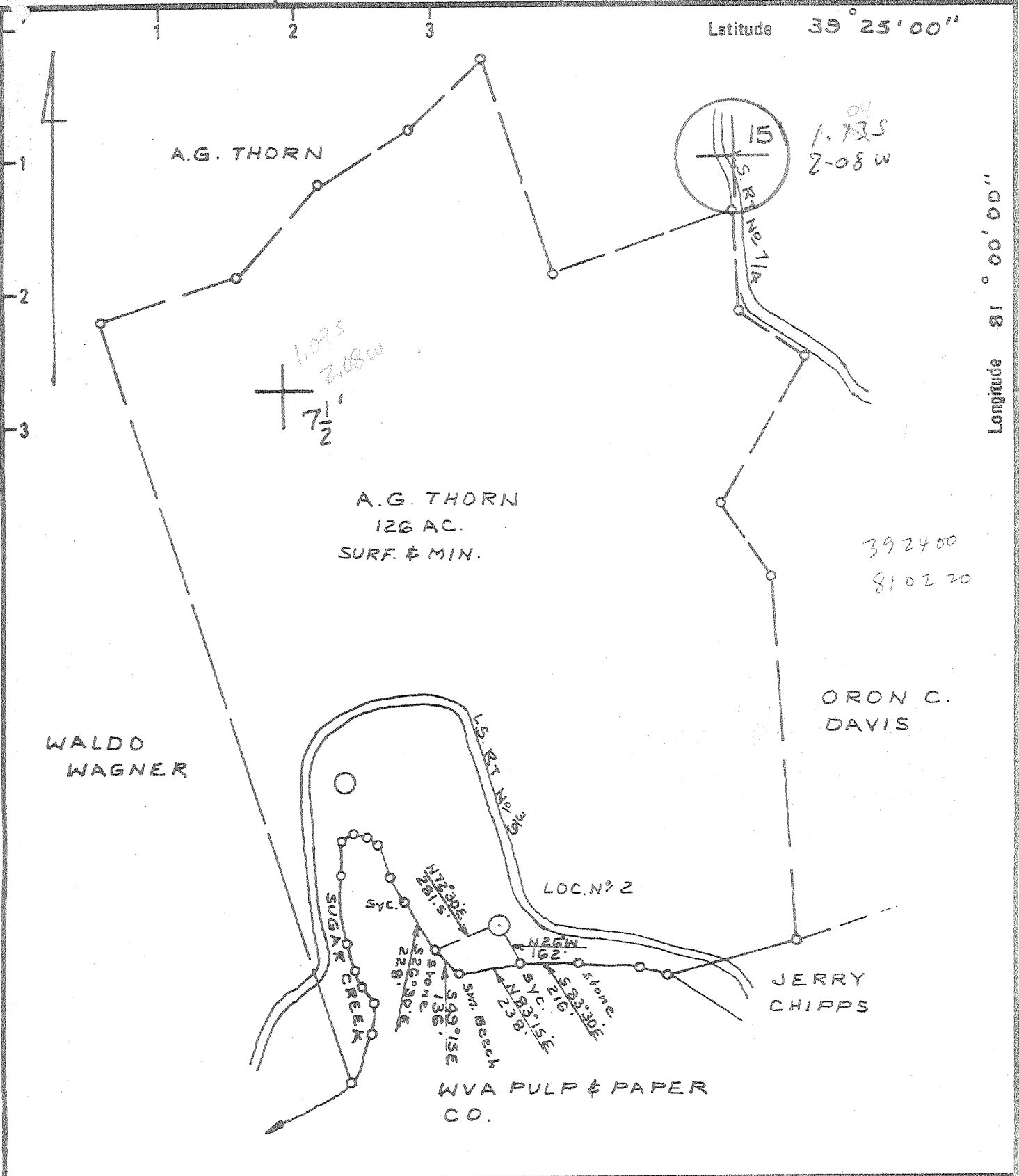


Latitude 39° 25' 00"

Longitude 81° 00' 00"



- New Location
- Drill Deeper
- Abandonment

Company BURDETTE OIL & GAS CO. INC.  
 Address P.O. BOX 10167 STATION "C" CHARLESTON WVA.  
 Farm AUBRA GRACE THORN  
 Tract \_\_\_\_\_ Acres 126 Lease No. \_\_\_\_\_  
 Well (Farm) No. 2 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 671.0' *EC*  
 Quadrangle ST. MARY 15'  
BENS RUN WVA - OHIO  
 County PLEASANTS District UNION  
 Surveyor C. J. Galley Jr.  
 Engineer's Registration No. LLS 92  
 File No. B 45 P 1 Drawing No. \_\_\_\_\_  
 Date 6-20-79 Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. 47-073-0784

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

JUL 17 1979



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary X Oil X  
Cable \_\_\_\_\_ Gas X  
Recycling \_\_\_\_\_ Comb. X  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Quadrangle Bens Run

Permit No. 0784 (073)

Company Burdette Oil & Gas Co., Inc.  
Address P. O. Box 10167 Sta. "C" Charleston, WV  
Farm Aubra Grace Thorn Acres 126  
Location (waters) Sugar Creek  
Well No. #4 Elev. 671.0  
District Union County Plesants  
The surface of tract is owned in fee by Aubra Grace Thorn Heirs

Address \_\_\_\_\_  
Mineral rights are owned by Aubra Grace Thorn Heirs Address \_\_\_\_\_

Drilling Commenced 6-22-79  
Drilling Completed 6-26-79  
Initial open flow 100,000 cu. ft. bbls.  
Final production \_\_\_\_\_ cu. ft. per day bbls.  
Well open \_\_\_\_\_ hrs. before test 1800 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	250	250	Cement to Surf.
7			
5 1/2			
4 1/2			
3			
2 7/8	2700	2700	100 Sacks
Lines Used			

Well treatment details:

Attach copy of cementing record.

500 Gals. of 28% HCL Acid of Hydraulic Water Fracture.  
1000 bbls. of water, 40,000 lbs. - 80/100 Mesh Sand. 20,000 lbs. of  
20/40 Mesh Sand.  
200,000 cu. ft. of Nitrogen

Coal was encountered at 0 Feet 0 Inches  
Fresh water 35 Feet Salt Water 1400 Feet  
Producing Sand Gordon and Fifth Sand Depth 2707

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Clay	Yellow	Soft	0	30		
Sandstone	Gray	Hard	30	60		
Shale	Gray	Soft	60	188		
Shale	Red	Soft	188	226		
Sandstone	Gray	Hard	226	285		
Sand/Shale	Gray	Soft	285	601		
Cow Run			601	1006		
1st Salt Sand			1060	1115		
2nd Salt Sand			1166	1210		
3rd Salt Sand			1261	1287		
Maxon			1416	1443		
Big Lime			1476	1553		
Keener			1590	1620		
Injun			1639	1703		
Squaw			1727	1743		
Welch Stray			1972	1990		
Berea			2033	2041		
50 Foot			2206	2258		
30 Foot			2309	2344		
Gordon Stray			2466	2487		
Gordon			2512	2533	Gas	
4th Sand			2566	2589		
5th Sand			2664	2707		Light show of gas.

*Michael A. Burdette*



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

JUN 29 1979

Oil and Gas Division  
OIL & GAS DIVISION  
DEPT. OF MINES  
OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE June 27, 1979

Surface Owner Aubra Grace Thorn  
Address Bens Run, W.Va.  
Mineral Owner Same  
Address \_\_\_\_\_  
Coal Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

Company Burdette Oil & Gas Co., Inc.  
Address P. O. Box 10167, Station "C"  
Farm Aubra Grace Thorn Acres 126  
Location (waters) Sugar Creek  
Well No. 84 Elevation 671'0"  
District Union County Pleasants  
Quadrangle Bens Run

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 3-2-80

*Robert H. [Signature]*

GENTLEMEN: Director - Oil & Gas Division

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated May 7, 1979 by Aubra Grace Thorn made to Burdette Oil & Gas Co. and recorded on the 10th day of May 1979, in Pleasants County, Book 8547 Page 8290

NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  
\_\_\_\_\_ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) I. G. Burdette  
Well Operator

Burdette Oil & Gas Co.

Address  
of  
Well Operator

Street  
P. O. Box 10167, Station "C"

City or Town  
Charleston, W. Va. 25312

State

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

*BURDETTE OIL & GAS CO.*

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO  DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME \_\_\_\_\_ NAME L. G. Burdette  
 ADDRESS \_\_\_\_\_ ADDRESS 5121 Big Tyler Road  
 TELEPHONE \_\_\_\_\_ TELEPHONE 776-3767  
 ESTIMATED DEPTH OF COMPLETED WELL: 2700 ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Gordon  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8 <u>8-5/8"</u>	<u>200'</u>	<u>200'</u>	<u>25 sacks</u>
7			
5 1/2			
4 1/2			
3			Perf. Top
2 <u>2-7/8"</u>	<u>2700'</u>	<u>2700'</u>	Perf. Bottom <u>120 sacks</u>
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET SALT WATER \_\_\_\_\_ FEET

APPROXIMATE COAL DEPTHS \_\_\_\_\_

IS COAL BEING MINED IN THE AREA? \_\_\_\_\_ BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title