

RITTER LUMBER COMPANY LEASE

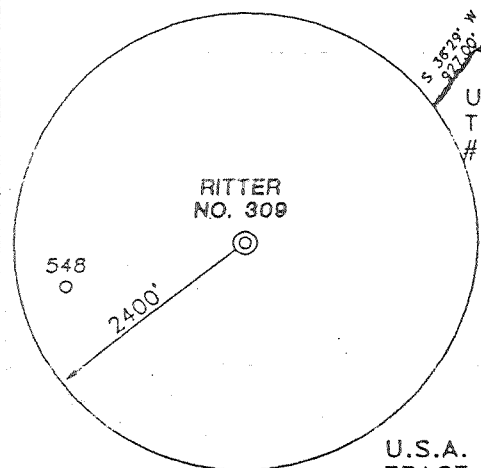
GEORGIA-PACIFIC CORPORATION

P/O 580.27 AC±

RITTER NO. 309

65,000 ACRES±

WELL NO. 309

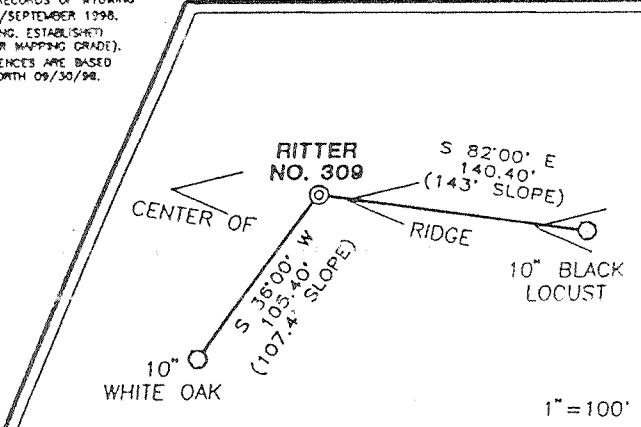


U.S.A. TRACT #1075-1 (A) 580.27 AC± (SURFACE)

NOTES ON SURVEY

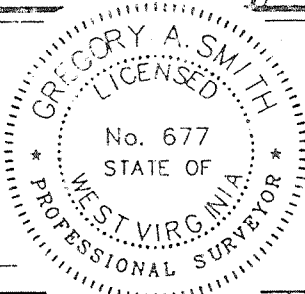
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH AND SOUTH ZONE 140-27.
2. LEASE BOUNDARY SHOWN HEREIN TAKEN FROM DEED BOOK 300/193 AND A TITLE REPORT DATED 6/25/84 AS PREPARED BY R. P. DURANTI, JR.
3. SURFACE OWNERS AND ADJOINER INFORMATION OBTAINED FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF WYOMING COUNTY IN AUGUST/SEPTEMBER 1998.
4. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
5. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 09/30/98.

REFERENCES



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 NOVEMBER 11, 19 98
 OPERATORS WELL NO. RITTER #309
 API WELL NO. 47-109-01815
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 3999P309 (67-61)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1192' SCALE 1" = 500'

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 1603' WATERSHED LONG BRANCH OF GUYANDOTTE RIVER (R.D. BAILEY LAKE)
 DISTRICT CLEAR FORK COUNTY WYOMING QUADRANGLE GILBERT 7.5'
 SURFACE OWNER U.S.A. ACREAGE 580.27
 ROYALTY OWNER GEORGIA-PACIFIC CORPORATION LEASE ACREAGE 622.75 OF 65,000
 PROPOSED WORK : LEASE NO. _____
 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 6250'

WELL OPERATOR BLAZER ENERGY CORPORATION DESIGNATED AGENT ROBERT ALLEY
 ADDRESS P.O. BOX 2347 CHARLESTON, WV 25328 ADDRESS P.O. BOX 2347 CHARLESTON, WV 25328

DEEP WELL 6-6-2006

COUNTY NAME WYO PERMIT 1815

JUN 01 1999

WR-35

24-May-99

API # 47-

109-01815

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

DEC 18 2000

Well Operator's Report of Well Work

Farm Name: US ARMY CORP OF ENGINEERS

Operator Well No.: RITTER 309

LOCATION:

Elevation: 1,603.00

Quadrangle: GILBERT

District: CLEAR FORK

County: WYOMING

Latitude: 5700

Feet South of

37 DEG 37 MIN 30 SEC

Longitude: 4000

Feet West of

81 DEG 45 MIN 0 SEC

AL

Company: BLAZER ENERGY CORPORATION
P.O. BOX 2347
CHARLESTON, WV 25328

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	36'	36'	GRTD
9-5/8"	494'	494'	201 FT ³
7"	1867'	1867'	334 FT ³
4-1/2"	6073'	6073'	592 FT ³

Agent: Richard Smeltzer

Inspector: OFIE HELMICK

Permit Issued: 5/26/99

Well work commenced: 9/25/99

Well work completed: 10/25/99

Verbal Plugging

Permission granted on:

Rotary Rig X Cable Rig _____

Total Depth 6089' feet

Fresh water depths (ft) 80', 210'

Salt water depths (ft) 1210'

Is coal being mined in area? _____

Coal Depths (ft): _____

OPEN FLOW DATA

Producing formation L. Shale, U. Shale, Berea, Big Lime

Pay Zone Depth (ft): _____

See Reverse

Gas: Initial open flow 15 MCF/d

Oil: Initial open flow _____ Bbl/d

Final open flow: 725 MCF/d

Final open flow: _____

Time of open flow between initial and final tests _____ Hours

Static rock pressure 800 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 WELLBC

For: BLAZER ENERGY CORPORATION

By: *Rich J. Davis*
Date: 12/7/99

WYO 1815

FEB 18 2000

EASTERN STATES OIL & GAS, INC.
WR-35 COMPLETION REPORT - Attachment
Well Treatment Summary

Well: Ritter 309

API# 47-109-01815

Date	10/19/99	10/19/99	10/19/99	10/19/99		
Type Frac						
Acid, N ₂ , Foam, Water	N ²	N ²	N ²	Acid/N ²		
Zone Treated	L. Shale	U. Shale	Berea	Big Lime		
# Perfs	30	38	33	32		
From - To:	5731-5991	4602-5394	3786-3942	2942-3098		
BD Pressure @ psi	3254	2993	2809	930		
ATP psi	2639	2651	2322	2448		
Avg. Rate, B=B/M, S= SCF/M	50,870 S	50,340 S	49,860 S	11,090 S 7 B		
Max. Treat Press psi	3264	3102	3179	2880		
ISIP psi	2159	2179	1900	1240		
Frac Gradient	.45	.52	.56	.88		
10 min S-I Pressure	1975	1492	1385	2169		
Material Volume						
Sand-sks						
Water-bbl						
SCF N ₂	429,430	1,169,709	619,215	110,909		
Acid-gal	500 gal 8.1%	750 gal 8.1%	400 gal 14.7%	2500 gal 14.7%		
NOTES:						

TOP	BASE	FORMATION	REMARKS
0	25	Fill	
25	38	Sand	
38	50	Shale	
50	95	Sand	1/4" stream water @ 80'
95	275	Shale	1/2" stream water @ 210'
275	334	Sand	
334	470	Sand Shale	
470	610	Sand	
610	863	Sand Shale	
863	1308	Salt Sand	Damp @ 1210'
1308	1392	Shale Sand	
1392	1731	Sand	
1731	1743	Shale	GT @ 1743', 2158'=NS
1743	1995	Sand Shale	
1995	2006	Sand	
	2006	Sand Shale	
2006	2054	Ravenciff	
2054	2059	Shale	
2059	2102	Avis LS	
2102	2348	Shale	GT @ 2346=26 mcf
2348	2390	U. M. Maxton	
2390	2502	M. Maxton	
2502	2648	Shale	GT @ 2535'=21 mcf, 2630'=15 mcf
2648	2662	L. Maxton	
2662	2782	Shale	
2782	2800	L. Lime	
2800	2836	Pencil Cave	GT @ 2819'=15 mcf
2836	3190	Big Lime	GT @ 2977'=30 mcf, 3103'=15 mcf
3190	3312	Shale	GT @ 3229'=15 mcf
3312	3422	Weir Interval	

1091815

3422	3757	Shale	
3757	3779	Sunbury Shale	GT @ 3796'=15 mcf
3779	3822	Berea Sand	
3822	5116	Shale	GT @ 4234'=15 mcf
5116	5400	L. Huron	
5400	5751	Shale	GT @ 5446'=15 mcf
5751	5993	Rhinestreet	
5993	6065	Shale	
6065	6089	Onondaga	

After frac GT ranged from 904 mcf to final of 725 mcf.

WYO 1815

FEB 18 2000