

RECEIVED
JUN 21 1985



1) Date: May 13, 19 85
2) Operator's Well No. Lowther #1
3) API Well No. 47 -033-3218
State County Permit

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

OIL & GAS DIVISION
DEPT. OF MINES

- 4) WELL TYPE: A Oil / Gas /
B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1310 ft. Watershed: Little Rock Camp Run
District: Sardis County: Harrison Quadrangle: Wolf Summit 691
- 6) WELL OPERATOR Sheldon and Sheldon, Inc. DESIGNATED AGENT David J. Sheldon
Address 901 West Main St. - Suite 201 44675 Address 901 West Main Street - Suite 201
Bridgeport, West Virginia 26330 Bridgeport, West Virginia 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Steven Casey 9) DRILLING CONTRACTOR: Name Coastal Corp.
Address Route 2 Box 232D Address 3501 Emerson Avenue
Jane Lew, West Virginia 26378 Parkersburg, West Virginia 26104
- 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, Balltown Sand
- 12) Estimated depth of completed well, 4,000 feet
- 13) Approximate strata depths: Fresh, 60,100 feet; salt, _____ feet.
- 14) Approximate coal seam depths: 380, 460 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	H44	42	x		30	0		Kinds	
Fresh water										
Coal									Sizes	
Intermediate	8 5/8	J55	20	x		1350	1350	to surface	Neat	
Production	4 1/2	J55	10.5	x		3900	3900	255 scs	Depths set or as required	
Tubing									by Rule 15.01	
Liners									Perforations:	
									Top Bottom	

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-3218

Date June 21 19 85

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 21, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>139</u>	<u>ALB</u>	<u>MU</u>	<u>MU</u>	<u>2651</u>

Margaret J. Hesse
Administrator, Office of Oil and Gas

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

File

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



OFFICE USE ONLY

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

1) LOCATION: B (If Gas Production) ... 2) WELL OPERATOR: ... 3) DRILLING CONTRACTOR: ... 4) PROPOSED WELL WORK: ... 5) GEOLOGICAL TARGET FORMATION: ... 6) ESTIMATED DEPTH OF COMPLETED WELL: ... 7) APPROXIMATE TUBING DEPTH: ... 8) APPROXIMATE COAL SEAM DEPTH: ...

OFFICE USE ONLY

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

Date	Follow-up inspection(s)
Application received	
Well work started	
Completion of the drilling process	
Well Record received	
Reclamation completed	

OTHER INSPECTIONS

Reason: _____
Reason: _____

Agent	Plan	Casing	Fee
-------	------	--------	-----



1) Date: May 13, 19 85
 2) Operator's Well No. Louther #1
 3) API Well No. 47
 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 _____
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 1310 ft. Watershed: Little Rock Camp Run
 District: Sardis County: Harrison Quadrangle: Wolf Summit
- 6) WELL OPERATOR Sheldon and Sheldon, Inc. 7) DESIGNATED AGENT David J. Sheldon
 Address 901 West Main St. - Suite 201 Address 901 West Main Street - Suite 201
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- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Steven Casey Name Coastal Corp.
 Address Route 2 Box 232D Address 3501 Emerson Avenue
Jane Lew, West Virginia 26378 Parkersburg, West Virginia 26104
- 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, Bullcamp Sand
- 12) Estimated depth of completed well, 4,000 feet
 13) Approximate strata depths: Fresh, 60, 100 feet; salt, _____ feet.
 14) Approximate coal seam depths: 380, 460 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>R44</u>	<u>42</u>	<input checked="" type="checkbox"/>		<u>30</u>	<u>0</u>		Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>5/8</u>	<u>J55</u>	<u>20</u>	<input checked="" type="checkbox"/>		<u>1350</u>	<u>1350</u>	<u>to surface</u>	<u>None</u>
Production	<u>1/2</u>	<u>J55</u>	<u>10.5</u>	<input checked="" type="checkbox"/>		<u>3900</u>	<u>3900</u>	<u>255 sac</u>	<u>or as required</u>
Tubing									<u>by Rule 15.01</u>
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.)

(For execution by natural persons)

NAME: _____
 By _____
 Its _____ Date _____

Robert J. Winant Date: 6/19/85
 (Signature)
 _____ Date: _____
 (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.

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)

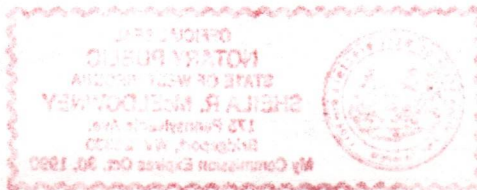
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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:

Grantor, lessor, etc. _____ Grantee, lessee, etc. _____ Royalty _____ Book Page

Robert A. Lowther et al Sheldon & Sheldon 1/8 Book 1144, Page 832



1) Date: May 13, 19 85
2) Operator's Well No. Lowther #1
3) API Well No. 47-033-3218
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 Robert L. Vincent et al.
Address 890 East Ave.
Shinnston, WV 26431
(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.

- 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 David J. Sheldon this 13 day of May, 19 85

WELL OPERATOR Sheldon & Sheldon, Inc.
By [Signature]
Its Permit
Address 901 West Main Street - Suite 201
Bridgeport, WV 26330
Telephone 304/624-4296



Notary Public, Harrison County, State of West Virginia
Commissioned as Sheila R. Kidd

JUN 21 1985
OIL & GAS DIVISION
DEPT. OF MINES



IV-9
(Rev 8-81)

DATE 2 April '85

WELL NO. Lowther - 1

State of West Virginia

API NO. 47 - 033 - 3218

Department of Mines
Oil and Gas Division

Rec'd. (WFSCD) CONSTRUCTION AND RECLAMATION PLAN

APR 4 1985

COMPANY NAME Sheldon & Sheldon, Inc.
Address 118 Westwood Ave.
Bridgeport, WV 26330
Telephone 304-624-4296

DESIGNATED AGENT David J. Sheldon
Address 118 Westwood Ave.
Bridgeport, WV 26330
Telephone 304-624-4296

LANDOWNER 1/5 Robert Vincent 1/5 Walter Vincent
1/5 Mabel Brown 1/5 Geraldine Asher
1/5 Herbert Burnett

SOIL CONS. DISTRICT West Fork
Coastal Corp. (Agent)

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: 4/23/85
(Date)

Kenneth E. Knight
(SCD Agent)

THIS REVIEW IS MADE FOR SITE AS SHOWN. A CHANGE OF ELEVATION OF PLUS OR MINUS 10 FT. OR SLOPE OF PLUS OR MINUS 3 PERCENT MAKES THIS PLAN NOT ACCEPTABLE TO WFSCD.

JUN 21 1985
OIL & GAS DIVISION
DEPT. OF MINES

ACCESS ROAD

LOCATION

Structure Culverts (A)
(accord. to O&G Manual at natural drains)
Spacing AS Shown and as needed.
(15" min. when leaving a State road.)
Page Ref. Manual 2-7 with riprapped outlet

Structure Diversion Ditch (1)
Material soil (2% max. slope)
Page Ref. Manual 2-12

Structure Drainage Ditch (B)
(Inside road cuts)
Spacing To be constructed along road.
Page Ref. Manual 2-12

Structure Drilling Pit (2)
Material Soil
Page Ref. Manual -----

Structure Cross Drains (C)
5%-135' 15%-60'
Spacing 10%- 80' 20%-45'
with rippapped outlet
Page Ref. Manual 2-4

Structure Sediment trap (3)
Material Soil
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.

Note: Drainage to be maintained after completion of well and seeding to commence within 3 months after completion of well.

REVEGETATION

Treatment Area I

Treatment Area II

*Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Ky-31 Tall Fescue 30 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
Domestic Ryegrass 10 lbs/acre

*Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Ky-31 Tall Fescue 30 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
Domestic Ryegrass 10 lbs/acre

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

*Lime according to pH test, PLAN PREPARED BY Rexford L. Ostrander

OSTRANDER LAND SURVEYING, INC.
ADDRESS Rt. 2, Box 375-6
Buckhannon, WV 26201.

PHONE NO. 304-472-0817

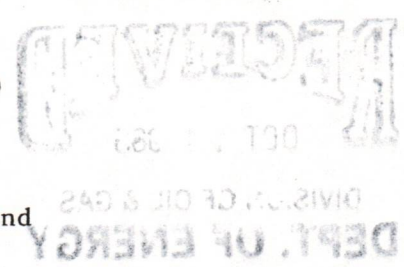
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

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

Perforations - 3838 to 3864 12 .39 holes
Foam Fraced using 230 bbls H2O, 500 Acid 10,000 # 80-100
45,000 # 20-40 Sand and 530,000 SCF N2

Perf- 3512-3335 10 .39 Holes
Fraced using - 230 bbls, H2O, 500 Acid, 10,000 # 80-100 Sand
45,000 # 20-40 Sand , and 470,000 SCF N2

Perf- 2700-2748 12 .39 Holes
2597-2604 4 .39 holes
Fraced using - 630 bbls h2o, 10,000 # 80-100 Sand , 30,000 # 20-40 Sand
750 gals Acid and 70,000 SCF 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
Clay	R.R.	soft	0	7	
Sand	Gray	hard	7	42	
Shale & Sand	"	med.	42	570	
Coal	Black	soft	570	574	
Sand & Shale	Gray	"	574	600	
Coal	Black	"	600	604	
Sand & Shale	Gray	"	604	1908	
Big Lime	"	hard	1908	1962	
Big Inj.	"	med.	1962	2046	
Shale	"	soft	2046	2074	
Sq. Sand	Gray	med.	2074	2090	
Shale & Sand	"	soft	2090	2518	
Sand	"	med.	2518	2564	
Shale	"	soft	2564	2594	
Sand	"	hard	2594	2605	
Sand & Shale	"	"	2605	2697	
50ft Sand	"	"	2697	2754	
Shale	"	soft	2754	2770	
Sand	"	med	2770	2792	
Shale & Sand	"	soft	2792	3491	
Speechy Sand	"	soft	3491	3538	
Shale	"	"	3538	3846	
Balltown	"	med	3846	3867	
Shale	"	Soft	3867	4112	
			4112	T.D.	

(Attach separate sheets as necessary)

Sheldon & Sheldon, Inc.
Well Operator
By: D. J. Sheldon
Date: 7-22-85

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)

RECEIVED

OCT 1 1 1985

DIVISION OF OIL & GAS
DEPT. OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date 07-26-85
Operator's
Well No. Lowther # 1 S-23
Farm Lowther
API No. 47 - 033 - 3218

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

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

LOCATION: Elevation: 1310 Watershed Little Rock Camp Run
District: Sardis County Harrison Quadrangle Wolf Summit

COMPANY Sheldon and Sheldon, Inc.
ADDRESS 901 W. Main ST. Suite 201
DESIGNATED AGENT David J. Sheldon
ADDRESS 118 Westwood Ave. BRPT, WV
SURFACE OWNER Robert Vincent
ADDRESS 890 East Ave. Shinnston, WV 26431
MINERAL RIGHTS OWNER Robert A. Lowther, Et Al
ADDRESS Middleborne, WV 26149
OIL AND GAS INSPECTOR FOR THIS WORK
Steve Casey ADDRESS Rt. 2 Box 232-D Jane Lew,
PERMIT ISSUED 5-13-85
DRILLING COMMENCED 7-1-85
DRILLING COMPLETED 7-5-85
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON N/A

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	1503	1503	360
7			
5 1/2			
4 1/2		3964	370
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Balltown Depth 3836 to 3870 feet
Depth of completed well 3964 feet Rotary x / Cable Tools
Water strata depth: Fresh 105.219 feet; Salt feet
Coal seam depths: 570, 600 Is coal being mined in the area?

OPEN FLOW DATA

Producing formation Balltown, Comingleed Pay zone depth 3838-3866 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 305 Mcf/d Final open flow show Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 525 psig (surface measurement) after 36 hours shut in
(If applicable due to multiple completion--)
Second producing formation Speechy, 5th, and Gorden Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow N/A Mcf/d Oil: Final open flow N/A Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

HARR
3218

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

RECEIVED

JUL 1 1 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-3218

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Sheldon + Sheldon</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>Levinist</u>	13			
Well No. <u>Lowther 1</u>	10			Size of _____
District <u>Sardis</u> County <u>Hamm.</u>	8 1/4			
Drilling commenced <u>7-1-85</u>	6 3/8			Depth set _____
Drilling completed <u>7-6</u> Total depth <u>4112</u>	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 <u>8 5/8</u> SIZE <u>1502</u> No. FT. <u>354</u> SK3. Date _____ NAME OF SERVICE COMPANY <u>Dowell</u>			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT <u>118</u> FEET <u>36</u> INCHES			
Fresh water <u>550</u> <u>600</u> <u>1000</u> feet _____ feet	<u>176</u> FEET <u>36</u> INCHES <u>306</u> FEET <u>48</u> INCHES			
Salt water _____ feet _____ feet	<u>594</u> FEET <u>72</u> INCHES _____ FEET _____ INCHES			

Drillers' Names Coastal 1

Remarks: TD 4112'

7-8-85
DATE

Steve Casey
DISTRICT WELL INSPECTOR



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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

COMPANY Sheldon + Sheldon

PERMIT NO 33-3218 (6-21-85)

FARM & WELL NO R. Vincent Lowther

DIST. & COUNTY Sardi's 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 Strength	<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 10-9-85

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. v. B.B.
Administrator-Oil & Gas Division

October 29, 1985
DATE

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

1.0 API Well number (If not assigned, leave blank. 14 digits.)	47 - 033 - 3218				
2.0 Type of determination being sought: (Use the codes found on the front of the form.)	103 Section of NGPA	Category Code JUL 30 1985			
3.0 Depth of the deepest completion location (Only needed if sections 103 or 107 in 2.0 above.)	3,866				
4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)	SHELDON AND SHELDON, INC. Name () W. Main St. Suite 201 Street Bridgeport, WV 26330 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:	Field Name Harrison 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.)	Lowther # 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:	Hope Gas Company Name Buyer Code Mo. Day Yr.				
(c) Estimated total annual production from the well:	_____ 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	_____	_____	_____	_____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	_____	_____	_____	_____
9.0 Person responsible for this application:	SHELDON AND SHELDON, INC. President Name Title Signature August 8, 1985 (304) 624-4296 Date Application is Completed Phone Number				

RECEIVED
 JUL 30 1985
 OIL & GAS DIVISION
 DEPT. OF MINES

STATE OF WEST VIRGINIA

AUG 15 1985

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 07-26, 19 85

44675

AGENCY USE ONLY

Applicant's Name: Sheldon and Sheldon, Inc.

Address: 901 W. Main St. Suite 201
Bridgeport, WV 26330

Gas Purchaser Contract No. 9021

Date of Contract March 4, 1985
(Month, day and year)

First Purchaser: Hope Natural Gas Co. *P637*

Address: P.O. Box 2868
(Street or P.O. Box)
Clarksburg, WV 26302-2868
(City) (State) (Zip Code)

FERC Seller Code 103

WELL DETERMINATION FILE NUMBER
850730-1030-033-3218
Use Above File Number on all
Communications Relating to This Well

Designated Agent: David J. Sheldon

Address: 118 Westwood Ave
Bridgeport, WV 26330

FERC Buyer Code _____

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

Name: David J. Sheldon (Print) _____ President (Title)

Signature: *David J. Sheldon*

Address: 901 W. Main St. Suite 201
(Street or P.O. Box)
Bridgeport, WV 26330
(City) (State) (Zip Code)

Telephone: 304 624-4296
(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
- 07 High Cost Natural Gas
 - 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressured Brine
 - 107-2 Coal Seams
 - 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
JUL 30 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

te Received

Determination Date _____

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

Date 07-26 19 85

Operator's Well No. Lowther # 1 (S-23)

API Well No. 47 - 033 - 3218
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT David J. Sheldon

ADDRESS 118 Westwood Ave.
Bridgeport, WV 26330

WELL OPERATOR Sheldon and Sheldon,
ADDRESS 901 W. Main St. Suite 201
Bridgeport, WV 26330

LOCATION: Elevation 1310'

Watershed Little Rock Camp Run

GAS PURCHASER Hope Natural Gas Co.
ADDRESS P.O. Box 2868
Clarksburg, WV 26302-2868

Dist. Sardis County Harrison Quad. Wolf Summit

Gas Purchase Contract No. 9021

Meter Chart Code Pending

Date of Contract March 4, 1985

* * * * *

Date surface drilling was begun: 7-1-85

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

P1 = 525	X = .75 X 3838 = 2878.5 = .106
L = 3838	53.34 X 510 = 27203.4
G = .75	
T = 510	X = .106 = 1.1052

B.H.P. = 525 X 1.1052 = 580

B.H.P. = 580 P.S.I.

AFFIDAVIT

I, David J. Sheldon, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

STATE OF WEST VIRGINIA,
COUNTY OF HARRISON, TO WIT:

I, Sheila R. McEldowney Notary Public in and for the state and county aforesaid, do certify that David J. Sheldon, whose name is signed to the writing above, bearing date the 26th day of July, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 26th day of July, 19 85.

My term of office expires on the 30th day of October, 19 90.



Sheila R. McEldowney
Notary Public
Commissioned as Sheila R. Kidd

MN 6-21-85

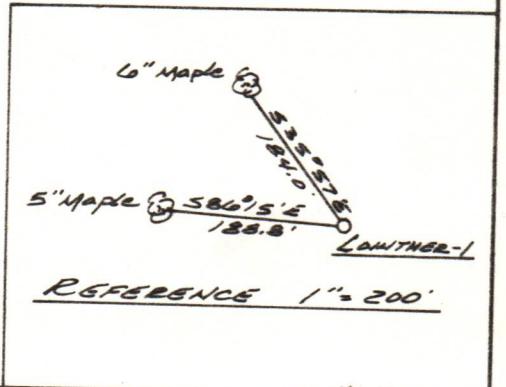
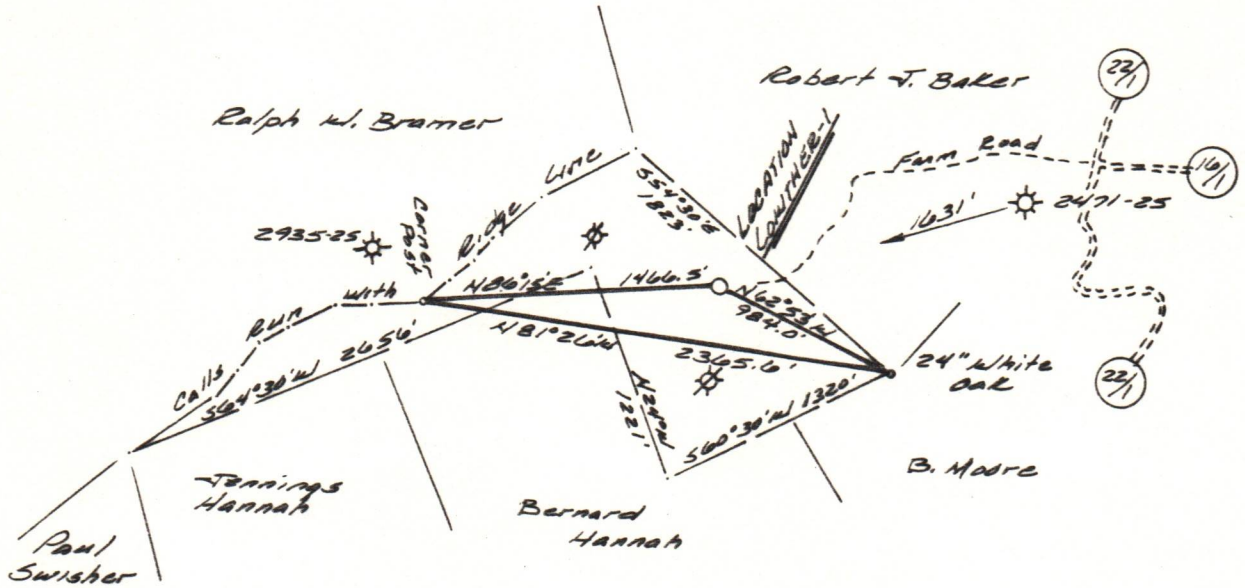
9,525'

LATITUDE 39°22'30"

LONGITUDE 80°25'00"

Topo 7.5'

NORTH

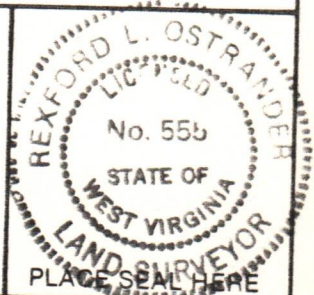


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 666.01
 DRAWING NO. 85-6
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Spot Elev. 1562' S.E. of Location

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.

(SIGNED) Rexford L. Ostrander
 R.P.E. _____ L.L.S. 555
Buckhannon, WV



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE 8 April, 19 85
 OPERATOR'S WELL NO. LOWTHER-1
 API WELL NO.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1310' WATERSHED Little Rockcamp Run
 DISTRICT Sardis COUNTY Harrison
 QUADRANGLE Wolf Summit

SURFACE OWNER Robert Vincent and Others ACREAGE 45
 OIL & GAS ROYALTY OWNER Robert A. Lowther and Others LEASE ACREAGE 45
 LEASE NO. _____

PROPOSED WORK: DRILL 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 _____ ESTIMATED DEPTH _____
 WELL OPERATOR Sheldon & Sheldon, Inc. DESIGNATED AGENT David J. Sheldon
 ADDRESS 118 Westwood Ave. Bridgeport, WV 26330 ADDRESS 118 Westwood Ave. Bridgeport, WV 26330

COUNTY NAME PERMIT