

M

Latitude 37° 40'

Longitude 81° 45'

WESTERN POCAHONTAS CORPORATION

ANNIE H. STOKES  
612.34 AC.

Topo. Loc.

#3

N9-41-57W ~ 5459.86'

Set Stone ← S59-15-27E ~ 686.80'

Loc. No. 4  
N365-06-10E ~ 429.01'

Set Stone N83-37W  
497.16'

N16-30W ~ 2049.70'

S15-29W ~ 1487.58'

Branch

Sycamore

H.W.

Stk.

Prop. Line is  
100' Below  
Bens Ck. Outcrop

W. M. RITTER LUMBER COMPANY

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

Coordinates A.H. Stokes No.4 N 105,625.30 W 64,952.30

Company UNITED PRODUCING CO., INC.  
 Address CHARLESTON, W. VA.  
 Farm ANNIE H. STOKES  
 Tract \_\_\_\_\_ Acres 612.34 Lease No. 5597  
 Well (Farm) No. 4 Serial No. 2476  
 Elevation (Spirit Level) 1564.9 = GR  
 Quadrangle GILBERT EC  
 County WYOMING District CLEAR FORK  
 Engineer E. W. Withrow  
 Engineer's Registration No. 1377 Ky.  
 File No. 4-A Drawing No. \_\_\_\_\_  
 Date JAN. 10, 1956 Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 API. - 47.109-00459  
**WELL LOCATION MAP**  
 FILE NO. WYO-459

+ 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.

6-6 622 (266)

Formation	Color	Hard or Soft	Top / 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			2176	2213			
Slate			2213	2245			
Sand			2245	2275			
Red Rock			2275	2335			
Lime			2335	2390			
Slate & Shells			2390	2435			
Sand			2435	2563			
Red Rock			2563	2571			
Slate & Shells			2571	2598			
Lime		Gritty	2598	2608			
Slate			2608	2624			
Red Rock			2624	2658			
Lime			2658	2663			
Sand			2663	2690			
Slate & Shells			2690	2732			
Pencil Cave			2732	2740			
Little Lime			2740	2815	Gas	2922'	show
Slate			2815	2821	Gas	2975-2977'	4/10 W 1" 21MCF
Big Lime			2821	3110	Gas	3004-3008'	show
Injun Sand			3110	3226	Gas	3114-3124'	26/10 W 1" 54M
Weir Shells			3226	3400	Gas	3135-3140'	6/10 W 1" 26M
Slate & Shells			3400	3713	Gas	3140-3148'	9/10 W 1" 32M
Shale	Brown		3713	3721	Gas	3470'	10/10 W 1" 33M
Berea Grit			3721	3764	Gas	3745'	20/10 W 1" 47M
Slate			3764	3775	Gas	3749-3751'	3 1/2/10 W 1" 61M
TOTAL DEPTH				3775'	Gas	3764'	21/10 W 1" 48M

Date September 20, 1956

APPROVED UNITED PRODUCING COMPANY, INC., Owner

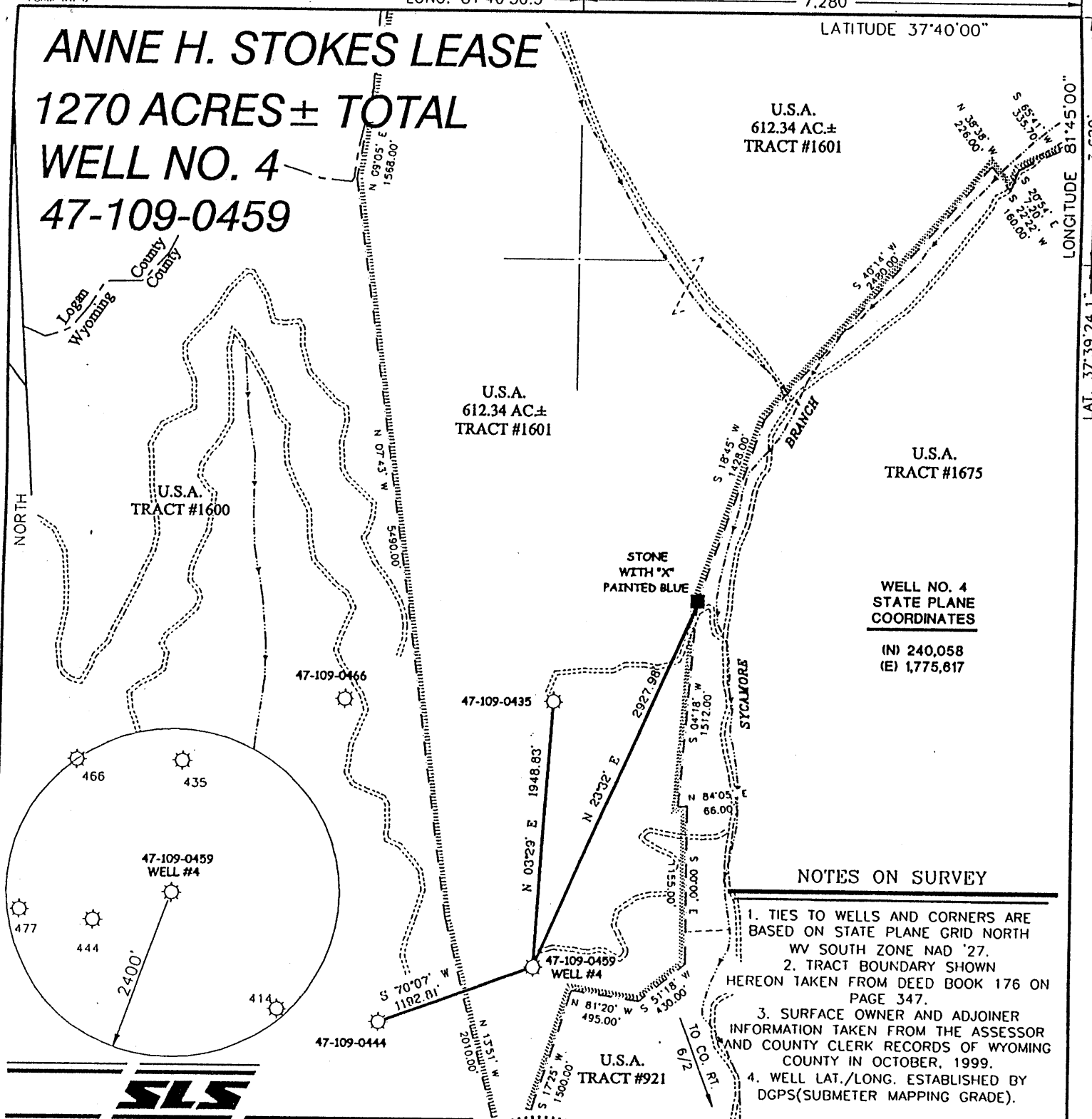
By [Signature]  
Eastern (Title) Area Manager,

# ANNE H. STOKES LEASE

## 1270 ACRES ± TOTAL

### WELL NO. 4

### 47-109-0459



**WELL NO. 4  
STATE PLANE  
COORDINATES**

(N) 240,058  
(E) 1,775,817

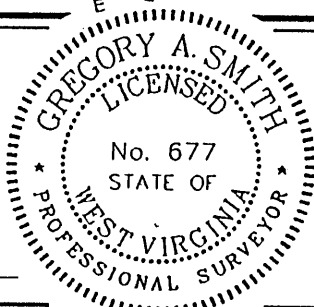
#### NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. TRACT BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 176 ON PAGE 347.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF WYOMING COUNTY IN OCTOBER, 1999.
4. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



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 ENERGY.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JANUARY 27, 20 00

OPERATORS WELL NO. ANNE H. STOKES #4


API WELL NO. 47 - 109 - 0459D

STATE WYOMING COUNTY WYOMING PERMIT CANCELLED

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4313P4 (84-39)

PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 1154' SCALE 1" = 1000'

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 1562' WATERSHED SYCAMORE BRANCH OF BIG CUB CREEK  
DISTRICT CLEAR FORK COUNTY WYOMING QUADRANGLE MALLORY 7.5'

SURFACE OWNER U.S.A. (TRACT #1601) ACREAGE 612.34

ROYALTY OWNER MARY ANN ETINGER THOMPSON et al LEASE ACREAGE 612.34 OF 1270

PROPOSED WORK :  
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

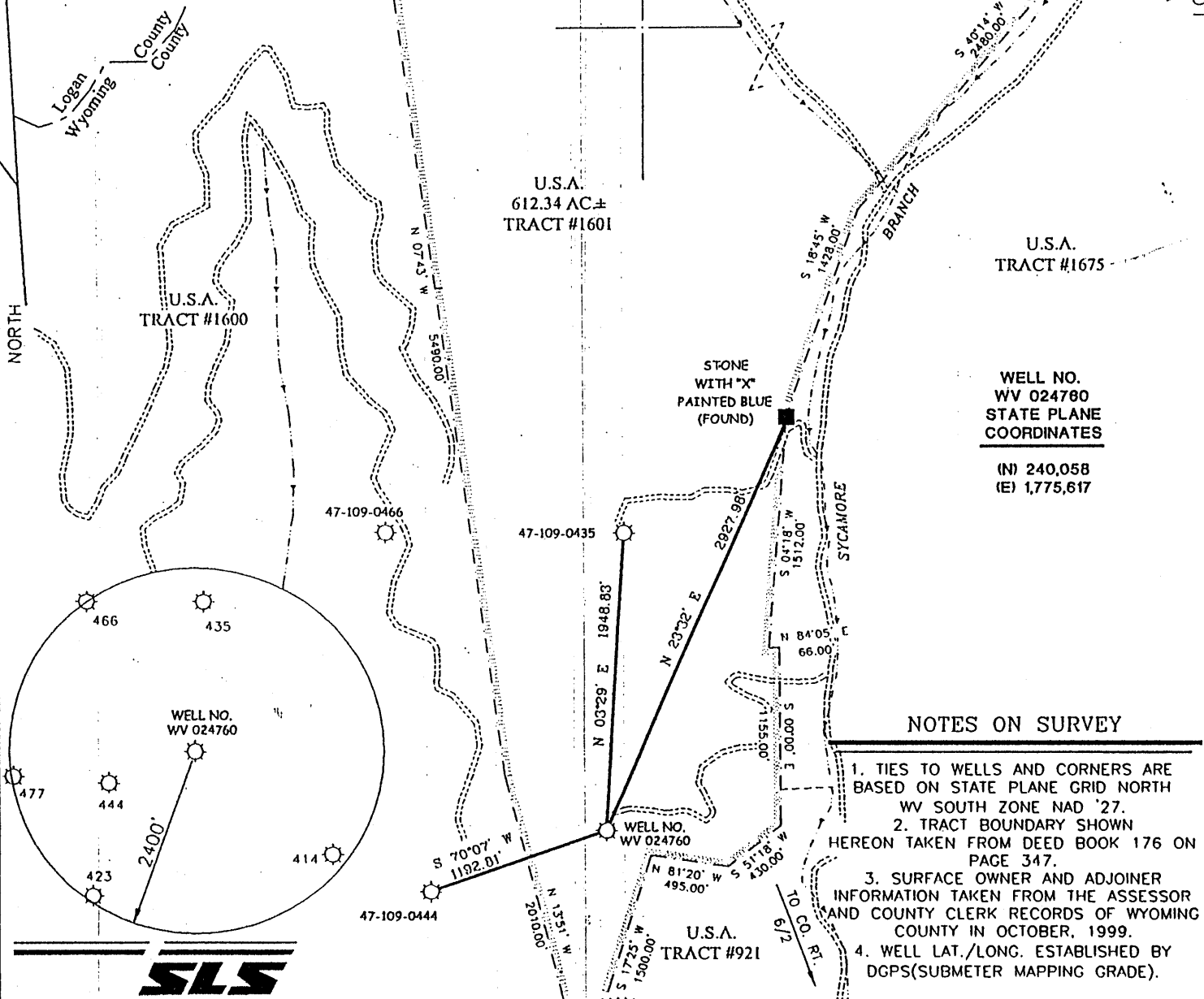
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION DEVONIAN SHALE  
ESTIMATED DEPTH 6100'

WELL OPERATOR EASTERN STATES OIL AND GAS, INC. DESIGNATED AGENT ROBERT ALLEY JUN 06 2003

ADDRESS P.O. BOX 2347 CHARLESTON, WV 25328 ADDRESS P.O. BOX 2347 CHARLESTON, WV 25328

COUNTY NAME WYO PERMIT 0459 CANCELLED

# ANNE H. STOKES LEASE 1270 ACRES ± TOTAL WELL NO. WV 024760



WELL NO.  
WV 024760  
STATE PLANE  
COORDINATES  
  
(N) 240,058  
(E) 1,775,617

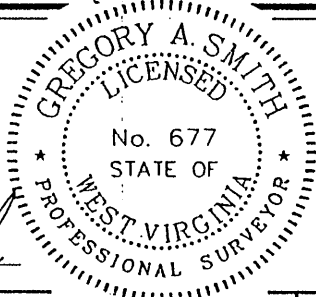
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P.S. 677

*Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JUNE 4, 2002

OPERATORS WELL NO. WV 024760

API WELL NO. 47 - 109 - 0459D  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4313P024760 (84-39) & (117-54)  
PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 1154' SCALE 1" = 1000'

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



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DISTRICT CLEAR FORK COUNTY WYOMING QUADRANGLE MALLORY 7.5'

SURFACE OWNER U.S.A. (TRACT #1601) R. D. BAILEY LAKE ACREAGE 612.34

ROYALTY OWNER MARY ANN ETTINGER THOMPSON et al LEASE ACREAGE 612.34 OF 1270

PROPOSED WORK : LEASE NO. 05597

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 6,020'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT STEPHEN G. PERDUE  
ADDRESS P.O. BOX 2347, CHARLESTON, WV 25328 ADDRESS P.O. BOX 2347, CHARLESTON, WV 25328

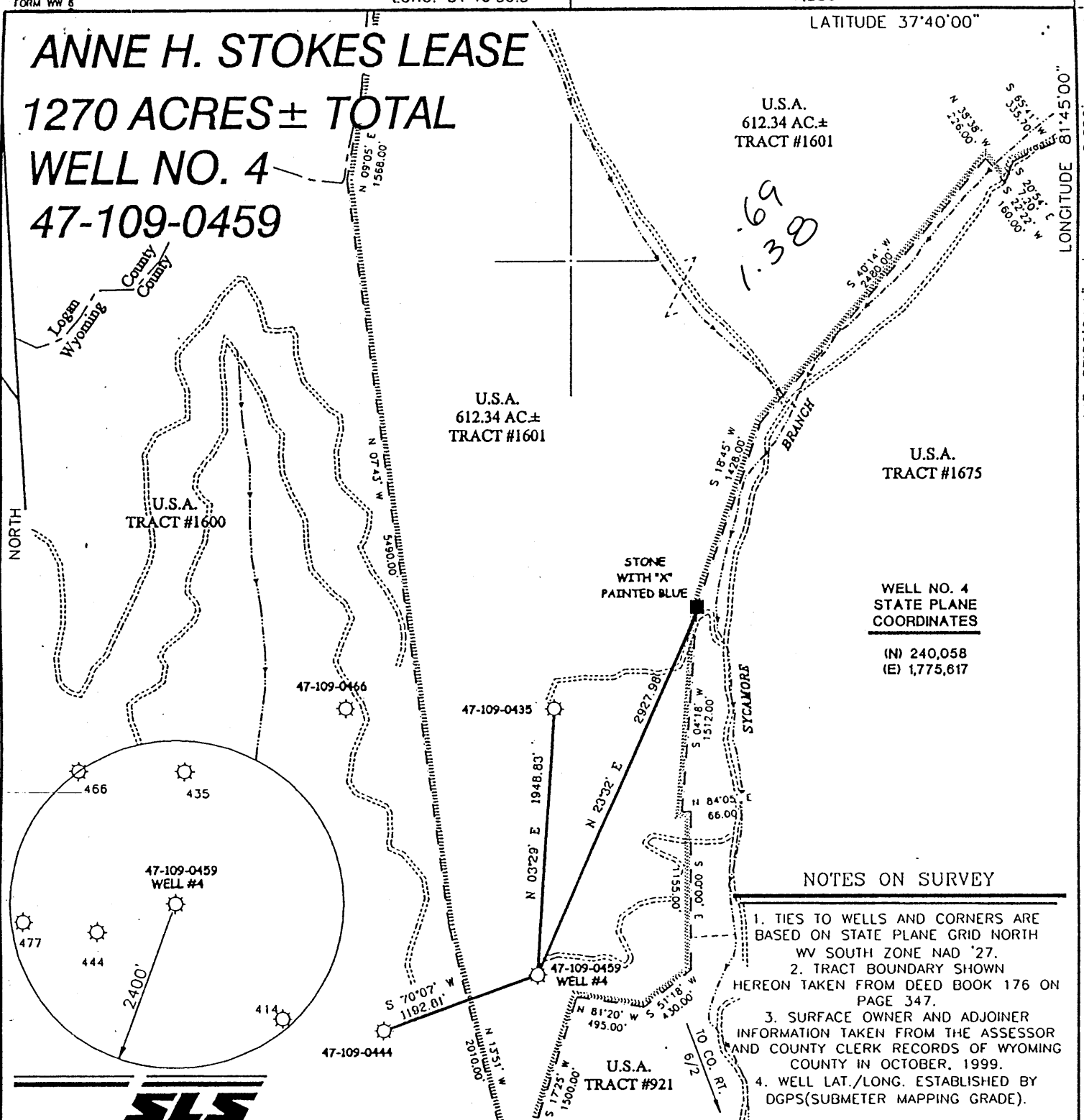
COUNTY NAME WYO  
PERMIT 0459 D

# ANNE H. STOKES LEASE

## 1270 ACRES ± TOTAL

### WELL NO. 4

### 47-109-0459



WELL NO. 4  
STATE PLANE  
COORDINATES

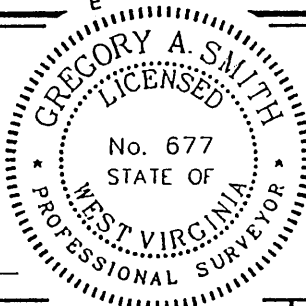
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P.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JANUARY 27, 20 00  
 OPERATORS WELL NO. ANNE H. STOKES #4  
 API WELL NO. 47 - 109 - 0459D  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4313P4 (84-39)  
 PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 1154' SCALE 1" = 1000'

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

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SURFACE OWNER U.S.A. (TRACT #1601) ACREAGE 612.34  
 ROYALTY OWNER MARY ANN ETTINGER THOMPSON et al LEASE ACREAGE 612.34 OF 1270  
 PROPOSED WORK : LEASE NO. 5597

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 6100'

WELL OPERATOR EASTERN STATES OIL AND GAS, INC. DESIGNATED AGENT ROBERT ALLEY  
 ADDRESS P.O. BOX 2347 CHARLESTON, WV 25328 ADDRESS P.O. BOX 2347 CHARLESTON, WV 25328

FEB 25 2000

COUNTY NAME WYO PERMIT 0459D

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

*MP*

Well Operator's Report of Well Work

Farm Name: U. S. Army Corp of Engineers Operator Well No.: 24760

LOCATION: Elevation: 1,562.00 Quadrangle: Mallory  
District: Clear Fork County: Wyoming

Latitude: 3620 Feet South of 37 Deg. 40 0  
Longitude: 7280 Feet West of 81 Deg. 45 0

DEC 17 2003

Company: Equitable Production Company  
1710 Pennsylvania Avenue  
Charleston, WV 25302

Agent: Stephen G. Perdue

Inspector: Ronald Scott

Permit Issued: 9/5/2002  
Well work commenced: 03/28/03  
Well work completed: 05/21/03

Verbal Plugging

Permission granted on: \_\_\_\_\_

Rotary Rig X Cable Rig \_\_\_\_\_

Total Depth 5840' feet

Fresh water depths (ft) Previously reported

Salt water depths (ft) Previously reported

Is coal being mined in area? \_\_\_\_\_

Coal Depths (ft): Previously reported

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
4-1/2"	5809'	5809'	446 Ft <sup>3</sup>
2-3/8"		5708'	

OPEN FLOW DATA

Producing formation Lower Shale, Upper Shale & Berea Pay Zone Depth (ft): \_\_\_\_\_ See Attach for details

Gas: Initial open flow 0 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow: 1865 MCF/d Final open flow: \_\_\_\_\_

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock pressure 660 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay Zone Depth (ft): \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow: \_\_\_\_\_ MCF/d Final open flow: \_\_\_\_\_

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: Equitable Production Company

By: *Clark J. Davis*  
Date: 12/19/03

WYO 0459 DD

**EQUITABLE PRODUCTION COMPANY**  
**WR-35 COMPLETION REPORT - Attachment**  
**Well Treatment Summary**

Well: WV-024760 – Southern Land Company

API# 47-109-0459D

Date	05/15/03	05/15/03	05/15/03			
Type Frac Acid, N <sub>2</sub> , Foam, Water	N <sup>2</sup>	N <sup>2</sup>	Foam			
Zone Treated	Lower Shale	Upper Shale	Berea			
# Perfs	40	39	27			
From - To:	4961' – 5786'	3918' – 4890'	3750' – 3776'			
BD Pressure @ psi	3360	2880	3400			
ATP psi	3036	2540	2663			
Avg. Rate, B=B/M, S= SCF/M	53528 S	51250 S	32 B			
Max. Treat Press psi	3360	2880	3360			
ISIP psi	2020	1430	290			
Frac Gradient	.45	.38	.51			
10 min S-I Pressure	N/A	N/A	1080			
Material Volume						
Sand-sks	0	0	453			
Water-bbl	26	0	222			
SCF N <sub>2</sub>	901,854	808,286	483,446			
Acid-gal	756 gals 7.5%	750 gals 7.5%	500 gals 15%			
NOTES:						

TOP	BOTTOM	FORMATION	REMARKS
	3148	BIG LIME:	
3718	3744	SUNBURY:	
3744	3777	BEREA:	
4037	4058	GORDON:	
4804	5293	LOWER HURON:	
4814	4892	LOWER HURON SILTSTONE:	GT @ 5000' & TD = odor
5293	5431	JAVA:	
5431	5676	ANGOLA:	
5676		RHINESTREET:	
	5840	TD:	