

FILE COPY
RECEIVED
JUL 30 1985



1) Date: 7-17, 1985
2) Operator's Well No. Campbell #1
3) API Well No. 47 -033- 3237
State County Permit

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

- 4) WELL TYPE: A Oil / Gas
B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1370' Watershed: Stuttler's Fork
District: Union County: Harrison Quadrangle: Big Isaac 7.5' 25 2
- 6) WELL OPERATOR Anvil Oil Co., Inc. 7) DESIGNATED AGENT Justin L. Henderson
Address P.O. Box 2566 Address 253 Carr Ave.
Clarksburg, W.Va. 26301 22 75 Clarksburg, W.Va. 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
Name Stephen Casey Name Coastal Corporation
Address Rt. 2, Box 232-D Address 3501 Emerson Ave.
Jane Lew, W.Va. 26378 Parkersburg, W.Va. 26102
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Alexander
- 12) Estimated depth of completed well, 5500' feet
- 13) Approximate trata depths: Fresh, 195/400 feet; salt, n/a feet.
- 14) Approximate coal seam depths: 540/600 Is coal being mined in the area? Yes / No

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					30	30		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8		20	X		720	720	175sks	CTS by rule 15.05 on as required by rule 15.01
Production	4 1/2		10.5	X		5400	5400	350sks	
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-3237

August 8 19 85
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 August 8, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>C</u>	Agent: <u>AB</u>	Plat: <u>MH MH</u>	Casing	Fee
				<u>1886</u>

[Signature]
Administrator, Office of Oil and Gas
DIRECTOR, DIVISION

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

File



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JUL 30 1987

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) Well ID: _____

2) LOCATION: Division: _____ Location: _____

3) WELL OPERATOR: Name: _____ Address: _____

4) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: _____ Address: _____

5) PROPOSED WELL WORK: Drill: Drill deeper Plug off old formation Partially new formation Other physical change in well (specify): _____

6) GEOLOGICAL TARGET FORMATION: _____

7) APPROXIMATE DATE OF PRODUCTION: _____

8) APPROXIMATE COAL SEAM DEPTHS: _____

9) CASING AND TUBING PROGRAM: _____

Casing or Tubing Type	Size	Depth	Weight per ft.	Specification		Footage Interval	Center of Gravity	Remarks
				Grade	Class			
Conductor	21 1/2"	30'	30					
Intermediate	16"	150'	150					
Production	10 3/4"	500'	500					

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

Date Date(s)

Application received Follow-up inspection(s)

Well work started "

Completion of the drilling process "

Well Record received "

Reclamation completed "

OTHER INSPECTIONS

Reason: _____

Reason: _____

Reason	Class	Depth	Weight	Remarks

SURFACE OWNER'S COPY



1) Date: 7-17, 19 85
 2) Operator's Well No. Campbell #1
 3) API Well No. 47 -033- State County Permit

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

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Clarksburg, W.Va. 26301 Clarksburg, W.Va. 26301
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Jane Lew, W.Va. 26378 Clarksburg, W.Va. 26302
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 Other physical change in well (specify)
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 14) Approximate coal seam depths: 540/600 Is coal being mined in the area? Yes / No

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	<u>11 3/4</u>					<u>30</u>	<u>30</u>			Kinds
Fresh water										Sizes
Coal										Depths set
Intermediate	<u>8 5/8</u>		<u>20</u>	<input checked="" type="checkbox"/>		<u>720</u>	<u>720</u>	<u>175sks</u>		
Production	<u>4 1/2</u>		<u>10.5</u>	<input checked="" type="checkbox"/>		<u>5400</u>	<u>5400</u>	<u>350sks</u>		
Tubing										Perforations:
Liners										Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.
 I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)
 NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)
Edna M. Vay Date: 7-18-85
 (Signature)
Virginia L. M. Vay Date: 7-18-85
 (Signature)

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

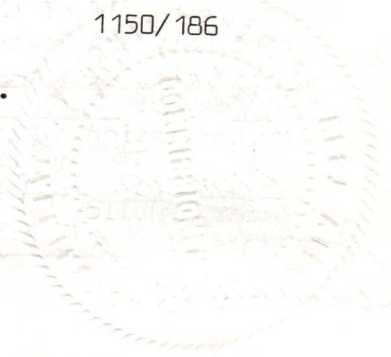
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
Telluric Corporation	Manna Oil & Gas	1/8	1149/362
Mildred Posey	" " " " "	1/8	1149/160
Pennzoil Company	" " " " "	1/8	1150/186

Assigned by Manna to its Affiliate, Anvil Oil Co., Inc.



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

1) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Ed McVay & Virginia McVay
 Address Rt 2, Jane Lew 26378
 (ii) Name _____
 Address n/a
 (iii) Name _____
 Address n/a

5(i) COAL OPERATOR none
 Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name _____
 Address none

Name _____
 Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____
 Address none

TO THE PERSON(S) NAMED ABOVE: You should have received this form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-1 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program);
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

Check and provide one of the followings:

- Included in the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes (o)

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Justin W. Henderson,
 this 18 day of July, 1985.
 My commission expires 7/18, 1990.

James E. Robertson
 Notary Public, _____ County,
 State of West Virginia

COMMISSIONER

WELL

OPERATOR Anvil Oil Company, Inc.

By [Signature]
 Its President
 Address P.O. Box 2566
Clarksburg, W. Va. 26301
 Telephone 304-622-6183

RECEIVED
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 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

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SITE REGISTRATION APPLICATION FORM
STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL AND GAS
DRILLING PIT WASTE DISCHARGE
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1. Company Name Anvil Oil Co., Inc.
2. Mailing Address P.O. Box 2566 Clarksburg, W.Va. 26301
3. Telephone 304-622-6183 street city state zip
4. Well Name Campbell #1
5. Latitude 39-12-30 Longitude 80-30-00
6. NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. 47-033-3237
8. County Harrison 9. Nearest Town Big Issac
10. Nearest Stream Sutler's Fork 11. Tributary of Isaac's Creek
12. Will Discharge be Contracted Out? yes no
13. If Yes, Proposed Contractor The Coastal Corporation
Address 3401 Emerson Ave., Suite 4B, Parkersburg, W.Va. 26102
Telephone 304-428-3471
14. Proposed Disposal Method: UIC Land application
Off Site Disposal Reuse Centralized Treatment
Thermal Evaporation Other
15. Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements of W. Va. Code S22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or findings of fact inuring to or for the benefit of persons other than the State of West Virginia.

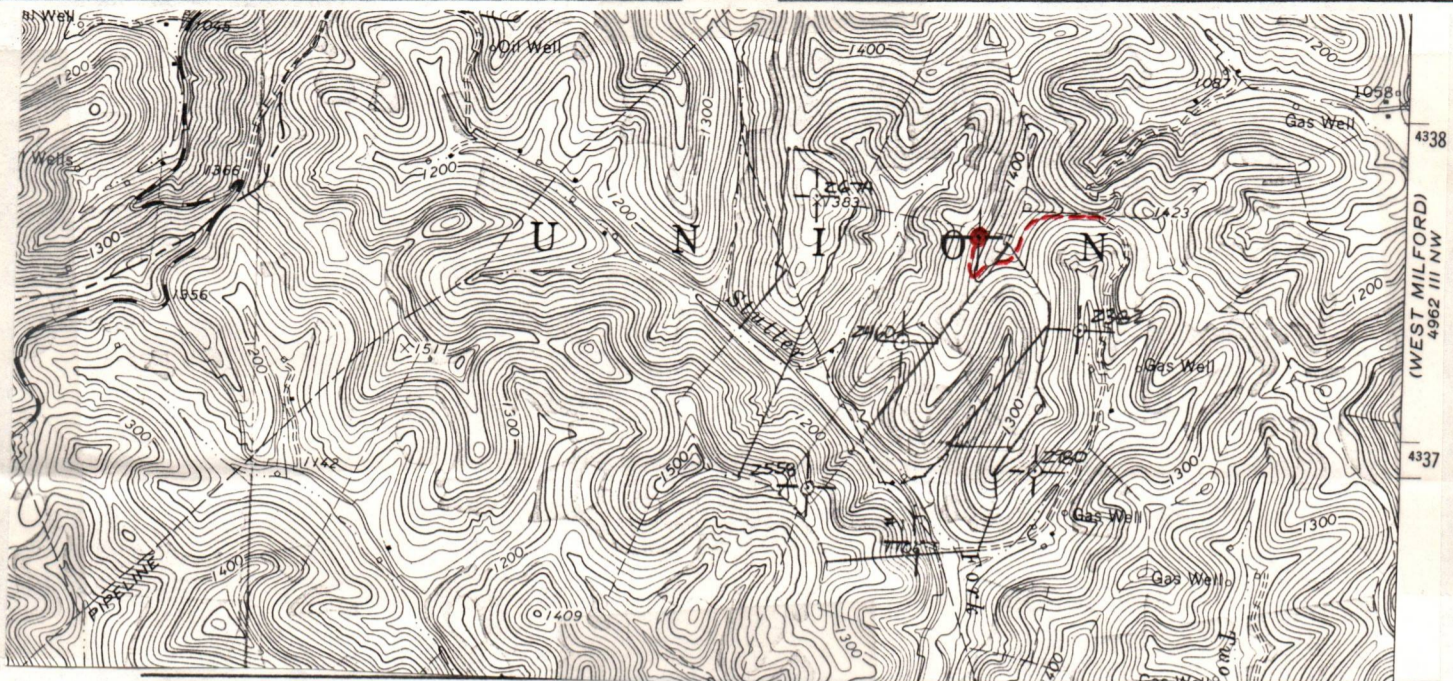
ATTACH OR PHOTOCOPY SECTION
OF INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE BIG ISAAC 7.5'

LEGEND

WELL SITE

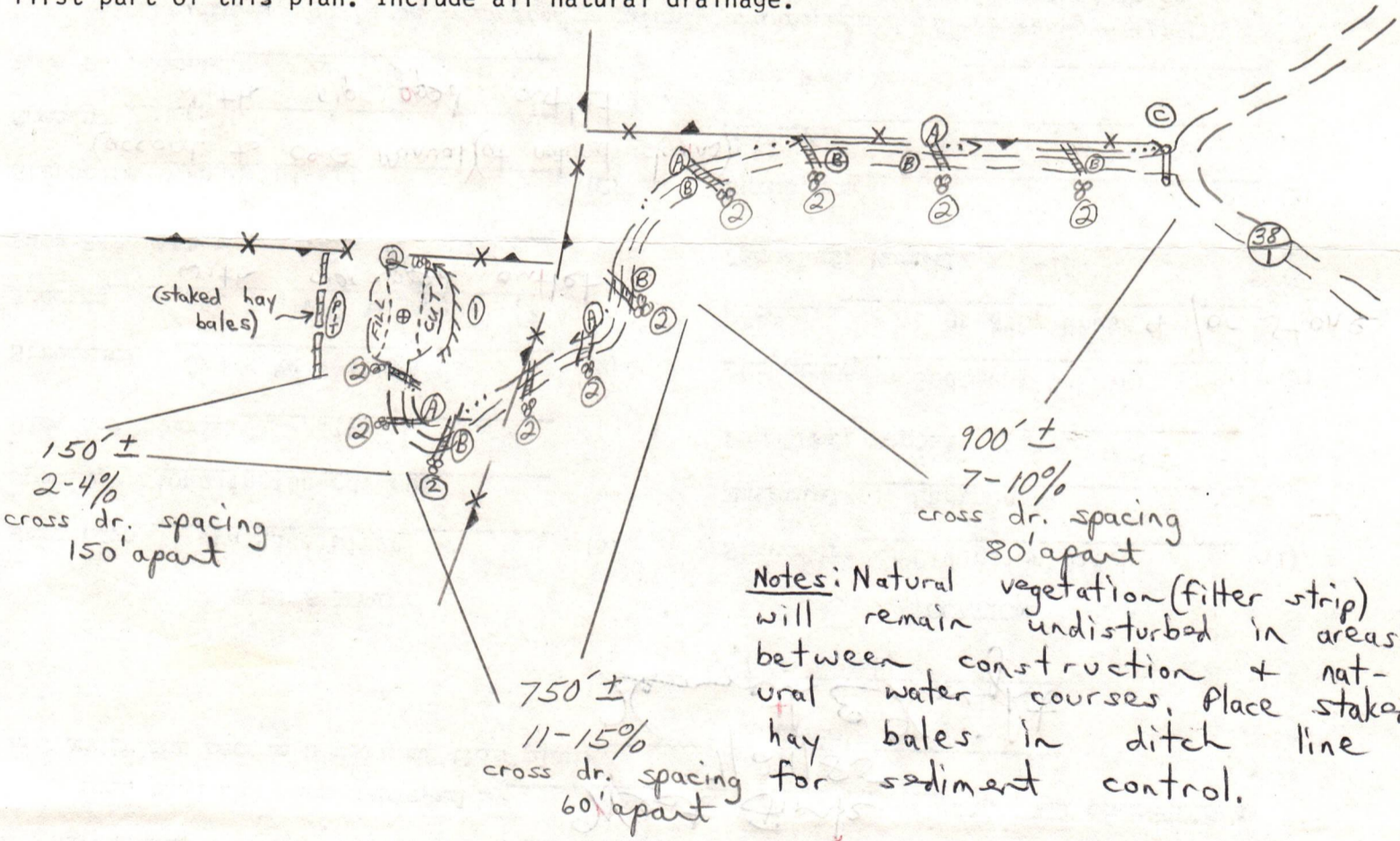


ACCESS ROAD



WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well-site, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.



Access road subject to change between company and land owner, or aquirement of right-of-way. If change is made , a revised reclamation plan will be submitted. All cuts 2:1 slope. All topsoil to be stockpiled and used in reclamation. All grades for roads and locations as well as sediment structures shown on drawing.

LEGEND

- DRAIN PIPE — ○ —> ○ —>
- ROAD ————
- DIVERSION ————
- WATERWAY ————
- STREAM ————
- OPEN DITCH ————

- PROPERTY BOUNDARY ————
- EXISTING FENCE — x — x — x
- PLANNED FENCE — / — / — /
- BUILDING ■
- WET SPOT ⊙
- SPRING ⊙ —>

SLS
SMITH LAND SURVEYING CO.
111 SOUTH ST.
GLENVILLE, WV. 26351

DATE July 22, 1985

WELL NO. Campbell No. 1

API NO. 47 - 033 - 3237

State of West Virginia

Department of Mines
Oil and Gas Division



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IV-9 (Rev 8-81)

DEPARTMENT OF ENERGY
DIVISION OF OIL & GAS

Rec'd (WVSGD)

JUL 25 1985

CONSTRUCTION AND RECLAMATION PLAN

DESIGNATED AGENT Buzz Henderson
Address P.O. Box 2566, Clarksburg, WV 26301
Telephone 622-6183
SOIL CONS. DISTRICT West Fork
Anvill Oil Co., Inc. (Agent)

COMPANY NAME Anvill Oil Co., Inc.
Address P.O. Box 2566, Clarksburg, WV 26301
Telephone 622-6183
LANDOWNER Joseph M. Campbell et al.

Revegetation to be carried out by

This plan has been reviewed by West Fork SCD. All corrections

and additions become a part of this plan:

7/29/85 (Date)
Kenneth E. Knight (SCD Agent)

ACCESS ROAD

(A) Structure Drainage Ditch
Spacing along inside rd. cuts
Page Ref. Manual 2-12

(1) Structure Diversion Ditch
Material Earthen
Page Ref. Manual 2-12

(B) Structure Cross Relief Drains
Spacing as per table 1 in manual (2-4)
with riprapped outlet
Page Ref. Manual 2-11

(2) Structure Sediment Barrier
Material Logs &/or Brush &/or Stone
Page Ref. Manual 2-16

(C) Structure Road Culvert
Spacing One 16" with riprapped outlet
Page Ref. Manual 2-7

(3) Structure
Material
Page Ref. Manual

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I & II
Lime according to pH test
Tons/acre 6.5
Fertilizer 600 lbs/acre
Mulch Hay 2 Tons/acre
Seed* KY-31 40 lbs/acre
Bedtop 5 lbs/acre

~~Lime or correct to pH
Tons/acre
Fertilizer (10-20-20 or equivalent)
lbs/acre
Mulch Tons/acre
Seed* lbs/acre
lbs/acre
lbs/acre~~

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY Smith Land Surveying Co.

ADDRESS 111 South Street
Glenville, WV 26351
PHONE NO. 462-5634

NOTES: Please request landowner cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.



ANVIL OIL CO., INC.

July 30, 1985

West Virginia Department of Mines
Oil & Gas Division
307 Jefferson Street
Charleston, W.Va. 25305

RECEIVED
JUL 30 1985
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

In Re: #1 Campbell Well

Gentlemen:

Please find enclosed with respect to the above referenced well the following:

- (i) Form IV-2(A)- Notice of Application for a Well Work Permit, original and four copies;
- (ii) Form IV-2(B)- Application for a Well Work Permit, white, pink, and yellow copies;
- (iii) Form IV-6, Well Plat, original and four copies;
- (iv) Form IV-9, Construction and Reclamation Plan, original and four copies;
- (v) Duly executed voluntary waiver by surface owner, Form IV-2(B), blue copy
- (vi) There is no coal underlying the subject property;
- (vii) Application for site registration of general permit for drilling pit waste discharge;
- (viii) Our check in the sum of \$400.00 in payment of the application fee.

Please contact the undersigned immediately if there shall be discovered any defect in any of the particulars of this application. We request that this applicatin be processed as expeditiously as possible.

Very Truly Yours,

Justin L. Henderson

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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Alexander: 5217-5303, 13 holes: foam frac using 195 bbls water, 10,000# 80/100 sand,
40,000# 20/40 sand, 150 gal acid

Benson: 4862-4898, 15 holes, foam frac using 218 bbls water, 10,000 # 80/100 sand,
50,000# 20/40 sand, 500 gal acid

Balltown, Riley: 3792-3826, 22 holes, foram frac using 195 bbls water, 10,000# 80/100 sand,
40,000 # 20/40 sand, 750 gal acid

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
clay	red	med	0	2	
sand	white	hard	2	20	
redrock	red	soft	20	25	
sand	white	hard	25	43	
shale & sand	grayly	hard	43	214	
coal	black	soft	214	217	
shale	gray	soft	217	245	
redrock	red	soft	245	255	
shale	gray	soft	255	260	
redrock	red	soft	260	269	
shale	gray	soft	269	276	
redrock	red	soft	276	302	
shale	gray	soft	302	430	
redrock	red	soft	430	440	
shale	gray	soft	440	523	
coal	black	soft	523	535	
shale	gray	soft	535	695	
redrock	red	soft	695	705	
shale & sand	gray	med	705	1926	
Little Lime	white	hard	1926	1976	
Big Lime	gray	hard	1976	2086	
Big Injun Sand	brown	med	2086	2143	
sand & shale	gray	med	2143	3240	
Speechley Sand	gray	med	3240	3540	smell
Balltown Sand	gray	med	3540	3830	
shale & sand	gray	soft	3830	4308	
First Riley sand	gray	med	4308	4340	
shale	gray	soft	4340	4860	
Benson sand	gray	med	4860	4904	smell
shale	gray	soft	4904	5060	
Leopold	gray	soft	5060	5070	
shale	gray	soft	5070	5210	
Alexander sand	gray	soft	5210	5305	6/10 "water
shale	gray	soft	5305	5490	
TD				5490	

(Attach separate sheets to complete as necessary)

Anvil Oil Co., Inc.
Well Operator

By

Its

[Signature]
Pres.

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."

FORM IV-35
(Obverse)

Operator's
Well No. #1 Campbell

[08-78]

WELL OPERATOR'S REPORT

API Well No. 47 - 033 3237
State County Permi

OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1370 Watershed: Stutler's Fork
District: Union County: Harrison Quadrangle: Big Issac 7.5'

WELL OPERATOR Anvil Oil Co., Inc. DESIGNATED AGENT Justin L. Henderson
Address P.O. Box 2566 Address 253 Carr Ave.
Clarksburg, W.Va. 26301 Clarksburg, W.Va. 26301

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____

RECEIVED
SEP 17 1985

PERMIT ISSUED ON 8/8/85, 19

OIL & GAS INSPECTOR FOR THIS DEPARTMENT OF OIL & GAS
DEPARTMENT OF ENERGY

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

Name Stephen Casey
Address Rt2, Box 232-D
Jane Lew, W.Va. 26378

GEOLOGICAL TARGET FORMATION: Alexander Depth 5303 feet
Depth of completed well, 5365 feet Rotary / Cable Tools
Water strata depth: Fresh, 0 feet; salt, 0 feet.
Coal seam depths: 214, 523 Is coal being mined in the area? no
Work was commenced 8-28-85, 19, and completed 9-1-85, 19

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	FATHERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11 3/4				s	30	0	0	Kinds
Fresh water									
Gal	8 5.8		20#	x		741	741	175 sks	Sizes
Intermediate									
Production	4 1/2		10.5#	x		5365	5365	320 sks	Depth set
Tubing									
Inners									Perforations:
									Top Bottom

OPEN FLOW DATA

Alex 5217-5303
Benson 4862-4898

Producing formation Alex, Benson, Balltown, Riley Pay zone depth Balltown & Riley

Gas: Initial open flow, 20 mcf/d Mcf/d Oil: Initial open flow, 3792 Bbl/d
Final open flow, 440 mcf* Mcf/d Final open flow, 3826 Bbl/d

Time of open flow between initial and final tests, four hours 4 pt choke test

Static rock pressure, 1610 psig (surface measurement) after 24 hours shut in

[If applicable due to multiple completion--]

Second producing formation _____ Pay zone depth _____

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, _____ psig (surface measurement) after _____ hours shut in

* calculated AOF by 4 pt. choke test.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. 33-3237

Oil or Gas Well _____
(KIND)

Company Anvil
 Address _____
 Farm Campbell
 Well No. 1
 District Union County Harr.
 Drilling commenced 8-27-85
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 100 feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT 214 FEET 36 INCHES
523 FEET 144 INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Coastal 1

Remarks: 8 5/8 741' 175 SX. BJ Hughes

8-29-85
DATE

Steve Casey
DISTRICT WELL INSPECTOR



RECEIVED
OCT 22 1985

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

COMPANY Amvil Oil

PERMIT NO 33-3237 (8-08-85)

FARM & WELL NO Campbell 1

DIST. & COUNTY Union Harv.

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.04	Prepared before Drilling to Prevent Waste	<input type="checkbox"/>	<input type="checkbox"/>
25.03	High-Pressure Drilling	<input type="checkbox"/>	<input type="checkbox"/>
16.01	Required Permits at Wellsite	<input type="checkbox"/>	<input type="checkbox"/>
15.03	Adequate Fresh Water Casing	<input type="checkbox"/>	<input type="checkbox"/>
15.02	Adequate Coal Casing	<input type="checkbox"/>	<input type="checkbox"/>
15.01	Adequate Production Casing	<input type="checkbox"/>	<input type="checkbox"/>
15.04	Adequate Cement Strenght	<input type="checkbox"/>	<input type="checkbox"/>
15.05	Cement Type	<input type="checkbox"/>	<input type="checkbox"/>
23.02	Maintained Access Roads	<input type="checkbox"/>	<input type="checkbox"/>
25.01	Necessary Equipment to Prevent Waste	<input type="checkbox"/>	<input type="checkbox"/>
23.04	Reclaimed Drilling Pits	<input type="checkbox"/>	<input type="checkbox"/>
23.05	No Surface or Underground Pollution	<input type="checkbox"/>	<input type="checkbox"/>
23.07	Requirements for Production & Gathering Pipelines	<input type="checkbox"/>	<input type="checkbox"/>
16.01	Well Records on Site	<input type="checkbox"/>	<input type="checkbox"/>
16.02	Well Records Filed	<input type="checkbox"/>	<input type="checkbox"/>
7.05	Identification Markings	<input type="checkbox"/>	<input type="checkbox"/>

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT/IT BE RELEASED:

SIGNED Steve Casey
DATE 10-17-85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

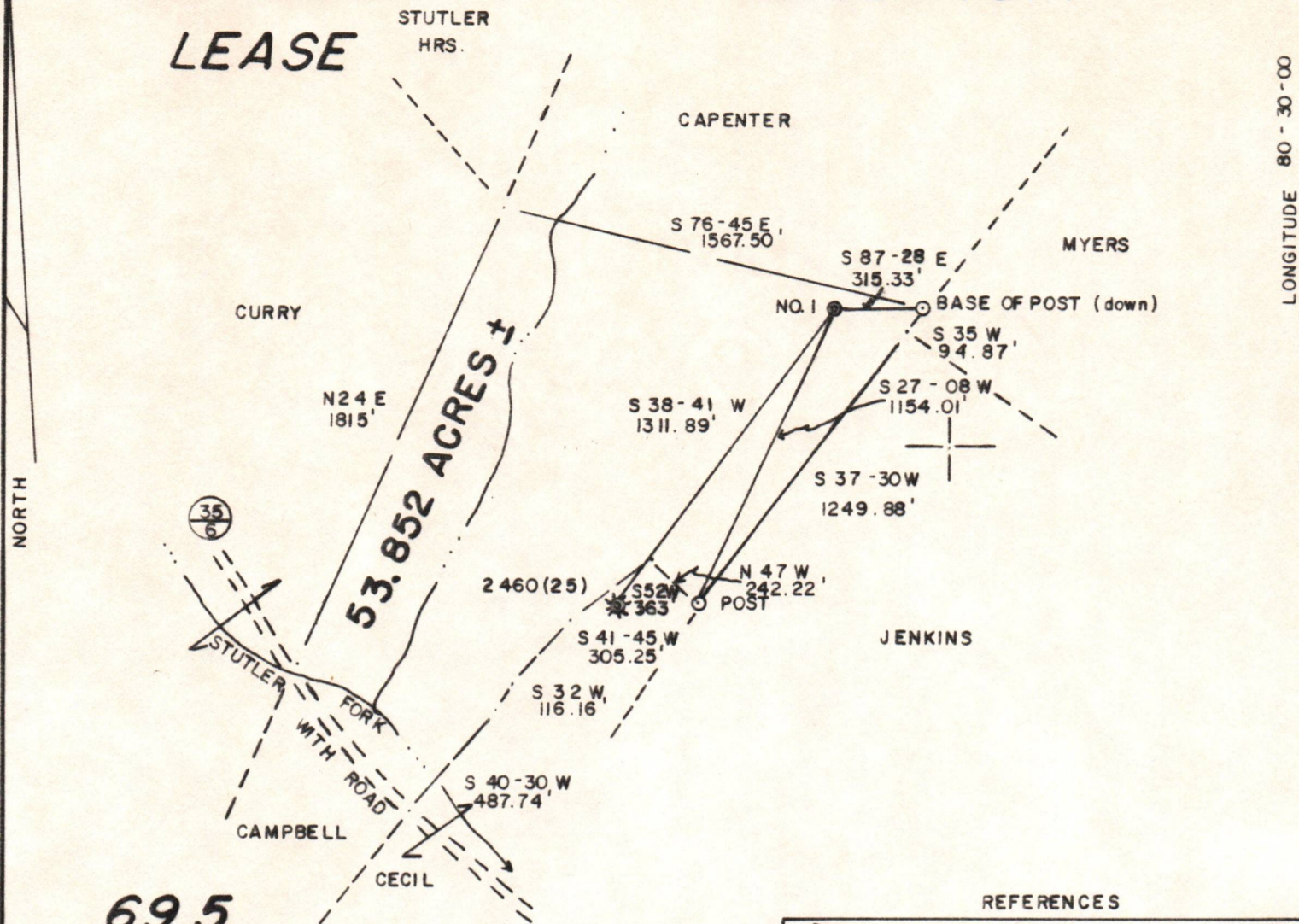
T.H. B.
Administrator-Oil & Gas Division

November 5, 1985
DATE

MU 7-31-85

CAMPBELL LEASE

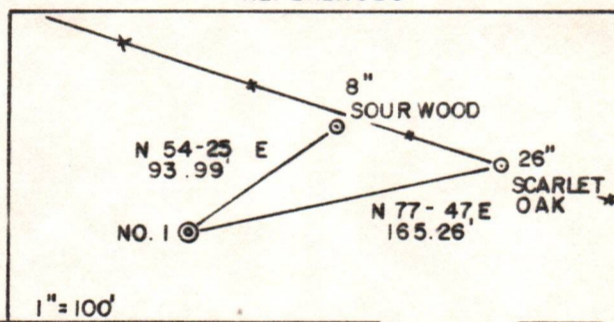
WELL NO. 1



69.5 ACRES ±

NOTE: NO PERMITTED WELLS WITHIN 1200'

REFERENCES

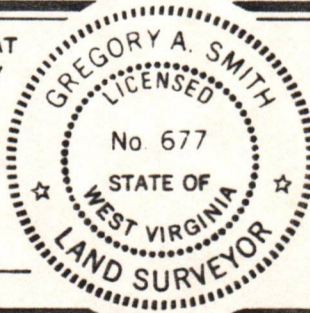


SLS SMITH LAND SURVEYING

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE JULY 3, 1985
 OPERATORS WELL NO. 1
 API WELL NO.
47 - 033 - 3237
 STATE COUNTY PERMIT

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 MINES.

L.L.S. 677 Gregory A. Smith



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 18-30
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. = 1383' SCALE 1" = 600'



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1370' WATERSHED STUTLER FORK
 DISTRICT UNION COUNTY HARRISON QUADRANGLE BIG ISAAC 7.5'
 SURFACE OWNER JOSEPH M. CAMPBELL et. al. ACREAGE 53.852
 OIL & GAS ROYALTY OWNER JOSEPH M. CAMPBELL et. al. LEASE ACREAGE 69.5
 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 ALEXANDER
 ESTIMATED DEPTH 5575'

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

00-00-00 LONGITUDE

COUNTY NAME PERMIT

575