

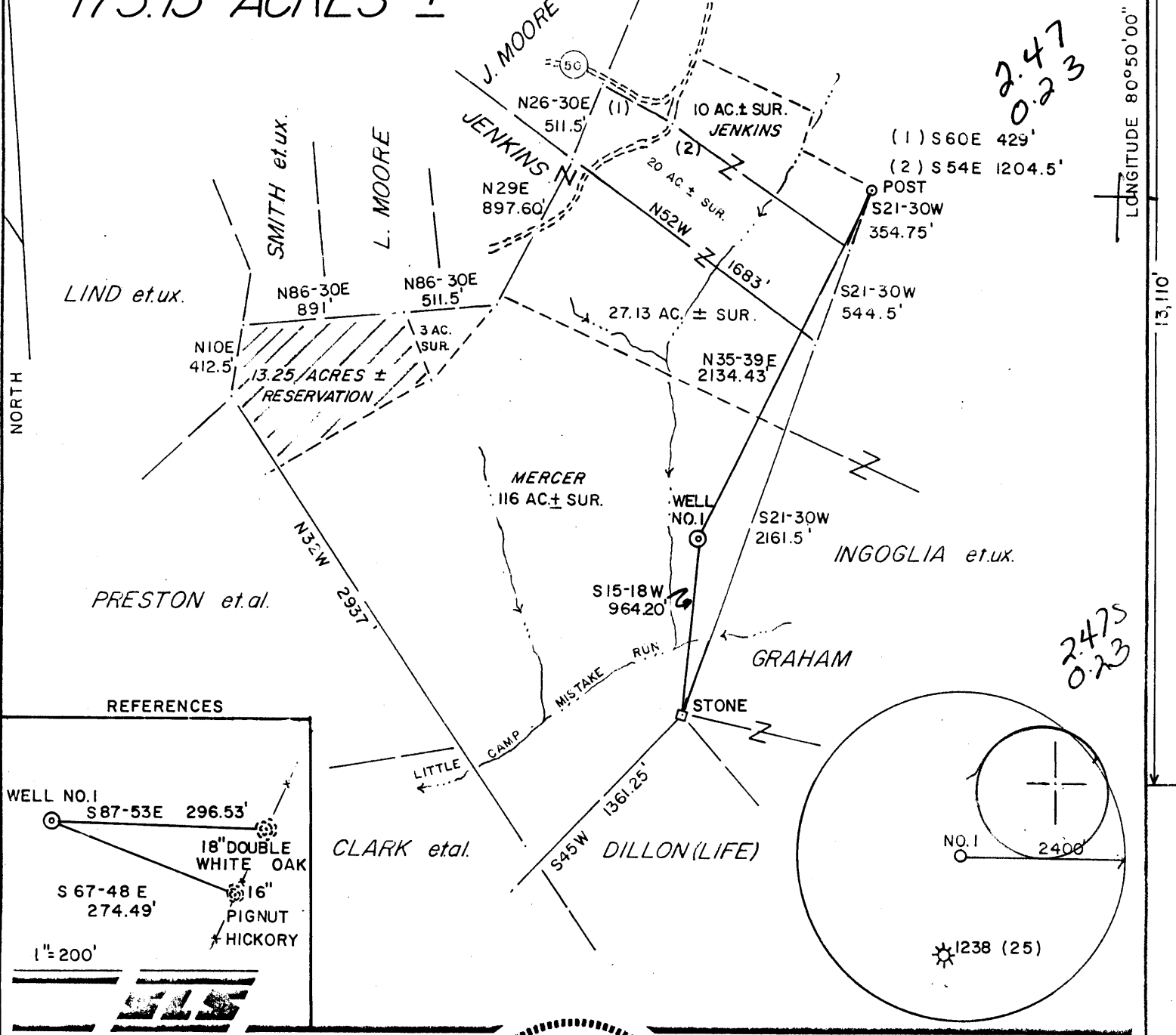
Janice 11/28/88

LATITUDE 39°25'00"

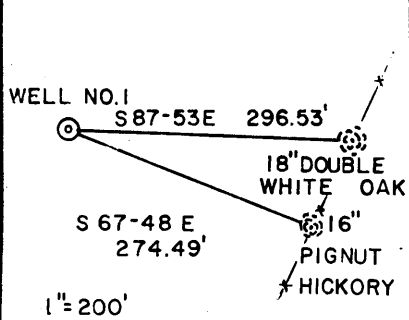
MERCER LEASE

WELL NO. 1

173.13 ACRES ±



REFERENCES

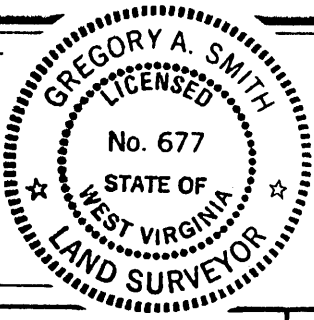


1" = 200'



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 OCTOBER 27, 19 88

OPERATORS WELL NO. MERCER NO. 1

API WELL NO. 47 - 095 - 1269
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1878(24-62)(26-3,4,5)
PROVEN SOURCE OF ELEVATION B. M. ELEV. 734' SCALE 1" = 800'

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 850' WATERSHED LITTLE CAMP MISTAKE RUN OF MIDDLE ISLAND CREEK
DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE SHIRLEY 7.5

SURFACE OWNER LAWRENCE MERCER ACREAGE 116 WestUnion C 5
ROYALTY OWNER LAWRENCE MERCER LEASE ACREAGE 173.13 OF 242

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 5100'

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 Wilbur (092)

LONGITUDE 80°50'00"

011.31

2.475
0.23

COUNTY NAME PERMIT

RECEIVED
SEP 25 1989

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Revised record

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Well Operator's Report of Well Work

Form name: MERCER, LAWRENCE

Operator Well No.: MERCER 1

LOCATION: Elevation: 850.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER
Latitude: 13110 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 1280 Feet West of 80 Deg. 50 Min. 0 Sec.

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

Agent: JUSTIN L. HENDERSON

Inspector: BREN P. ROBINSON

Permit Issued: 11/29/88

Well work Commenced: 12/8/88

Well work Completed: 12/14/88

Verbal Plugging

Permission granted on:

Rotary Cable Ris

Total Depth (feet) 5007

Fresh water depths (ft) 397

Salt water depths (ft) 1655

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

Coal Depths (ft):

Casings & Tubing Size	Used in Drilling	Left in Well	Cement Fill (Cu. Ft.)
11-3/4	12395	12395	60 sks
8-5/8	97880	97880	200 sks
4-1/2	4861	4861	220 sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4788-4794

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

Final open flow 1.3mm MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 Hours

Static rock Pressure 1650# psig (surface pressure) after 48 Hours

Second producing formation Riley Pay zone depth (ft) 4430-4381

Gas: Initial open flow small 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 _____ psig (surface pressure) after 48 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: ANVIL OIL CO., INC.

By:

Date: 1-15-89

Well treated as follows:

Benson perforated from 4788-4794 with 14 holes. Fracked with 350 sks
sand, bbls treated fluid, avg, rate bpm, psi

Riley perforated from 4130-4381 with 14 holes. Fracked with 350 sks
sand, bbls treated fluid, avg, rate bbls pm, Avg psi

Electric log tops

Big Lime-----1717

Berea-----2288

Riley-----4290

Benson-----4798

shale	0----	15
coal	15----	18
rr/sh	18----	30
sh/rr	30----	49
shale	49----	133
shale	133----	165
rr	165----	180
sd/sh	180----	197
rr	197----	227
coal	227----	230
rr/shale	230----	322
coal	322----	325
sand	325----	436
rr/shale	436----	1049
sd/shale	1049----	1717
Big Lime	1717----	1813
sd/sh	1813----	5007

hole wet 397

hole wet 1655 (salt)

RECEIVED
SEP 25 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

8027

RECEIVED
SEP 25 1989

API # 47- 95-01269

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Well Operator's Report of Well Work

Form name: MERCER, LAWRENCE

Operator Well No.: MERCER 1

LOCATION: Elevation: 850.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER
Latitude: 13110 Feet South of 39 Des. 25Min. 0 Sec.
Longitude 1280 Feet West of 80 Des. 50 Min. 0 Sec.

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

Asent: JUSTIN L. HENDERSON

Inspector: GLEN P. ROBINSON
Permit Issued: 11/29/88
Well work Commenced: 12/8/88
Well work Completed: 12/14/88

Verbal Plugging
Permission granted on:
Rotary Cable Ris
Total Depth (feet) 5007
Fresh water depths (ft) 397
Salt water depths (ft) 1655

Casings & Tubins Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
11-3/4	12395	12395	60 sks
8-5/8	97880	97880	200 sks
4-1/2	4861	4861	220 sks

Is coal being mined in area (Y/N)?
Coal Depths (ft):

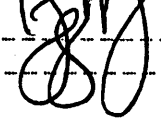
OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4788-4794
Gas: Initial open flow small 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 _____ psig (surface pressure) after 48 Hours

Second producing formation Riley Pay zone depth (ft) 4130-4381
Gas: Initial open flow small 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 _____ psig (surface pressure) after 48 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: ANVIL OIL CO., INC.

By: 
Date: 1-15-89

SEP 29 1989

Well treated as follows:

Benson perforated from 4788-4794 with 14 holes. Fracked with 350 sks
sand, bbls treated fluid, avg, rate bpm, psi

Riley perforated from 4130-4381 with 14 holes. Fracked with 350 sks
sand, bbls treated fluid, avg, rate bbls pm, Avg psi

Electric log tops

Big Lime-----1717

Berea-----

Riley-----

Benson-----

shale	0----	15	
coal	15----	18	
rr/sh	18----	30	
sh/rr	30----	49	
shale	49----	133	
shale	133----	165	
rr	165----	180	
sd/sh	180----	197	
rr	197----	227	
coal	227----	230	
rr/shale	230----	322	
coal	322----	325	hole wet 397
sand	325----	436	
rr/shale	436----	1049	
sd/shale	1049----	1717	hole wet 1655 (salt)
Big Lime	1717----	1813	

RECEIVED
SEP 25 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

RECEIVED
NOV 23 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

- 1) Date: _____
- 2) Operator's well number
 Mercer #1
- 3) API Well No: 47 - 095 - 1269
 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 Lawrence Mercer
Address 15777 Highland Rd.
 Easy Liverpool Ohio 43920
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector Glenn Robinson
Address _____
Telephone (304)- 489-9162

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

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 Anvil Oil Co. Inc.
 By: Jerry Poling
 Its: Vice President
 Address 2099 Pleasant Valley Road
Fairmont WV 26554
 Telephone 304-363-1362

Subscribed and sworn before me this 21st day of November, 1988

[Signature] Notary Public
 My commission expires 7/8/90