

RECEIVED

MAR 15 1985



1) Date: March 13, 19 85
2) Operator's Well No. Harbert No. 1
3) API Well No. 47 - 033 - 3174
State County Permit

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

OIL & GAS DIVISION
DEPT. OF MINES

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas X / B (If "Gas", Production X / Underground storage / Deep X / Shallow /)
5) LOCATION: Elevation: 1268 Watershed: Little Run District: Eagle County: Harrison Quadrangle: Wallace
6) WELL OPERATOR Sheldon & Sheldon, Inc. Address 901 W. Main St., Suite 201 Bridgeport, WV 26330
7) DESIGNATED AGENT David J. Sheldon Address Same
8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Steve Casey Address Rt. 2, Box 232D Jane Lew, WV 26378
9) DRILLING CONTRACTOR: Name Unknown Address
10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X / Plug off old formation / Perforate new formation X / Other physical change in well (specify)
11) GEOLOGICAL TARGET FORMATION, Berson
12) Estimated depth of completed well, 5000 feet
13) Approximate trata depths: Fresh, 80', 120" feet; salt, N/A feet.
14) Approximate coal seam depths: 210 Is coal being mined in the area? Yes / No X

15) CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft., New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom)

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-3174 Date March 14, 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.

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 March 14, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Table with columns: Bond, Agent, Plat, Casing, Fee. Values: 139, MW, MW, MW, 2497

Margaret J. Hesse
Administrator, Office of Oil and Gas

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

File





RECEIVED  
MAR 15

STATE OF WEST VIRGINIA

OFFICE USE ONLY

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

1) WELL LOCATION: District: \_\_\_\_\_ County: \_\_\_\_\_ Township: \_\_\_\_\_

2) WELL OPERATOR: Name: \_\_\_\_\_ Address: \_\_\_\_\_

3) DRILLING CONTRACTOR: Name: \_\_\_\_\_ Address: \_\_\_\_\_

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

5) PROPOSED WELL WORK: Drill \_\_\_\_\_ (Dill) \_\_\_\_\_ (Dill) \_\_\_\_\_ (Dill) \_\_\_\_\_ (Dill)

6) GEOLGICAL TARGET FORMATION: \_\_\_\_\_

7) ESTIMATED DEPTH OF COMPLETE WELL: \_\_\_\_\_

8) APPROXIMATE DEPTH OF FORMATION: \_\_\_\_\_

9) APPROXIMATE LOCAL SEAM DEPTHS: \_\_\_\_\_

10) CASING AND TUBING PROGRAM: \_\_\_\_\_

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: \_\_\_\_\_

Reason: \_\_\_\_\_

Bound:	Agent:	Plan:	Casing:	Fee:
1891	10/17/14	10/17/14	10/17/14	10/17/14





1) Date: March 13, 19 85  
 2) Operator's Well No. Harbert No. 1  
 3) API Well No. 47 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

**RECEIVED**  
 MAR 15 1985

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 X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep X / Shallow \_\_\_\_\_ /)
- 5) LOCATION: Elevation: 1268 Watershed: Little Run  
 District: Eagle County: Harrison Quadrangle: Wallace
- 6) WELL OPERATOR Sheldon & Sheldon, Inc. 7) DESIGNATED AGENT David J. Sheldon  
 Address 001 W. Main St., Suite 201 Address Same  
Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Steve Casey Name Unknown  
 Address Rt. 2, Box 232D Address \_\_\_\_\_  
Jane Lew, WV 26378
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate X /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation X /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 5000 feet
- 13) Approximate trata depths: Fresh, 80', 120' feet; salt, N/A feet.
- 14) Approximate coal seam depths: 210 Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

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>113/4</u>	<u>H44</u>	<u>42</u>		<u>X</u>	<u>30</u>	<u>0</u>		Kinds	
Fresh water									Sizes	
Coal									Sizes	
Intermediate	<u>8 5/8</u>	<u>J55</u>	<u>23</u>	<u>X</u>		<u>1368</u>	<u>1368</u>	<u>to surface</u>	<u>Neat</u>	
Production	<u>4 1/2</u>	<u>J55</u>	<u>10.5</u>	<u>X</u>		<u>4900</u>	<u>4900</u>	<u>275 sks.</u>	<u>Depths set or as req. by rule 15.01</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.)

(For execution by natural persons)

NAME: \_\_\_\_\_  
 By \_\_\_\_\_  
 Its \_\_\_\_\_ Date \_\_\_\_\_

Ellen J. Harbert  
 (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.



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.

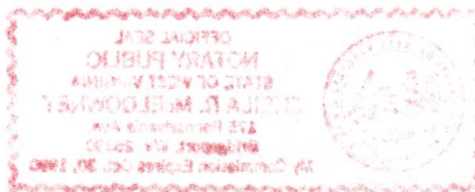
I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)

I N L I E U O F F I L I N G L E A S E ( S ) A N D O T H E R C O N T I N U I N G C O N T R A C T ( 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	
Ellen V. Harbert, et.al.	Sheldon & Sheldon, Inc.	1/8th	DE1146,	
			P.199	





1) Date: March 13, 1985  
2) Operator's  
Well No. Harbert #1  
3) API Well No. 47-033-3174  
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 Ellen V. Harbert, et. al.

Address Rt. 1 Box 45  
Lumberport, WV 26386

(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 G. Sheldon  
this 31 day of March

My commission expires 3-31-90

Sheila R. McDowney  
Notary Public, Harrison County  
State of West Virginia



COMMISSIONED AS SHEILA R. KIDD

WELL

OPERATOR SHELDON AND SHELDON, INC.

By David G. Sheldon  
Its President

Address 901 W. Main Street, Suite 201  
Bridgeport, WV 26330

Telephone \_\_\_\_\_

DEPT. OF MINES  
OIL & GAS DIVISION

MAR 15 1985

RECEIVED



ATTACH OR PHOTOCOPY SECTION OF  
INVOLVED TOPOGRAPHIC MAP.  
QUADRANGLE Wallace

LEGEND

Well Site ⊕

Access Road ———



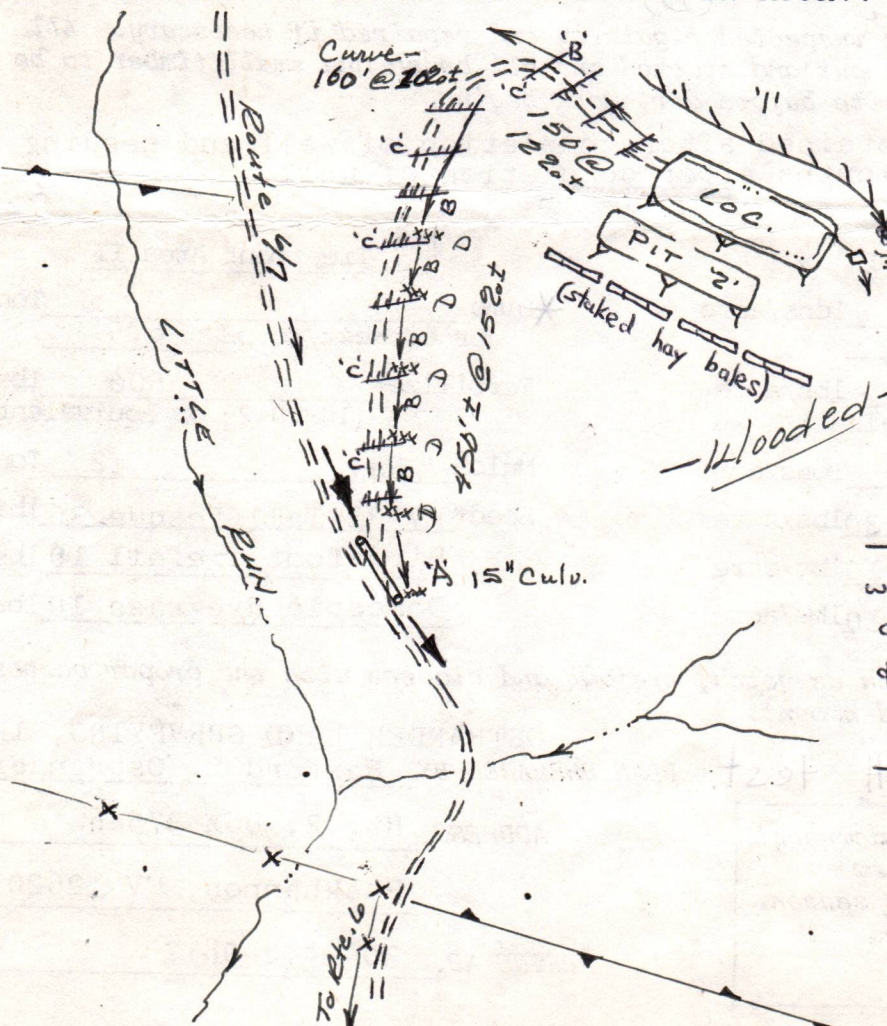
WELL SITE PLAN

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	——▲——▲——▲——▲——	Water Velocity Barrier	→ * →
Road	== == == == ==	Diversion	//////
Existing fence	—x—x—x—x—	Spring	○ →
Planned fence	—/—/—/—/—	Wet spot	♂
Stream	~ ~ ~ ~ ~	Building	■
Open ditch	→ → → → →	Drain pipe	○ → ○ → ○ →
		Waterway	⇄ ⇄ ⇄ ⇄

- All Topsoil to be stockpiled for reclamation work.
- ALL CUTS TO BE ON A 2:1 SLOPE UNLESS IN ROCK..



- Natural vegetation (filter strip) will remain undisturbed in areas between construction & natural water courses.
- Place staked hay bales in ditch line for sediment control.





RECEIVED

IV-9 (Rev 8-81)

MAR 15 1985

DATE Feb. 26<sup>th</sup> 1985

WELL NO. L. C. Herbert-1

API NO. 47-033-3174

State of West Virginia

OIL & GAS DIVISION DEPT. OF MINES

Department of Mines Oil and Gas Division

Rec'd. (WFSCD) CONSTRUCTION AND RECLAMATION PLAN FEB 27 1985

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

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

LANDOWNER Lankford C. Herbert

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: 3/14/85 (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.

ACCESS ROAD

LOCATION

Structure Culverts (accord. to OAG 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 (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 5%-135' 15%-60' Spacing 10%-80' 20%-45' with riprapped outlet Page Ref. Manual 2-4

Structure Sediment trap (3) Material Soil Page Ref. Manual -----

Water Velocity Barrier (D)

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 30lbs/acre Birdsfoot Trefoil 10lbs/acre Domestic Ryegrass 10lbs/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 30lbs/acre Birdsfoot Trefoil 10lbs/acre Domestic Ryegrass 10lbs/acre

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

\*Lime according to pH test.

OSTRANDER LAND SURVEYING, INC. PLAN PREPARED BY Rexford L. Ostrander

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.  
 Benson- perforated 4800' to 4854' - 12 holes.  
 Fraced using 456 bbls. H2O, 1000 gals. acid, 25,000 # 20-40 sand, and  
 450,000 scf N2.

Balltown-perforated 3762-84 - 10 holes.  
 Fraced using 187 bbls. water, 30,000 # 20-40 sand, 1000 gals. acid,  
 and 201,000 scf N2.

Speechly- perforated 3461-89 - 13 holes.  
 Fraced using 191 bbls. water, 30,000# 20-40 sand, 500 gals. acid,  
 and 315,000 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 ga
	0	5	
Clay, red, soft	5	77	Fresh water 40', 1"
Sand & shale, gray, med.	77	90	Fresh water 90', 1 1/2"
Red rock, red, soft	90	170	
Shale & sand, gray, med.	170	190	
Red Rock, red, soft	190	244	
Shale, gray, soft	244	262	
Sand, gray, hard	262	265	
Coal, black, soft	265	340	
Sand, Gray, hard	340	342	
Coal, black, soft	342	520	
Sand & Shale, gray, soft to hard	520	527	
Red rock, red, soft to hard	527	783	
shale & sand, gray, soft to hard	783	792	
Red rock, red, soft to hard	792	1330	
Shale & sand, gray, soft to hard	1300	1333	
Coal, black, soft	1333	1781	
Shale & sand, gray, soft to hard	1781	1829	
Big Lime, gray, soft to hard	1829	1988	
Big Injun, gray, soft to hard	1988	2424	
Shale & Sand, gray, soft	2424	2472	Gordon
Sand, gray, hard	2472	2505	
Shale, gray, soft	2505	2677	
Shale & Sand, gray, soft to hard	2677	2710	5th Sand
Sand, gray, hard	2710	3460	
Shale & Sand, gray, soft	3460	3489	Speechly
Shale & sand, gray, hard to soft	3489	3760	
Shale, gray, soft	3760	3800	Balltown
Shale & Sand, gray, soft	3800	4800	
Shale, gray, soft	4800	4854	Benson
Shale, gray, soft	4854	4677	
		4977	TD

(Attach separate sheets as necessary)

SHELDON AND SHELDON, INC.  
 Well Operator

By: *Sheldon*  
 Date: April 11, 1985

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

APR 15 1985



OIL & GAS DIVISION  
DEPT. OF MINES  
State of West Virginia  
Department of Mines  
Oil and Gas Division

Date April 11, 1985  
Operator's Well No. Harbert #1  
Farm Ellen V. Harbert, et.al.  
API No. 47 - 033 - 3174

WELL OPERATOR'S REPORT  
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: 1268' Watershed Little Run  
District: Eagle County Harrison Quadrangle Wallace

COMPANY SHELDON AND SHELDON, INC.  
ADDRESS 901 W.Main St., Suite 201, Bridgeport, WV  
DESIGNATED AGENT David J. Sheldon  
ADDRESS (Same)  
SURFACE OWNER Ellen V. Harbert et.al.  
ADDRESS Rt. 1, Box 45, Lumberport, WV 26386  
MINERAL RIGHTS OWNER Ellen V. Harbert, et.al.  
ADDRESS (Same)  
OIL AND GAS INSPECTOR FOR THIS WORK Steve Casey  
ADDRESS Rt.2, Box 232D, Jane Lew, WV  
PERMIT ISSUED March 14, 1985  
DRILLING COMMENCED March 19, 1985  
DRILLING COMPLETED March 26, 1985  
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 11-Cond. 3/4	20	0	0
13-10"			
9 5/8			
8 5/8	1441	1441	400 sks.
7			
5 1/2			
4 1/2		4894	650 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 4797 to 4854 feet  
Depth of completed well 4977 feet Rotary  / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 40, 90 feet; Salt \_\_\_\_\_ feet  
Coal seam depths: 262, 340, 1330 Is coal being mined in the area? no.

OPEN FLOW DATA  
Producing formation Benson, Balltown, Lower Speckly Pay zone depth 4797, 3760, 3422 feet  
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 1,100 Mcf/d Oil: Final open flow 0 Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure 1400 psig (surface measurement) after 72 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ 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

(Continue on reverse side)

HARR 3174



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

RECEIVED

MAR 25 1985

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 33-3174

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Sheldon + Sheldon

Address \_\_\_\_\_

Farm Harbert

Well No. 1

District Cagle County Harr.

Drilling commenced 3-18-85

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 40 feet 90 feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Drillers' Names Coastal 2

Remarks: depth 1161' rig stopped, soapy fluid coming out across small hill appx. 800' from rig. Digging pit there, hope to set 8 5/8 at 1660'

3-21-85  
DATE

Steve Casey  
DISTRICT WELL INSPECTOR

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 262 FEET 36 INCHES

340 FEET 24 INCHES FEET \_\_\_\_\_ INCHES

FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES







RECEIVED

MAR 27 1985

OIL & GAS DIVISION  
DEPT. OF MINES

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

INSPECTOR'S WELL REPORT

Permit No. 33-3174

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Sheldon + Sheldon</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Harbert</u>	16			Kind of Packer _____
Well No. <u>1</u>	13			
District <u>Cagle</u> County <u>Harr.</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			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 Coastal 2

Remarks: 8 5/8 1441' 400 SF. BJH

3-22-85  
DATE

Steve Casey  
DISTRICT WELL INSPECTOR







STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OFFICE OF OIL AND GAS  
 CHARLESTON 25305  
 FINAL INSPECTION REPORT  
 INSPECTORS COMPLIANCE REPORT

Company: SHELDON & SHELDON  
 Farm: HARBERT, ELLEN V., ETAL Well: HARBERT 1

Permit No. 47- 33-3174 (3-14-85)  
 County: HARRISON

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	-----	-----
25.04	Prepared before drilling to prevent waste	-----	-----
25.03	High pressure drilling	-----	-----
16.01	Required permits at wellsite	-----	-----
15.03	Adequate Fresh Water Casings	-----	-----
15.02	Adequate Coal Casings	-----	-----
15.01	Adequate Production Casings	-----	-----
15.04	Adequate Cement Strength	-----	-----
15.05	Cement Type	-----	-----
23.02	Maintained Access Roads	-----	-----
25.01	Necessary Equipment to Prevent Waste	-----	-----
23.04	Reclaimed Drilling Pits	-----	-----
23.05	No Surface or Underground Pollution	-----	-----
23.07	Requirements for Production & Gathering Pipelines	-----	-----
16.01	Well Records on Site	-----	-----
16.02	Well Records Filed	-----	-----
05	Identification Markings	-----	-----

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.

Administrator

October 22, 1985

Date

TMS/nw

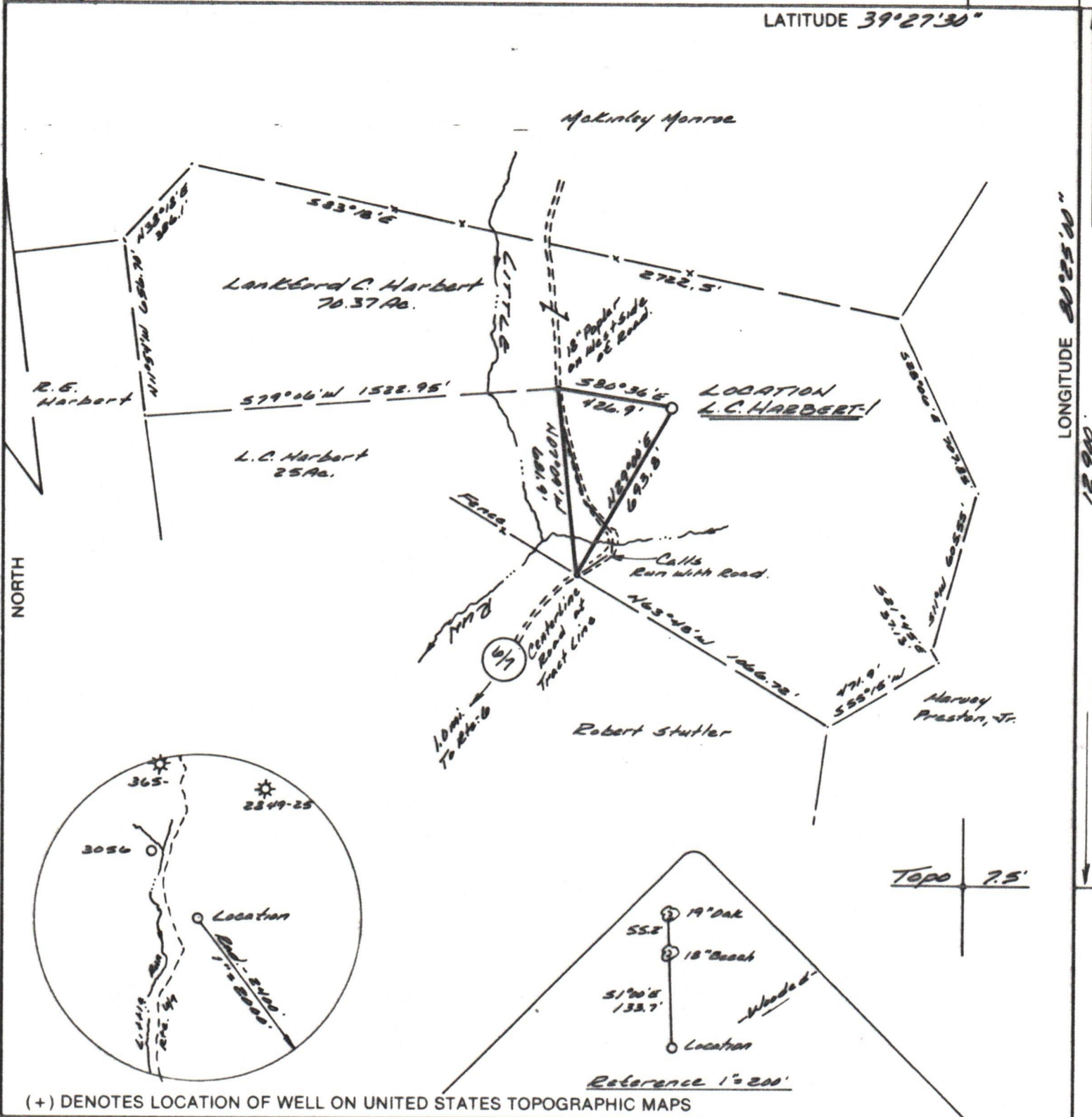


111N 3-15-85

1,650'

LATITUDE 39°27'30"

LONGITUDE 80°25'W



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

FILE NO. 666.01  
 DRAWING NO. 85-4  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION BM-1048'  
South 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) Edward J. Ostrowski  
 R.P.E. \_\_\_\_\_ L.L.S. 555  
Buckhannon, WV

PLACE SEAL HERE

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



DATE Feb. 27, 19 85  
 OPERATOR'S WELL NO. L.C. Harbert-1  
 API WELL NO.

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

LOCATION: ELEVATION 1268' WATER SHED Little Run  
 DISTRICT Eagle COUNTY Harrison

QUADRANGLE Wallace  
 SURFACE OWNER Lankford C. Harbert & others ACREAGE 70.37  
 OIL & GAS ROYALTY OWNER L.C. Harbert & others LEASE ACREAGE 70.37

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 Benson ESTIMATED DEPTH 5000'  
 WELL OPERATOR Sheldon & Sheldon DESIGNATED AGENT David J. Sheldon  
 ADDRESS 118 Westwood Ave. ADDRESS 118 Westwood Ave.  
Bridgeport, WV 26330 Bridgeport WV 26330

FORM IV-6 (8-78)

COUNTY NAME PERMIT