WR-35 Rev (9-11)	Department of Office	of West Virgin Environmental e of Oil and Gar's Report of W	Protection is	DAT API	B: <u>47-103-026</u> 36
Farm name: 25	Lum BER . INC	Operator Wel	INO.: 46	1-211-	LS 1+0y+ 4012H
LOCATION: Elevation:	1315'	Quadrangle:_	PINE	GROVE	7.5'
District	GRANT	County:	WETZ	EL	
Latitude: 825) Longitude 503		.37 Min	30 Sec	<b>.</b>	
	ENERGY, LLC	Casing &	Used in	Left in well	Coment fill
	DUPONT ROAD	Tubing	drilling		up Cu. Ft.
	ERSBURG, WV 26101	20"cising	20'	20'	NIA
Agent MIKE		94# H.40			Drilledin
Inspector: DERE					
Date Permit Issued:		13 -3/2 (ASING	485.25'	485.15	Cement to suppose
Date Well Work Co.		54.5# Jas			1 450 5ks . 1
Date Well Work Co.	mpleted: \$18/2013				
Verbal Plugging:		95/8 CHAING	3362'	3362	Centut to sweeter
Date Permission gra		40 I-55			10333ks
Rotary Cab					
Total Vertical Dep		5/2 CHSING	14.117	14,217'	Coment to swaffer .
Total Measured De	pth (ft): 14,360'	20° P110			2412 SKS
Fresh Water Depth	(A.): 115' 415'				
Salt Water Depth (		235 TUBING	NIA	7596.72	NIA
Is coal being mined	in area (N/Y)7 NO	4.7th L-80			
Coal Depths (ft.):					action of the contract of the
Void(s) encountered	(NY) Depth(s) N. NA				
Producing formation Gas: Initial open flow G Final open flow G Time of open flow	nore than two producing formatic Marcellus 5 Nale Pay: 5.4 M MCF/d Oil: Initial open flow MCF/d Final open flow octween initial and final tests 4,300 psig (surface pressure) at mation N/A Pay 20:	zone depth (ft) low 50 Bb v 50 Bb 24 Hours	<u>7341.4</u> 3 Va	ata on separate si	neel)
Gas: Initial open flow_ Final open flow_	MCF/d Oil; Initial open flower initial and final tests psig (surface pressure) af	low Bb	Vd.		· ·
all the attachments and that, b	that I have personally examined a seed on my inquiry of those indi-	and am familiar viduals immedia	with the inform tely responsibl	nation submitted e for obtaining t	on this document and he information I believe
that the information is true, as		53.457			RECEIVED
	DCW for Joseph Signature	Henton	-	Date	Office of Oil and Ga
					FEB 2 3 2016

APPROVED

NAME: Gacqualin Shounton

DATE: 3/28/2014

WV Department of Environmental Protection

Were core samples taken?	Yes	No_X		Wer	e cutting	s caugh	during	g drillin	ng? Yes_X	No
Were Electrical, Mechanical REAL TIME MW	D Gim	MA R	AY LUGS	this well?	If yes, p = we	lease lis	<u>( M</u>	UD The	LOGS CURVES	AND
LATERAL PORTIO	NS OF	THE W	ieu.			•				
NOTE: IN THE AREA FRACTURING OR STIM DETAILED GEOLOGIC COAL ENCOUNTERED I	ULATING AL RECC	, PHYS ORD OF	ICAL CHAI THE TOP	nge, etc s and i	C. 2). TH BOTTON	e wei Vis of	L LO ALL	G WH FORI	ICH IS A SY	YSTEMATIC
Perforated Intervals, Fracturi	ng, or Stim	ulating:								
SEE.	A+71	STHE	A CH	たたすく	_					
	71.777	10/12	<u> </u>	<i>5613</i>			•		· ·	•
						<del></del>				
Plug Back Details Including 1	Plug Type	and Dept	b(s):							
				····						
Formations Encountered: Surface:			Top I	Depth	<del></del>	/		<del></del>	Bottom I	epth
TVD TOPS			BOTTO	m						
BIG LIME	2367		243	11						
BIG INJUN	2437	7	265	-9						
GORDON STRAY	3225		<i>3</i> 25	54						
GORDAN	325	4	327	5						
TULLY	7430	P	141	4						
HAMILTON	7479	/	763	2						
MARCELLUS	763	7	TL	)						
					_					
•										

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## LS Hoyt 401 2H 47-103-02636 - Perforating Datail

Stage 1						
Plug Setting Depth	1st Guster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
14208	13815-16	13740-41	13665-66	13590-91	13515-16	PD
Stage 2						
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
13465	13415-16	13340-41	13265-66	13190-91	13115-16	PD
Stage 3	-					
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
13065	13015-16	12940-41	12865-66	12790-91	12715-16	PD
Stage 4			·			
Plug Setting Depth	1st Cluster	. 2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
12675	12615-16	12540-41	12465-66	12390-91	12315-16	PD
5tage 5					•	•
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
12265	12215-16	12140-41	12065-66	11990-91	11915-16	PD
Stage 6						
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
11865	11815-16	11740-41	11665-66	11590-91	11515-16	PD
Stage 7						
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
11465	11415-16	11340-41	11265-66	11190-91	11115-16	PD
Stage 8					-	
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
11065	11015-16	10940-41	10865-66	10790-91	10715-16	PD
Stage 9						
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
10655	10615-16	10540-41	10465-66	10390- <del>9</del> 1	10315-16	PD
Stage 10						
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
10265	10215-16	10140-41	10065-66	<del>99</del> 90-91	9915-16	PD
Stage 11	****					
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
9865	9815-16	9740-41	9665-66	9590-91	9515-16	PD
Stage 12						
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
9465	9415-16	9340-41	9265-66	9190-91	9115-16	PD
Stage 13		····				
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
S065	9015-16	8940-41	8865-66	8790-91	8715-16	PD
Stage 14	···				·	
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
8660	8615-16	8540-41	8465-66	8390-91	8315-16	PD
Stage 15			·····			
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
8265	8215-16	8140-41	8065-66	7990-91	7915-16	PD
Stage 16				<u>.</u> .		
Plug Setting Depth	1st Cluster	2nd Cluster	3rd Cluster	4th Cluster	5th Cluster	Perf Method
7885	7855-56	7825-26	779 <del>5-9</del> 6	7765-66	7735-36	PD
						A 441

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## LS Hoyt 401 02H Free Suramary API 0 47-103-02636

Supp	E of Perfs	Yotal Actá (gal)	Total Water (J&G)	Total Sarei (ibr)	Total Skary (bbl)	pad yet peq	100 Mesh (75s)	40/70 Mesh (Ds)	80/30 Mesh (De)	833 (bel)	1517 (pol)	2 Main 517 (ps.l)	Z Mão SIP (pri)	\$ \$40a \$19 (pal)	ATP bell	Avg Rate (bbVrain)	PUMP DOWN (NA)
1	€0	1,000	7,872	348,200	0,897	747	130,200	150,300	95,800	N/A	3,934	9,574	3,450	8,257	6,733	66	500
	€	1,000	7,947	420,800	8,609	<b>590</b>	120,200	149,900	150,700	N/A	3,664	3,262	1,177	1,071	6,076	66	542
	€	1,000	7,851	418,700	8,509	<b>co</b> s	120,200	149,900	144,600	N/A	1,976	1,544	3,452	3,262	5,862	n	294
4	€0	1,000	7,533	379,300	4,177	1,018	120,200	149,900	101,000	\$,067	N/A	N/A	N/A	N/A	6,437	6	275
5	60	1,000	7,719	378,400	#1#E	753	120,700	149,900	104,300	5,071	1,719	9,255	2,244	3,107	6,235	sy	225
	60	1,000	9,143	420,000	9,650	814	120,200	149,200	150,700	5,150	3,729	8,455	3,345	3,214	לום, ו	70	230
7	€	3,000	7,823	417,000	4,616	641	123,000	149,900	150,700	5,276	8,258	4,741	4,463	4,031	3,258	72	223
	60	1,000	7,658	401,300	4,295	en	144,000	149,900	107,900	\$,112	3,663	8,837	3,194	3,010	4,142	71	192
	60	1,000	5,977	297,800	6,473	ទា	144,000	149,900	•	4,831	N/A	N/A	NE/A	N/A	1,145	66	180
20	80	1,000	7,710	419,300	\$\text{411}	<b>653</b>	181,400	149,900	111,000	N/A	4,190	3,463	3,275	2,309	6,058	H	16
11	œ	1,000	8,118	311,500	8,723	652	123,000	\$45,800	32,000	5,226	2,675	8,206	3,184	1,013	5,934	8	129
12	50	1,000	8,605	402,600	1,141	<b>F</b> 35	145,000	148,800	107,700	N/A	3,995	3,570	8,421	3,248	6,404	Ø	104
13	€ 60	1,000	7,676	204,300	4,253	703	131,400	149,500	22,800	N/A	1,633	3,274	3,154	8,027	5,978	25	. 14
14	€0	1,000	4,925	420,600	2,633	573	120,200	25,8,700	141,500	N/A	3,921	L/RS	1770	3,172	8,711	æ	71
15		1,000	7,945	437700	#FFT#	<b>587</b>	130,300	175,600	123,300	N/A	2,799	3,357	3,250	2,174	5,937	84	62
15	8	3,000	#335	454,000	1,905	792	120,200	150,300	111,700	5,500	4,954	4,230	3,943	3,543	4344	73	49
TOTAL/AVG	960	14,000	127,017	8,742,220	137,414	11,560	2,043,600	2,423,500	1,749,100	įja:	4,037	3,547	<b>\$,02</b> 2	8,246	610	"	1,033

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