

WR-35

APR 3 1003



State of Mest Airginia

DEPARTMENT OF ENERGY Gil und Gas Bivision

Date	March	14,	1986)	_
	ator's				
Well	No. LSD	Do	nahue	#1	_
Farm	Donah	ue_			_
_	No. 47			1378	_

WELL OPERATOR'S REPORT

OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil_ (If	<pre>X / Gas / Liquid "Gas," Production /</pre>	Injection_ Undergroun	/ Waste d Storage	Disposal / Deep	/ / Shal	llow/)	
LOCATION: Eleva	ation: 693.6 Wat	ershed Can	npbell's	Run			
MCATION: Eleve	rict: Walker Cou	nty Wood		uadrangle	Willow	<u>Islaand</u> 7	• 5
DISC	Nather	•					-
							-
COMPANY LSD 01	1 & Gas Company					Cement	}
ADDRESS 2 Donah	ue Cricle, Culloden	WV 25510	Casing	Used in		fill up	
	T <u>Ernie Donahue</u>		Tubing	Drilling	in Well	Cu. ft.	┥
ADDRESS2 Donah	ue Circle. Culloden	25510	Size 20-16				
	Ernie Donahue		Cond.			TO	4
ADDRESS _{2 Donah}	ue Circle, Culloder	25510	11-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	250'	250'	To Surface	4
MINERAL RIGHTS	OWNER Ernie Donahue		9 5/8			ТО	4
ADDRESS2 Donah	nue Circle, Culloder	1, WV 25510	8 5/8	1363!	1363'	Surface	4
OIL AND GAS IN	SPECTOR FOR THIS WORK	Glenes nt	7				4
			5 1/2			365 sk	$\frac{1}{2}$
PERMIT ISSUED	WV. 26150 8-29-85		4 1/2	3795'	3795'	Kolite	┤"
DRILLING COMME	NCED September 11, 1	985	3				-
	ETED September 26. 1		2				_
THE ADDITIONALE.	PINGGING OF DRY HOLL	e on	Liners				
COMMITMENTS PRO	OGRESSION FROM DRILLING TRBAL PERMISSION OBTAIN	G OR	used				
ON CN	INFIL TIME					_	—
CONTINUE TO TAIL	RGET FORMATION Devoni	an Shale			pth_4400	fee	et.
Donth of	completed well 3835	feet	Rotary_y	/ Cab	le Tools_		
tinhon ab	denth: Fresh	feet;	Salt	ree	T	~	
Water sc	m depths: 364-368	856 - 858	Is coal	L being mi	ned in th	ne area?_N	0
War sea	m depart.		_				
OPEN FLOW DAT	A	Cholo	ם.	av zone de	epth 1/99	_3014 fe	et
Producin	ng formation Devonian nitial open flow	Share	Oil. T	nitial ope	en flow	Bbl	/đ
Gas: Ir	itial open flow	MC1/d	CII.	inal open	flow (7	Bb1	/d
Fi	inal open flow 198 Time of open flow	MCI/U	t Bre leit	final test		hours	
	Time of open flow	perween mir	CTOT OF	ement) af	ter h	ours shut	in
Static:	rock pressure 405	_psig(suria	ce neasur	GIETIC) GI			
(If app	licable due to multipl	e completio	/ ルー ・/	ev zone d	eoth	fe	æt
Second	producing formation_	V-E /3		mitial on	en flow	Bb	L/d
Gas: I	nitial open flow	MCI/Q	041- 1	rinal open	flow	Bb.	r/a
F	Final open flow	MCI/d	LILU Ear [2]:	final tes	 ts	hours	
	Time of open flow	petween in	rcrar gin	ement) aft	er	- hours shut	in
Static	rock pressure	_bs1d (surra	ce measur	arency are		IPR 1 4 198	Ģ.
				(Cor	itirue on	reverse s	ide,

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

Hitwell perforated Devonian shale 3235-3443 w/26 holes (.39) Select Fire. D/S

frac w7750,000SCF N2 & 250 gal. 15% HCI Acid. Hitwell perf @ 3218-3233 w/25

holes, (.39) Select fire. D/S frac w/750,000 SCF N2 & 250 gal. 15% HCI acid.

Set a Baker solid bridge plug @ 3180. Perfco perf Devonian Shale @ 2603-3014

w/30 holes, (.39) Select Fire. B.J. Titan frac w/750,000 SCF N2 & 500 gal.

15% HCI acid. Perfco per @ 2117-2202 w/23 holes, (.39) Select Fire. B.J. Titan

frac w/750,000 SCF N2 & 500 gal 15% HCI acid. Perfco perf @ 1488-1792 w/22 holes

(.39) Select Fire. B.J. Titan frac w/750,000 SCF N2 & 500 gal 15% HCI acid.

Baker set & retrieved plugs per stage.

WELL LOG

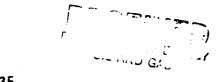
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay Sand, Shale Coal Sand, Shale Coal Sand, Shale Lime Sand, Shale	0 5 364 368 856 858 988 1060	5 870 368 856 858 988 1060 3835	Coal 364-368 856-858
Log Tops ✓ Big Lime Berea Devonian Shale	896 1334 1340	986 1340 W	
From hearby log; 1340 1250 1340 950			

(Attach separate sheets as necessary)

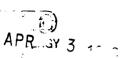
LSD Oil & Gas Company	
Well Operator	
By: 2 min Donatus	•
By: O me More	
Date: March 14, 1986	

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 that, encountered in the drilling of a well."



WR-35





State of Mest Airginia DEPARTMENT OF ENERGY

Gil und Gas Zivision

Date	March	14, 1	986	
Opera	ator's			
Well	No. LS	D Dona	hue	#1
Farm	Dona	hue		
	_		_	378_

WELL OPERATOR'S	REPORT				
MAY 2 8 1986 OF DRILLING, FRACTURING AND/OR STIMUL	ATING, OF	PHYSICAL	CHANGE		
DRILLING, PROJECTION OF THE PROPERTY OF THE PR					
WEIL TYPE: Oil X / Gas / Liquid Injection (If "Gas," Production / Undergroun			/ / Shal	llow/)	
LOCATION: Elevation: 693.6 Watershed Car	mpbell's	Run			
District: Walker County Wood	(Quadrangle	Willow	Islaand 7.	5
· .				<u> </u>	
COMPANY LSD Oil & Gas Company		Trand in	Left	Cement	
ADDRESS 2 Donahue Cricle, Culloden WV 25510	Casing	Used in Drilling		fill up Cu. ft.	
DESIGNATED AGENTErnie Donahue	Tubing	Diffing	TI WELL	Cu. 20.	
ADDRESS ₂ Donahue Circle, Culloden, WV 25510	Size 20-16		·	:	
SURFACE OWNER Ernie Donahue	Cond.		2501	To	
ADDRESS ₂ Donahue Circle, Culloden, WV 25510	13-x00xxx"	250'	250'	Surface	
MINERAL RIGHTS OWNER Ernie Donahue	9 5/8	1363'	1363'	То	
ADDRESS ₂ Donahue Circle, Culloden, WV 25510	8 5/8	1303	1300	Surface	
OIL AND GAS INSPECTOR FOR THIS WORK Close Rt. 1 #6 Mt Pleasant ADDRESS Estate Mineral Wells	7				
PERMIT ISSUED 8 29-85 WV. 26150		07051	3795'	365 sks Kolite	RFC
PERMIT ISSUED 8 29 85	4 1/2	3795'	3195	KOTILLE	1
DRILLING COMMENCED September 11. 1985	3				1
DRILLING COMPLETED September 26. 1985 IF APPLICABLE: PLUGGING OF DRY HOLE ON	2				1
CONTINUES PROGRESSION FROM DRILLING OR	Liners				4
REWORKING. VERBAL PERMISSION OBTAINED	used]
ON	2	Det	nth	feet	,
GEOLOGICAL TARGET FORMATION Devonian Shale	Datase	/ Cab	le Tools		
Depth of completed well 3835 feet	KOTALY_Y	fee	+ +	-	-
Water strata depth: Freshfeet;	Sait_	being mi	ned in th	ne area? No	
Coal seam depths: 364-368 856-858	_ IS COAL	r bend wr	nea m. c	<u></u>	-
OPEN FLOW DATA			. •	Foot	_
Producing formation Devonian Shale	P	ay zone de	pth_1488	-3014Iee	<u>.</u> 3
Gas: Initial open flowMcf/d	Oil: L	nitial ope	u iiom	BDI/C	ı a
Final open flow 198 Mcf/d	F.	inal open	110w7	<u>-9</u> BD1/	.
Time of open flow between ini-	tial and	final test	.s	nours	.
Static rock pressure 405 psig(surfa		ement) alt	ern	ours sinc r	1.
(If applicable due to multiple completio	n) -	· 4	b	foo	.+
Second producing formation		ay zone de	spul	Rh1 /	a
Gas: Initial open flow Mcf/d	011: 1	untian ob	flor	Bh1/	- 'd
Final open flow Mcf/d	011: 1	Ther oben	+e	bours	_
Time of open flow between ini	tial and	Inal tes	or t	ours shut i	n
Static rock pressurepsig(surface	ce measure		7.		
		(Con		reverse sid	

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. Hitwell perforated Devonian shale 3235-3443 w/26 holes (.39) Select Fire. D/S frac w1750,000SCF N2 & 250 gal. 15% HCI Acid. Hitwell perf @ 3218-3233 w/25 holes, (.39) Select fire. D/S frac w/750,000 SCF N2 & 250 gal. 15% HCI acid. Set a Baker solid bridge plug @ 3180. Perfco perf Devonian Shale @ 2603-3014 w/30 holes, (.39) Select Fire. B.J. Titan frac w/750,000 SCF N2 & 500 gal. 15% HCI acid. Perfco per @ 2117-2202 w/23 holes, (.39) Select Fire. B.J. Titan frac w/750,000 SCF N2 & 500 gal 15% HCI acid. Perfco perf @ 1488-1792 w/22 hole (.39) Select Fire. B.J. Titan frac w/750,000 SCF N2 & 500 gal 15% HCI acid. Baker set & retrieved plugs per stage.

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Log Tops Big Lime Berea Devonian Shale	896 1334 1340	986 1340 4400	

(Attach separate sheets as necessary)

LSD Oil & Gas Company	
Well Operator	
By: 2 min Donahue	
Date: March 14. 1986	

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FORM WW-2(B) FILE COPY (Obverse)

7/85





1)	Date: Aug	ust 29,		 19. 85
2)	Operator's Well No	Donahue	#1	

3) API Well No. 47 -107-1378

85 STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION DIVISION OF OIL & GAS APPLICATION FOR A WELL WORK PERMIT WELL TYPE: A OIL X B (If "Gas", Production Underground storage Shallow X Campbells Run 693,61 ft. LOCATION: Elevation: Watershed: Wood Walker District: County: Quadrangle: WELL OPERATOR L.S.D. Oil&Gas Co. CODE Patrick A. Brake DESIGNATED AGENT Upper Drive 2 Donahue Circle Address Dx new Culloden, W.V. 25510 Buckhannon, W.V. 26201 OIL & GAS INSPECTOR TO BE NOTIFIED DRILLING CONTRACTOR: on. Name Glen P. Robinson Name Gard Drilling Bulaville-Addison Road Rt. 1 #6 Mt. Pleasant Est Address Address Mineral Wells, w.V. 26150 Gallipolis, Ohio 45631 Х Drill PROPOSED WELL WORK: Redrill_ Stimulate deener Plug off old formation / Perforate new formation Other physical change in well (specify) Devonian Shale 11) GEOLOGICAL TARGET FORMATION. _ 4400 12) Estimated depth of completed well, 13) Approximate trata depths: Fresh, _feet; 14) Approximate coal seam depths: Is coal being mined in the area? Yes. 15) CASING AND TUBING PROGRAM **SPECIFICATIONS** CASING OR FOOTAGE INTERVALS CEMENT FILL-UP **PACKERS TUBING TYPE** Weight OR SACKS For drilling Left in wel per ft. (Cubic feet) 0-250 250 11 3/4 H-40 42# To Surface By Rulle 15.05 Conductor To Surface $\overline{\mathbf{X}}$ 1300 1300 8 5/8 X-42 By Rule 15.01 120**–**23 Fresh water Coal X 4400 4400 150 sacks By Rule 15.01 4% J-55 10洲 Intermediate or as neede Production Depths set Tubing Line. Perforations: Top Bottom OFFICE USE ONLY DRILLING PERMIT 47-107-1378 September 6 Permit number 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. September 6, 1987 Permit expires unless well work is commenced prior to that date and prosecuted with due diligence. Bond: Fee gent: Other

Director,

Division of Oil and Gas

File

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