



IV-35 (Rev 8-81)

DECEIVED

DEC 2 1 1984

OAS DIVISION

Sinde of Mest Airginia Bepartment of Mines Gil und Gas Bivision

Date	Decemb	er 23, 19	84
Opera	tor's		
Well	No	B-595	
Farm	Delbert	S. McCau	ley
	ю. ⁴⁷ –		

OIL & GAS DIVISION
DEPT. OF MINES

WELL OPERATOR'S REPORT

DEPARTURE OF STIMULATING, OR PHYSICAL CHANGE

District: Pleasant County Bard MPANY Berry Energy Consultants & Mgrs. MST. MPANY Berry Energy Consultants & Mgrs. MGRS. MORESS P.O. Box 5, Clarksburg, WVa. 26301 MILLING CONNER Delbert S McCauley, et ux MCCauley, et ux MCCauley et	Casing Tubing Size 11-3 200008 Cond. 13-10" 9 5/8 8 5/8 7 5 1/2 4 1/2 3 2	Used in Drilling	left in Well -0-	Cement fill up Cu. ft.
CSIGNATED AGENT W.B. BERRY CORRESS P.O. Box 5, Clarksburg, WVa. 26301 CREATED AGENT W.B. BERRY CORRESS P.O. Box 5, Clarksburg, WVa. 26301 CREATE OWNER Delbert S McCauley, et ux CORRESS Rt.#3, Phipippi, WVa. 26416 INERAL RIGHTS OWNER Delbert S. McCauley etux CORRESS Rt.#3, Phipippi, WVa. 26416 IL AND GAS INSPECTOR FOR THIS WORK Donald 204 Crab Apple Lane Fairmont, WVa. 26554 CRILLING COMPLETED 11-03-84 CRILLING COMPLETED 11-11-84 TE APPLICABLE: PLUGGING OF DRY HOLE ON	Tubing Size 11-3 20000088 Cond. 13-10" 9 5/8 8 5/8 7 5 1/2 4 1/2 3	Drilling -0-	in Well -0- 1687.25	fill up Cu. ft.
CSIGNATED AGENT W.B. BERRY CORRESS P.O. Box 5, Clarksburg, WVa. 26301 CREATED AGENT W.B. BERRY CORRESS P.O. Box 5, Clarksburg, WVa. 26301 CREATE OWNER Delbert S McCauley, et ux CORRESS Rt.#3, Phipippi, WVa. 26416 INERAL RIGHTS OWNER Delbert S. McCauley etux CORRESS Rt.#3, Phipippi, WVa. 26416 IL AND GAS INSPECTOR FOR THIS WORK Donald 204 Crab Apple Lane Fairmont, WVa. 26554 CRILLING COMPLETED 11-03-84 CRILLING COMPLETED 11-11-84 TE APPLICABLE: PLUGGING OF DRY HOLE ON	Tubing Size 11-3 20000088 Cond. 13-10" 9 5/8 8 5/8 7 5 1/2 4 1/2 3	Drilling -0-	in Well -0- 1687.25	fill up Cu. ft.
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DORESS P.O. Box 5, Clarksburg, WVa. 26301 DRFACE OWNER Delbert S McCauley, et ux DORESS Rt.#3, Phipippi, WVa. 26416 INERAL RIGHTS OWNER Delbert S. McCauley etux DORESS Rt.#3, Phipippi, WVa. 26416 IL AND GAS INSPECTOR FOR THIS WORK Donald 204 Crab Apple Lane Fairmont, WVa. 26554 ERMIT ISSUED October 15, 1984 DRILLING COMPLETED 11-03-84 DRILLING COMPLETED 11-11-84 E APPLICABLE: PLUSGING OF DRY HOLE ON	Tubing Size 11-3 20000088 Cond. 13-10" 9 5/8 8 5/8 7 5 1/2 4 1/2 3	Drilling -0-	in Well -0- 1687.25	fill up Cu. ft.
DDRESS P.O. Box 5, Clarksburg, WVa. 26301 DREACE OWNER Delbert S McCauley, et ux DDRESS Rt.#3, Phipippi, WVa. 26416 INERAL RIGHTS OWNER Delbert S. McCauley etux DDRESS Rt.#3, Phipippi, WVa. 26416 IL AND GAS INSPECTOR FOR THIS WORK Donald 204 Crab Apple Lane Fairmont, WVa. 26554 ERMIT ISSUED October 15, 1984 DRILLING COMPLETED 11-03-84 DRILLING COMPLETED 11-11-84 E ADDITICABLE: PLUGGING OF DRY HOLE ON	Size 11-3 2000088 Cond. 13-10" 9 5/8 8 5/8 7 5 1/2 4 1/2 3	1687.25	1687.25	385 Sks
DREACE OWNER Delbert S McCauley, et ux DDRESS Rt.#3, Phipippi, WVa. 26416 INERAL RIGHTS OWNER Delbert S. McCauley etux DDRESS Rt.#3, Phipippi, WVa. 26416 IL AND GAS INSPECTOR FOR THIS WORK Donald 204 Crab Apple Lane Fairmont, WVa. 26554 ERMIT ISSUED October 15, 1984 DRILLING COMPLETED 11-03-84 DRILLING COMPLETED 11-11-84 E APPLICABLE: PLUGGING OF DRY HOLE ON	2004X88 Cond. 13-10" 9 5/8 8 5/8 7 5 1/2 4 1/2 3	1687.25	1687.25	·
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204 Crab Apple Lane Fairmont, WVa. 26554 ERMIT ISSUED October 15, 1984 PRILLING COMPLETED 11-03-84 PRILLING COMPLETED 11-11-84 E APPLICABLE: PLUGGING OF DRY HOLE ON	5 1/2 4 1/2 3	4891.30	4891.30	·
ERMIT ISSUED October 15, 1984 ORILLING COMPLETED 11-03-84 ORILLING COMPLETED 11-11-84 TEMPORITE PLUGGING OF DRY HOLE ON	4 1/2	4891.30	4891.30	
PRILLING COMPLETED 11-03-84 PRILLING COMPLETED 11-11-84 TARRILLING COMPLETED DIVIGGING OF DRY HOLE ON	3	4891.30	4891.30	
RTILING COMPLETED 11-11-84 F APPLICABLE: PLUGGING OF DRY HOLE ON			ì	525 Sks.
E ADDITIONED: PINGGING OF DRY HOLE ON				
E ADDITIONED: PINGGING OF DRY HOLE ON	1 2			
	Y :			
ONTINUOUS PROGRESSION FROM DRILLING OR REPORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON CONTROL OF THE PROPERTY OF				<u> </u>
EDOLOGICAL TARGET FORMATION Haverty		Dep	th 5600	o'fee
Depth of campleted well 5613' feet	Rotary_x	x / Cabl	le Tools_	
When strata denth: Fresh 80' feet;	Salt	None feet	• •	
Coal seam depths: 325 - 550 - 600'	Is ∞al	being mir	ned in the	area?_N
· 3rd Elk	en in the second se		4833-	-4842
OPEN FLOW DATA 1st Elk Benson	. · ·	··· zone ĉe:		-4462 -4222 fe
Producing formation Benson Riley		ay zone de:	3786	-3878 Pbl
Gas: Initial open flow No Show Nof/d Final open flow 557 Nof/d	011: П	ing con	flav	N/A Pbl
Final open flow (557) Vcf/a	:: 	mar open.	s 4 h	CITE
Time of open flow between init	tial and	inal test	14 ××	AYS
Static rock pressure 1450# psig(surface	œ measur	ement) alt	erwo	are sinc
(If applicable due to multiple completio	n) -		_45	fe
Second producing formation	P	ay zone ce	້ວເນື່	
Ger Initial open flow	Oil: I	mitial ope	ru iiow	
Final open flowMcf/d	Oil: F	mal cocu	ilo.	
Time of open flow between ini Static rock pressurepsig(surface)	tial and	final test	rsh	ours

Fraced: November 29, 1984

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIRULATING, PHYSICAL CHANGE, ETC. 1st Stage: 3rd Elk; 70,000#, 20/40, 308 Bbls. Fluid, 1232 Bbls. Foam, 1,342,000 SCF N₂ 2nd Stage: 1st Elk; 50,000#, 20/40, 258 Bbls. Fluid, 1032 Bbls. Foam, 1,027,500 SCF N₂ 3rd Stage: Benson; 70,000#, 20/40, 332 Bbls. Fluid, 1328 Bbls. Foam, 1,317,112 SCF N₂ 4th Stage: Riley; 80,000#, 20/40, 365 Bbls. Fluid, 1460 Blbs. Foam, 1,260,000 SCF N₂

PERFORATIONS: 3rd Elk; 4833-4842 1st Elk; 4459-4462 Benson; 4218-4222 Riley; 3786-3878

WELL LOG

				REARKS
DODUMENTON COLOR UND	ח חם בחביוי	TOP FEET	BOTTOM FEET	Including indication of all fre
FORMATION COLOR HAR	D OR SOFT	101 11111	2011411	and salt water, coal, oil and c
Sand Brown	Н	0	10	
502.4	M	10	40	
Sand Grey Sand Shale Grey	M	40	72	1/4" Stream @ 45'
Red Rock Red	S	72	93	
Sand & Shale Grey	M	93	102	
	H	102	164	½" Stream @ 109'
· · · · · · · · · · · · · · · · · · ·	S	164	170	Coal
Coal Black Sand & Shale Grey	M	170	204	
_	S	204	229	
Shale Grey Sand & Shale Grey	M	229	255	
	Н	255	287	
	S ·	287	290	Coal
	M.	290	295	
Sand & Shale Grey Coal Balck	S	295	300	Coal
• • • • •	M	300	303	
Sand & Shale Grey Coal Black	S	303	310	Coal
* *	M	310	321	`
Sand & Shale Grey	H	321	345	
Sand White	M .	345	349	
Sand & Shale Grey	s S	349	353	Coal
Coal Balck	M/H	353	358	
Sand & Shale Grey		358	371	Coal & Shale
Coal & Shale B/G	S	371	380	00,11 4 522
Sand & Shale Grey	M	380	400	:
Sand White	Н	400	404	
Bl. Shale Black	S	404	440	
Sand White	Н	1	479	•
Bl. Shale Black	S	440	620	
Sand White	H	479	640	
Sd. & Shale Grey	M	620	643	Coal
Coal Black	S	640	I .	COAL
Sd. & Shale Grey	M	643	798	
Red Rock Red	S	798	830	
Sd. & Shale Grey	H/S	830	870	
Sh. $\&$ R.R. G/R	S	870	905	
Sdy.Shale Grey	M	905	1090	
Little Lime Grey	H	1090	1110	
Shale Grey	S .	1110	1153	
Big Lime Grey	Н	1153	1292	
Big Injun Grey	. S	1192	1339	

(Attack separate sheets as necessary)

(SEE PAGE 2)

(CONTINUED)

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."



Berry Energy Consultants & Mgrs. P.O. Box 5 Clarksburg, W. Va. 26301

WELL NO: B-595

PERMITT NO: 47-001-216%

WELL LOG

					<u> </u>
					RE TARKS
	·.		mon ====	BOTTOM FEET	Including indication of all f
FORMATION COL	OR HARD OR	SOFT -	TOP FEET	10110.12	and salt water, coal, oil and
Sand	Grey	S	1339	1382	
Squaw	Grey	M	1382	1396	- .
Shale	Grey	Н	1396	1530	
Gantz	Grey	M	1530	1550	
Sand	Grey	S	1550	1600	
50Foot	White	М .	1600	1640	
Sand	White	S	1640	1658	
30 Foot	Grey	M	1658	1698	
Shale	Grey	H	1698	2024	Gas Ck @ 1737' - No Show
Gordon	Grey	M	2024	2054	
Red Rock	Red	S	2054	2082	
4th Sand	Grey	M	2082	2094	
Sand & Shale	Grey	M	2094	2139	
5th Sand	Grey/White	M	2139	2165	
Sd. & Shale	Grey	M/H	2165	2827	Gas Ck @ 2408 - No Show
Speechly	Grey	Н	2827	2847	·
Sand	White	S	2 847	2956	
Balltown	Grey	H	2956	2966	
Sd. & Shale	Wh./Grey	M	2966	3770	Gas Ck @ 3530' - No Show
Rileys	Grey	M	3770	3955	
Sand	White	S	3955	4170	-
Benson	Grey	M	4170	4230	1.
Sd. & Shale	Grey	S/H	4230	4408	
1st Elk	Grey	M	4408	4459	
Sand	White	M	4459	4821	Gas Ck @ 4713' - No Show
3rd Elk	White	M	4821	4839	
Shale	Grey	Н	4839	5120	0, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
4th Elk	Brown	M	5120	5126	Gas Ck @ 5211' - No Show
Sd. & Shale	Wh./Grey	M/H	5126	5472	
Haverty	Grey	Н	5472	5540	
Sd. & Shale	Wh./Grey	M/H	5540	5613 TD.	
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DECEIVE
DEC 2 1 1984
OIL & GAS DIVISION
DEPT. OF MINES.

(Attach separate sheets as necessary)

Berry Encry Consultants & Mers.

12-19-54 Date: 12-19-54

Note: Regulation 2.02(i) provides an faller:

"The term 'log' or 'w II log' is the second of will for the second of will for the second of will for the second of the seco

1)	Date:	September	12	19 84
31	Onerotor's			

Operator's
Well No. B-595

3) API Well No. 47 - 001 - 2167

State County Permit

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

								7 I		
4) WELL TY				•	al.					3737
	•		Production				storage		Shallow	_XX/)
5) LOCATIO							Mitchell		7725A	71/1
C WELLOD						County:	Barbour 7) DESIGNATED	Quadrangle: _	- FILLIPPI	1/2
6) WELL OP	P. 0.	Box 5	neigy co	115GIC	uics d rie	<u>, 1 5., 11C.</u>			_	
Address			V 26301				Address	P. 0.		
8) OIL.& GA						7	0) DRILLING CO	Clarks	burg, wv	26301
8) OIL & GA Name	o inspec Dhilli	n ITrac	DE NOLF	HAL	ell B	eall	9) DRILLING CC	INTRACTOR:		
Address	FO		etival	Teri	raceA	nt 24	Address			
Addicas			VV 286/2		86	6-4608	Address			
0) PROPOSE	D WELL	WORK:	Drill X	X			/ Redrill	/ Stimulate	/ /	
-,			Plug of	f old fo	ormation	/ Perfo	orate new formation_	/		
			_							
1) GEOLOGI	CAL TAR	GET FOR	-	•	_					
12) Estima						fee	et			
	_	_				feet; sa	lt, NONE	feet.		
14) Appro	ximate coa	l seam dep	oths:3	325;	550; 60	00 Is c	oal being mined in the	area? Yes	/ No	XX/
5) CASING	AND TUBI	ING PRO	GRAM	,	·					
CASING OR	H	SPEC	CIFICATIONS	i	Ħ	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACK	ERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Conductor	11 3/4	APT	42#	v		30'	30'		Kinds	
Fresh water			112//	^	Z.	630'	630'	CTS N	IL AT	
Coal									Sizes TO	1.
Intermediate	8 5/8	APT	24#	x		1650'	1650'	To SURFACE		
Production	4 1/2	APT	10#	X		5450'	5450'	400 SKS	Depths set	P
Tubing			1 - "					or as re	gue de l	ry Full
Liners									Perforations	15,01
									Top <	B660 m
										84
	<u> </u>								ZŌ	
									[1]	
		 							<u> </u>	
· · · · · · · · · · · · · · · · · · ·		·				FFICE USE				
					וט	RILLING P	EKMIT			
Permit number_	47-00	1-2167						Octob	er 15,	19 84
						-		Da	ate	
							e of permission grante			
							Notification must be pork. In addition, the we			
district oil and								en operator or ms co	initacioi snaii no	tily the proper
The permitted w	ork is as d	lescribed in	n the Notic	e and A	nnlication	plat and reclai	mation plan, subject to	any modifications	and conditions st	necified on the
everse hereof.						piai, ana recia	mation plant, subject to	o uny modifications	and conditions sp	pecifica on the
Permit expires .		Octo	ber 15,	198	<u> </u>	unless we	ell work is commenced	prior to that date and	d prosecuted with	due diligence.
Bond:	Age	_{nr} .—	Plat:	Casing	, F	ee				
18	/		100/1	1000	` . l		X			
10	mh	' /	YHI	rnl	1///	3	M	. , 0	, /	
							11 Jarg	aret .	Nasse	
		6.11					Adahi	nistrator, Office of	Oil and Gas	•
NOTE: Keep	one copy o	this pern	nit posted	at the dr	niling locati	ion.	//			File
							, ,			

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.