



1) Date: June 13, 19 84
 2) Operator's Well No. H. Nestor #1
 3) API Well No. 47-001-2085
 State _____ County _____ Permit _____

A-1

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

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1808' Watershed: Raccoon Creek (MT238)
 District: Cove County: Barbour Quadrangle: NESTORSVILLE
- 6) WELL OPERATOR Swift Energy Co. 7) DESIGNATED AGENT Tim Bennett
 Address P. O. Box 2201 Address P. O. Box 2201
Clarksburg, WV 26301 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Phil Tracey Name Unknown
 Address Forest Festival Terrace Address _____
Elkins, WV 26451
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Haverty OIL & GAS DIVISION
 12) Estimated depth of completed well, 5995' feet DEPT. OF MINES
 13) Approximate trata depths: Fresh, 30', 730' feet; salt, 1050' feet.
 14) Approximate coal seam depths: 235', 730' Is coal being mined in the area? Yes _____ / No X

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 OIL & GAS DIVISION
 DEPT. OF MINES

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		
Conductor	11 3/4			X		40	40	Circulate Kinds
Fresh water								
Coal								Sizes
Intermediate	8 5/8			X		950'	950'	To Surface NEAT
Production	4 1/2			X		5400	5400'	As Req. Depths set
Tubing								by rule 15.01
Liners								Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-001-2085 Date June 18, 19 84

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 June 18, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>LS</u>	Plat: <u>MW</u>	Casing <u>MW</u>	Fee <u>1045</u>
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Margaret J. Dasse
 Administrator, Office of Oil and Gas

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

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

File



OFFICE USE ONLY

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

1) LOCATION: Mine: COVE Direction: COVE Elevation: 1808 Watched: Richard Crick (M1234) B (H "Gas", Production) Underground

2) WELL OPERATOR: Swift Energy Co. Address: F. O. Box 2201 Clarkburg, WV 26301

3) DRILLING CONTRACTOR: Forest Restival Services Name: Paul Skoob Address: Williams, WV 26151

4) PROPOSED WELL WORK: Drill 4" deep Plug off old formation Perform new formation

5) GEOLOGICAL TARGET FORMATION: Haystack

6) Estimated depth to completed well: 1050'

7) Approximate true dip: 32° N 70° E

8) Approximate coal seam depth: 32, 70'

9) Is coal being mined in the area? Yes

10) Other physical changes in well (specify): Oil & Gas Division

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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		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason:	Agent	Plan	Costing	Fee

BLANKET

I N S T R U C T I O N S T O A P P L I C A N T

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>
Hubert Nestor, et ux	Hope Nat. GAs Co.	1/8	51/434
Hope Nat. GAS Co.	Swift Energy Co.	1/8	By Farmout Agt. Dated 3-1-84

1) Date: June 13, 1984
 2) Operator's Well No. H. Nestor #1
 3) API Well No. 47-001-2085
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

- 4) SURFACE OWNER(S) OF RECORD TO BE SERVED
- (i) Name Hubert Nestor
 Address Rt. 1
Moatsville, WV 26405
 - (ii) Name _____
 Address _____
 - (iii) Name _____
 Address _____
- 5(i) COAL OPERATOR N/A
 Address _____
- 5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name N/A
 Address _____
- Name _____
 Address _____
- 5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
 Name N/A
 Address _____

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-4 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.

RECEIVED
 JUN 14 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

- 6) EXTRACTION RIGHTS
 Check and provide one of the following:
 Included is 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 No
- 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
Tim Bennett
 this 13 day of June, 19 84.
 My commission expires 6-15-89, 19 .

WELL OPERATOR SWIFT ENERGY CO.
 By Tim Bennett
 Its Designated Agent
 Address P. O. Box 2201
Clarksburg, WV 26301
 Telephone 622-7701

Shane G. Seeger
 Notary Public, _____ County,
 State of _____
 W. Va.



1) Date: June 13, 1984
 2) Operator's Well No. H. Nestor #1
 3) API Well No. 47 001
 State _____ County _____ Permit _____

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

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: _____ Watershed: _____
 District: Cove County: Barbour Quadrangle: _____
- 6) WELL OPERATOR Swift Energy Co. 7) DESIGNATED AGENT Tim Bennett
 Address P. O. Box 2201 Address P. O. Box 2201
Clarksburg, WV 26301 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Phil Tracey Name Unknown
 Address Forest Festival Terrace Address _____
Elkins, WV 26451
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, _____
- 12) Estimated depth of completed well, _____ feet
- 13) Approximate strata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No _____

RECEIVED
 JUN 14 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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>X</u>		<u>40</u>	<u>40</u>	<u>Circulate</u>	Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>8 5/8</u>			<u>X</u>				<u>To Surface</u>	
Production	<u>4 1/2</u>			<u>X</u>				<u>As Req.</u>	Depths set
Tubing									
Liners									Perforations:
									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)
Hubert Nestor
 (Signature) _____ Date: _____

 (Signature) _____ Date: _____

**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.

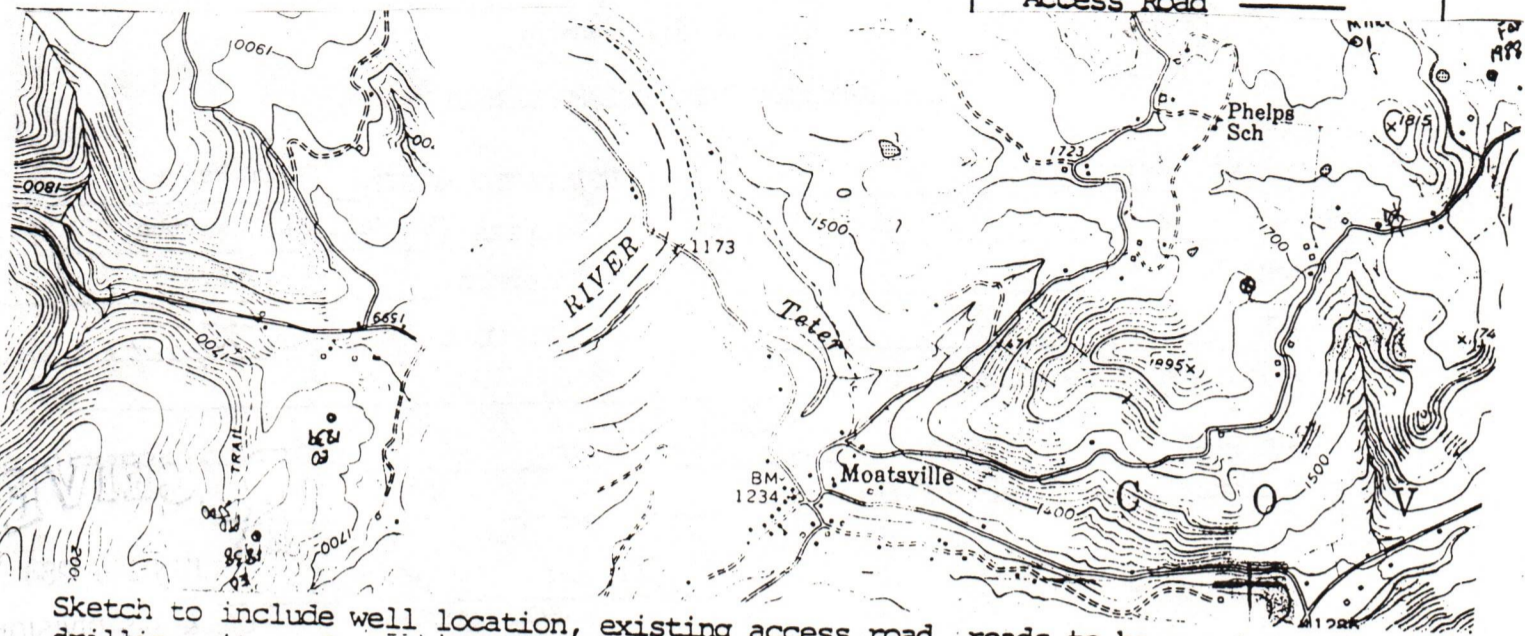
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE *Nestorville 7.5*

LEGEND

Well Site ⊕

Access Road ———



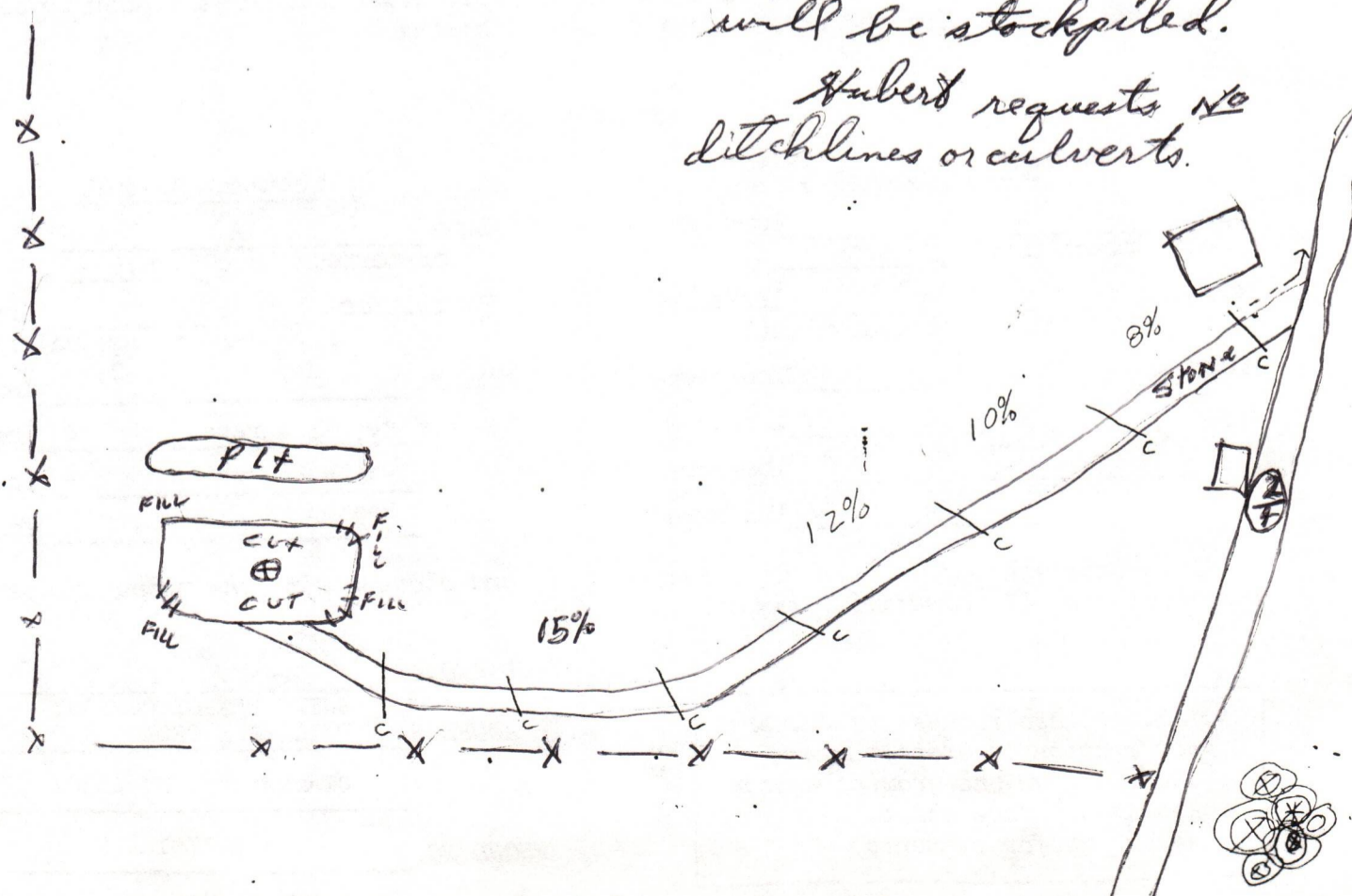
Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary ————	Diversion ————
Road = = = = =	Spring ⊕ →
Existing fence — x — x —	Wet spot ♀
Planned fence — / — / —	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ —
Open ditch — ···· — ···· —	Waterway ⊕ ⊕ ⊕ ⊕

Swift Energy Co - H. Nestor #1 is located on top of a knoll in a pasture. Topsoil will be stockpiled.

Hubert requests no ditchlines or culverts.



IV-9
(Rev 8-81)



DATE 6-7-84
WELL NO. H. Nestor #1
API NO. 47-001-2085

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

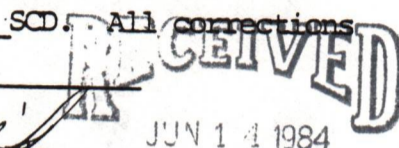
COMPANY NAME Swift Energy Company
Address P. O. Box 2201, Clarksburg, WV
Telephone 622-7701

DESIGNATED AGENT Tim Bennett
Address 737 Karl St., Weston, WV 26452
Telephone 269-3215

LANDOWNER Hubert Nestor
Revegetation to be carried out by _____

SOIL CONS. DISTRICT Tygart Valley
OPERATOR _____ (Agent)

This plan has been reviewed by Tygart Valley
and additions become a part of this plan: 6-14-84
(Date)



James [Signature]
(SCD Agent)

OIL & GAS DIVISION
DEPT. OF MINES

ACCESS ROAD

LOCATION

Structure Culverts
2-5% 500'-300' 11-15% 200'-100'
Spacing 6-10% 300'-200' 16-20% 100'

(A)

Structure Diversion Ditch (1)

Material Soil-(2% Max. Slope)

Page Ref. Manual 2-7

Page Ref. Manual 2-12

Structure Drainage Ditch

(B)

Structure Drilling Pit (2)

Spacing To Be Constructed Along Road

Material Soil

Page Ref. Manual 2-12

Page Ref. Manual -----

Structure Cross Drains

(C)

Structure Sediment Trap (3)

Spacing 2%-250' 10%-80'
5%-135' 15%-60'

Material Soil

Page Ref. Manual 2-4

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

Treatment Area II
(Meadowland)

Lime 3 Tons/acre
or correct to pH 6.5

Lime 3 Tons/acre
or correct to pH 6.5

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Mulch Hay 2 Tons/acre

Seed* Ky-31 Tall Fescue 30 lbs/acre

Seed* Ky. Bluegrass 20 lbs/acre

Birdsfoot Trefoil 10 lbs/acre

White Clover 2 lbs/acre

Domestic Rvegrass 10 lbs/acre

Redtop 5 lbs/acre

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

PLAN PREPARED BY Tim Bennett

ADDRESS SWIFT ENERGY COMPANY
P. O. Box 2201

Clarksburg, WV 26301

PHONE NO. 622-7701

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

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

4th Elk & Haverty - 5173'-5193', 5511'-5524' 25,000 SCF N₂, 10,000# 80-100 SD, 32,500#
20-40 SD, 500 GA, 467BGW

Riley, Benson & Alexander - 4142'-4144', 4286'-4288', 4327'-4329', 4518'-4521', 25,000
SCF N₂, 10,000# 80-100 SD, 32,500# 20-40 SD, 500 GA, 451 BGW

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 & Shale			0	30	Damp at 35'
Sand & Shale			30	182	Wet at 120'
Red Rock			182	201	
Shale & Sand			201	220	
Coal			220	224	
Shale & Sand			224	271	
Coal			271	276	
Shale & Sand			276	697	
Coal			697	703	
Shale & Sand			703	1117	
Shale & Red Rock			1117	1157	
Sand			1157	1181	
Shale & Red Rock			1181	1244	
Sand, Shale & Red Rock			1244	1483	
Lime			1483	1490	
Shale			1490	1523	
Lime			1523	1530	
Shale			1530	1538	
Big Lime			1538	1635	
Shale & Sand			1635	5999'	Damp at 1785', Wet at 1860'
				TD	

(Attach separate sheets as necessary)

Swift Energy Company
Well Operator
By James M. Kitterman James M. Kitterman
Date: September 21, 1984 VP - Drilling & Production

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."



IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date September 21, 1984
Operator's Well No. H. Nestor No.1
Farm _____
API No. 47 - 001 - 2085

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 ___ /)

LOCATION: Elevation: 1808' Watershed Raccoon Creek
District: Cove County Barbour Quadrangle Nestorville 7.5 min.

COMPANY Swift Energy Company
ADDRESS 652 E. North Belt, Houston, Tx 77060
DESIGNATED AGENT Tim Bennett
ADDRESS P. O. Box 2201, Clarksburg, WV 26301
SURFACE OWNER Hubert B. Nestor
ADDRESS Rt. 1, Moatsville, WV 26405
MINERAL RIGHTS OWNER Same
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Phil Tracy
Forest Fest # 24 ADDRESS Elkins, WV 26451
PERMIT ISSUED June 18, 1984
DRILLING COMMENCED 06-25-84
DRILLING COMPLETED 06-30-84
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		1184'	270 sks.
7			
5 1/2			
4 1/2		5691'	700 sks.
3			
2-3/8		5479'	
Liners used			

GEOLOGICAL TARGET FORMATION Haverty Depth 5950 feet
Depth of completed well 5999' feet Rotary XX / Cable Tools _____
Water strata depth: Fresh 35', 120' feet; Salt _____ feet
Coal seam depths: 220'-224':271'276' Is coal being mined in the area? No
697'-703'

OPEN FLOW DATA

Producing formation 4th Elk/Haverty Pay zone depth 5348 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 103* Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1250 psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)
Second producing formation Riley/Benson/Alexander Pay zone depth 4331 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ 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

*Gas comingled from formations

(Continue on reverse side)

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

RECEIVED

JUN 26 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 001-2085

Oil or Gas Well _____
(KIND)

Company <u>Swift E</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address _____	Size		
Farm <u>Id. Neotore</u>	16			Kind of Packer _____
Well No. <u>#1</u>	13			
District _____ County <u>001</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/4			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Century Rig #1

Remarks: Finishing location, Rig out-

6/23/84
DATE

Altkear
DISTRICT WELL INSPECTOR

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

RECEIVED
JUN 27 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 001-2085

Oil or Gas Well _____
(KIND)

Company Swift Energy

Address _____

Farm Nesta

Well No. #1

District _____ County 001

Drilling commenced

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 _____ 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 _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names Century #1-

Remarks: Rig on

6/25/84
DATE

J. G. Reaver
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR

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

RECEIVED
JUN 29 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 001-2085

Oil or Gas Well _____
(KIND)

Company Swift
 Address _____
 Farm H. NESTOR
#1
 Well No. _____
 District _____ County 001
 Drilling commenced _____
 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 _____ 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 _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Century #1

Remarks: Run- 8 5/8 - P.M. -

6/26/84
DATE

RG Beall
DISTRICT WELL INSPECTOR

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

RECEIVED
JUL - 2 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 001-2085

Oil or Gas Well _____
(KIND)

Company Address Farm Well No. District _____ County <u>OC</u> Drilling commenced _____ 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 _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer _____ Size of _____ Depth set _____ Perf. top _____ Perf. bottom _____ Perf. top _____ Perf. bottom _____
<u>Swift</u>	16			
<u>H. Weston #1</u>	13			
	10			
	8 1/4			
	6 5/8			
	5 3/16			
	3			
	2			
Liners Used _____				
CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____				
NAME OF SERVICE COMPANY _____				
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES				
_____ FEET _____ INCHES _____ FEET _____ INCHES				
_____ FEET _____ INCHES _____ FEET _____ INCHES				

Drillers' Names Century #1

Remarks: Check Cement Set on 8 7/8 -

6/27/84
DATE

[Signature]
DISTRICT WELL INSPECTOR

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

RECEIVED

JUL - 5 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 001-2085

Oil or Gas Well _____
(KIND)

Company <u>Swift</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			
Address _____	16			Kind of Packer _____
Farm <u>H. Nestor</u>	13			
Well No. <u>#1</u>	10			Size of _____
District _____ County <u>001</u>	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used _____			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Century Rig #1

Remarks: T.D. - Rig down Run 4 1/2 -

7/2/84

DATE

RL Beane

DISTRICT WELL INSPECTOR

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

RECEIVED
JUL 19 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 001-2085

Oil or Gas Well _____
(KIND)

Company <u>Swift</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm <u>H. NESTOR</u>	16			
Well No. <u>#1</u>	13			Size of _____
District _____ County <u>001</u>	10			
Drilling commenced <u>6/25/84</u>	8 1/4			Depth set _____
Drilling completed <u>7/2/84</u> Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: Checked Complaint on drainage
Sedimentation from location

7/17/84
DATE

R. C. Beall (501)
DISTRICT WELL INSPECTOR

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

RECEIVED
JUL 23 1984

INSPECTOR'S WELL REPORT

Permit No. 001-2085

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well _____
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>Swift</u>	Size			Kind of Packer
Address		16			
Farm	<u>H. Nestor</u>	13			
Well No.	<u>#1</u>	10			Size of
District	County <u>001</u>	8 1/4			
Drilling commenced		6 5/8			Depth set
Drilling completed	Total depth	5 3/16			
Date shot	Depth of shot	3			Perf. top
Initial open flow	/10ths Water in	2			Perf. bottom
	Inch	Liners Used			Perf. top
Open flow after tubing	/10ths Merc. in				Perf. bottom
	Inch	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Volume	Cu. Ft.	NAME OF SERVICE COMPANY _____			
Rock pressure	lbs. _____ hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Oil	bbls., 1st 24 hrs.	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Fresh water	feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water	feet _____ feet				

Drillers' Names _____

Remarks:

Check Complaint by Dr. Hester that dirt from location was spread over on his meadow -

7/19/84

DATE

RG Beale

DISTRICT WELL INSPECTOR



RECEIVED
APR 16 1985

OIL & GAS DIVISION
DEPT. OF MINES

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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

COMPANY Swift Energy Company
P. O. Box 2201
Clarksburg, West Virginia 26301

PERMIT NO 001-2085
FARM & WELL NO Hubert Nestor #1
DIST. & COUNTY Cove/Barbour

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

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

SIGNED *Paul B. Bell*
DATE 4-12-85

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.

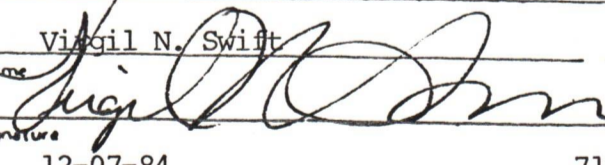
T. H. B.
Administrator-Oil & Gas Division

April 17, 1985
DATE

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

RECEIVED
DEC 14 1984

**OIL & GAS DIV
DEPT. OF MINES**
037373
Seller Code

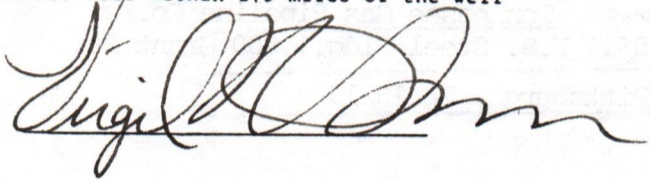
1.0 API well number (If not assigned, leave blank. 14 digits.)	47 - 001 - 2085 -			
2.0 Type of determination being sought (Use the codes found on the front of this form.)	102 Section of NGPA	2 Category Code		
3.0 Depth of the deepest completion location (Only needed if sections 103 or 107 in 2.0 above.)	5524 feet			
4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)	Swift Energy Company Name 652 E. North Belt, #200 Street Houston, TX 77060 City State Zip Code			
5.0 Location of this well (Complete (a) or (b)) (a) For onshore wells (35 letters maximum for field name.) (b) For OCS wells	Cove District Field Name Barbour WV County State Area Name Block Number Date of Lease Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well (35 letters and digits maximum.)	H. Nestor No. 1			
(d) If code 4 or 5 in 2.0 above, name of the reservoir (35 letters maximum.)				
6.0 (a) Name and code number of the purchaser (35 letters and digits maximum. If code number not available, leave blank.) (b) Date of the contract	Tennessee Gas Pipeline Name Buyer Code 10 9 016 18 4 Mo. Day Yr.			
(c) Estimated total annual production from the well	25 Million Cubic Feet			
	(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price (As of filing date. Complete to 3 decimal places.)	S/MMBTU 3 . 8 4 5	- 0 . 3 0 7	+ 0 . 3 0 7	3 . 8 4 5
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	S/MMBTU 3 . 8 4 5	- 0 . 3 0 7	+ 0 . 3 0 7	3 . 8 4 5
9.0 Person responsible for this application:	Virgil N. Swift Name Executive V.P.  Signature Title 12-07-84 Date Application is Completed 713/445-0844 Phone Number			

Agency Use Only
Date Received by Juris. Agency
DEC 14 1984
Date Received by FERC

Are you aware of any other information which would tend to be inconsistent with the information specified above? Yes _____ No XX. If yes, indicate the type and source of the information.

AFFIDAVIT

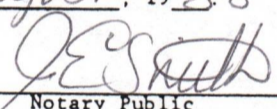
I, Virgil N. Swift, having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief there is no marker well within 2.5 miles of the well for which this determination is sought.



STATE OF ~~WEST VIRGINIA~~, TEXAS
COUNTY OF HARRIS, TO WIT:

I, J. E. Smith, a Notary Public in and for the state and county aforesaid, do certify that Virgil N. Swift, whose name is signed to the writing above, bearing date the 7th day of December, 1984 has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 7th day of December, 1984. My term of office expires on the 14th day of August, 1988.

(NOTARIAL SEAL)



Notary Public

BOTTOM HOLE PRESSURE DATA

Indicate the bottom hole pressure of the well and explain how this was calculated.

$$BHP = P_1 + P_1 (e^{(GL/53.34T)} - 1)$$

G = .7
L = 5524'
T = 586°R
P₁ = 1265 psia

BHP = 1432 psia

Date 12-07, 1984

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

Operator's
Well No. H. Nestor #1

API Well
No. 47 - 001 - 2085
State County Permit

WELL CLASSIFICATION FORM

WELLS DRILLED MORE THAN 2.5 MILES FROM A MARKER WELL
NGPA Section 102(c)(1)(B)(i) Category 2

DESIGNATED AGENT Tim Bennett

ADDRESS P.O. Box 2201
Clarksburg, WV 26301

WELL OPERATOR Swift Energy Co.
ADDRESS 652 E. North Belt, #200
Houston, TX 77060

LOCATION: Elevation 1808'
Watershed Raccoon Creek

GAS PURCHASER Tennessee Gas Pipeline Co.
ADDRESS 5646 U.S. Steel Bldg., 600 Grant St.
Pittsburgh, PA 15219

Dist. Cove County Barbour Quad. Nestorville 7.5
Gas Purchase Contract No. 1540
Meter Chart Code _____
Date of Contract 09-06-84

* * * * *

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax Records and royalty payment records) and indicate the location of such records:

Inquiry made to pipeline company to determine no pipeline was available prior to 4/20/77.



Describe the search made of any records listed above:

- Dates wells drilled
- Depth of wells
- Location of wells
- Production or best information

Are there any records not reasonably available to you which may contain information relevant to a determination of eligibility? Yes _____ No XX. If yes, identify such records and indicate their location, if known:



H. Nestor (2085)

SWIFT ENERGY COMPANY

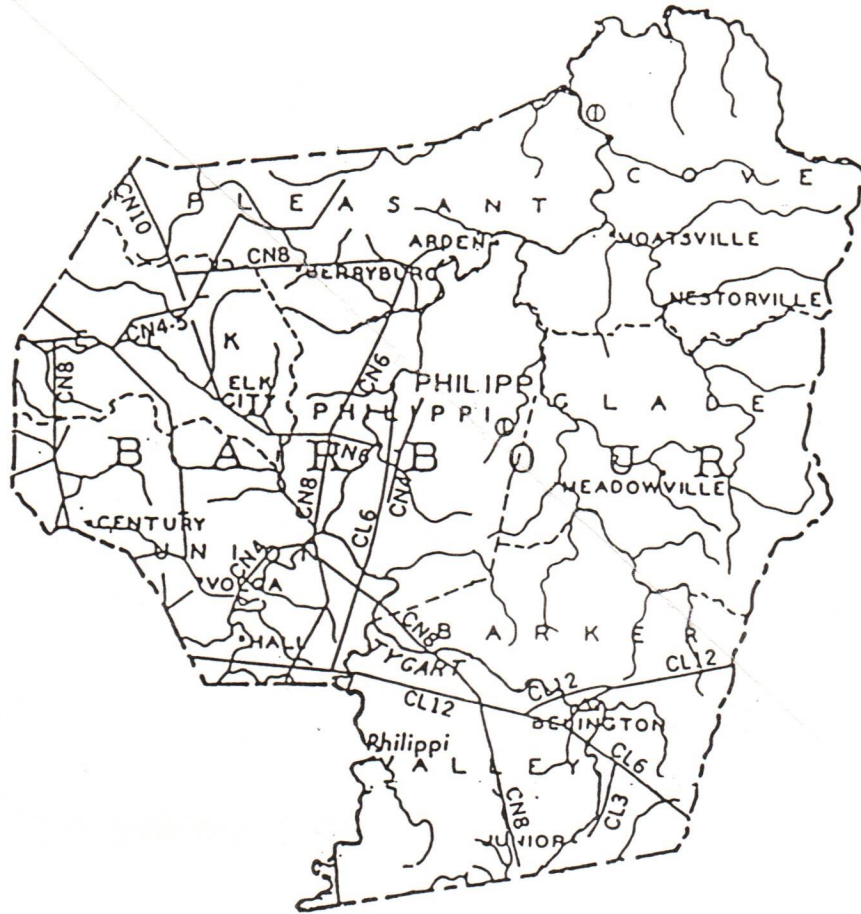
SECTION 102, WEST VIRGINIA


DEEPEST COMPLETION LOCATION / MARKER WELLS

COUNTY	PERMIT NO.	DRILLING DATE	PRODUCING FORMATION / TD
Booth Co. / ^{Cove, Glade} Pleasant D.	(PL) 451PP	'69 ✓	B /
	(PL) 571R	'77	5 th , B, Sp / 4225'
	(PL) 677	'74 ✓	B / 4274'
	(PL) 965	'78	5 th , R, E, Ba / 4369'
	(PL) 972	'78	Ba, B /
	(PL) 977	'78	Ba, E / 5208'
	(PL) 988	'78	Ba, B, A / 4862'
	(PL) 989	'78	B.I., R, B, Ba / 4606'
	(PL) 994		Ba, B /
	(PL) 1017	'78	B, R, E / 4815'
	(PL) 1018		Plugged & Abandoned /
	(PL) 1119	'79	B, A, R / 4802'
	(C) 1137	'79	Sp / 5239'
	(PL) 1141	'79	Dry & Abandoned /
	(PL) 1209	'79	B, R, / 4200'
	(C) 1547	'81	Ba, B, E / 5472'
	(C) 1548	'81	Ba, B, E / 5410'
	(C) 1550	'81	5 th , B, Sp, Ba, B, R, E / 5511'
	(C) 1551	'81	Ba, R, B / 5676'
	(C) 1663	'82	B, A / 5776'
	(C) 1667	'82	A / 5185'
	(C) 1674	'82	B, E / 5709'
	(C) 1676	'82	5 th , B / 5531'
	(C) 1700	'82	B, R, Ba, E / 5751'
	(C) 1711	'83	Ba, B, E / 5411'
	(C) 1771	'82	Ba, R, B, E / 5724'
	(C) 1772	'83	Ba, B, E / 5239'
	(C) 1784	'83	B, R, E / 5753'
	(C) 1786	'84	Ba, R, B, E / 5862'
	(C) 1788	'84	Sp, Ba, R, B, E / 5717'
	(C) 1870	'83	5 th , B, E / 5530'
	(C) 1910	'83	Ba, B, R, E / 5954'
	(C) 1941	'83	Sp, B, A / 4505'
	(C) 1942	'83	Sp, Ba, A, B / 4400'
	(C) 1955	'83	Sp, Ba, A / 4503'
	(C) 1956	'83	Sp, Ba, R, B / 4550'
	(C) 1961	'83	B, A, Ba / 5510'
	(C) 1988	'83	Ba, R, B, E / 5692'
	(C) 1989		Ba, R, B, A /
	(C) 2092		4 th /

SANDS


- A - Alexander
- B - Benson
- E - Elk
- H - Haverty
- R - Riley
- Ba - Balltown
- By - Bayard
- B.I. - Big Injun
- Sp - Speechley




SWIFT ENERGY COMPANY

SECTION 102 FILING
 COVE & PLEASANT DIST., BARBOUR CO., W.VA.

H. NESTOR
(47-001-2085)

0 3000 6000

FEET

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)
(Sections 102, 103, 107 and 108)

GENERAL INSTRUCTIONS

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 can be obtained from the Buyer-Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR part 274.501. If there are any questions, call (202) 357-8585.

SPECIFIC INSTRUCTIONS

Use the codes in the table below for type of determination in item 2.

Section of NGPA (a)	Category Code (b)	Description (c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high cost gas
107	1	Gas produced from geopressured brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well - seasonally affected
108	2	Stripper well - enhanced recovery
108	3	Stripper well - temporary pressure buildup
108	4	Stripper well - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

Line No.	Contract Date (Mo., Da., Yr.) (a)	Purchaser (b)	Buyer Code (c)
1	09-06-84	Tennessee Gas Pipeline Co.	
2		5646 U.S. Steel Bldg.	
3		600 Grant Street	
4		Pittsburgh, PA 15219	
5			
6			

Remarks:

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

RECEIVED
 DEC 14 1984
 OIL & GAS DIV. 037373
 DEPT. OF MINES

1.0 API well number (If not assigned, leave blank. 14 digits.) 47 - 001 - 2085

2.0 Type of determination being sought (Use the codes found on the front of this form.)
 Section of NGPA 107 Category Code 3

3.0 Depth of the deepest completion location (Only needed if sections 103 or 107 in 2.0 above.) 5524 feet

4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)
 Name Swift Energy Co.
 Street 652 E. North Belt, #200
 City Houston State TX Zip Code 77060

5.0 Location of this well (Complete (a) or (b).)
 (a) For onshore wells (35 letters maximum for field name)
 Field Name Cove District State WV
 County Barbour State WV
 (b) For OCS wells
 Area Name _____ Block Number _____
 Date of Lease _____
 Mo. Day Yr. OCS Lease Number _____

(c) Name and identification number of this well (35 letters and digits maximum) H. Nestor No. 1

(d) If code 4 or 5 in 2.0 above, name of the reservoir (35 letters maximum) _____

6.0 (a) Name and code number of the purchaser (35 letters and digits maximum. If code number not available, leave blank.)
 Name Tennessee Gas Pipeline Co. Buyer Code _____
 (b) Date of the contract: 090684
 Mo. Day Yr.

(c) Estimated total annual production from the well 25 Million Cubic Feet

	(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b), and (c)
7.0 Contract price (As of filing date. Complete to 3 decimal places.)	S/MMBTU <u>5.902</u>	<u>-0.472</u>	<u>+0.472</u>	<u>5.902</u>
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	S/MMBTU <u>5.902</u>	<u>-0.472</u>	<u>+0.472</u>	<u>5.902</u>

9.0 Person responsible for this application:
 Name Virgil N. Swift Title Executive V. P.
 Signature _____
 Date Application is Completed 12-07-84 Phone Number 713/445-0844

Agency Use Only:
 Date Received by Justice Agency DEC 14 1984
 Date Received by FERC _____

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

JAN 14 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 12-07, 19 84

AGENCY USE ONLY

Applicant's Name: Swift Energy Company

Address: 652 E. North Belt, #200
Houston, TX 77060

Gas Purchaser Contract No. 1540

Date of Contract 09 - 06 - 84
(Month, day and year)

First Purchaser: Tennessee Gas Pipeline Co.

Address: 5646 U.S. Steel Bldg., 600 Grant Street
(Street or P.O. Box)
Pittsburgh PA 15219
(City) (State) (Zip Code)

FERC Seller Code 037373

WELL DETERMINATION FILE NUMBER
841214 - 107-001-2085
Use Above File Number on all
Communications Relating to This Well

Designated Agent: Tim Bennett

Address: P.O. Box 2201
Clarksburg, WV 26301

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Virgil N. Swift Executive V.P.
(Print) (Title)

Signature: *Virgil N. Swift*

Address: 652 E. North Belt, #200
(Street or P.O. Box)
Houston TX 77060
(City) (State) (Zip Code)

Telephone: 713 445-0844
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
- 103 New Onshore Production Well
- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- XX 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

QUALIFIED

RECEIVED

DEC 14 1984

OIL & GAS DIV.
DEPT. OF MINES

Date Received

Determination Date

DEVONIAN SHALE GAMMA RAY LOG ANALYSIS
APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: Swift Energy Co. Agent: Tim Bennett

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-001-2085 Well Name: H. Nestor No. 1

West Virginia Office of Oil and Gas County: Barbour
 References: SJA File No.

Vol. Page Line

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray elevation indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = 120 * API Units
2. Remarks:

B. Gamma Ray Log Value at 0.7 x Value at Base Line

1. GR Value = 120 * API Units
2. Calculation: $\frac{0.7 \text{ (GR Value at Base Line)}}{0.7 \text{ (120 *)}} = \underline{84}$ API Units

III. Intervals with GR index less than 0.7 x (Value at Base Line):

Interval		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
From**	To***		
1937	5944	4007	182

Total Devonian Interval 4007

Total Less Than 0.7 (Shale Base)

182

% Less Than 0.7 (Shale Base Line) = $\frac{182}{4007} \times 100 = \underline{4.5\%}$

*Marked on log included with analysis.

**Top of Devonian Section Recorded on First Interval in this Column.

***Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES OIL AND GAS DIVISION

DATE 12-07-84
OPERATOR'S
WELL NO. H. Nestor #1
API WELL NO.
47 - 001 - 2085
STATE COUNTY PERMIT

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE

NGPA SECTION 107

WELL OPERATOR Swift Energy Company
ADDRESS 652 E. North Belt, #200
Houston, TX 77060

DESIGNATED AGENT Tim Bennett
ADDRESS P.O. Box 2201
Clarksburg, WV 26301

GAS PURCHASER Tennessee Gas Pipeline Co.
ADDRESS 5646 U.S. Steel Bldg., 600 Grant St.
Pittsburgh, PA 15219

LOCATION Elevation 1808'
Watershed Raccoon Creek
Dist. Cove County Barbour Quad. Nestor-
ville 7.5
Gas Purchase
Contract No. 1540
Meter Chart Code _____

Date of Contract 09-06-84
Date Surface Drilling Began: 06-25-84

* * * * *

Indicate the bottom hole pressure of the well and explain how this was calculated:

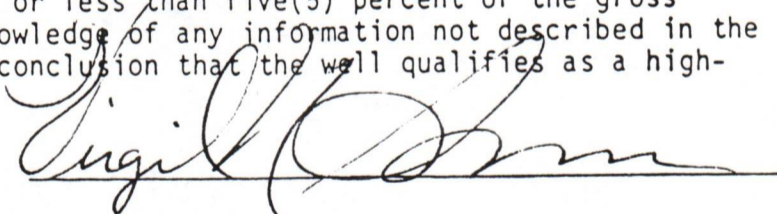
$$BHP = P_1 + P_1 (e^{(GL/53.34T)} - 1)$$

G = .7
L = 5524'
T = 586°R
P₁ = 1265 psia

BHP = 1432 psia

AFFIDAVIT

I, Virgil N. Swift, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if Gamma Ray log described in subparagraph (3)(i) of (3)(ii)(A) has been filed, or as indicated by report in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five(5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is consistent with a conclusion that the well qualifies as a high-cast natural gas well.

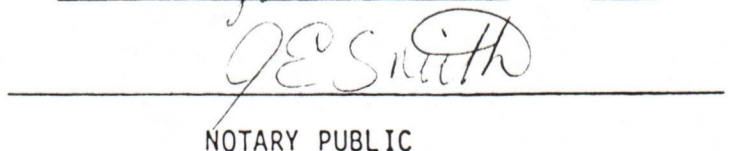


STATE OF WEST VIRGINIA ~~TEXAS~~

COUNTY OF HARRIS, TO-WIT:

I, J. E. SMITH, a Notary Public in and for the state and county aforesaid, do certify that Virgil N. Swift, whose name is signed to writing above, bearing date the 7th day of December, 19, 84, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 7th day of December, 19, 84.
My term of office expires on the 11th day of August, 19, 88.


NOTARY PUBLIC

LATITUDE 39°15'00"

HALLER

CLINE

FELTON

WELL REFERENCES:

S45°05'W, 181.36' TO POST
N25°15'W, 232' TO 24" LOGUST

H. B. NESTOR
44 AC.

NESTOR

HALLER

NORTH
1914'

LONGITUDE 79°52'30"

NORTH

HOWERSHOLT

N45°05'E
181.56

NO. 1
S69°40'E 653.94'

N24°E
330'

POST

N82°24'W 748.37'

RR SPIKE

MILLER

MILLER

2400' NO. 1

1674(25)
1780'

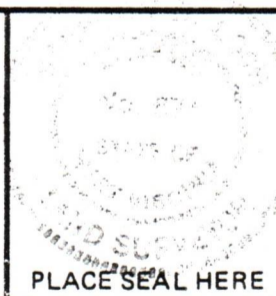
1678(25)
1970'

LAND SURVEYING SERVICES
RT. 2, BOX 215E
JANE LEW, WV 26378
PHONE: 304-745-4426

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF
ACCURACY 1 in 2500
PROVEN SOURCE OF
ELEVATION TOP OF KNOB 1000' S.W.
OF LOCATION ELEV. - 1895'

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF MINES.

(SIGNED) Stephen D. Losh
R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE JUNE 04, 19 84
OPERATOR'S WELL NO. NESTOR NO. 1
API WELL NO. _____
47 - 001 - 2085
STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1808' WATER SHED RACCOON CREEK
DISTRICT COVE COUNTY BARBOUR
QUADRANGLE NESTORVILLE 7.5 min.
SURFACE OWNER HUBERT B. NESTOR ACREAGE 43
OIL & GAS ROYALTY OWNER HUBERT B. NESTOR LEASE ACREAGE 44
LEASE NO. WV-0835 (74076)

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION HAVERTY ESTIMATED DEPTH 5995'
WELL OPERATOR SWIFT ENERGY COMPANY DESIGNATED AGENT TIM BENNETT
ADDRESS P.O. BOX 2201 ADDRESS P.O. BOX 2201
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301