ADDRESS RT 2, BOX 135, SALEM,

PERMIT ISSUED SEPTEMBER 17, 87 WV 26426

DRILLING COMMENCED OCT 7, 87

DRILLING COMPLETED OCT 12, 87

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

Caging Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10 1 3/4	308	308	145 SKS
9 5/8			
8 5/8	1623	1623	340 SKS
7			
5 1/2			
4 1/2	5293	5293	600 SKS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION BENSON Depth 5130 feet

Depth of completed well 5293 feet Rotary X / Cable Tools

Water strata depth: Fresh 218 feet; Salt 1490 feet

Coal seam depths: N/A Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation BENSON Pay zone depth 5130 feet

Gas: Initial open flow 65 Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow 581 Mcf/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests 48 hours

Static rock pressure 1150 psig (surface measurement) after 48 hours shut in

(If applicable due to multiple completion--)

Second producing formation BALLTOWN Pay zone depth 3680 feet

Gas: Initial open flow 65 Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow 581 Mcf/d Oil: Final open flow N/A Bbl/d

Time of open flow between initial and final tests 48 hours shut in

Static rock pressure 1150 psig (surface measurement) after 48 hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
 FRAC TWO STAGES 10/16/87

PERFS	HOLES	BBL	SAND	B.D.	I.S.I.P.
BENSON					
5129 - 5136	20	870	65,000 #	1700 #	1550 #
BALLTOWN					
3676 - 3686	20	650	55,000 #	1300 #	1200 #

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
FILL	RED	SOFT	0	10	1" STREAM H ₂ O 218'
SHALE & RED ROCK	RED	SOFT	10	230	
SAND & SHALE	GREY	SOFT	230	1730	1" STREAM H ₂ O 1490'
SAND	GREY	SOFT	1730	2130	
BIG LIME	GREY	HARD	2130	2210	
BIG INJUN	GREY	HARD	2210	2310	GAS CK @ 2310 30/10 1" H ₂
WEIR	GREY	SOFT	2470	2570	
BEREA	GREY	SOFT	2670	2680	
GORDON	GREY	SOFT	2870	2920	
BALLTOWN	GREY	SOFT	3570	3680	
RILEY	GREY	HARD	4720	4800	GAS CK @ 4802 12/10 1" H ₂
BENSON	GREY	HARD	5100	5210	GAS CK @ 5214 44/10 1" H ₂
T.D.				5374	GAS CK @ T.D. 40/10 1" H ₂

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 OCT 28 1987
 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY
 Well Operator
 By: *Benjamin A. Hardesty*
 Date: BENJAMIN A. HARDESTY, VICE PRESIDENT

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

