

9/14/87

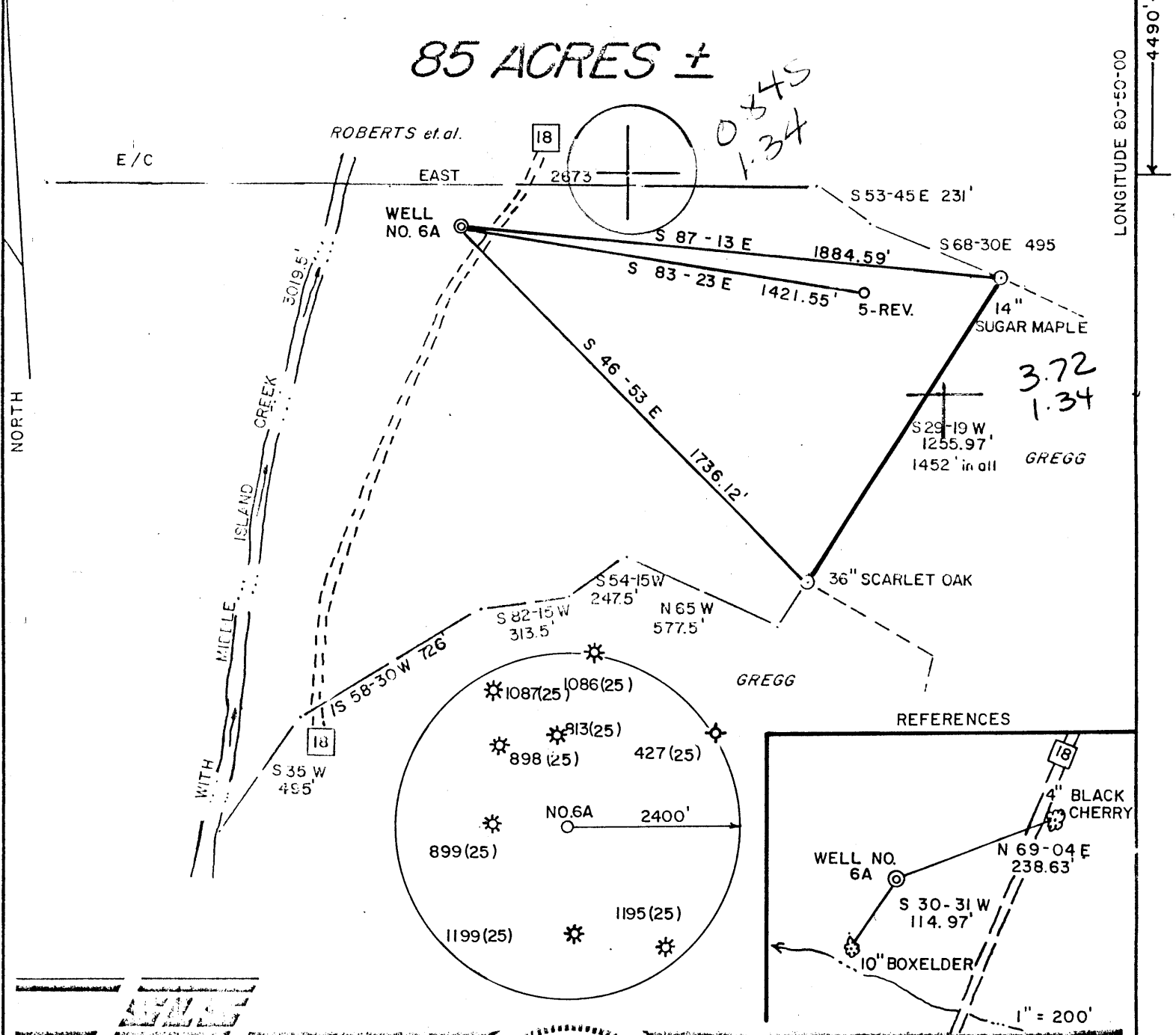
7080'

LATITUDE 39-22-30

GREGG LEASE

WELL NO. 6A

85 ACRES ±

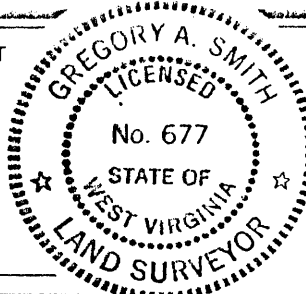


LONGITUDE 80-50-00

NORTH

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. 677 Gregory A. Smith



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

DATE SEPTEMBER 10, 19 87

OPERATORS WELL NO. GREGG NO. 6A

API WELL NO. 47 - 095 - 1210

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1702 (21-37)

PROVEN SOURCE OF ELEVATION BM. ELEV. = 745' SCALE 1" = 500'

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 743' WATERSHED MIDDLE ISLAND CREEK

DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE WEST UNION 7.5' 671

SURFACE OWNER DAVID C. GREGG et.al. ACREAGE 85 133

ROYALTY OWNER MILDRED GREGG LEASE ACREAGE 85 05

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 530' **SEP 21 1987**

WELL OPERATOR ANVIL OIL CO., INC. DESIGNATED AGENT JUSTIN HENDERSON

ADDRESS P.O. BOX 2500 CLARKSBURG, WV 26301 ADDRESS P.O. BOX 2566 CLARKSBURG, WV 26301

COUNTY NAME PERMIT

048 Stanley (92)



IV-35
(Rev 8-81)

Date 9-28-87
Operator's Well No. Gregg #6
Farm _____
API No 47 -095 -1210

State of West Virginia
Department of Mines
Oil and Gas Division

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

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

LOCATION: Elevation: 746 Watershed Middle Island Creek
District: Centerville County Tyler Quadrangle West Union

COMPANY Anvil Oil Co. Inc.
ADDRESS P.O. box 2566 Clarksburg WV
DESIGNATED AGENT Justin Henderson
ADDRESS P.O. Box 2566 Clarksburg WV
SURFACE OWNER David Gregg
ADDRESS New Martinsville WV
MINERAL RIGHTS OWNER David Gregg
ADDRESS as above
OIL AND GAS INSPECTOR FOR THIS WORK Bob Lowther
ADDRESS Middlebourne WV
PERMIT ISSUED 9-14-87
DRILLING COMMENCED 9-13-87
DRILLING COMPLETED 9-18-87
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"			
9 5/8			
8 5/8	873	873	cts
7			
5 1/2			
4 1/2	4892	4796	as required
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 4750 feet
Depth of completed well 4892 feet Rotary XXX / Cable Tools _____
Water strata depth: Fresh 70 feet; Salt _____ feet
Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Benson Pay zone depth 4650 feet
Gas: Initial open flow small Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 1.6 Mcf/d Oil: Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1950 psig (surface measurement) after 36 hours shut in
(If applicable due to multiple completion--)
Second producing formation Riley Pay zone depth _____ feet
Gas: Initial open flow as above Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow as above 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

1600 Mcf
POF for
well

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforate Benson 4643-4648 14 holes, frac with 100 sks 80-100 300 sks 20/40
475 bbls treated fluid, 95,000 scf N2, avg rate 14.8 avg psi 1996

Perforate Riley 4223-4271 with 14 holes, frac with 100 sks 80/100, 300 sks 20/40
468 bbls treated fluid, 96,000 scf N2, avg rate 17.5 avg psi 2002

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fre and salt water, coal, oil and g
Dirt			0	28	
sd/sh			28	1587	wet 70'
lime			1587	1657	
sd			1657	1660	
sd/sh			1660	2900	← E Log Tops
sd			2900	2930	Big Lime 1584
sh			2930	4892	Injun 1664
TD					Berea 2149
					← Benson 4679

RECEIVED
DEC 08 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

Anvil Oil Co. Inc.
Well Operator

By: Justin L. Henderson
Date: 9-28-87

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 coal, encountered in the drilling of a well."



1) Date: Sept 3, 19 87
 2) Operator's Well No. Gregg #6
 3) API Well No. 47 095 1210
 State County Permit

RECEIVED
 SEP 14 1987

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

- 4) WELL TYPE: A Oil / Gas XXX /
 B (If "Gas", Production XXX / Underground storage / Deep / Shallow XXX /)
- 5) LOCATION: Elevation: 746 Watershed: Middle Island Creek
 District: Centerville / County: Tyler 095 Quadrangle: West Union 670
- 6) WELL OPERATOR Anvil Oil Co Inc CODE: 2275 7) DESIGNATED AGENT Justin Henderson
 Address P.O. Box 2566 Address P.O. Box 2566
Clarksburg WV Clarksburg WV
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Bob Lowther Name Coastal Corp
 Address General Delivery Address Parkersburg WV
Middlebourne WV
- 10) PROPOSED WELL WORK: Drill XXX / Drill deeper / Redrill / Stimulate XXX /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Benson
 12) Estimated depth of completed well, 4900 feet
 13) Approximate strata depths: Fresh, feet; salt, feet.
 14) Approximate coal seam depths: 0 Is coal being mined in the area? Yes / No XXX /

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	11 3/4			XX			300	cts by <u>38 CSR 18-11.2</u>	
Fresh water									
Coal									Sizes
Intermediate	8 5/8			XX			1300	cts by <u>38 CSR 18-11.3</u>	
Production	4 1/2			XX			4900	rule <u>38 CSR 18-11.1</u>	
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1210 Date September 14 19 87

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 September 14, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Fee: <u>230</u> <u>2296</u>	Other: <input checked="" type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.

John H. Shumbe
 Director, Division of Oil and Gas File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.