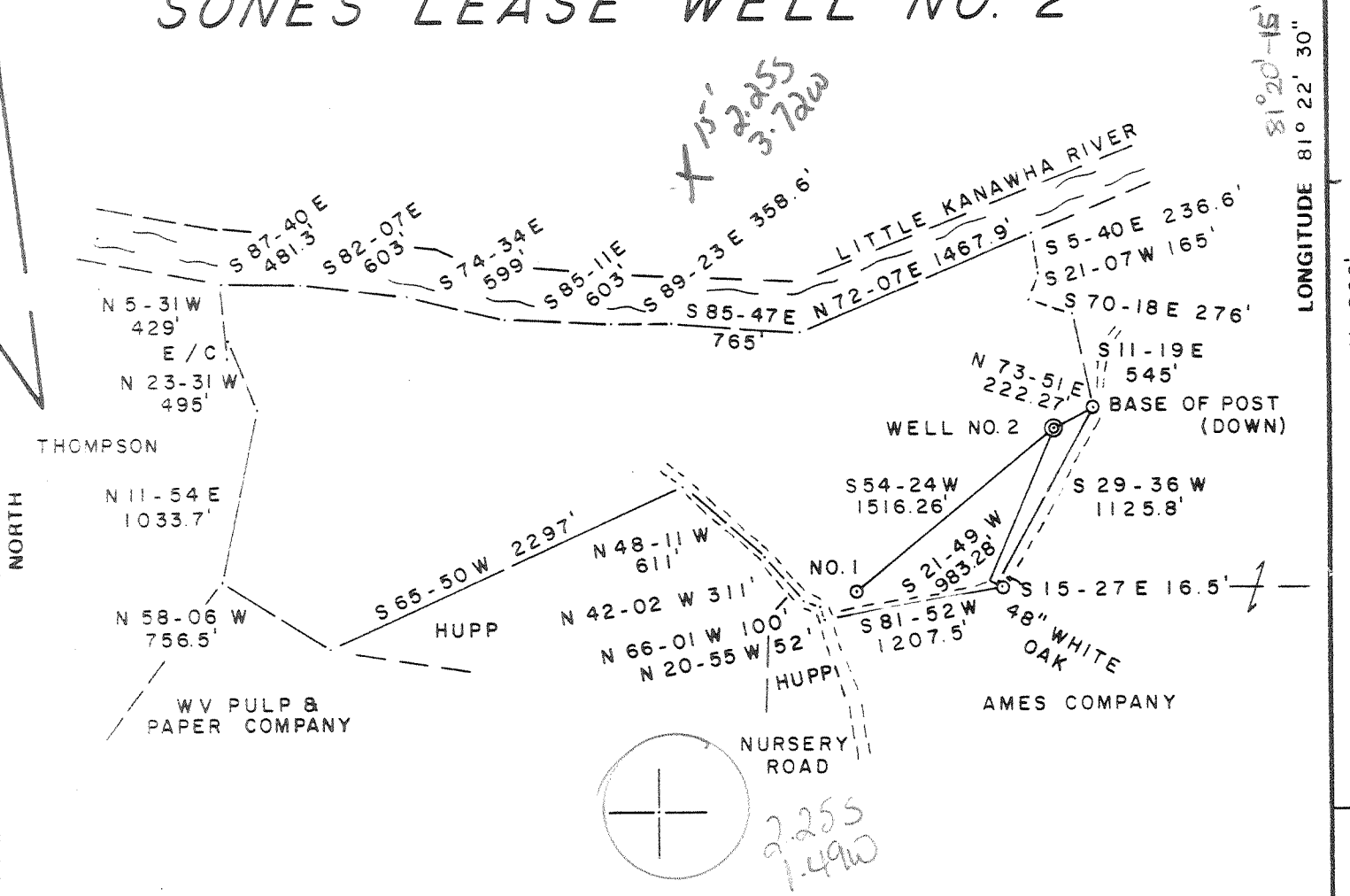


LATITUDE 39°10'00"

Plot Card CSD

SONES LEASE WELL NO. 2



193.4 ACRES ±

NOTE: NO WELLS SHOWN WITHIN 1200'

FILE NO. 12-27
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
ELEV. 1016'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Gregory A. Smith
 R.P.E. _____ L.L.S. 677

PLACE SEAL HERE

(-) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE OCTOBER 6, 19 83
 OPERATOR'S WELL NO. 2
 API WELL NO. 47-105-1136
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION ELEVATION 648' WATER SHED LITTLE KANAWHA RIVER
 DISTRICT NEWARK 4 COUNTY WIRT
 QUADRANGLE KANAWHA 7.5'413 Elizabeth 19 C5
 SURFACE OWNER ROY E. & MARILYN E. SONES ACREAGE 193.4
 OIL & GAS ROYALTY OWNER ROY E. & MARILYN E. SONES LEASE ACREAGE 193.4
 LEASE NO. _____
 PROPOSED WORK DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION MARCELLUS 113 ESTIMATED DEPTH 5200'
 WELL OPERATOR BRAXTON OIL & GAS CORP. DESIGNATED AGENT JOHN O KIZER
 ADDRESS QUAIL CREEK NORTH OFFICE BLDG. ADDRESS CHARLESTON NATIONAL PLAZA
OKLAHOMA CITY, OK CHARLESTON, WV 25311

MAR 12 1984

DEEP WELL 6-6 unnamed (2)

RECEIVED
JUL 16 1984



State of West Virginia
DEPT. OF MINES, OIL & GAS DIVISION
Department of Mines
Oil and Gas Division

Date July 6, 1984
Operator's Well No. No. 2
Farm Sones
API No. 47-105-1136

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 ___ / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 648 Watershed Little Kanawha River
District: Newark County Virt Quadrangle Kanawha 7.5'

COMPANY Braxton Oil & Gas Corporation
ADDRESS 11032 Quail Ok. Rd., Suite 165
Oklahoma City, OK 73120

DESIGNATED AGENT Donald S. Garvin, P.O. Box 436
ADDRESS Buckhannon, W. Va 26201

SURFACE OWNER Roy & Marilyn Sones
ADDRESS Rt 3, Bx 100-D, Elizabeth, WV 26413

MINERAL RIGHTS OWNER Same as surface
ADDRESS Same as surface

OIL AND GAS INSPECTOR FOR THIS WORK Homer Daugherty
ADDRESS Box 3-A, Linden Rd., Looneyville, WV 25259

PERMIT ISSUED March 8, 1984

DRILLING COMMENCED May 15, 1984

DRILLING COMPLETED May 21, 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.			
13-10"			
11 3/4	250	250	140 sks.
8 5/8	1905	1905	120 sks.
7			
5 1/2			
4 1/2	5108	5108	510 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 3130-4955 feet

Depth of completed well 5221 feet Rotary X / Cable Tools

Water strata depth: Fresh 35' feet; Salt 1720, 2" stream

Coal seam depths: 1275 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Devonian Shale 400 Pay zone depth 3130-4955 feet

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

Final open flow (140) Mcf/d Final open flow - Bbl/d

Time of open flow between initial and final tests 4 hour

Static rock pressure 650 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 13 1984

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

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

Frac - June 4, 1984

1st Stage - Perforated 4755-4955, 15 holes *Phinestreet*
Breakdown @ 1170#, 2600 AV Treatment, 36 AV Rate,
1,000 gal. acid, 33,000 20/40 sand, 420,000 cubic feet
of nitrogen, ISIP 2100 PSI

2nd Stage - Perforated 4250-4270, 15 holes *Saw*
Breakdown @ 2900#, 2200 AV Treatment, 36 AV Rate, 500
gal. acid, 34,000 20/40 sand, 445,000 cubic feet of nitrogen,
ISIP 1800 PSI

3rd Stage - Perforated 3130-3162, 16 holes *Huron*
Breakdown @ 2750#, 2400 AV Treatment, 40 AV Rate, 500 gal acid,
186 BBLS of water with foam, 34,000 20/40 Sand, 43,000 cubic
feet of nitrogen, ISIP 1310 PSI

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 and Shale			0	290	
Sand			290	325	
Sand and Shale			325	700	
Red Rock			700	775	Hole damp
Sand			775	790	
Red Rock			790	860	
Sand			860	875	
Red Rock			875	895	
Sand and Shale			895	975	
Sand and Shale			975	1275	
Coal			1275	1280	
Shale and Sand			1280	1530	
Big Lime			1530	1648	
Big Injun			1648	1730	2" stream of water @ 1720
Shale			1730	1765	
Weir Sand			1765	1800	
Sandy Shale			1800	1830	
Berea Sand			1830	1862	
Devonian Shale			1862	5170	Gas show at 4907 & 3179'
Chert <i>onondaga</i>			5170	5210	TD

5210
 $\frac{648}{4562}$

5210
 $\frac{1862}{3348}$

BRAXTON OIL AND GAS CORP.

(Attach separate sheets as necessary)

Donald S. Garvin
Well Operator

By: Donald S. Garvin - President

Date: 7/10/84

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."



1) Date: February 15, 19 84
 2) Operator's Well No. Two (2) Sones
 3) API Well No. 47 - 105 - 1136
 State County Permit

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

- 4) WELL TYPE: A Oil X / Gas X /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 648 Watershed: Little Kanawha River
 District: Newark County: Wirt Quadrangle: Kanawha 7.5
- 6) WELL OPERATOR Braxton Oil and Gas Corp. 7) DESIGNATED AGENT John O. Kizer, C. T. Corp.
 Address 11032 Quail Creek Rd., Suite 165 Address 1200 Charleston Nat'l Plaza
Oklahoma City, Ok 73120 Charleston, W. Va 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Homer Dougherty Name Unknown
 Address Box 3-A, Linden Road Address _____
Looneyville, West Virginia 25259
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Marcellus Shale
- 12) Estimated depth of completed well, 5200 feet
 13) Approximate trata depths: Fresh, 100 feet; salt, 200 feet.
 14) Approximate coal seam depths: none Is coal being mined in the area? Yes No
- 15) CASING AND TUBING PROGRAM

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 FEB 21 1984

OIL & GAS DIVISION
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	8 5/8	CW	20#	X		748 2000	748 2000	500 CTS	NEAT
Coal									Sizes
Intermediate									
Production	4 1/2	ERW	10 1/2#	X		5200	5200	300 SX	Depths set
Tubing								OR AS	req. by rule
Liners									Perforations: 1501
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-105-1136 Date March 8, 19 84

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 March 8, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>13B</u>	Agent: <u>MH</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>9264</u>
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[Signature]

Administrator, Office of Oil and Gas

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