

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

IV-35
(REV 8-81)



State of West Virginia

Department of Mines
Oil and Gas Division

JAN 21 1986

Date January 17, 1986
Operator's Well No. Snider #1 Well
Farm
API No. 47 - 017 - 3284 W

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas xx/ Liquid Injection / Waste Disposal /
(If "Gas," Production xx/ Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 969.00 Watershed Buckeye Creek
District: Greenbrier County Doddridge Quadrangle New Milton 7.5'

COMPANY Chesterfield Energy Corporation
ADDRESS 320 Professional Bldg., Clarksburg, WV
DESIGNATED AGENT Samuel J. Cann
ADDRESS 320 Professional Bldg., Clarksburg, WV
SURFACE OWNER Jeffery & Penelope Mills, etal
ADDRESS Rt. #1, Box 345, Salem, WV 26426
MINERAL RIGHTS OWNER John L. & Christine Snider
ADDRESS 328 Canal Street, New Smyrna Beach, FL

OIL AND GAS INSPECTOR FOR THIS WORK Steven
Rt. #1, Box 232-D

Casey ADDRESS Jane Lew, WV 26378

PERMIT ISSUED August 23, 1985

DRILLING COMMENCED N/A

DRILLING COMPLETED N/A 10/06/85

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling in Well	Left in Well	Cement fill up Cu. ft.
Size 20-16			
Cond. 11 3/4			
13x10x			
9 5/8			
8 5/8			
7		N/A	
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon

Depth _____ feet
Depth of completed well 5507' feet Rotary / Cable Tools

Water strata depth: Fresh _____ feet; Salt _____ feet

Coal seam depths: _____ Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Gordon & Gordon Stray Pay zone depth 2712-2824 feet

Gas: Initial open flow 350 Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 350 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 680 psig (surface measurement) after 36 hours shut in

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side) JAN 27 1986

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

Gordon & Gordon Stray 500 bbls 75 quality foam
40,000# 20/40 sand

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
NOT APPLICABLE			

(Attach separate sheets as necessary)

Chesterfield Energy Corporation
Well Operator
By: Samuel P. Lane
Date: January 17, 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 sand, encountered in the drilling of a well."

January 17, 1986
DATE

In Re: Complete Information
requested below:

FRACTURE RECORD

Well Name and No: Snider #1 Well
District: Greenbrier County: Doddridge
Permit No: 47-017-3284 Completion Date: 10/6/85 ✓

Formation Fractured: Gordon & Gordon Stray Material:
2612' - V. 27127 500 BBLs 75 Quality Foam
Bottom 2824' 40,000# 20/40 Sand

Rock Pressure:
Before Fracture _____ Oil -0-
After Fracture 680# Gas 350 mcfs

Test after Fracture:
Samuel J. Howard
Signature
January 17, 1986
Date

COMPANY Chesterfield Energy Corporation
320 Professional Building
Clarksburg, WV 26301

RETURN TO: WEST VIRGINIA DEPARTMENT OF ENERGY
OIL AND GAS DIVISION
1615 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311



Date February 29, 1984
Operator's
Well No. Snider #1
Farm
API No. 47 - 017 - 3284

RECEIVED
MAR 1 - 1984
Department of Mines
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES
WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas XX / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 969.00 Watershed Buckeye Creek
District: Greenbrier County Doddridge Quadrangle New Milton 7.5'

COMPANY Chesterfield Energy Corporation

ADDRESS 320 Professional Bldg., Clarksburg, WV 26301

DESIGNATED AGENT Stanley M. Pickens, President

ADDRESS 320 Professional Bldg., Clarksburg, WV 26301

SURFACE OWNER Jeffery & Penelope Mills, et al

ADDRESS Route #1, Box 345, Salem, WV 26426

MINERAL RIGHTS OWNER John L. & Christina Snider

ADDRESS 328 Canal Street, New Smyrna Beach, FL 32069

OIL AND GAS INSPECTOR FOR THIS WORK Steven

Casey ADDRESS Rt. #2, Box 232-D, Jane Lew, WV
26378

PERMIT ISSUED January 13, 1984

DRILLING COMMENCED January 25, 1984

DRILLING COMPLETED February 2, 1984

IF APPLICABLE: **PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON**

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size			
20-16			
Cond.			
1 5/4			
XXXXXX			
1 Jt.			
9 5/8			
8 5/8		1115.30'	265 SKS
7			
5 1/2			
4 1/2		5386'	220 SKS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander, Benson, Riley, Bradford Depth feet

Depth of completed well 5507' feet Rotary / Cable Tools

Water strata depths: Fresh 85, 195' feet; Salt feet

Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander, Benson, Riley Pay zone depth 4890'-5368' feet

Gas: Initial open flow 20 Mcf/d Oil: Initial open flow Bbl/d

Final open flow 910 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 800 psig (surface measurement) after 48 hours shut in

(If applicable due to multiple completion--)

Second producing formation Bradford Pay zone depth 4474'-4510' feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

MAR 5 1984

(Continue on reverse side)

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

First Stage Alexander, Benson, Riley

Waterfrac with Nitrogen Assist
69,500# 20/40
850 BBL S Sand Laden Fluid
120,000 SCF Nitrogen

Second Stage Bradford

Waterfrac with Nitrogen Assist
27,000# 20/40
365 BBL S Sand Laden Fluid
70,000 SCF Nitrogen

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sand			0	48	Including indication of all fresh and salt water, coal, oil and gas
Sand			48	65	
Shale			65	80	Hole Damp @ 83', 1/4" stream @ 195'
Sand			80	240	
Red Rock & Shale			240	599	1/4" stream @ 1495'
Red Rock & Shale			599	645	
Sand & Shale			645	1468	Gas OK @ 1782' NO SHOW
Sand			1468	1505	
Sand & Shale			1505	1590	Gas OK @ 2125' NO SHOW
Sand			1590	1713	Gas OK @ 2406' NO SHOW
Sand			1713	1895	Gas OK @ 2811' NO SHOW
Sand & Shale			1895	1910	Gas OK @ 2874' NO SHOW
Shale			1910	1939	011 @ 2828' 1/4" stream
Red Rock			1939	1950	
Sand & Shale			1950	2030	Gas OK @ 3284' 4/10-1/2" FM W/W
Lime			2030	2130	
Injun Gas.			2130	2168	Gas OK @ 3759' 4/10-1/2" FM W/W
Sand & Shale			2168	2290	Gas OK @ 4101' 4/10-1/2" FM W/W
Sand			2290	2375	Gas OK @ 4442' 3/10-1/2" FM W/W
Sand & Shale			2375	3400	Gas OK @ 4723' 20/10-1/2" FM W/W
Sand			3400	3440	Gas OK @ 5038' 20/10-1/2" FM W/W
Sand & Shale			3440	4474	Gas OK @ 5475' 15/10-1/2" FM W/W
Bradford			4474	4510	
Sand & Shale			4510	4890	
Alexander, Benson, Riley			4890	5368	
Sand			5368	5507	
TD			5507		

Top Down 2470'

(Attach separate sheets as necessary)

Stanley M. Pickens, President
Chesterfield Energy Corporation

Well Operator

By:

Stanley M. Pickens

Date:

February 29, 1984

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 ... encountered in the drilling of a well."



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

4) WELL TYPE: A Oil Gas
B (If "Gas", Production Underground storage Deep Shallow
5) LOCATION: Elevation: 969.00 Watershed: Buckeye Creek
District: Greenbrier County: Doddridge Quadrangle: New Milton 7.5'
6) WELL OPERATOR Chesterfield Energy Corp. 7) DESIGNATED AGENT Stanley N. Pickens
Address 319-320 Professional Bldg. Address 319-320 Professional Bldg.
Clarksburg, WV 26301

8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name STEVEN CASEY Mike Underwood
Address RT 2, Box 2320, Salem, WV 26436
Janebew, WV 26378 762-1043

10) PROPOSED WELL WORK: Drill / deeper / Redrill / Stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) Alexander

11) GEOLOGICAL TARGET FORMATION, 5475 feet
12) Estimated depth of completed well, 5475 feet
13) Approximate true depths: Fresh, 50 feet; salt, --- feet.
14) Approximate coal seam depths: 660 feet. Is coal being mined in the area? Yes DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used		
Conductor	11 3/4	H-40	42		X	16	
Fresh water							
Coal							
Intermediate	8 5/8	J-55	23	X		1069 1450	Circulate to surface
Production	4 1/2	J-55	10.5	X		5425	Depths set by rule 1505 AS REG BY RULE 15.01
Tubing							Perforations:
Liners							Top
							Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3284 Date January 13, 1984

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.

Permit expires January 13, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>2000</u>	<u>LA MW</u>	<u>MA</u>	<u>MA</u>	<u>2838</u>

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

[Signature]
Administrator, Office of Oil and Gas

File

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





AUG 7 1985 STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
DIVISION OF OIL & GAS APPLICATION FOR A WELL WORK PERMIT
DEPARTMENT OF ENERGY

4) WELL TYPE: A Oil / Gas XX
B (If "Gas", Production) X
5) LOCATION: Elevation: 969.00' Undergrnd storage Buckeye Creek Deep X
District: Greenbrier 163 County: Doddridge Quadrangle: New Milton 7.5'
6) WELL OPERATOR: Chesterfield Energycode: 754-0 7) DESIGNATED AGENT Samuel J. Cann
Address 320 Professional Building Address 320 Professional Building
Clarksburg, WV 26301 Clarksburg, WV 26301

8) OIL & GAS INSPECTOR TO BE NOTIFIED

Name Mike Underwood Name Unknown
Address Route #2, Box 114 Address
Salem, WV 26426

10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate X
Plug off old formation / Perforate new formation X
Other physical change in well (specify)

11) GEOLOGICAL TARGET FORMATION: Gordon 419

12) Estimated depth of completed well, feet
13) Approximate trata depths: Fresh, salt, Is coal being mined in the area? Yes No X
14) Approximate coal seam depths: feet

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OIL SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	For drilling	Left in well		
Conductor							
Fresh water							
Coal				N/A			
Intermediate							
Production							
Tubing							
Liners							

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3284 Frac Date August 23 19 85

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. August 23, 1987 unless well work is commenced prior to that date and prosecuted with due diligence. Permit expires

Bond: <input checked="" type="checkbox"/>	Agent: <u>MU</u>	Plat: <u>MU MU</u>	Casing Fee: <u>5280</u>	WPCP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input checked="" type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

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

