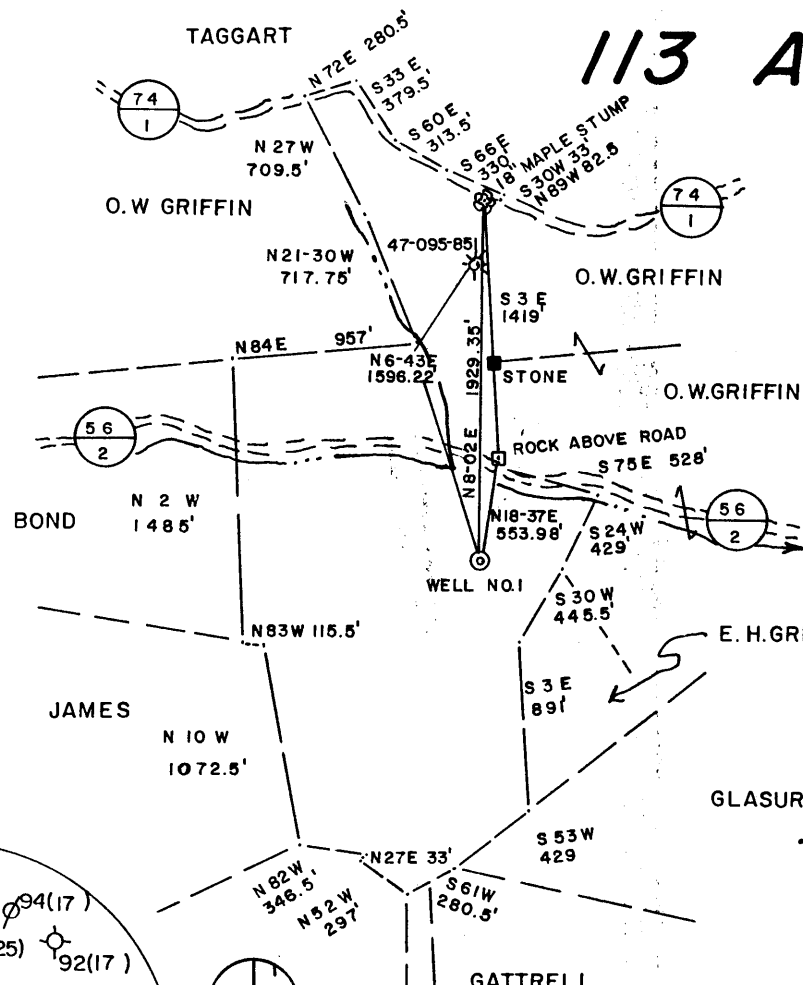


Jamie 7/6/98

GRIFFIN LEASE WELL NO. 1

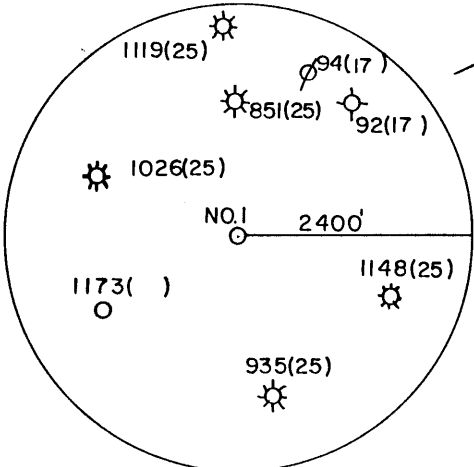
113 ACRES



NORTH

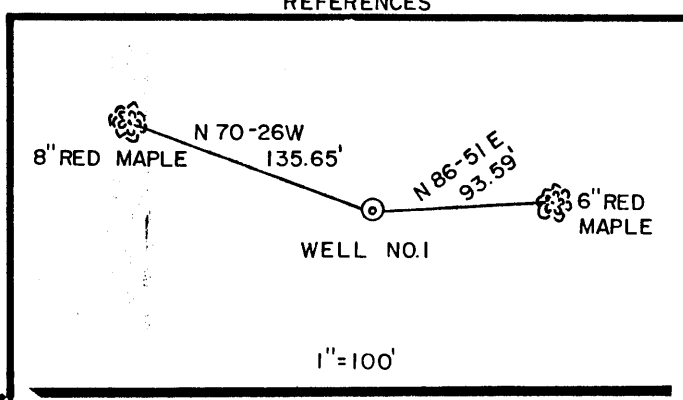
LONGITUDE 80-50-00

12,420



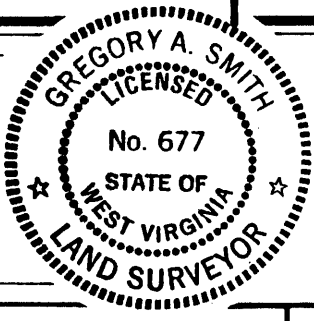
*2.325
1.860*

*5.20
1.86*



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.


L.L.S. *Gregory A. Smith*
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JUNE 17, 19 88
OPERATORS WELL NO. GRIFFIN NO.1
API WELL NO. 47 - 095 - 1250
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1866 (24 - 59)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1088'
SCALE 1" = 1000'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1042' WATERSHED SHORT RUN DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE WEST UNION 7.5 671 *+15' 0*

SURFACE OWNER EDITH H. GRIFFIN ACREAGE 113 *133*
ROYALTY OWNER O.W.GRIFFIN HRS. ETAL. LEASE ACREAGE 113 OF 220 *5*

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BENSON
ESTIMATED DEPTH 5000'

WELL OPERATOR ANVIL OIL CO., INC. DESIGNATED AGENT JUSTIN HENDERSON
ADDRESS P.O. BOX 1230 FAIRMONT, WV 26554 - 1230 ADDRESS P.O. BOX 1230 FAIRMONT, WV 26554 - 1230

6-6 Stanley (090)

Well Operator's Report of Well Work

Well name: GRIFFIN, EDITH Operator Well No.: GRIFFIN 1

LOCATION: Elevation: 1042.00 Quadrangle: WEST UNION

District: CENTERVILLE County: TYLER
 Latitude: 12420 Feet South of 39 Deg. 22Min. 30 Sec.
 Longitude 9910 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: ANVIL OIL CO., INC.
 P. O. BOX 1230
 FAIRMONT, WV

Casings & Tubing	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
8 5/8	1190	1150	245 sks
4 1/2	5150	4991	245 sks

Agent: JUSTIN L. HENDERSON

Inspector: ROBERT LOWTHER
 Permit Issued: 07/06/88
 Well work Commenced: 07-07-88
 Well work Completed: 07-11-88
 Verbal Plugging
 Permission granted on:
 Rotary XXX Cable 5150 Ris
 Total Depth (feet) 5150
 Fresh water depths (ft) 65
 Salt water depths (ft) 2040
 Is coal being mined in area (Y/N) no
 Coal Depths (ft): none reported

RECEIVED
 JAN 24 1990

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4922-27
 Gas: Initial open flow 863 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 4 Hours
 Static rock Pressure 1350 psis (surface pressure) after 72 Hours

Second producing formation Riley Pay zone depth (ft) 4518-4550
 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 _____ psis (surface pressure) after _____ Hours

Riley commingled with Benson

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: ANVIL OIL CO., INC

By: *Justin Henderson*

Date: _____

FEB 02 1990

Well treated as follows:

Benson perforated from 4920-5048 with 14 holes. Fracked with 500 sks sand, 500 bbls treated fluid, Aug rate 21 bpm, Aug psi: 2547

Riley perforated from with holes. Fracked with sks sand, bbls treated fluid, Aug rate bbls pm, Aug psi

Electric log tops

Big Lime-----1792

Berea-----²⁴⁰⁴-----

Riley-----

Benson-----⁴⁹⁰⁰-----

red rock	0-----12	sd/shale	2515-----2810
sand	12-----25	sand	2810-----2845
rr/sh	25-----45	sd/shale	2845-----4478
sand	45-----75 wet 50	sand	4478-----4525
rr	75-----136	sd/shale	4525-----4891
sand	136-----166	sand	4891-----4900
sd/shale	166-----185	sd/shale	4900-----4910
sand	185-----200	sand/benson	4910-----4920
rr/shale	200-----231	sd/shale	4920-----5048
sd/shale	231-----1170 wet 258		
sd/shale	1170-----1210		
sand	1210-----1250		
sd/shale	1250-----1280		
sand	1280-----1325		
sd/shale	1325-----1385		
sand	1385-----1452		
sd/shale	1452-----1754		
L. Lime	1754-----1772		
sd/shale	1772-----1792		
B. lime	1792-----1887		
Injun	1887-----1982		
sd/shale	1982-----2490		
sand	2490-----2515		

RECEIVED
JAN 24 1950

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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

- 1) Well Operator: Anvil Oil Co. Inc. 2275, 1, C670
- 2) Operator's Well Number: Griffin #1 3) Elevation: 1042
- 4) Well type: (a) Oil / or Gas XXX /
(b) If Gas: Production XXX / Undergrnd Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 5100 feet
- 7) Approximate fresh water strata depths: 75, 302', 902', 170'
- 8) Approximate salt water depths: 1800 1729'
- 9) Approximate coal seam depths: none
- 10) Does land contain coal seams tributary to active mine? Yes / No XXX /
- 11) Proposed Well Work: Drill and stimulate
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water						38CSR18-11.3
Coal	8 5/8		20	1150	1145	to surface
Intermediate						38CSR18-11.1
Production	4 1/2		10.5	5100	5075	300 sks
Tubing						
Liners						

RECEIVED
JUL 05 1988

PACKERS : Kind _____
Sizes _____
Depths set _____
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

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

RECEIVED
JUL 05 1988

Page 1 of
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: June 20, 1988
2) Operator's well number
Griffin #1
3) API Well No: 47 - 095 - 1250
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 Edith Griffin
Address Rt. 2 Box 170
Pennsboro, WV 26415
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____

6) Inspector Bob Lowther
Address General Delivery
Middlebourne WV
Telephone (304)- 758-4764

(c) Coal Lessee with Declaration
Name _____
Address _____

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

X 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 Appl Oil Co. Inc.
By: [Signature]
Its: President
Address P.O. Box 1230
Fairmont WV 26554
Telephone 363-1362

Subscribed and sworn before me this 28th day of June, 19 88

[Signature] Notary Public
My commission expires 9-24-90