

8/11/88

25

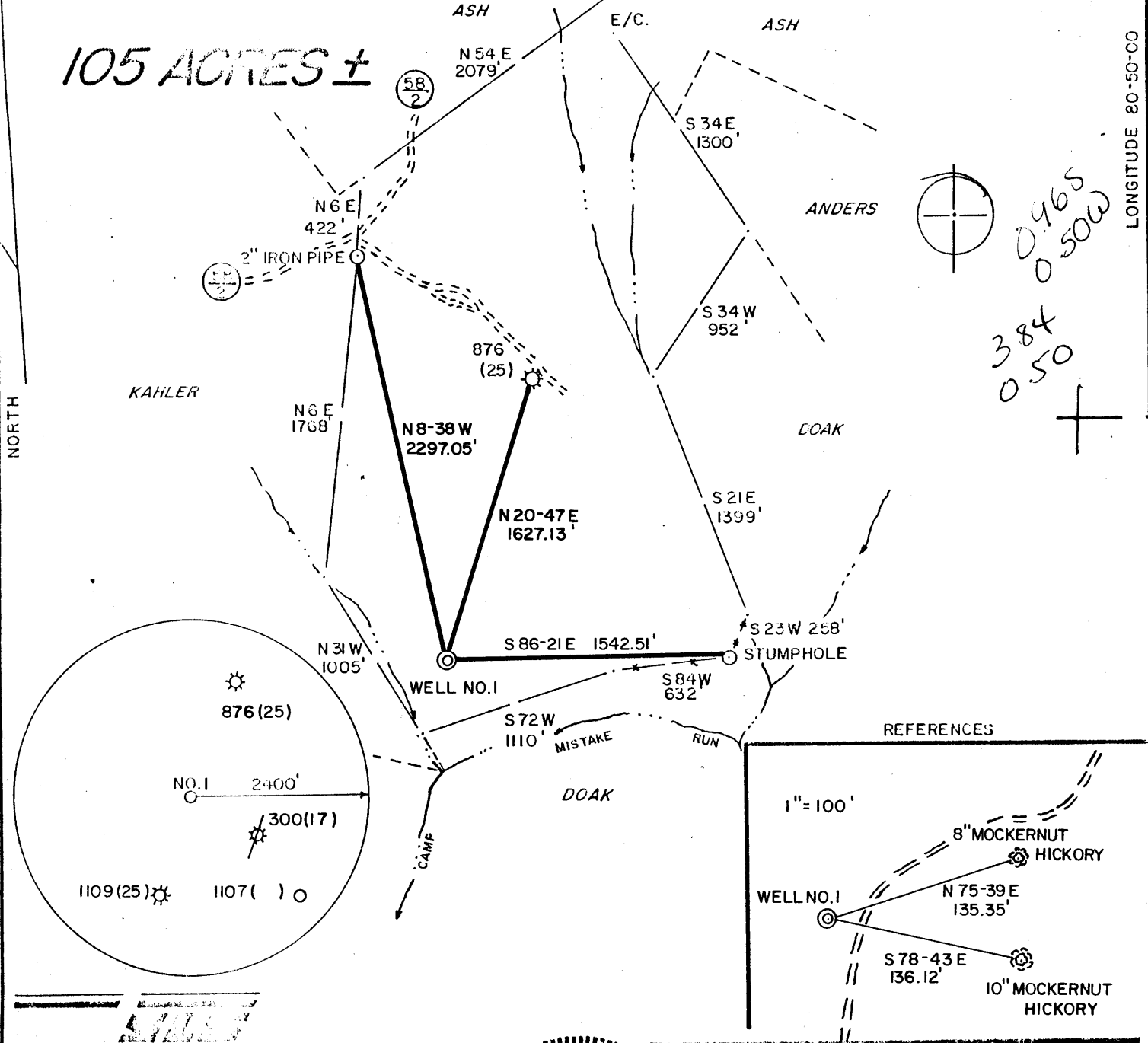
2630'

LATITUDE 39-22-30

DILLON LEASE

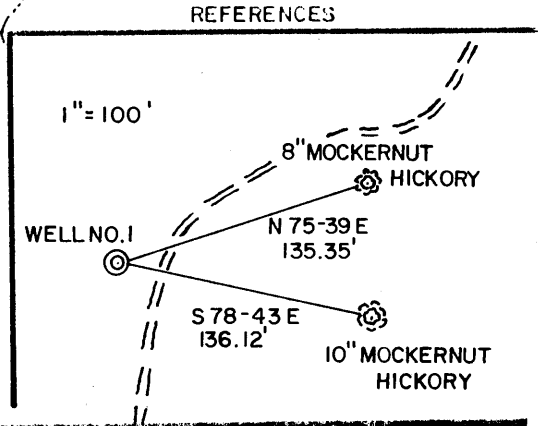
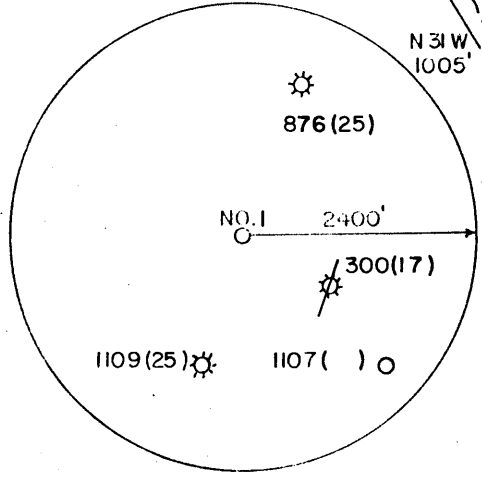
WELL NO. 1

105 ACRES ±

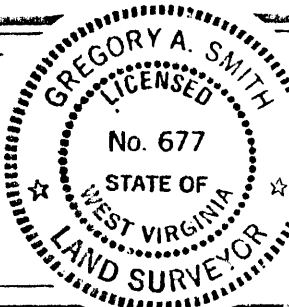


LONGITUDE 80-50-00

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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE AUGUST 21, 19 87
 OPERATORS WELL NO. DILLON NO. 1
 API WELL NO. 47 - 095 - 1224
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1712 (22-44)
 SCALE 1" = 800'
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 996'

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 863' WATERSHED CAMP MISTAKE RUN TEMPERATURE 45°C
 DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE WEST UNION 7.5' 671
 SURFACE OWNER Ronald & Reva Rowland ACREAGE 105 133
 ROYALTY OWNER JACOB Dillon heirs & Ronald & Reva Rowland LEASE ACREAGE 105 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 5400' 11 1988

WELL OPERATOR ANVIL OIL CO., INC. DESIGNATED AGENT JUSTIN HENDERSON
 ADDRESS P.O. BOX 2566 CLARKSBURG, WV 26301 ADDRESS P.O. BOX 2566 CLARKSBURG, WV 26301

COUNTY NAME PERMIT

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State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date 2-8-85
Operator's
Well No. 1
Farm Dillon
API No. 47 - 095 - 1224

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: 863 Watershed Camp Mistake Run
District: Centerville County Tyler Quadrangle West Union

COMPANY Anvil Oil Co. Inc.
ADDRESS 2099 Pleasant Valley Rd. Fairmont WV
DESIGNATED AGENT Justin Henderson
ADDRESS As above
SURFACE OWNER Ronald Rowland
ADDRESS G.D. Wilbur WV
MINERAL RIGHTS OWNER As above
ADDRESS As above
OIL AND GAS INSPECTOR FOR THIS WORK
Bpb Lowther ADDRESS G.D. Middlebourne WV
PERMIT ISSUED 1-8-88
DRILLING COMMENCED
DRILLING COMPLETED 1-21-88
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 | 1015 | 1015 | 120 sks |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | 4848 | 4848 | 180 sks |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Benson Depth 5000 feet
Depth of completed well 5010 feet Rotary_{XXX} / Cable Tools
Water strata depth: Fresh 128 feet; Salt 1325 feet
Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Benson Pay zone depth 4792-96 feet
Gas: Initial open flow small Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 581 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 1250 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)
Second producing formation Riley Pay zone depth 4362-4409 feet
Gas: Initial open flow as above Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow as above Mcf/d Oil: Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure as above psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

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

Perforate Benson 4792-96 with 14 holes frac with 35,000# 20/40 and 471 bbls sand laden fluid 79,750 scf N2

Perforate Riley 4362-4409 with 14 holes frac with 18,000# 20/40 and 283 bbls sand laden fluid 51,550 sac N2

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|-----------|-------|--------------|----------|-------------|--|
| shale | | | 0 | 40 | |
| sd/sh | | | 40 | 1140 | water 125 280 |
| sand | | | 1140 | 1680 | |
| sh | | | 1140 | 1732 | |
| lime | | | 1732 | 1910 | |
| sd | | | 1910 | 1950 | gas smell |
| sh | | | 1950 | 2110 | |
| sd | | | 2110 | 2130 | |
| sh/sd/sh | | | 2130 | 5010 | |
| TD | | | | <u>5010</u> | E Log Tops ✓ |
| | | | | | Big Lime 1786 Weir 2090 Berea 2288 Benson 4786 |

(Attach separate sheets as necessary)

Anvil Oil Co. Inc.
Well Operator

By: _____

Date: 2-8-88

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

(Obverse)
7/85
RECEIVED
JAN 06 1988



1) Date: Aug. 20, 1987
 2) Operator's Well No. Dillon #1
 3) API Well No. 47 095 1224
 State County Permit

STATE OF WEST VIRGINIA

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 DEPARTMENT OF ENERGY APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil XXX / Gas XXX
 B (If "Gas", Production XXX / Underground storage XXX / Deep XXX / Shallow XXX)
- 5) LOCATION: Elevation: 863 / Watershed: Camp Mistake Run
 District: Centerville 1 / County: Tyler 095 / Quadrangle: West Union 070
- 6) WELL OPERATOR Anvil Oil Co. CODE: 2275 7) DESIGNATED AGENT Justin Henderson
 Address P.O. Box 2566 0048 / Clarksburg WV Address P.O. Box 2566 / Clarksburg WV
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Bob Lowther
 Address General Delivery / Middlebourne WV
- 9) DRILLING CONTRACTOR: Name Coastal Corp.
 Address Parkersburg WV
- 10) PROPOSED WELL WORK: Drill XXX / Drill deeper XXX / Redrill XXX / Stimulate XXX
 Plug off old formation XXX / Perforate new formation XXX
 Other physical change in well (specify) XXX
- 11) GEOLOGICAL TARGET FORMATION, Benson 435
- 12) Estimated depth of completed well, 5000 feet
- 13) Approximate trata depths: Fresh, 105 feet; salt, 1100-1400 feet.
- 14) Approximate coal seam depths: XXX Is coal being mined in the area? Yes XXX / No XXX
- 15) CASING AND TUBING PROGRAM APRIL Tyler 300, \$ 7195

| 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 | | | X | | 200 | 200 | etc | Kinds <u>38 CSR 18 11.3</u> |
| Fresh water | | | | | | | | | |
| Coal | | | | | | | | | Depths set <u>38 CSR 18 11.1</u> |
| Intermediate | 8 5/8 | | | X | | | 1075 | etc | |
| Production | 4 1/2 | | | X | | | 4950 | rule 45.01 | |
| Tubing | | | | | | | | | Perforations: Top Bottom |
| Liners | | | | | | | | | |

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1224

January 8 19 88
 Date

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 January 8, 1990 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | | | | |
|--------------------|--------------------|--------------------|--------------------|-------------|--------------------|--------------------|--------|
| Bond: | Agent: | Plat: | Casing: | Fee: | WCP: | SAE: | Other: |
| <u>[Signature]</u> | <u>[Signature]</u> | <u>[Signature]</u> | <u>[Signature]</u> | <u>1</u> | <u>[Signature]</u> | <u>[Signature]</u> | |
| | | | | <u>2341</u> | | | |

NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

File