

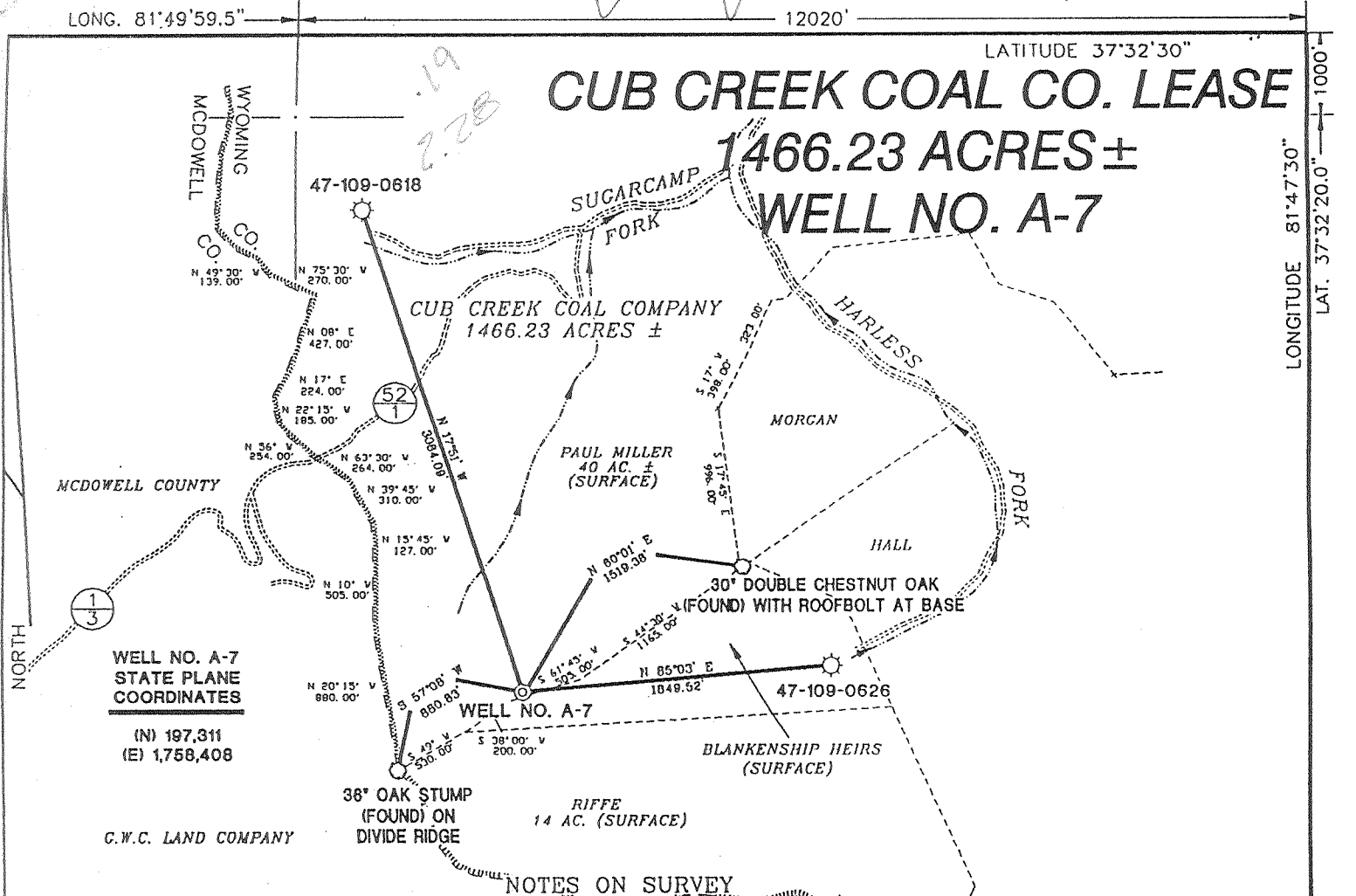
LONG. 81°49'59.5"

12020'

LATITUDE 37°32'30"

CUB CREEK COAL CO. LEASE

1466.23 ACRES ± WELL NO. A-7



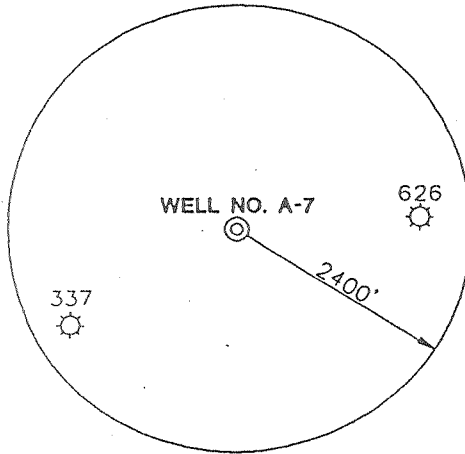
**WELL NO. A-7
STATE PLANE
COORDINATES**

(N) 197,311
(E) 1,758,408

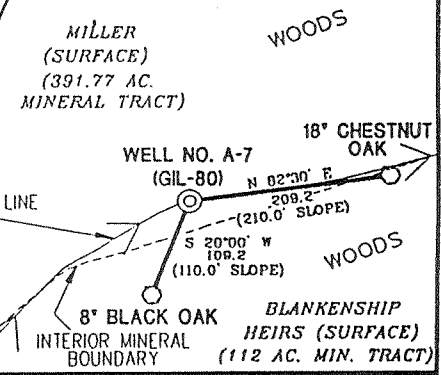
C.W.C. LAND COMPANY

NOTES ON SURVEY

1. TIES TO WELLS AND ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. TIES TO REFERENCES BASED ON MAGNETIC NORTH 03-17-00. TIES TO CORNERS BASED ON MAGNETIC NORTH 05-19-00.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 53 ON PAGE 390 AND DEED BOOK 48 ON PAGE 608 AND MAPS PROVIDED BY EASTERN STATES.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF WYOMING COUNTY IN APRIL, 2000.
5. THE AMBIGUOUS NATURE OF THE SURFACE DEED DESCRIPTIONS CREATES UNCERTAINTY AS TO WHETHER THE SURFACE BOUNDARY RUNS WITH THE RIDGE OR WITH THE INTERIOR MINERAL TRACT LINES.
6. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

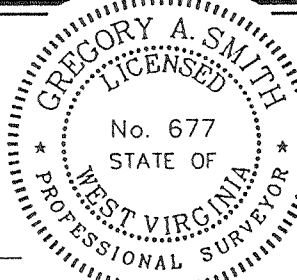


REFERENCES



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 JUNE 16, 2000

OPERATORS WELL NO. A-7

API WELL NO. 47-109-01961

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4356PA7 (77-57)

PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS 1209' SCALE 1" = 1000'

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

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

LOCATION :
ELEVATION 2033' WATERSHED SUGARCAMP FORK OF LITTLE CUB CREEK
DISTRICT HUFF CREEK COUNTY WYOMING QUADRANGLE GILBERT 7.5'

SURFACE OWNER PAUL E. & MONA CARROL MILLER / BLANKSHIP HEIRS ACREAGE 40/37

ROYALTY OWNER EASTERN STATES OIL AND GAS, INC. ET AL LEASE ACREAGE 1466.23

PROPOSED WORK : LEASE NO. 80704

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 6600'

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

DEEP WELL 6-6 303 NOV 03 2006

LONGITUDE 81°47'30" LAT. 37°32'20.0" COUNTY NAME WYO PERMIT 1961

A

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

Well Operator's Report of Well Work

Farm Name: Miller, Paul E & Georgia Operator Well No.: Cub Crk A-7

LOCATION: Elevation: 2,033.00 Quadrangle: Gilbert
District: Huff Creek County: Wyoming

Latitude: 1000 Feet South of Deg. 37 Minutes 32 Seconds 30
Longitude: 12020 Feet West of Deg. 81 Minutes 47 Seconds 30

Company: Eastern States Oil & Gas, Inc.
P.O. Box 2347, 1710 Pennsylvania Avenue
Charleston, WV 25328

Agent: Robert Alley

Inspector: Ofie Helmick
Permit Issued: 11/2/00
Well work commenced: 12/16/00
Well work completed: 01/25/01

Verbal Plugging Permission granted on: _____

Rotary Rig X Cable Rig _____

Total Depth 6459 feet _____

Fresh water depths (ft) _____

Salt water depths (ft) _____

Is coal being mined in area? _____

Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	52'	52'	Grtd
9-5/8"	802'	802'	319 FT
7"	2269'	2269'	415 FT
4-1/2"	6486'	6486'	422 FT

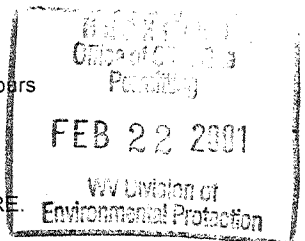
OPEN FLOW DATA

Producing formation L Shale/U. Shale/Berea/Big Lime Pay Zone Depth (ft): _____ See Attach for details

Gas: Initial open flow NS Bbl/d
Final open flow 2530 Final open flow: _____
Time of open flow between initial and final tests _____ Hours
Static rock pressure 325 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: BLAZER ENERGY CORPORATION

By: Dexter Diana
Date: 2-20-2001

MAR 02 2001
MAR 02 2001

Deep well

WYO 1961

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

Well: Cub Creek A-7

API# 47-109-01961

Date	1/17/2001	1/17/2001	1/18/2001	1/18/2001		
Type Frac Acid, N ₂ , Foam, Water	N2	N2	N2	Acid		
Zone Treated	L. Shale	U. Shale	Berea	Big Lime		
# Perfs	40	30	21	17		
From - To:	5631-6411	4652-5534	4375-4395	3490-3498		
BD Pressure @ psi	3522	3518	2798	1299		
ATP psi	3215	3249	2617	2513		
Avg. Rate, B=B/M, S= SCF/M	51852 S	52142 S	51703 S	6 B		
Max. Treat Press psi	3522	3606	2798	2539		
ISIP psi	2352	2500	1538	625		
	Final	Final	Final			
Frac Gradient	.48	.58	.41	.63		
10 min S-I Pressure	1971	1803	1115	2109		
Material Volume						
Sand-sks						
Water-bbl						
SCF N ₂	979,900	655,929	602,800	94,454		
Acid-gal	750 gal	800 gal	350 gal	2000 gal		
	7.52%	8.0%	8.0%	15.9%		
NOTES:						

TOP	BASE	FORMATION	REMARKS*
0	1370	Sand & Shale	
1370	2253	Salt Sand	
2513	2652	Ravenciff	
2652	2671	Avis	
2698	2803	U Maxton	
2948	3068	M Maxton	
3113	3129	L Maxton Stray	
3233	3256	L Maxton	
3306	3401	L Lime	
3424	3778	Big Lime	
3886	3932	U Weir	
3973	4025	L Weir	
4353	4382	Sunbury	
4382	4417	Berea	
4656	4708	Gordon	
5464	5920	L. Huron	
5920	6055	Java	
6055	6272	Angola	
6272	6488	Rhinestreet	
6488		Onondaga	
6505		TD	

TD

