



Well No. 1
Farm Mary Sayre Aults
API # 47 - 029 3903
Date May 17, 1981

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /

LOCATION: Elevation: 1002.0' Watershed: Tappers Creek
District: Union County: Kenawha Quadrangle: Pocatalico 7.5'

WELL OPERATOR Burdette Oil & Gas Co., Inc DESIGNATED AGENT _____
Address P.O. Box 18167, Sta. "C" Address _____
Charleston, WV 25312

OIL AND GAS ROYALTY OWNER Mary Sayre Aults COAL OPERATOR _____
Address 6271 Sissonville, Dr. Address _____
Charleston, WV
Acreage 89.5

SURFACE OWNER Mary Sayre II Aults COAL OWNER(S) WITH DECLARATION ON RECORD:
Address 6271 Sissonville, Dr. NAME _____
Charleston, WV Address _____
Acreage 89.5 NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Martin Nichols
Address P.O. Box 554
Clendenin, WV 25045
Telephone 548-6992

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated _____, 19____, to the undersigned well operator from _____.

(If said deed, lease, or other contract has been recorded:)

Recorded on 29 December, 1981, in the office of the Clerk of County Commission of Kenawha County, West Virginia, in 211 Book at page 243. A permit is requested as follows:

PROPOSED WORK: Drill / Drill Deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

Burdette Oil & Gas Co., Inc.
Well Operator
By: Michael A. Burdette
Its: Executive Vice President

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Burdette Drilling Company

Address P.O. Box 10167, Sta. "C"

Charleston, WV 25312

GEOLOGICAL TARGET FORMATION Criskey

Estimated depth of completed well 5100 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 160 feet; salt, 1275 feet.
Approximate coal seam depths:
Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling	Left in Well		
Conductor	<u>12 3/4</u>		<u>40</u>	<u>X</u>		<u>250</u>	<u>250</u>	<u>Surface</u>	Kinds
Fresh water									
Coal									Sizes
Intermed.	<u>8 5/8</u>		<u>23</u>	<u>X</u>		<u>2100</u>	<u>2100</u>	<u>Surface</u>	
Production	<u>4 1/2</u>		<u>10.5</u>	<u>X</u>		<u>5100</u>	<u>5100</u>	<u>600' fill up</u>	Depths set
Tubing	<u>1 1/2</u>			<u>X</u>			<u>5100</u>		
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-3, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY Drilled without Permit

BY [Signature]

[Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: , 19 .

By:

Its:

RECEIVED



IV-35
(Rev 8-81)

SEP 23 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia

Department of Mines

Oil and Gas Division

Date 16 June 1982

Operator's

Well No. 1A

Farm Mary Sayre Aultz

API No. 47 - 039 - 3903

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1002.0' Watershed Tuppers Creek

District: Union County Kanawha Quadrangle Pocatalico 7.5

COMPANY Burdette Oil & Gas Co., Inc.
ADDRESS P.O. Box 10167, Sta. C, Chas, WV
DESIGNATED AGENT Michael A. Burdette
ADDRESS 5121 Big Tyler Rd, Chas. WV
SURFACE OWNER Mary Sayre Aultz
ADDRESS 6271 Sissonville Dr, Chas, WV
MINERAL RIGHTS OWNER Mary Sayre Aultz
ADDRESS 6271 Sissonville Dr., Chas, WV
OIL AND GAS INSPECTOR FOR THIS WORK Martin Nichols
ADDRESS Box 554, Clendenin, WV
PERMIT ISSUED _____
DRILLING COMMENCED May 12, 1982
DRILLING COMPLETED May 20, 1982
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.			
11 3/4" 11 3/4"	250	250	Surface
9 5/8			
8 5/8	2130	2130	Surface
7			
5 1/2			
4 1/2	5104	5104	290 sks
3			
2 1/2 2 1/2		5075	
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Depth 5114 feet
Depth of completed well 5124 feet Rotary x / Cable Tools _____
Water strata depth: Fresh 220 feet; Salt 1300 feet
Coal seam depths: _____ Is coal being mined in the area? _____

OPEN FLOW DATA
Producing formation Oriskany Pay zone depth 5114-5124 feet
Gas: Initial open flow 120 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 800 psig (surface measurement) after 72 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)

OCT 04 1982

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

Casing set above geological target formation and pay zone drilled and fractured open hole. Fractured with 165 barrels of 28% HCl Acid, 600 barrels water, 60,000 lbs. 20-40 Sand, gel and additives.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand, Shale, Sandy Shale			0	1300	
Salt Sand			1300	1650	Salt Water
Sandy Shale			1650	1745	
Big Lime			1745	1893	
Injun Sand			1893	2060	
Shale & Siltstone			2060	2406	
Coffee Shale			2406	2427	
Berea			2427	2450	
Shale			2450	5012	Gas
Corniferous Lime			5012	5114	
<u>Oriskany</u>			5114	5124	Gas
Total Depth				5124	

(Attach separate sheets as necessary)

Burdette Oil & Gas Co., Inc.
Well Operator

By: Michael A. Burdette

Date: 16 June 1982

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."