

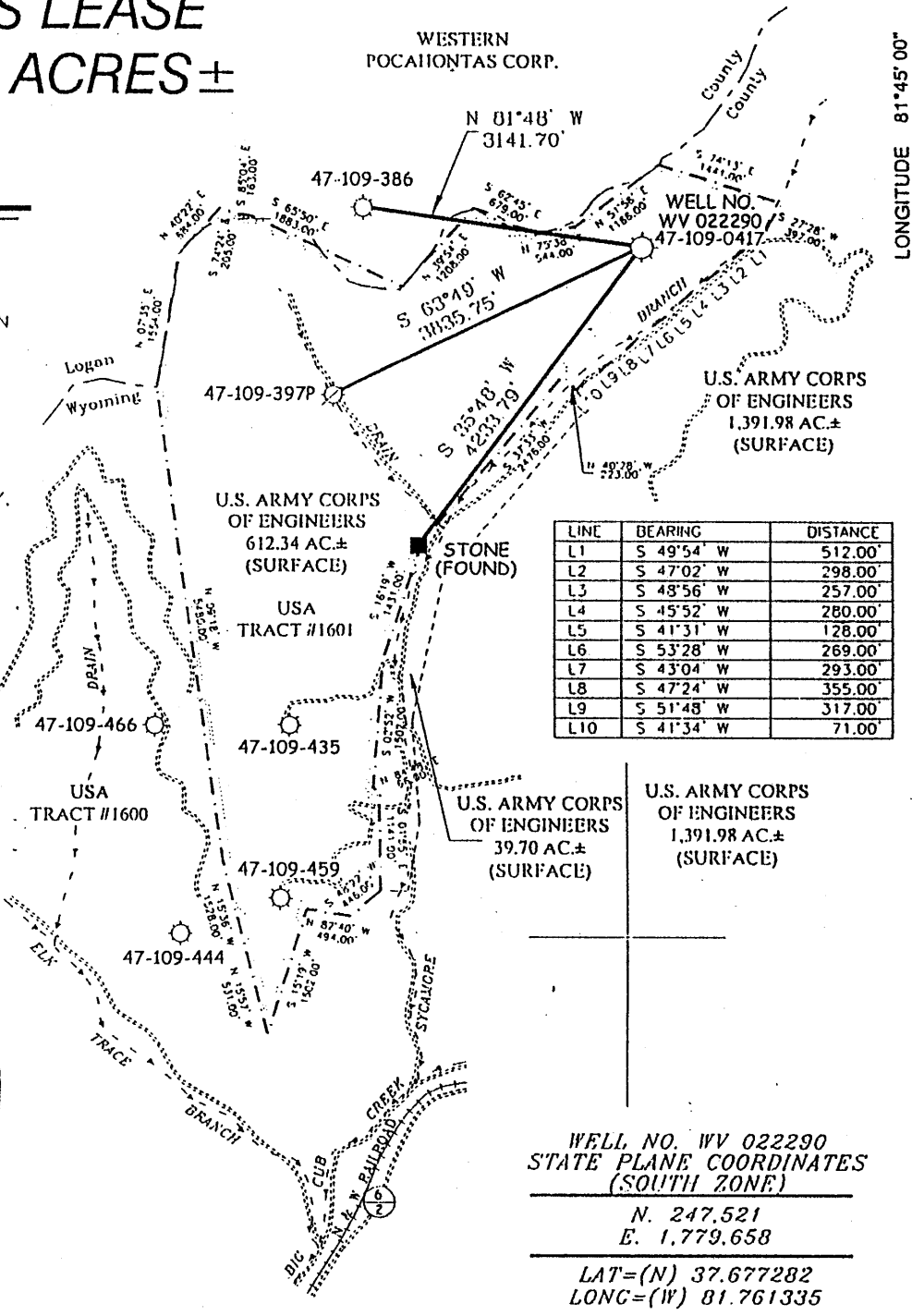
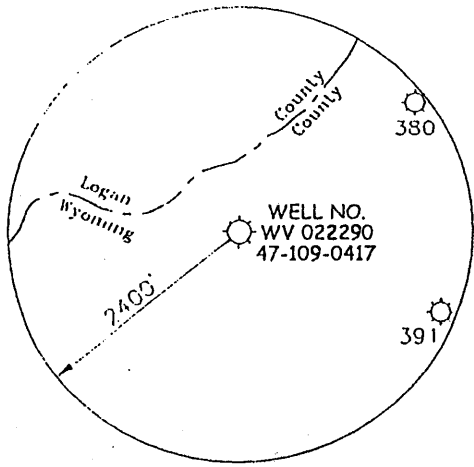
ANNE H. STOKES LEASE

612.34 OF 1,270 ACRES ±

NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 7/15/03.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 311 PAGE 170.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF WYOMING COUNTY IN JULY, 2003.
5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. WELL WAS PREVIOUSLY KNOWN AS STOKES #2.

WELL NO.
WV 022290
47-109-0417



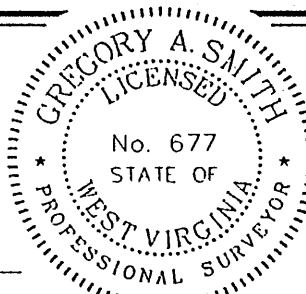
LINE	BEARING	DISTANCE
L1	S 49°54' W	512.00'
L2	S 47°02' W	298.00'
L3	S 48°56' W	257.00'
L4	S 45°52' W	280.00'
L5	S 41°31' W	128.00'
L6	S 53°28' W	269.00'
L7	S 43°04' W	293.00'
L8	S 47°24' W	355.00'
L9	S 51°48' W	317.00'
L10	S 41°34' W	71.00'

WELL NO. WV 022290
 STATE PLANE COORDINATES
 (SOUTH ZONE)
 N. 247.521
 E. 1,779.658
 LAT=(N) 37.677282
 LONG=(W) 81.761335



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE SEPTEMBER 8, 20 03
 OPERATORS WELL NO. WV 022290
 API WELL NO. 47 - 109 - 0417D
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4313P022290 (141-77)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2000'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION:
 ELEVATION 1,867' WATERSHED SYCAMORE BRANCH OF BIG CUB CREEK
 DISTRICT CLEAR FORK COUNTY WYOMING QUADRANGLE MALLORY 7.5'

SURFACE OWNER U. S. ARMY CORPS OF ENGINEERS (R. D. BAILEY LAKE) ACREAGE 612.34±
 ROYALTY OWNER HELEN MORRISON ETTENGER AND FIRST CITIZENS BANK AND TRUST CO. ET AL LEASE ACREAGE 1,270±
 PROPOSED WORK: LEASE NO. WV 005597

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
 FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION DEVONIAN SHALE
 ESTIMATED DEPTH 6,290'

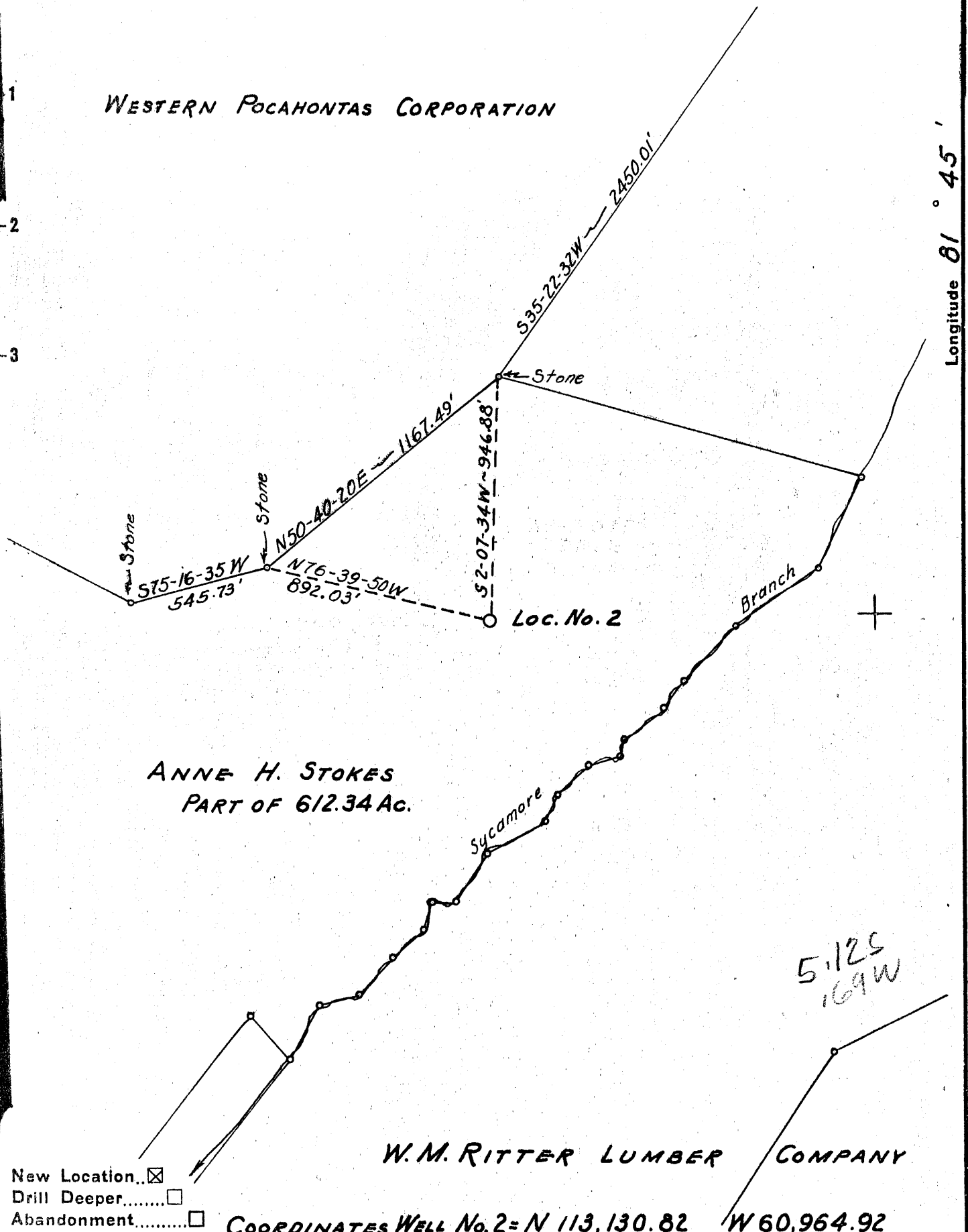
WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT STEPHEN G. PERDUE
 ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302 ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302

COUNTY NAME WYO PERMIT 0417D

Latitude 37° 45'

Longitude 81° 45'

WESTERN POCAHONTAS CORPORATION



ANNE H. STOKES
PART OF 612.34 AC.

W. M. RITTER LUMBER COMPANY

5,125
169W

- New Location...
- Drill Deeper.....
- Abandonment.....

COORDINATES WELL No. 2 = N 113,130.82 W 60,964.92

Company UNITED PRODUCING CO. INC.
 Address CHARLESTON, W. VA.
 Farm ANNE H. STOKES
 Tract _____ Acres 612.34 Lease No. PT. 5597
 Well (Farm) No. 2 Serial No. 2229
 Elevation (Spirit Level) 1825.8 GR.
 Quadrangle GILBERT
 County WYOMING District CLEAR FORK
 Engineer H. J. Shupe
 Engineer's Registration No. 2429 Ky.
 File No. 15-B Drawing No. _____
 Date 10-5-54 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. Wyo-417

not needed

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 6

Hilbert

WELL RECORD

Permit No. WYO-417

Oil or Gas Well Gas
(KIND)

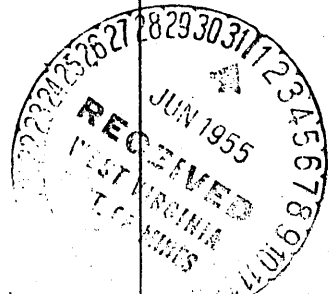
Company United Producing Company, Inc.
Address Box 1913, Charleston 27, W. Va.
Farm Anne H. Stokes Acres 612.34
Location (waters) Sycamore Branch of Big Cub Creek
Well No. 2 (2229) Elev. 1829.3'DF
District Clear Fork County Wyoming
The surface of tract is owned in fee by E. Lloyd Ettenger et al
3110 Cathedral Ave. NW Address Washington, D. Ca.
Mineral rights are owned by Same

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			10 3/4" Bottom hole packer set at 943'
16			Kind of Packer
18 3/8"	33'	33'	Comb. wall & anchor
20 3/4"	943'	943'	Size of 2 3/8" X 7"
8 1/2 5/8"	2108'	2108'	
6 5/8 7" OD	3060'	3060'	Depth set 3348'
5 3/16			
3			Perf. top 3968'
2 3/8"	3999'	3999'	Perf. bottom 3999'
Liners Used			Perf. top
			Perf. bottom

Drilling commenced November 23, 1954
Drilling completed April 29, 1955
Date Shot 5-2-55 From 3959' To 3999'
With 200 qts. nitroglycerine
Open Flow 80/10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 377,000 Cu. Ft.
Rock Pressure 650 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 81 feet _____ feet
Salt water _____ feet _____ feet

CASING CEMENTED 8 5/8" SIZE 24' No. Ft. 2-17-55 Date
COAL WAS ENCOUNTERED AT 26 FEET 48 INCHES
744 FEET 60 INCHES 1612 FEET 48 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	16			
Slate & Shells			16	26			
Coal			26	30			
Sand			30	81	Water	81'	1/2 blr. per hr.
Slate			81	229			
Sand		Broken	229	252			
Slate			252	261			
Slate & Shells			261	449			
Sand			449	512			
Slate			512	697			
Sand			697	720			
Slate & Shells			720	744			
Coal			744	749			
Slate & Shells			749	824			
Sand			824	902			
Slate			902	928			
Sand			928	1175			
Slate & Shells			1175	1359			
Sand			1359	1612			
Coal			1612	1616			
Slate			1616	1616			
Sand			1616	1708			
Slate & Shells			1708	1767			
Sand			1767	1971	Gas	1805'	show
Slate & Shells			1971	2002	Gas	1890'	show
Sand			2002	2140			
Slate & Shells			2140	2148			
Sand			2148	2167			
Slate & Shells			2167	2187			
Sand			2187	2247			
Slate & Shells			2247	2272			
Red Rock			2272	2282			
Lime			2282	2378			
Sand			2378	2520			
Red Rock			2520	2571			
Sand			2571	2614			
Lime			2614	2813			
Slate			2813	2818			
Lime			2818	2865			
Lime	Red		2865	2900			



Formation	Color	Hard or Soft	Top ⁶	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			2900	2919			
Little Lime			2919	2935			
Slate & Shells			2935	3017			
Big Lime			3017	3043			
Slate Break			3043	3053			
Big Lime			3053	3378	Gas	3331'	Smell
Red Rock			3378	3392			
Sand			3392	3459			
Lime			3459	3502			
Sand	Red		3502	3524			
Slate & Shells			3524	3947			
Shale	Brown		3947	3959			
Berea Sand			3959	3998			
Slate & Shells			3998	4004			
TOTAL DEPTH				4004'			
Filled back to				3999'			

Date May 16, 1955

APPROVED UNITED COMPANY, INC., Owner