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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Friday, June 22, 2018  
WELL WORK PERMIT  
Vertical / Re-Work

EQUITRANS, L. P.  
625 LIBERTY AVE. SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 6207  
47-049-00281-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

A blue ink signature of James A. Martin, written in a cursive style.

Operator's Well Number: 6207  
Farm Name: CUNNINGHAM, C. H.  
U.S. WELL NUMBER: 47-049-00281-00-00  
Vertical Re-Work  
Date Issued: 6/22/2018

## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.



**CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13-3/8"			38'	38'	
Fresh Water	10-3/4			242'	242'	
Coal						
Intermediate	8-5/8"			1307'	1307'	27
Production	7"	J-55	20#	2071'	2071'	26
Tubing						
Liners						

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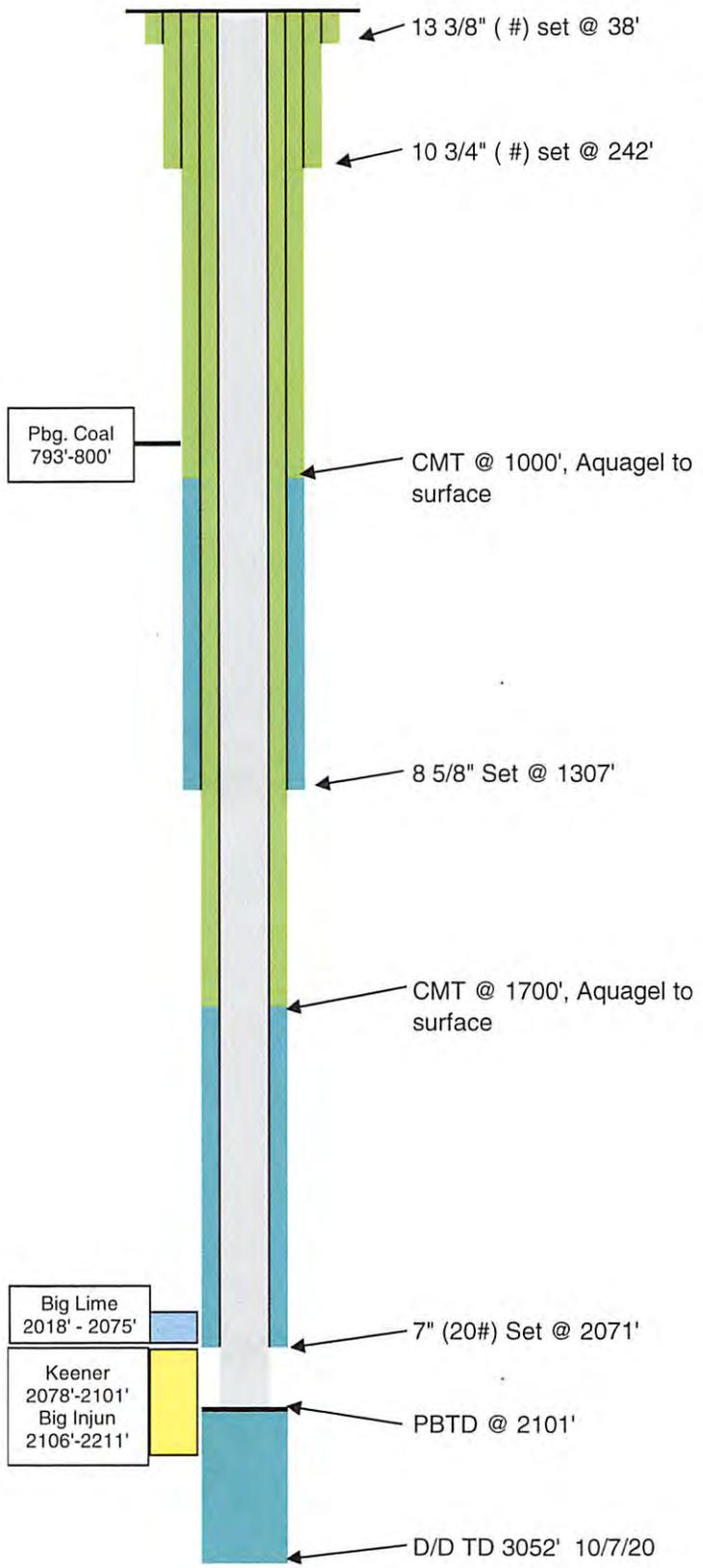
WV Department of  
Environmental Protection  
06/22/2018

# Well 6207 (I/W) *(Current)*

## Logansport Storage Field

Well Name: G.H. Cunningham / T. Shaw  
 API No.: 47-049-00281  
 Lease No.: 24795A / 24795B-1  
 Location: Mannington Dist., Marion Cc  
 Drilled: 10/8/19, TD @ 2747'  
 Drilled Deeper: 10/7/20, D/D TD 3052'  
 Storage: 7/22/66  
 Repaired & CO: 7/22/66, RDTD 3037'  
 PBTD 2101'

\* Presumed weights - exact weight unknown!



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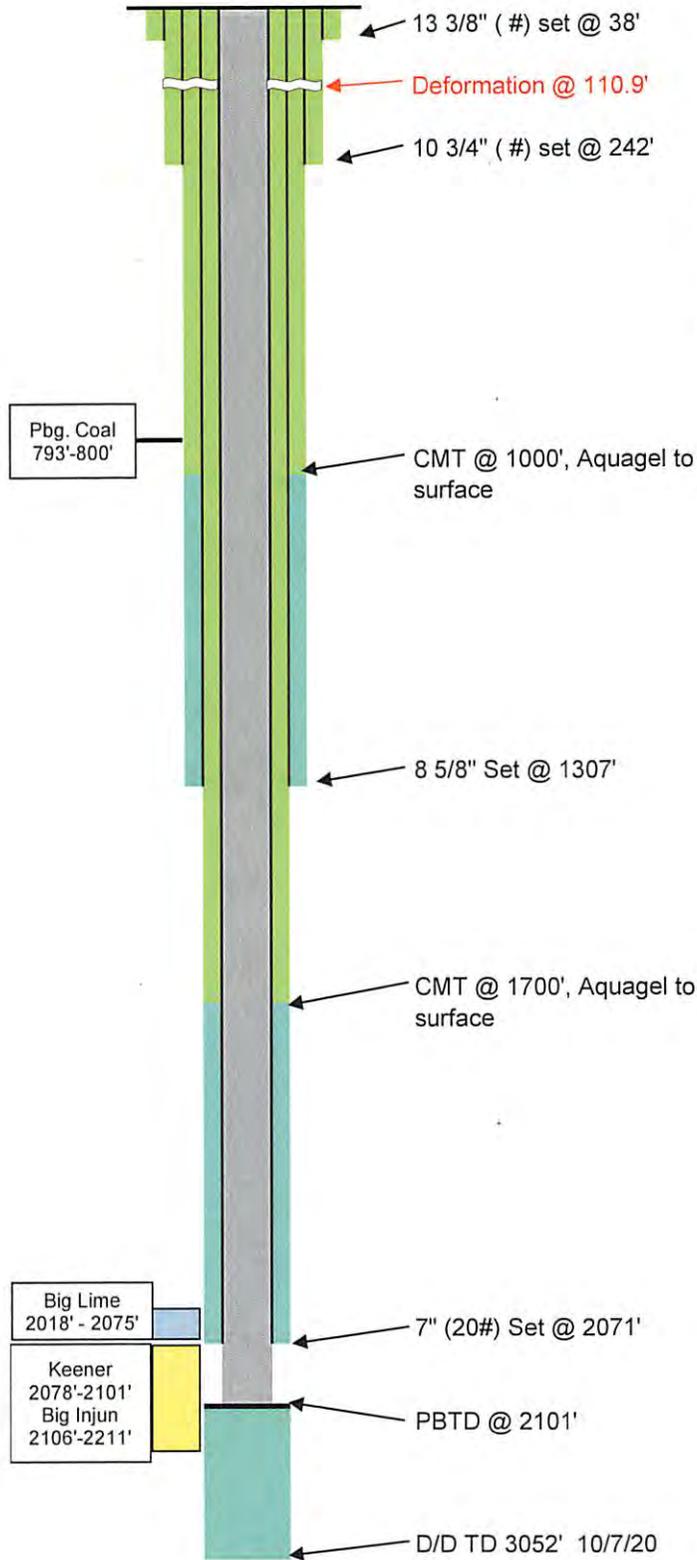
06/22/2018

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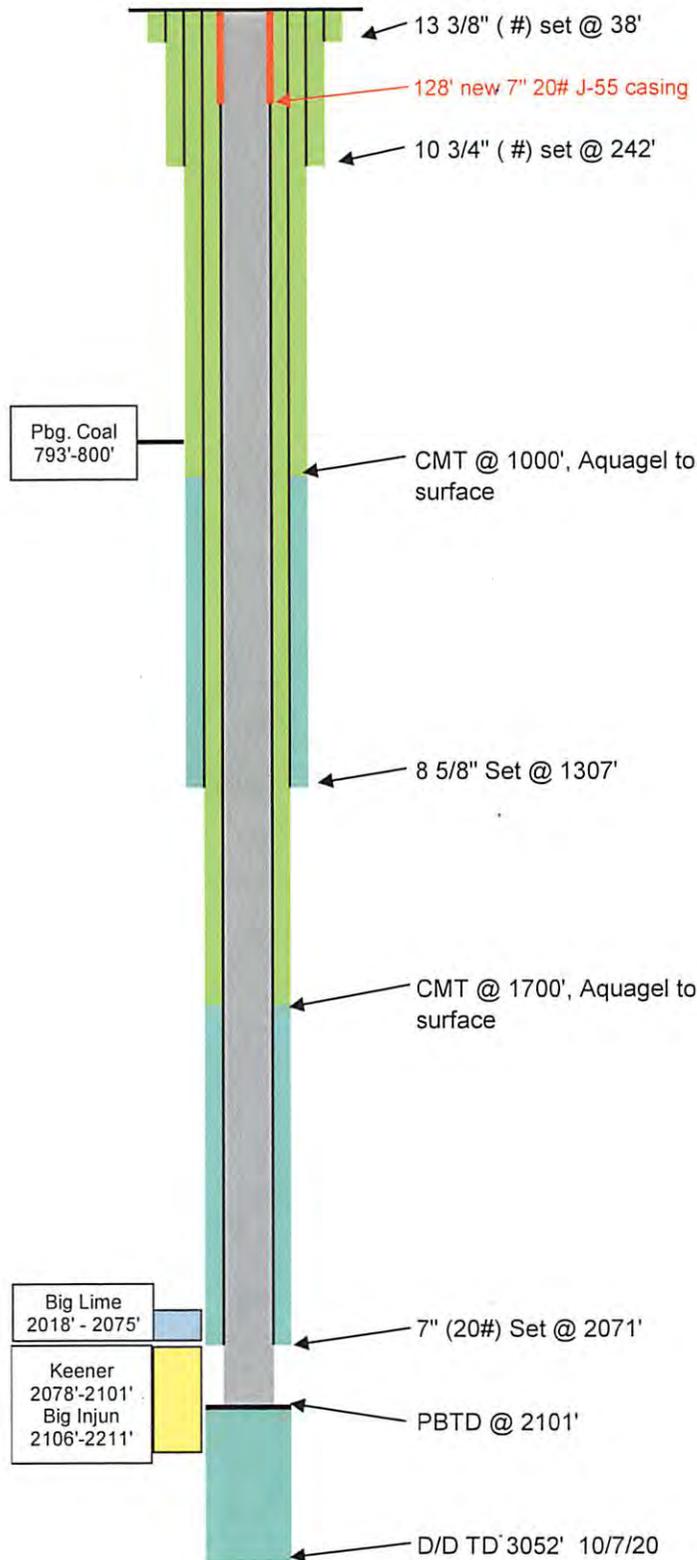
06/22/2018

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 PBSD 2101'

\* Presumed weights - exact weight unknown!



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47-049-00281W

G/S Well 6207  
R.D. 7-22-66

**W** **QUITABLE Gas SYSTEM** **W**

**INTERNAL CORRESPONDENCE**

West Virginia Division

**TO:** Mr. J. A. Flinn  
**FROM:** J. V. Goodman

**DATE:** August 23, 1966

**SUBJECT:** COMPLETION OF GAS STORAGE WELL NO. 6207

Well No. 6207, located on the Cunningham-Shaw property in Mannington District, Marion County, West Virginia, was completed July 22, 1966, at a total depth of 2,101 feet, as a gas storage well in the Logansport Gas Storage Pool.

This well was drilled under Construction Order No. 1772 and is located on Lease No. 24795A and B-1.

This lease covering 67 acres in classified as "Operated Gas Storage Property" by reason of storage well No. 6172 being located thereon.

J. V. GOODMAN  
J. V. Goodman

RDW:ADO

WELL BOOK	W
DEPLETION	W
ABANDONMENT	X
MONTHLY RPT	W
TUBING-CASING	X
RPT TO STATE	W
WELL CARD	W
ANNUAL OPL'G REPT	W
PRESSURE	X
ROYALTY	X
FADEU	X
LL	W

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Eqt. Gas # 6207

Form 00-10

OK  
WCP  
9-8-66



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Mannington SW 3.4

Permit No. MAR-281-R

WELL RECORD

Oil or Gas Well Gas Storage (KING)

Company <u>Equitable Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>120 Blvd. of Allies, Pittsburgh, Pa. 15219</u>	Size			Kind of Packer
Farm <u>C. H. Cunningham - T. Shaw</u> Acres <u>67</u>	16			
Location (waters) <u>Mannington SW 3.4</u>	13			
Well No. <u>6207</u> Elev. <u>1028</u>	10	<u>New Old</u>	<u>282</u>	<u>280</u>
District <u>Mannington</u> County <u>Marion</u>	8 1/4	<u>1307</u>	<u>1307</u>	Size of
The surface of tract is owned in fee by <u>C. H. Cunningham</u>	6 3/4	<u>2071</u>	<u>2071</u>	Depth set
Route <u>2</u> Address <u>Mannington, W. Va.</u>	5 3/16			
Mineral rights are owned by <u>Thelma Shaw et al</u>	4 1/2			
Box <u>308</u> Address <u>Fairmont, W. Va.</u>	3			Perf. top
Drilling commenced <u>4-6-65</u>	2			Perf. bottom
Drilling completed <u>7-22-66</u>	Liners Used			Perf. top
Date Shot From To				Perf. bottom
With	Attach copy of cementing record.			
Open Flow /10ths Water in Inch	CASING CEMENTED	SIZE	No. Ft.	Date
/10ths Merc. in Inch	Amount of cement used (bags)			
Volume Cu. Ft.	Name of Service Co.			
Rock Pressure lbs. hrs.	COAL WAS ENCOUNTERED AT			
Oil bbls., 1st 24 hrs.	FEET	INCHES	FEET	INCHES
WELL ACIDIZED (DETAILS)	FEET	INCHES	FEET	INCHES
WELL FRACTURED (DETAILS)	FEET	INCHES	FEET	INCHES
RESULT AFTER TREATMENT (Initial open Flow or bbls.)				
ROCK PRESSURE AFTER TREATMENT	HOURS			
Fresh Water Feet	Salt Water Feet			
Producing Sand	Depth			

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth	Remarks
Coal			271	279			Driller
Coal			355	360			"
Mapletown Coal			698	705			"
Pgh. Coal			793	800			"
L. Dunkard Sand			1158	1175			
B. Dunkard Sand			1216	1253			
Freeport Sand			1295	1315			
Freeport Sand			1325	1330			
Gas Sand			1423	1433			
Gas Sand			1505	1550			
Salt Sand			1610	1665			
Salt Sand			1760	1830			
Maxton Sand			1948	1992			
Little Lime			1996	2014			
Big Lime			2018	2075			
Big Injun Sand			2078	2211	Gas	2082	Driller Pay
50' Sand			2699	2740			
30' Sand			2780	2792			
Gordon Stray Sand			2805	2832			
Gordon Stray Sand			2848	2864			
Gordon Sand			2902	2924			
4th Sand			2936	2968			
5th Sand			2998	3006			
Redrilled to				3037			
Cement to				2101			
Completed Total Depth				2101			

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COMPLETION OF WELL REPORT  
FORM 039-10203

Equitable Gas - W. Va. Div.

COMPANY

DATE August 24, 1966

REPORT OF WELL NO. 6207 LESSOR Cunningham - Shaw

TOWNSHIP Hamlington COUNTY Marion STATE W. Va.

Re- DRILLING BEGAN 1-6-65 19 COMPLETED 7-22-1966

CASING AND TUBING DATA

	CONDUCTOR	13"	10"	8 1/2"	6 1/2"	5 1/2"	4"	3"	2"
		USED IN DRILLING		Rev- 242 Old- 38	1307	2071			
LEFT IN WELL		280	1307	2071					

PACKER DATA

CASING CEMENTED

OIL DATA

KIND	SIZE	SET AT	FROM		TO		INITIAL DAILY PROD.	PRODUCING SAND

OPEN FLOW VOLUME & PRESSURE DATA

DATE	READING	LIQUID	SIZE		MINUTES										R. P.	HRS.	VOLUME M. C. F.	PRODUCING SAND
			OPENING	TUBING	1/2	1	2	3	4	5	10	15	20	30				

FORMATIONS DRILLED THROUGH

FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT	FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT
<del>MAKERS TOWN</del> Coal	271	279	(Driller)			GORDON SAND (THIRD)	2902	2924			
<del>MAKERS TOWN</del> Coal	355	360	"			4TH "	2936	2968			
<del>MAKERS TOWN</del> Coal	698	705	"			4TH A "					
<del>MAKERS TOWN</del> Coal	793	800	"			5TH " (MCDONALD)	2998	3006			
MAKERS TOWN COAL						5TH A "					
L. DUNKARD SAND	1158	1175				DAYARD " (SIXTH)					
S. DUNKARD SAND	1216	1253				DAYARD STRAY SAND					
<del>REPORT</del>	1295	1330	(Br. 1315-25)			" " STR. SD.					
<del>REPORT</del>	1423	1550	(Br. 1433-1505)			ELIZABETH SAND					
<del>REPORT</del>	1610	1830	(Br. 1665-1760)			1ST WARREN SAND					
IRD " "											
MAXTON "	1948	1992				SPEECH, STRAY SAND					
LITTLE LIME	1996	2014				SPEECHLEY SAND					
PENCIL CAVE						TIGONA SAND					
BIG LIME (KEENER)	2018	2075				1ST BALLTOWN SAND					
BIG INJUN SAND	2078	2211	(2082-Driller)								
EQUAW "						SHEFFIELD "					
2ND GAS "						1ST BRADFORD " (BENSON)					
MURRYSVILLE SAND (BEREA)						KANE SAND					
UPPER SD' SAND											
QUANTZ (SD' SAND)	2699	2710				ELK SAND					
N' SAND (NINEVAN)	2780	2792				Cement to Redrilled to	2101	3037			
SHEK SAND											
GOR. STRAY SAND	2805	2864	(Br. 2832-48)			TOTAL DEPTH Driller	3052				10-7-20

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T.D.W. Department  
Environmental

REMARKS Log from Gamma Ray Survey except where noted. 8-1/4" casing cemented. 1307' to 1000'; Aquagel 1000' to surface. 6-5/8" casing cemented 2071' to 1700'. Aquagel 1700' to surface. Formerly Equitable Gas Outside Well No. 2856. Located in Logansport Gas Storage Pool area.

WP. OR IST.	FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT	FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT	CLASSIFICATION 6/5				
MANNINGTON	COAL	271	279	(Drilled)			DANTZ SAND	2699	2740				CASING AND TUBING DATA				
LOCATED 2-9-65	MAPLETON	698	705	(Drilled)			3" SAND (NINEVAH)	2780	2792				SIZE	PUT IN	DATE	PULLED	DATE
CONTRACTOR	RODSTONE	793	800	(Drilled)			SNEE SAND (BLUE MON.)						10"	38	10-19		
PER FT.	PITTSBURGH						GOR. STRAY SAND	2805	2864				10"	242	7-66		
COMMENCED (6-4-19) 1st Drill 4-10-65	MURPHY SAND						GORDON SAND (THIRD)	2902	2924				8 1/2"	1307	"		
COMPLETED (10-8-19) " 7-2-66	AMES LIMESTONE						4TH "	2936	2968				8 1/2"	2071	"		
BOUGHT FROM	BAKERSTOWN COAL						4TH A "						5 1/2"				
DATE PURCHASED	L. DUNKARD SAND	1158	1175				5TH " (MCDONALD)	2998	3006				5 1/2"				
OUTSIDE SERIAL NO 2856	B. DUNKARD SAND	1216	1223				5TH A "						4"				
OLD TO	UPPER FREEPORT COAL						BAYARD " (SIXTH)						3"				
DATE SOLD	FREEPORT SAND	1295	1330	(Br. 1315-25)			BAYARD STRAY SAND						2"				
DATE ABANDONED	U. KITT. "						" " STR. SD.										
DATE PLUGGED (5-31-41)	M. " "						ELIZABETH SAND										
ANNUAL ROYALTY \$ DUE	L. " "						1ST WARREN SAND										
WORKMEN'S COMP. NOTICE POSTED	VANPORT LIME						2ND " "										
DRILLER'S LOG IN FILE <i>Genius Pay</i>	CLARION COAL						SPEECH, STRAY SAND										
COAL DATA													PACKER DATA				
OWNER <i>Riddle Nataska by W. L. A.</i>	BROOKVILLE COAL						TIONA SAND						DATE SET	KIND	SIZE	SET AT	DATE PULLED
ADDRESS <i>Farmington, W. Va.</i>	1ST GAS SAND	1422	1500	(Br. 1422-405)			1ST BALLTOWN SAND										
DATE NOTIFIED LOCATION 2-11-65	MERCER COAL						2ND " "										
DATE APPROVED "	1ST BALT SAND	1610	1830	(Br. 1665-1760)			SNEFFIELD "										
DEPARTMENT OF MINES DATA													CASING CEMENTED				
STATE PERMIT NO. <i>148281R</i> DATE <i>2-22-65</i>	2ND " "						1ST BRADFORD " (BENSON)						FROM	TO			
STATE DPR. PERMIT NO. "	3RD " "						2ND " "						OH DATA				
LOGGING PERMIT NO. "	MARTON "	1948	1992				3RD " "						(1) 3/4" cemented to 1000' Aquifer to surface.				
FREE GAS DATA													Casing cemented to 1700' Aquifer to surface.				
ANNUAL ALLOWANCE M. C. F.	PENCIL CAVE						KANE SAND						7-22-66				
CONSUMER (T)	BIG LIME GREENER	2018	2075				ELK SAND						7-22-66				
ADDRESS	BIG INJUN SAND	2078	2211	2082 (Driller Pay)			CRISKANT SAND						7-22-66				
	SQUAW "						CONCRETE TO 2101 - T.D. } 7-22-66						7-22-66				
	2ND GAS "						RO DRILLED TO 3037						7-22-66				
	MURRYSVILLE SAND (BEREA)						TOTAL DEPTH D/D 3052						7-22-66				
	TOTAL DEPTH						TOTAL DEPTH ORIGINAL 3247						7-22-66				
	TOTAL DEPTH												7-22-66				

OPEN FLOW VOLUME & PRESSURE DATA													PIPE LINE DATA							
DATE	READING	LIQUID	SIZE		MINUTES						24 HR. 30 DAY R. P. R. P.	VOLUME	PRODUCING SAND	C/O NO.	DATE LAID	DATE RCL'D	SIZE	FEET LAID	FEET RCL'D	REMARKS
			OPENING	TUBING	1	2	3	4	5	15										

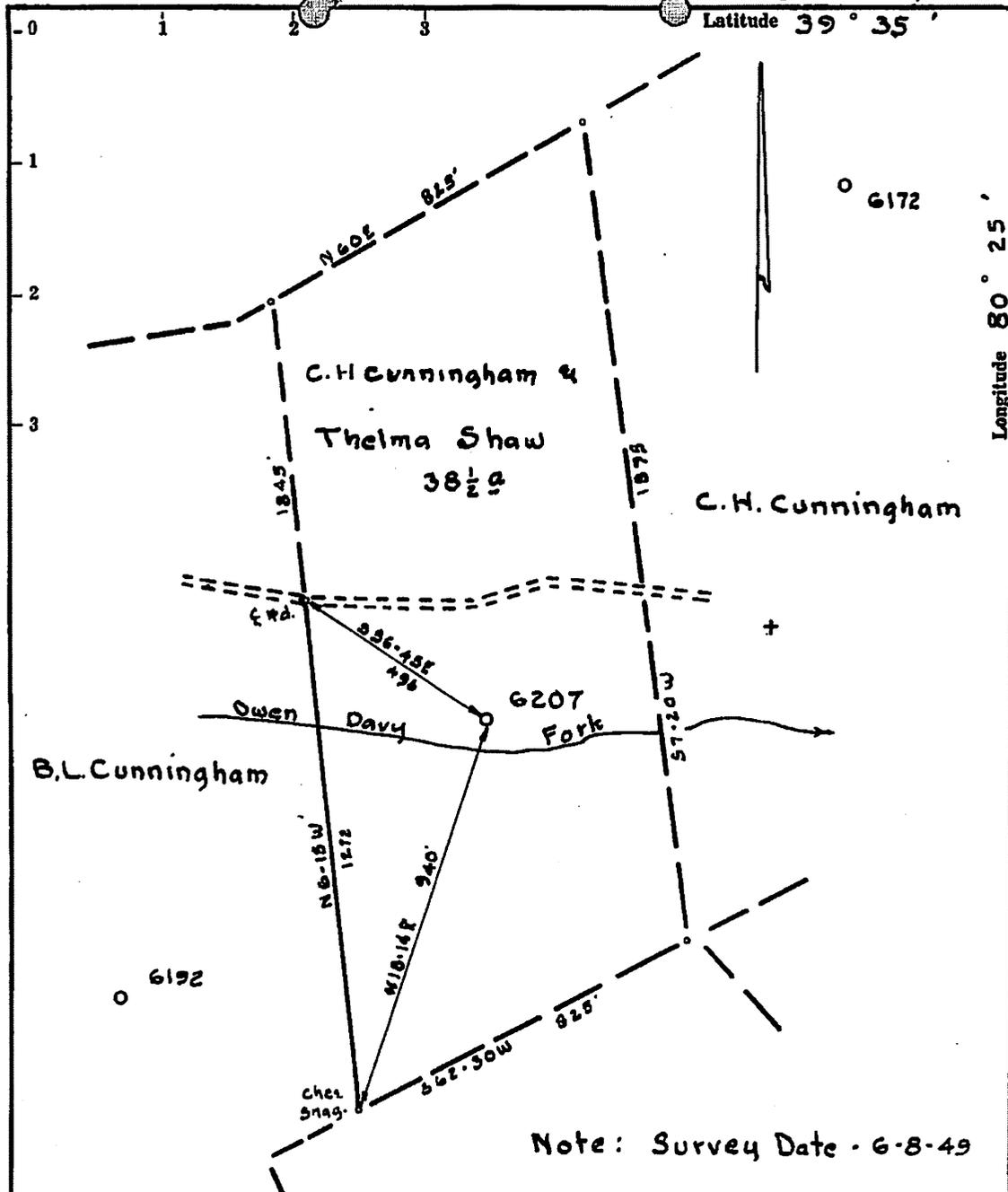
REPAIR AND DRILLING DEEPER						SHOOTING RECORD								
I/O-M/O NO.	DATE	REASON	COMMENCED	COMPLETED	C/O OR D/D TO	VOLUME		ROCK PRESS.		DATE	AMT.	DEPTH	VOLUME	
						BEFORE	AFTER	BEFORE	AFTER				BEFORE	AFTER

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Department of Environmental Protection

Gas Storage  
Logansport  
7-22-66

47-049-00281W

6207



Note: Survey Date - 6-8-49

- Fracture....
- Redrill.....
- New Location...
- Drill Deeper.....
- Abandonment.....

Source of Elevation Co. Records

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Minimum accuracy, one part in 200'

Company EQUITABLE Gas Co., W.Va. Div.  
 Address Pittsburgh, Pa  
 Farm C.H. Cunningham & T. Shaw.  
 Tract \_\_\_\_\_ Acres 67 Lease No. 24795A-B  
 Well (Farm) No. 1 Serial No. 6207  
 Elevation (Spirit Level) 1028'  
 Quadrangle Mannington SW 34  
 County Marion District Mannington  
 Engineer J. W. Deffen  
 Engineer's Registration No. 1084  
 File No. 163/63 Drawing No. \_\_\_\_\_  
 Date 2-9-65 Scale 1" = 300'

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

WELL LOCATION MAP  
 FILE NO. MAR-281-B

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

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WV Department of Environmental Protection

06/22/2018

WW-2A  
(Rev. 6-14)

1.) Date: April 25, 2018  
 2.) Operator's Well Number 606207  
 State County Permit  
 3.) API Well No.: 47- 049 - 00281

**STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Marion County Commission</u>	Name <u>See attached sheet</u>
Address <u>200 Jackson St</u>	Address _____
<u>Fairmont, WV 26554</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See attached sheet</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 2327</u>	Name <u>See attached sheet</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</u>	_____

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas  
**OR**  
 Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_ on the above named parties by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator	<u>Equitrans, L.P.</u>	Contact:	_____
By:	<u>Samuel K. Smallwood</u>		<u>Brian Hall</u>
Its:	<u>Attorney-in-Fact</u>		<u>NWV Ops Reg Manager</u>
Address:	<u>303 Sand Cut Rd</u>		<u>Same address</u>
	<u>Clarksburg, WV 26301</u>		_____
Telephone:	<u>304-626-7999</u>		<u>(304) 626-6419</u>
Email:	<u>SSmallwood@eet.com</u>		<u>BRHall@eet.com</u>



Subscribed and sworn before me this 25th day of April, 2018

Rachel Wyckoff Notary Public

My Commission Expires March 14, 2022 RECEIVED Office of Oil and Gas APR 27 2018

Oil and Gas Privacy Notice

Operator's Well No. Cunningham 6207 (606207)

ATTACHMENT WW-2A-5)(a) Coal Operator, (b) Coal Owner(s) with Declaration, (c) Coal Lessee with Declaration

Murray Energy Corporation  
Murray American Energy, Inc.  
46226 National Rd  
St. Clairsville, OH 43950

CONSOL Pennsylvania Coal Company LLC  
ATTN: Casey Saunders  
1000 CONSOL Energy Dr  
Cannonsburg, PA 15137-6506

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Office of Oil and Gas

APR 27 2018

WV Department of  
Environmental Protection

06/22/2018

WW-2A1  
(Rev. 1/11)

Operator's Well Number 606207

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, 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
See Attached Sheet			

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Samuel K. Smallwood  
 By: Its: Equitrans, L.P.  
Samuel K. Smallwood, Attorney-in-Fact

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WW-2A1 ATTACHMENT

Operator's Well No. Cunningham 6207 (606207)

<u>Lease No.</u>	<u>Grantor, Lessor, etc.</u>	<u>Grantee, Lessee, etc.</u>	<u>Royalty</u>	<u>Book/Page</u>
<u>124795</u>	<u>David E. Bowyer, ETAL</u>		<i>\$300.00 Storage</i>	
	C.H. Cunningham ETAL	Pittsburgh & WV Gas Company		465/309
	Thelma Shaw	Equitable Gas Company		613/465
	Pittsburgh & WV Gas Company	Equitable Gas Company		511/539
	C.H. Cunningham ETAL	Equitable Gas Company		541/17
	Equitable Gas Company, LLC ETAL	Equitrans, L.P.		AB 46/660
	Equitable Gas Company, LLC ETAL	Equitrans, L.P.		1148/296

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WV Department of  
Environmental Protection

06/22/2018

WW-9  
(5/16)

API Number 47 - 049 - 00281  
Operator's Well No. 606207

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Equitrans, L.P. OP Code 307652

Watershed (HUC 10) Owen Davy Fork of Buffalo Creek Quadrangle Glover Gap 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_)
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

*S.Dew  
H/26/2018*

Will closed loop system be used? If so, describe: Yes, above ground steel pits connected to mud pump and well

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Brine

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed Offsite

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? See Attached Sheet

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

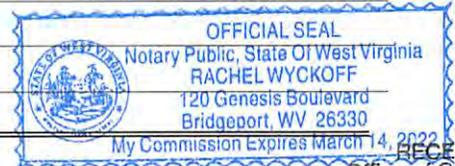
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Samuel K. Smallwood*

Company Official (Typed Name) Samuel K. Smallwood

Company Official Title Attorney-in-Fact



Subscribed and sworn before me this 25th day of April, 2018

*Rachel Wyckoff* Notary Public

My commission expires March 14, 2022

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WV Department of Environmental Protection  
06/22/2018

Attachment WW-9 Landfill or Offsite Disposal Name/Permit Number

Region	Facility Type	Facility Location Name	Street	City	State	Zip Code
Midwest/Ohio	Disposal Well	Nichols (SWIW #13) 1 - A	10555 Vero Road	Belpre	OH	45714
	Disposal Well	D - 1 (SWIW #7)	3549 Warner Road	Fowler	OH	44118
	Disposal Well	Goff (SWIW #27) 1	9350 East Pike Road	Norwich	OH	43767
	Disposal Well	Eva Jean Root Wolf 1 and 4, Wolf 2	5480 State Route 5	Newton Falls	OH	44444
	Disposal Well	Pander R&P (SWIW # 15 & #16) 1 & 2	5310 State Route 5	Newton Falls	OH	44444
	Disposal Well	John G. Deiores Blazek 2	3700 Allyn Road	Hiram	OH	44234
	Disposal Well	Belden & Blake Corporation 2 - 1050	8000 Edison Street	Louisville	OH	44641
	Disposal Well	Plum Creek 1	4285 Karg Industrial Parkway	Kent	OH	44240
	Disposal Well	Ed Lyons (Genet) 1	7700 Lincoln Street	East Canton	OH	44730

List of Ohio SWDs 6.13.2013

Wells	County	Township	State	Permit #s	Entity
Belden & Blake #2	Stark	Marlboro	Ohio	34-151-2-3420	Heckmann Water Resources (CVR), Inc.
Blazek #2	Portage	Hiram	Ohio	34-133-2-0525	Heckmann Water Resources (CVR), Inc.
Lyons #1	Stark	Osnaburg	Ohio	34-151-2-1198	Heckmann Water Resources (CVR), Inc.
Pander R & P #1	Trumbull	Newton	Ohio	34-155-2-3795	Heckmann Water Resources (CVR), Inc.
Pander R & P #2	Trumbull	Newton	Ohio	34-155-2-3794	Heckmann Water Resources (CVR), Inc.
Plum Creek #1	Portage	Brimfield	Ohio	34-133-2-3614	Heckmann Water Resources (CVR), Inc.
Eva Jean Root Wolf #1	Trumbull	Newton	Ohio	34-155-2-1893	Heckmann Water Resources (CVR), Inc.
Wolf #2	Trumbull	Newton	Ohio	34-155-2-1894	Heckmann Water Resources (CVR), Inc.
Eva Jean Root Wolf #4	Trumbull	Newton	Ohio	34-155-2-3203	Heckmann Water Resources (CVR), Inc.
D-1 (AnnaRock)	Trumbull	Fowler	Ohio	34-155-2-2403	Heckmann Water Resources (CVR), Inc.
Nichols #1-A	Washington	Dunham	Ohio	34-167-2-3862	Heckmann Water Resources (CVR), Inc.
Goff #1 Appalachian Water (APP or AWS)	Muskingum Connellsville	Unjon N/A	Ohio PA	34-119-2-8776 2608201	Heckmann Water Resources (CVR), Inc.

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Form WW-9

Operator's Well No. 606207

Proposed Revegetation Treatment: Acres Disturbed less than one (1) acre Prevegetation pH N/A

Lime 3 Tons/acre or to correct to pH 6 1/2

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 600 lbs/acre

Mulch Hay or Straw Tons/acre

Seed Mixtures

**Temporary**

**Permanent**

Seed Type lbs/acre

Seed Type lbs/acre

N/A

Meadow Mix 40 lbs per ac

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: S. D. Warratt

Comments: Pre-Seed/Mulch as soon as reasonably possible per regulation. Upgrade ETS as necessary per WV DEP ETS manual.

Title: OOG Inspector

Date: 4/26/2018

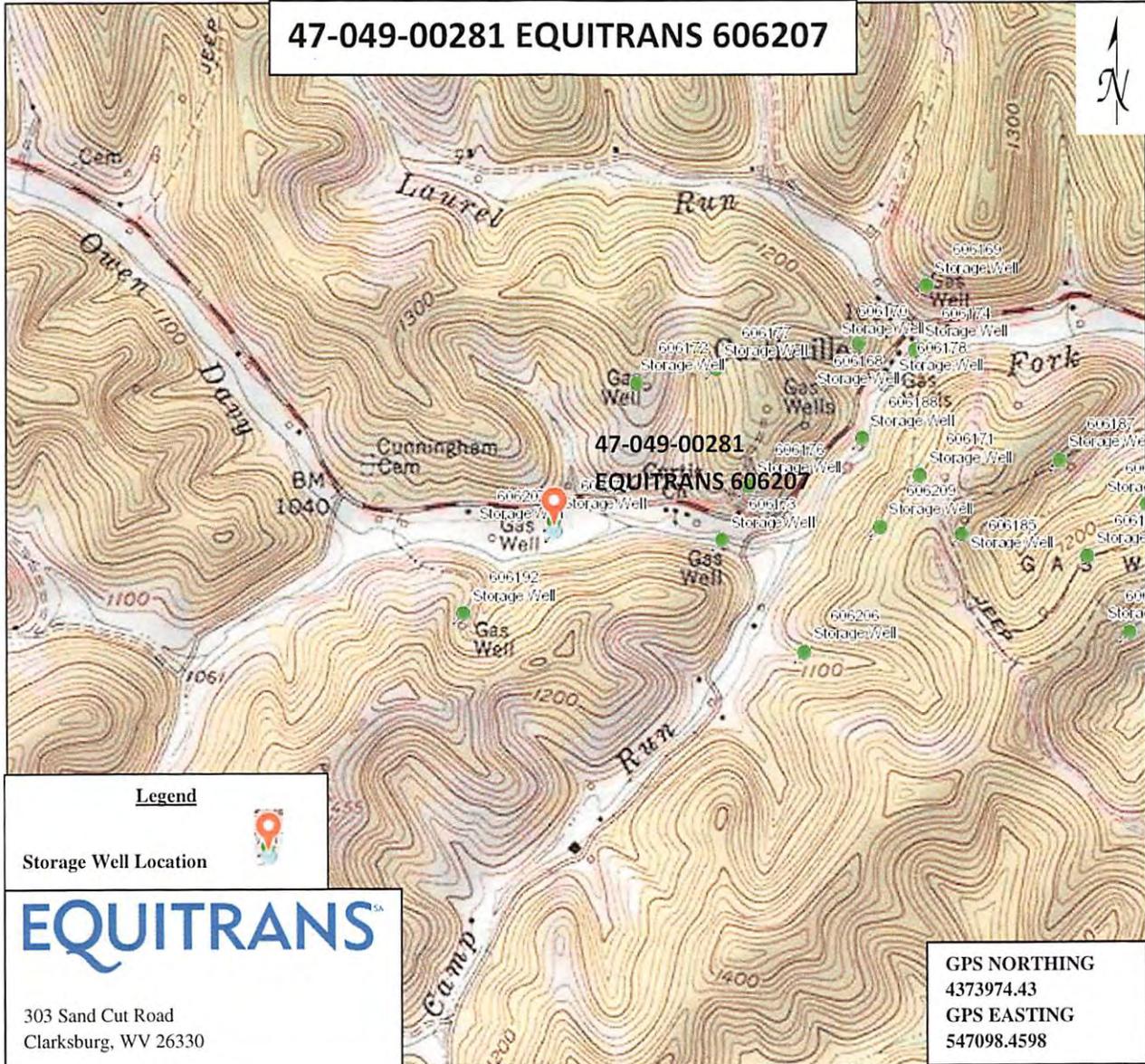
Field Reviewed? (  ) Yes (  ) No

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APR 27 2018

WV Department of  
Environmental Protection

06/22/2018



47-049-00281 EQUITRANS 606207

**Legend**

Storage Well Location 

**EQUITRANS**<sup>SM</sup>

303 Sand Cut Road  
Clarksburg, WV 26330

GPS NORTHING  
4373974.43  
GPS EASTING  
547098.4598

DISCLAIMER: ALL INFORMATION DEPICTED ON THIS MAP PROVIDED BY EQT (SAID TERM SHALL MEAN EQT PRODUCTION OR EQT MIDSTREAM, DEPENDING ON WHICH EQT ENTITY PROVIDED THE MAP) IS FOR INFORMATION PURPOSES ONLY AND SHALL BE TREATED AS CONFIDENTIAL INFORMATION AND SHALL ONLY BE USED FOR THE SOLE PURPOSE FOR WHICH IT WAS PROVIDED. ANY OTHER USE OF THIS MAP, OR THE INFORMATION INCLUDED THEREON, IS STRICTLY PROHIBITED. THE EXACT LOCATION OF THE FACILITIES (INCLUDING BUT NOT LIMITED TO WELLS, PIPELINES, STRUCTURES, FACILITIES, LEASE BOUNDARIES OR ANY OTHER INFORMATION) SHOWN ON THIS MAP SHALL NOT BE RELIED UPON FOR THE SPECIFIC LOCATION OF THE FACILITIES; AND THE PARTIES AGREE THAT THE INFORMATION SHOWN ON THE MAP MAY NOT HAVE BEEN PLACED ON THE MAP USING SURVEY LINES OR GPS COORDINATES. EQT MAKES NO EXPRESS OR IMPLIED REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF THE MAP, OR THE INFORMATION SHOWN THEREON. THE SPECIFIC LOCATION OF ANY OF THE INFORMATION, INCLUDING ANY WELL, PIPELINE, STRUCTURE, FACILITY OR LEASE BOUNDARY, SHOULD BE DETERMINED BY A FIELD SURVEY PERFORMED BY A LICENSED SURVEYOR UPON CONSULTATION WITH EQT. THIS MAP MAY NOT BE COPIED OR OTHERWISE MADE AVAILABLE TO ANY OTHER PARTY IN PAPER OR ELECTRONIC FORMAT WITHOUT WRITTEN CONSENT FROM EQT. RECIPIENT EXPRESSLY AGREES THAT ITS USE AND/OR RETAINER OF THIS MAP SHALL BE DEEMED ITS AGREEMENT TO THE TERMS SET FORTH ABOVE.

Quad: Glover Gap 7.5'      Scale: Not Mapped to Scale

County: Marion      Date: 4/25/2018

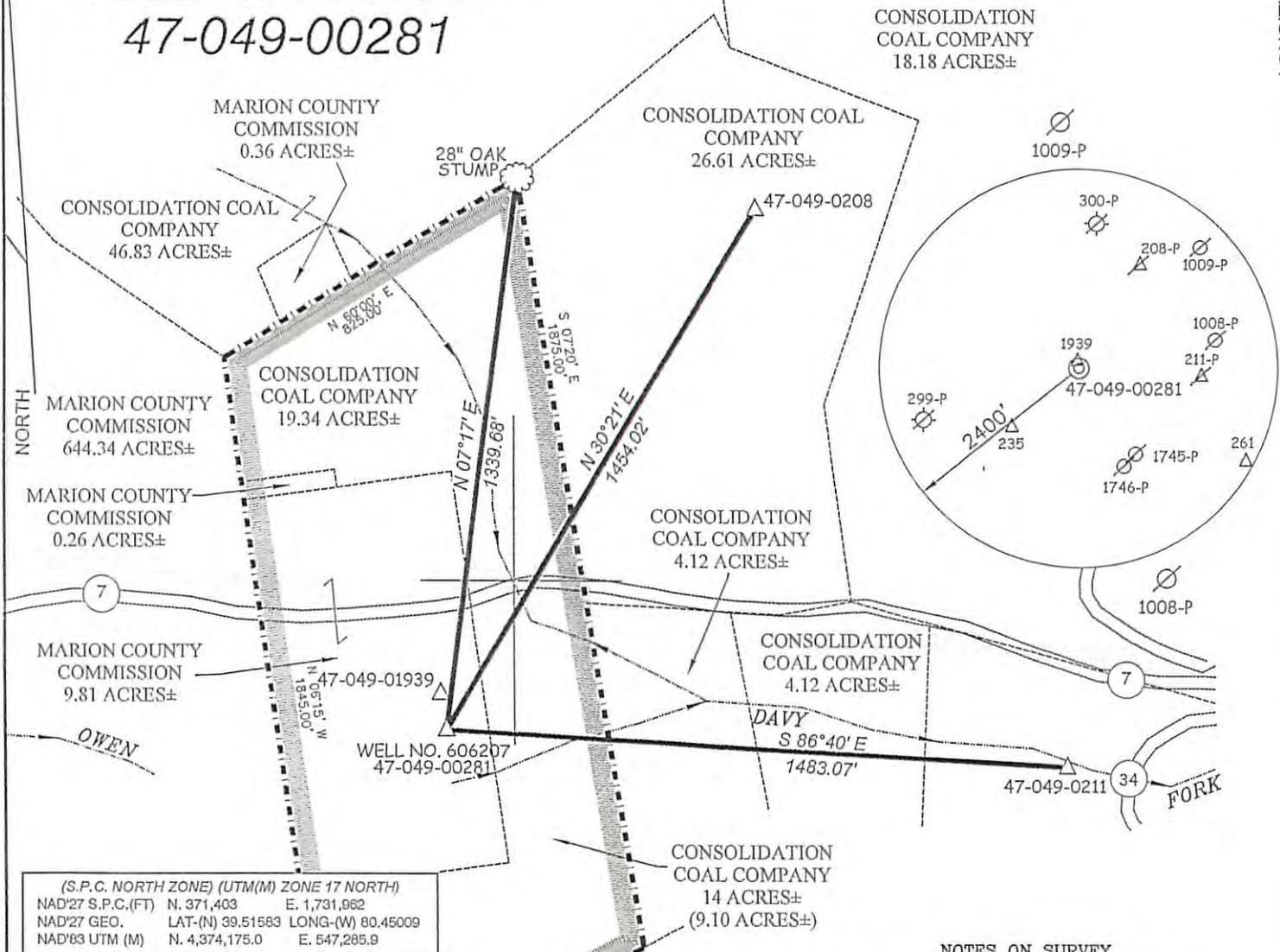
District: Mannington      API: 47-049-00281

# CUNNINGHAM LEASE

## 38.5 OF 67 ACRES±

### WELL NO. 606207

### 47-049-00281

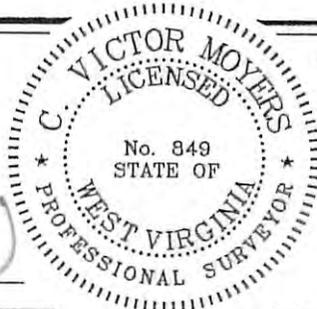


(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
 NAD'27 S.P.C.(FT) N. 371,403 E. 1,731,962  
 NAD'27 GEO. LAT-(N) 39.51583 LONG-(W) 80.45009  
 NAD'83 UTM (M) N. 4,374,175.0 E. 547,285.9

**SLS**  
 Land & Energy Development  
 Solutions from the ground up.  
 P.O. Box 150 • 12 Vanhorn Drive • Glenville, WV 26351 • (304) 462-5634  
 www.slsurveys.com

**NOTES ON SURVEY**

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 02/09/1965 AS PREPARED BY JAMES JEFFRIES FOR A.P.I. NO. 47-049-0281.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MARION COUNTY IN MAY, 2015.
4. WELL COORDINATES ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 849 *C. Victor Moyers*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JUNE 14, 20 18  
 REV. DATE \_\_\_\_\_  
 OPERATORS WELL NO. CUNNINGHAM NO. 606207  
 API WELL NO. 47 - 049 - 00281W  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 6423P0281.dwg (223-70)  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 400'

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

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

LOCATION: ELEVATION 1,022' WATERSHED OWEN DAVY FORK OF BUFFALO CREEK  
 DISTRICT MANNINGTON COUNTY MARION QUADRANGLE GLOVER GAP 7.5'

SURFACE OWNER MARION COUNTY COMMISSION ACREAGE 9.81±  
 ROYALTY OWNER C.H. CUNNINGHAM & T. SHAW LEASE ACREAGE 38.5± OF 67 **06/22/2018**

PROPOSED WORK: LEASE NO. 124795  
 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER   
 PHYSICAL CHANGE IN WELL (SPECIFY) RE-WORK TARGET FORMATION BIG INJUN/KEENER  
BIG INJUN & KEENER FORMATIONS ESTIMATED DEPTH 3,052'

WELL OPERATOR EQUITRANS, LP DESIGNATED AGENT BRIAN HALL  
 ADDRESS 625 LIBERTY AVE, SUITE 1700 ADDRESS 303 SAND CUT RD  
PITTSBURGH, PA 15222 CLARKSBURG, WV 26330

COUNTY NAME PERMIT

# CUNNINGHAM LEASE

## 38.5 OF 67 ACRES±

### WELL NO. 606207

### 47-049-00281



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CHARLES R. RUSSELL ET UX.  
 33.72 ACRES±

#### NOTES ON SURVEY

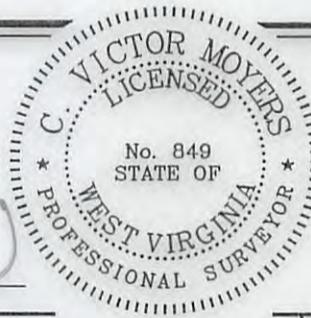
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STATE COUNTY PERMIT

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