



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS MANAGEMENT

DEP USE ONLY	
Auth. No. <b>1268964</b>	U.S. Well

## NOTICE OF INTENTION BY WELL OPERATOR TO PLUG A WELL

<input checked="" type="checkbox"/> Well Operator	<input type="checkbox"/> Coal Operator	OGO No. 141142	U.S. Well No. (Permit / Reg) 37-051-21273 ✓	Date Drilled (If known) 04/30/01
Name Range Resources -Appalachia, LLC ✓		Well Farm Name Oliver ✓		
Address 3000 Town Center BLVD		Telephone No. 724)743-6700	Well No. 1 ✓	Well Serial No.
City Cannonsburg	State PA	Zip Code 15317	County Fayette ✓	
<input type="checkbox"/> Agent (contractor) acting on behalf of the operator named above.		Municipality Lower Tyrone ✓		
Address		Telephone No.	Latitude (DD) 40.0817 ✓	Longitude (DD) - 79.6643 ✓
City	State	Zip Code	Attach well record if not previously submitted.	

**Complete this section if applicable.** Prior to abandoning any well in an area underlain by a workable coal seam, the well operator or owner shall notify the coal operator, lessee, or owner of the intention to plug and abandon the well, and shall submit a plat showing the location and affix the date and time at which the work of plugging will commence.

Coal: <input type="checkbox"/> Operator <input type="checkbox"/> Owner <input type="checkbox"/> Lessee	Coal: <input type="checkbox"/> Operator <input type="checkbox"/> Owner <input type="checkbox"/> Lessee	Coal: <input type="checkbox"/> Operator <input type="checkbox"/> Owner <input type="checkbox"/> Lessee
Name N/A ✓	Name N/A	Name N/A
Address	Address	Address
City, State, Zip Code	City, State, Zip Code	City, State, Zip Code
Telephone No.	Telephone No.	Telephone No.
Notified? <input type="checkbox"/> Yes <input type="checkbox"/> No	Notified? <input type="checkbox"/> Yes <input type="checkbox"/> No	Notified? <input type="checkbox"/> Yes <input type="checkbox"/> No
This Party hereby waives the rights to be notified of the date and time before plugging work will begin and to be present at the plugging of this well. Signature:	This Party hereby waives the rights to be notified of the date and time before plugging work will begin and to be present at the plugging of this well. Signature:	This Party hereby waives the rights to be notified of the date and time before plugging work will begin and to be present at the plugging of this well. Signature:

**Scheduled Date and Time of Plugging** Plugging is scheduled to begin on (date) **04-22-19** at (time) 8:00 am

<b>Checklist and Additional Attached Information</b>	<b>Signature of Applicant (Operator or Agent)</b>
<input checked="" type="checkbox"/> Location Plat <input checked="" type="checkbox"/> Current Well Record <input checked="" type="checkbox"/> Available Well Record <input type="checkbox"/> Application for Approval of Alternate Method of Plugging <input type="checkbox"/> Mine - Through <input type="checkbox"/> Other, describe:	Signature  Date <b>04-9-19</b> Print or Type Signer's Name and Title Kyle Thomas, Area Completion Supervisor

DEP USE ONLY	
If this well has not been permitted or registered previously, DEP hereby assigns this identification number to the well location described in this notice:  Identification No. _____ Date _____ Please refer to this number in all future correspondence.	Notice acknowledged by _____ Date _____ DEP Rep (Signature) (Print Name) <b>David McDermott</b>
	Geologist _____ Date _____

Send a copy of this notice to the applicant and the DEP inspectors.

☐ Applicant ☐ Oil and Gas Inspector ☐ Mine Inspector





# GEO COPY

5500-PM-000002 Rev 3/97



COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Oil and Gas Management Program

## WELL LOCATION PLAT

DEP USE ONLY	DEP Application Tracking #	INC-349081	G5K3 3/8/01 Cdt
	Permit #	37-051-21,273-00	
	Project #		

Well is located on topo map 575 TOPO MARK 40° 05' 00" feet south of latitude

Denotes Location of well on topo map

True Latitude NORTH

40° 04' 54.32"

True Longitude WEST

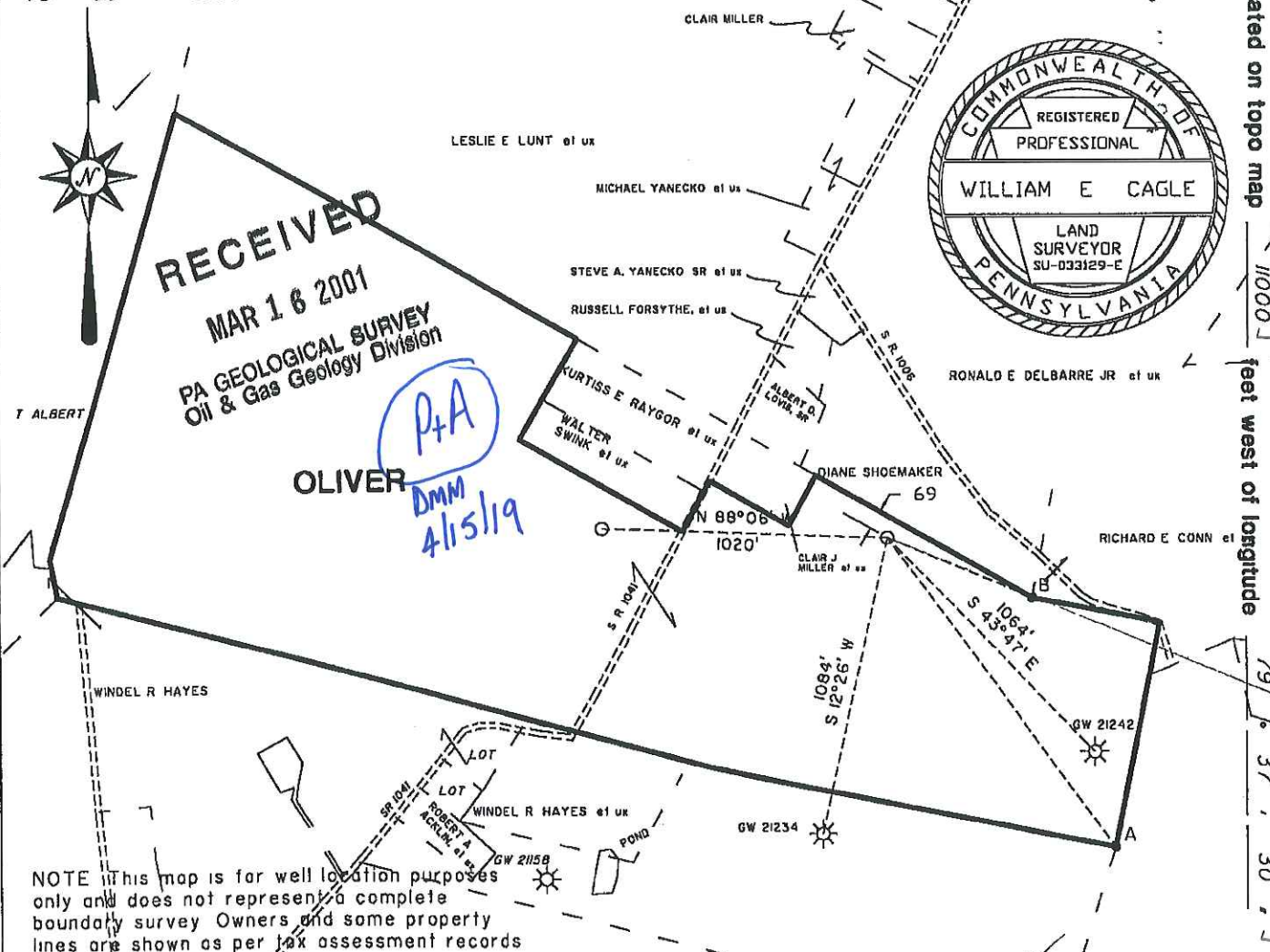
79° 39' 51.56"

LOC - A S 36°-05' E - 1372.71'

LOC - B S 67°-05' E - 560.18'

A - B S 18°-11' E - 938.05'

A &amp; B = PROPERTY CORNERS

Surveyor on William E. Cagle  
Engineer SU - 033129-EDWG # BK 133 PG 56  
E OLIVER-IDWG

Date 2/07/91

Scale " = 600 FEET Tract N/A  
Acreage 104.90Applicant / Well Operator Name  
GREAT LAKES ENERGY PARTNERS, L.L.C. DEP ID# 141142Address  
P. O. BOX 235 YATESBORO, PA. 16263Surface Landowner  
EUGENE OLIVER, et uxSurface Lessor  
N/ASurface Owner or Water Purveyor  
with a Water Supply within 1000 ft. Approximate Course and  
Distance to Water Supply

(SEE ATTACHED SHEET)

Well (Farm) Name  
OLIVERCounty - Code  
FAYETTE-26USGS 7 1/2 Quadrangle Map Name  
DAWSON 1808

Angle &amp; Course of Deviation (Drilling)

0

Owner, Lessee, or Operator of  
Workable Coal Seam

NO WORKABLE COAL SEAMS

Well #  
Serial #  
N/AMunicipality  
LOWER TYRONE TWP 4921Map Section  
6Surface Elevation  
1132 ft.Anticipated Total Depth  
4000 ft.Name of Coal Seam  
Owned, Leased, or Operated

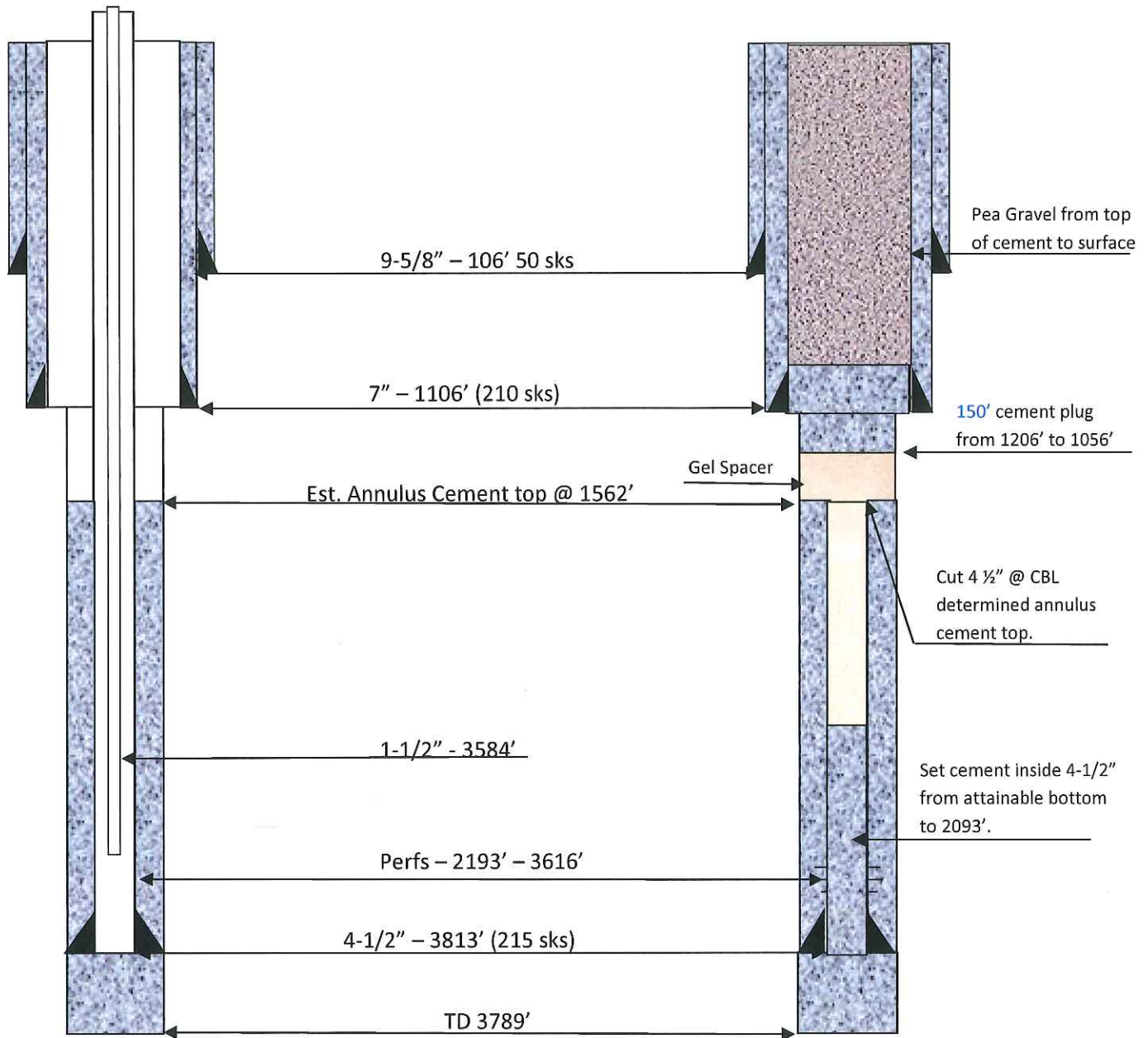


Well Name Oliver #1

Permit 37-051-21273

Current Well Bore

Proposed P&A



REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

January 18, 2019



Pennsylvania Department of Environmental Protection  
Southwest Regional Office  
Bureau of Oil & Gas Management  
400 Waterfront Drive  
Pittsburgh, PA 15222

RE: Oliver 1

To Whom It May Concern:

Mineral Resource Report #68 (MRR #68) has been reviewed for the presence or absence of workable coal seams.

The well location(s) have been plotted on a section of each Plate with results listed below. Upon examination of these potted maps, the well(s) clearly fall outside the workable coal seam area.

MAP	COAL SEAMS	SEAM STATUS
Plate 1	Upper Mercer	Inferred
Plate 2	Brookville	Inferred
Plate 3	Clarion	Inferred
Plate 4	Lower Kittanning	Inferred
Plate 5	Middle Kittanning	Inferred
Plate 6	Upper Kittanning	Inferred
Plate 7	Lower Freeport	Inferred
Plate 8	Upper Freeport	Inferred
Plate 9	Pittsburgh	None
Plate 10	Redstone	None
Plate 11	Sewickley	None
Plate 12	Waynesburg	None
Plate 13	Washington	None

If you have any questions, please contact me at 724.743.6100.

Respectfully,  
Range Resources-Appalachia, LLC

Al Vish  
Senior Staff Geological Technician  
avish@rangeresources.com





**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**Oil & Gas Management Program**

**WELL RECORD AND COMPLETION REPORT**

DEP USE ONLY	
Auth #	APS #
Site #	Facility #
FIX Client #	Sub-fac #

Well Operator Great Lakes Energy Partners, L.L.C.		DEP ID# 141142	Well API # (Permit / Reg) 37-051-21273	Project Number	Acres 104.9
Address P O Box 235, Route 85 and Northern Avenue			Well Farm Name Oliver	Well # 1	Serial #
City Yatesboro	State PA	Zip Code 16263	County Fayette	Municipality Lower Tyrone	
Phone 724-783-7144	Fax 724-783-7655	USGS 7.5 min. quadrangle map Dawson			

**WELL RECORD** Also complete Log of Formations on back (page 2)

<b>Well Type</b>	<input checked="" type="checkbox"/> Gas <input type="checkbox"/> Oil <input type="checkbox"/> Combination Oil & Gas <input type="checkbox"/> Injection <input type="checkbox"/> Storage <input type="checkbox"/> Disposal				
<b>Drilling Method</b>	<input checked="" type="checkbox"/> Rotary - Air <input type="checkbox"/> Rotary - Mud <input type="checkbox"/> Cable Tool				
Date Drilling Started 4/30/01	Date Drilling Completed 5/3/01	Surface Elevation 1132'	Total Depth - Driller 3789'	Total Depth - Logger 3785'	

Casing and Tubing					Cement returned on surface casing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cement returned on coal protective casing? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A				
Hole Size	Pipe Size	Wt.	Thread / Weld	Amount In Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type      Size      Depth		Date Run	
12-1/4	9-5/8	26	Thread	106.0'	Class A Cement, 50 sks	G. Shoe	9-5/8	106.0'	4/30/01
8-7/8	7	17	Thread	1106.0'	Class A Cement, 210 sks	Guide Shoe	7	1106.0'	5/1/01
6-1/4	4-1/2	11.6	Thread	3813.9'	TD 171, 150 sks	Float Shoe	4-1/2	3813.9'	5/3/01

**COMPLETION REPORT**

Perforation Record			Stimulation Record				
Date	Interval Perforated From      To		Date	Interval Treated	Fluid Type      Amount	Propping Agent Type      Amount	Average Injection Rate
5/8/01	3181'	3183'	5/9/01	3181' - 3183'	Gelled water 6193 gal	20-40 sand 5900#	14.9 bpm
5/9/01	3608'	3616'	5/9/01	3608' - 3616'	Gelled water 12934 gal	20/40 sand 17900#	22 bpm
5/9/01	2193'	2215'	5/9/01	2193' - 2215'	Gelled water 16914 gal	20/40 sand 26000#	21.1 bpm

Natural Open Flow NA	Natural Rock Pressure NA	Hours	Days
After Treatment Open Flow 189 MCFPD	After Treatment Rock Pressure 1.110 psi	Hours	Days
		72	

**Well Service Companies** -- Provide the name, address, and phone number of all well service companies involved.

Whipstock Natural Gas Serv., Inc., 150 Franklin Street, Route 286, Clymer, PA 15728 724-254-0500

Superior Well Services, P. O. Box 458, Black Lick, PA 15716 724-248-1001

## LOG OF FORMATIONS

Well API#: 37-051-21273

Formation Name	Top	Bottom	Gas at	Oil at	Water at (Fresh or Brine)	Source of Data
Clay & Shale	0	12				Drillers Log
Shale	12	21				
Sand & Shale	21	120				
Sand	120	130				
Shale	130	225				
Coal	225	232				
Shale	232	425				
Sand	425	495				
Coal	495	500				
Shale	500	543				
Coal	543	549				
Shale	549	800				
Red Rock	800	805				
Sand	805	845				
Red Rock	845	955				
Sand	955	1065				
Shale	1065	1295				
Sand & Shale	1295	1340				
Shale	1340	1585				
Red Rock	1585	1600				
Sand	1600	1615				
Sand & Shale	1615	1645				
Shale	1645	2680				
Red Rock	2680	2710				
Shale	2710	2910				
Sand	2910	2980				
Sand & Shale	2980	3170				
Shale	3170	3460				
Sand & Shale	3460	3520				
Shale	3520	3605				
Sand	3605	3620				
Shale	3620	3770				
Shale	3770	3789				
Total Depth	3789					

DEP  
SOUTHWEST REGION  
01 JUN 27 AM 11:53

Drillers ID

Well Operator's Signature:

*William A. Zagoroli* 6/18/01  
 Title: Vice President - Geology Date:

Reviewed by: *CSE* 3/15/02 Date:

Comments: