

West Virginia State Plane Coordinates

NAD 27 - SOUTH

N 170,499.00

E 1,833,509.07

UTM Zone 17 - NAD 83

N 4,149,509.73m

E 451,117.78m

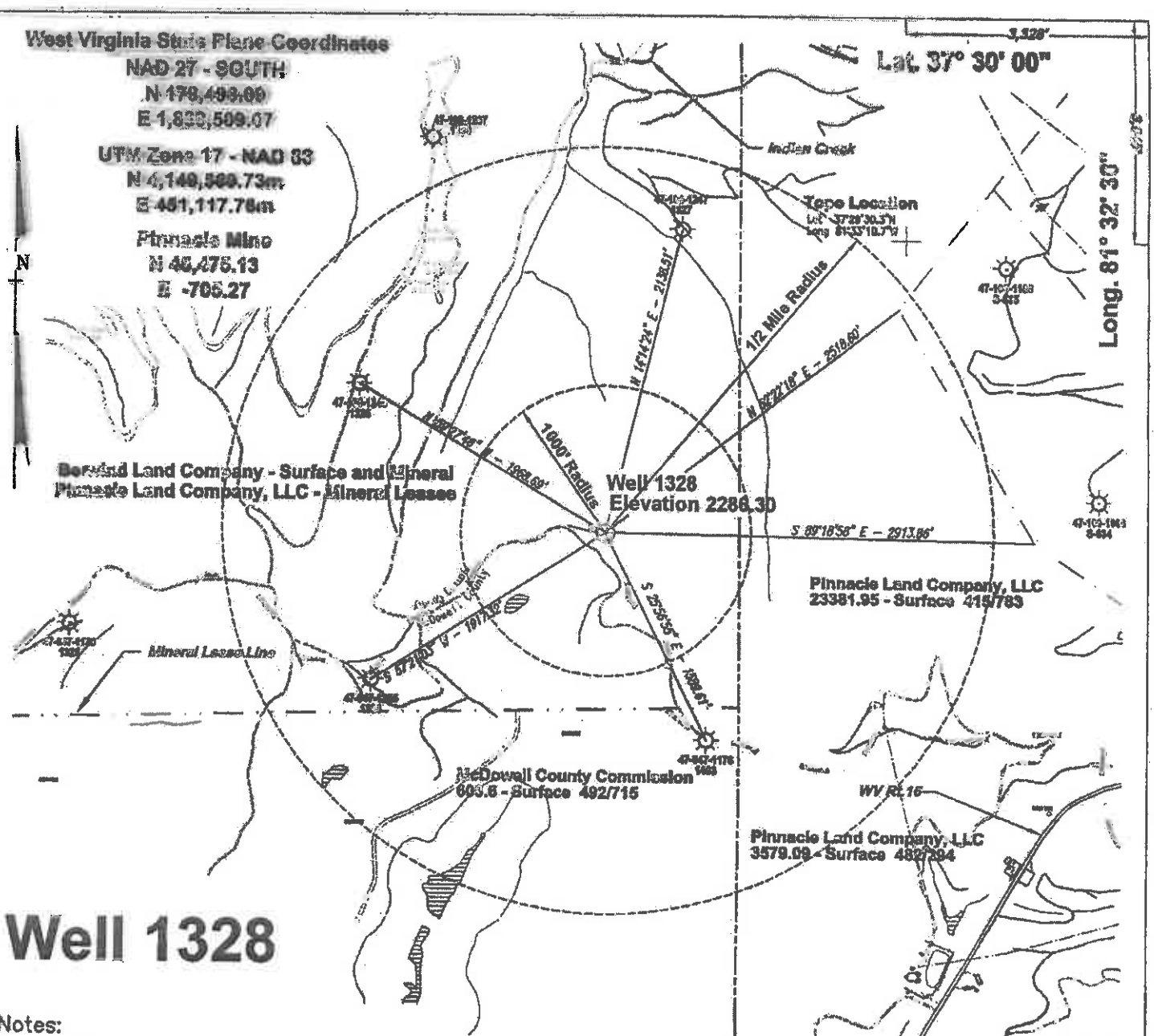
Pinnacle Mine

N 46,475.13

E -705.27

Lat 37° 30' 00"


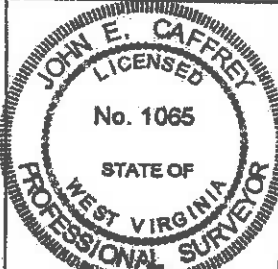
Long. 81° 32' 30"



Well 1328

Notes:

- No Dwellings exist within 200 feet of Well 1328
- No Domestic Wells within 1000' of Gas Well 1328
- (+) Denotes location of well on USGS map.
- Property Information taken from Pinnacle Land Company, LLC deeds in the Wyoming Co. Tax Records

<p>FILE No. <u>Plugging Well 1328</u> DIRECTORY <u>D:\Pinnacle_Mining\Gas Production</u> DRAWING NAME <u>Plat1328.dwg</u> SCALE <u>1" = 1000'</u> MINIMUM DEGREE OF ACCURACY <u>1: 2500</u> PROVEN SOURCE OF ELEVATION <u>GPS GLOBAL POSITIONING SYSTEM (Sub meter accuracy)</u></p>	<p>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.</p> <p>(SIGNED)  R.P.E. No. 1065</p>	
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
CHARLESTON, WV

DATE JANUARY 10, 2007
 OPERATOR'S WELL No. 1328

API WELL No. 47 - STATE 109 COUNTY 01266 PERMIT CANCELLED

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

LOCATION: ELEVATION 2286.30 WATER SHED UNNAMED TRIBUTARY OF INDIAN CREEK OF THE GUYANDOTTE RIVER
 DISTRICT CENTER COUNTY WYOMING
 QUADRANGLE WELCH, WV

SURFACE OWNER BERWIND LAND COMPANY ACREAGE 866.52 (Tax Map Center 143, Parcel 1)
 ROYALTY OWNER BERWIND LAND COMPANY LEASE ACREAGE 867.22

LEASE No. PT. TR. 76

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG/ABANDON

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 6000 FEET
 WELL OPERATOR PINNACLE MINING COMPANY, LLC DESIGNATED AGENT DWIGHT GILLESPIE
 ADDRESS PO BOX 338 ADDRESS PO BOX 85
PINEVILLE, WV 24874 THORPE, WV 24886

06/14/2013

West Virginia State Plane Coordinates

NAD 27 - SOUTH

N 179,498.09

E 1,839,509.07

UTM Zone 17 - NAD 83

N 4,149,569.73m

E 451,117.76m

Pinnacle Mine

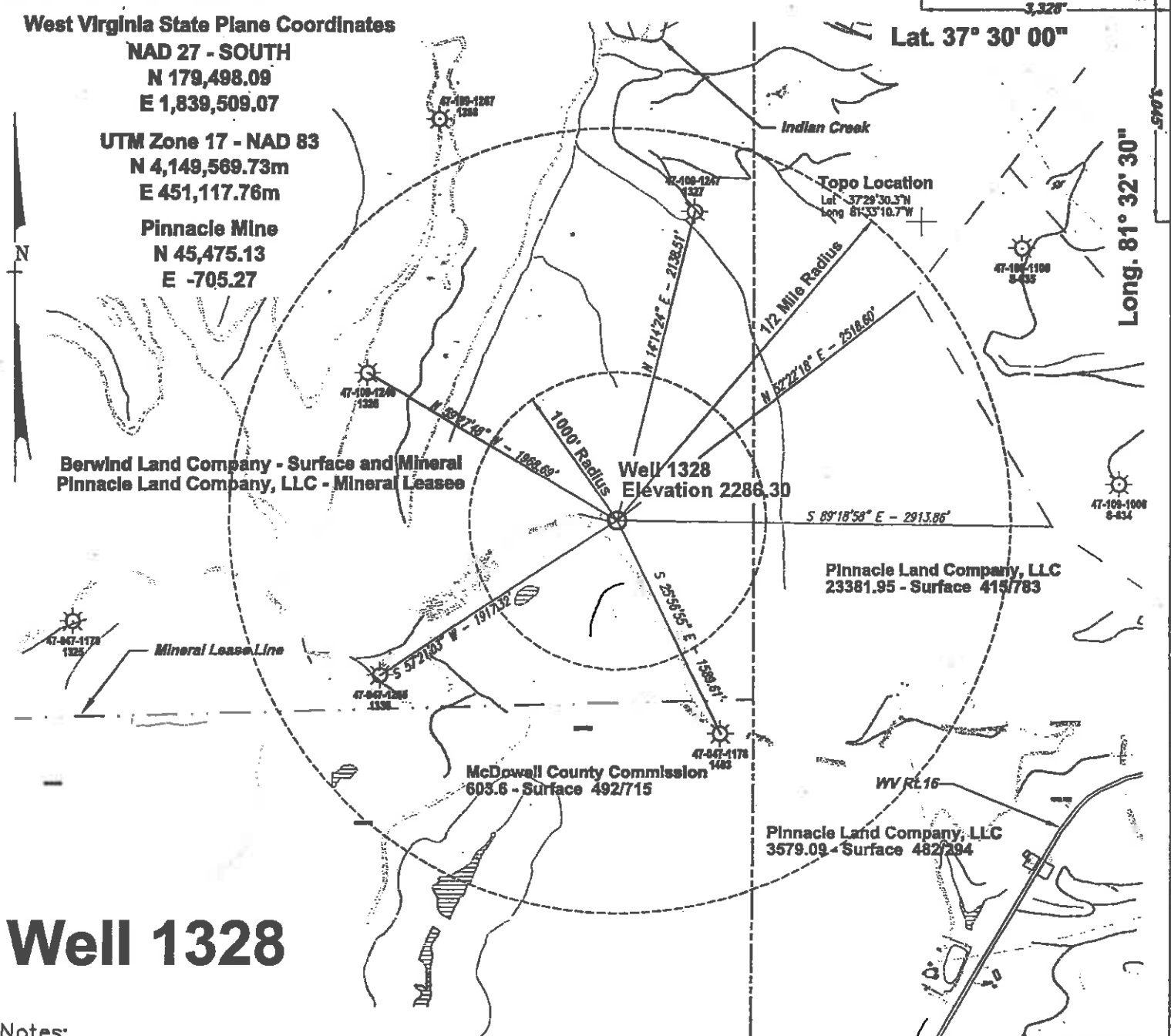
N 45,475.13

E -705.27

Lat. 37° 30' 00"

Long. 81° 32' 30"

N



**Berwind Land Company - Surface and Mineral
Pinnacle Land Company, LLC - Mineral Lessee**

**Pinnacle Land Company, LLC
23381.95 - Surface 415/783**

**McDowell County Commission
603.6 - Surface 492/715**

**Pinnacle Land Company, LLC
3579.09 - Surface 482/294**

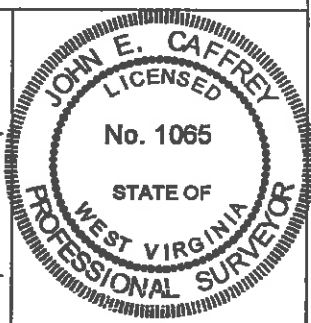
Well 1328

Notes:
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 (+) Denotes location of well on USGS map.
 Property Information taken from Pinnacle Land Company, LLC deeds in the Wyoming Co. Tax Records

FILE No. Plugging Well 1328
 DIRECTORY D:\Pinnacle Mining\Gas Production
 DRAWING NAME Plat1328.dwg
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION GPS GLOBAL POSITIONING SYSTEM (Sub meter accuracy)

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) [Signature]
 R.P.F. [Signature] No. 1065



**STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 CHARLESTON, WV**



DATE JANUARY 10, 2007
 OPERATOR'S WELL No. 1328

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 2286.30 WATER SHED UNNAMED TRIBUTARY OF INDIAN CREEK OF THE GUYANDOTTE RIVER
 DISTRICT CENTER COUNTY WYOMING
 QUADRANGLE WELCH, WV

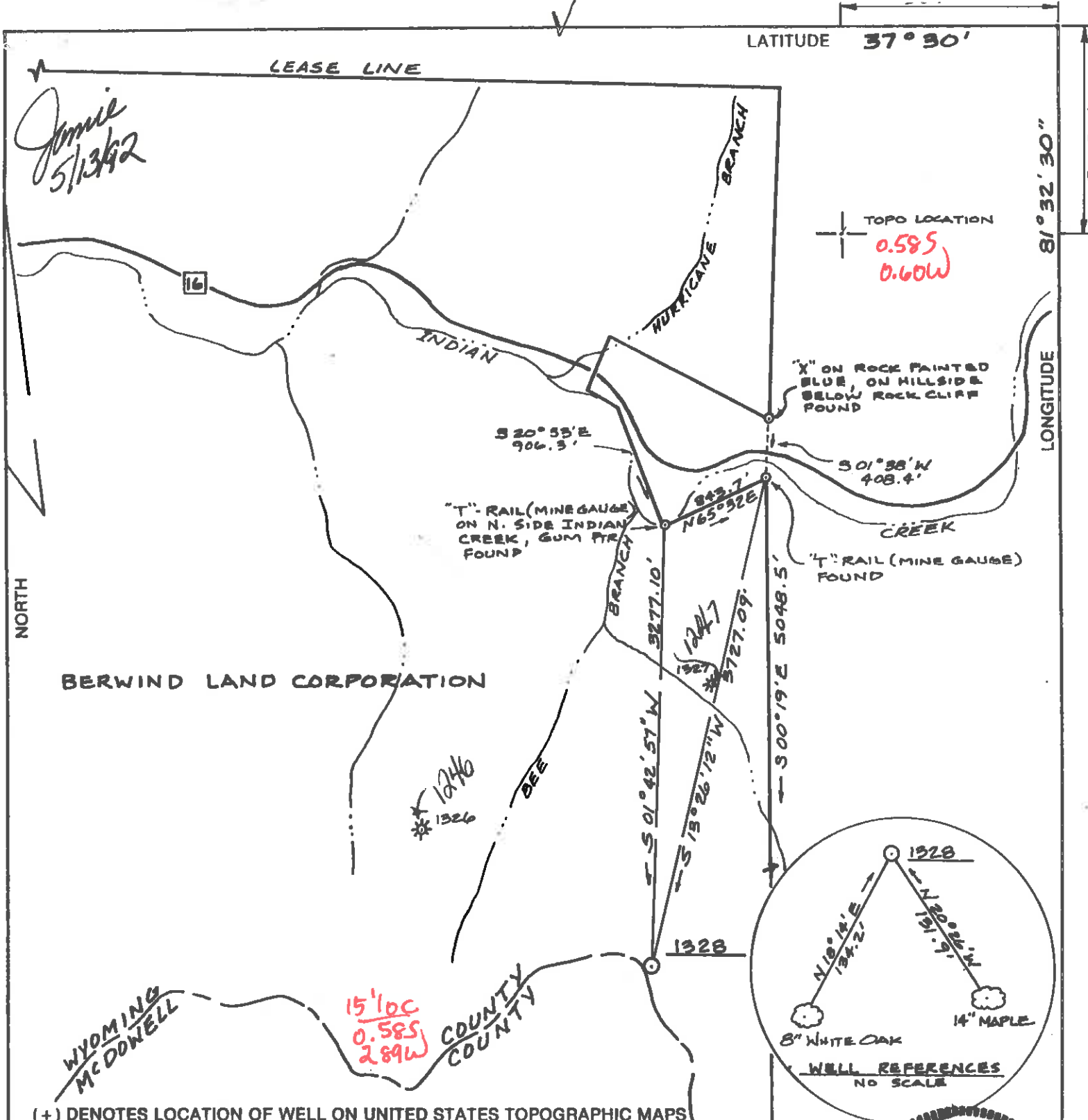
SURFACE OWNER BERWIND LAND COMPANY ACREAGE 866.52 (Tax Map Center 143, Parcel 1)
 ROYALTY OWNER BERWIND LAND COMPANY LEASE ACREAGE 867.22

PROPOSED WORK: LEASE No. PT. TR. 76
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG/ABANDON

TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 6000 FEET
 WELL OPERATOR PINNACLE MINING COMPANY, LLC DESIGNATED AGENT DWIGHT GILLESPIE
 ADDRESS PO BOX 338 ADDRESS PO BOX 85
PINEVILLE, WV 24874 THORPE, WV 24868

APR 20 2007

WV 13286 P

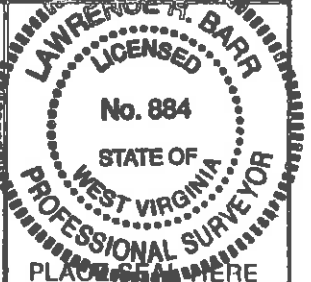


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1: 2500
 PROVEN SOURCE OF ELEVATION USC & GS B.M.
 N 2 F-44 (1935) E.-1565

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.

(SIGNED) Lawrence R. Barr
 R.O.E. _____ L.L.S. 884



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

DATE APRIL 3, 1992
 OPERATOR'S WELL NO. 1328
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___

LOCATION: ELEVATION 2281.0 WATERSHED BEE BRANCH OF INDIAN CREEK
 DISTRICT CENTER COUNTY WYOMING
 QUADRANGLE WELCH, WV - 7.5 MIN 15' loc

SURFACE OWNER BERWIND LAND CORPORATION ACREAGE 867.2 ±
 OIL & GAS ROYALTY OWNER BERWIND LAND CORPORATION LEASE ACREAGE 2500 AC.
 LEASE NO. 2709

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 _____ ESTIMATED DEPTH _____

WELL OPERATOR MERIDIAN EXPLORATION DESIGNATED AGENT C.T. CORPORATION
 ADDRESS 2800 GULF TOWER, PITTSBURG, PA 15219 ADDRESS 1200 CHARLESTON NATIONAL PLAZA
CHARLESTON, WV 25301

WYOMING COUNTY NAME
 PERMIT 1266

FORM WW-6
 HALLS, INC.

666 Ria Creek 1267

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

RECEIVED
Environmental Protection

Well Operator's Report of Well Work

NOV 10 1992

Farm Name: BERWIND LAND CO

Operator Well No: 1328
Permitting
Office of Oil & Gas

LOCATION: Elevation: 2281.0 Quadrangle: WELCH

District: CENTER County: WYOMING
Latitude: 3050 Feet South of 37 Deg. 30 Min. 0 Sec.
Longitude 3250 Feet West of 81 Deg. 32 Min. 30 Sec.

Company: MERIDIAN EXPLORATION CORP.
2800 GULF TOWER
PITTSBURGH, PA 15219-0000

Agent: JOHN O. KIZER (C T CORP)

Inspector: RODNEY G. DILLON
Permit Issued: 05/13/92
Well work Commenced: 7/13/92
Well work Completed: 7/20/92
Verbal Plugging
Permission granted on:
Rotary X Cable _____ Rig
Total Depth (feet) PTD: 3892' LTD: 3895'
Fresh water depths (ft) 130'

Salt water depths (ft) N/A

Is coal being mined in area(Y/N)? N
Coal Depths (ft): 1140'-1150'; 1195'-1205'

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11-3/4"	38'	38'	
7"	1257.2'	1257.2'	258.4
4-1/2"	3462'	3462'	272

OPEN FLOW DATA

Producing formation Big Lime Pay zone depth (ft) 3147-3377
Gas: Initial open flow 311 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 311 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure N/A psig (surface pressure) after N/A Hours

Second producing formation Maxton Pay zone depth (ft) 3014-3026
Gas: Initial open flow 189 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 189 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 210 psig (surface pressure) after 24 Hours

SEE ATTACHED: THIRD PRODUCING FORMATION - RAVENCLIFF

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.

Reviewed TMG
Recorded CH

For: Karl C. Kimmich
MERIDIAN EXPLORATION CORP.
By: Karl C. Kimmich
Date: 11/3/92

PERFORATED INTERVALS

3147' - 3377'
 3014' - 3026'
 1985' - 2017'

FIRST STAGE (Big Lime)

SECOND STAGE (Maxton)

THIRD STAGE (Ravencliff)

Acid Treatment

<u>FIRST STAGE (Big Lime)</u>	<u>SECOND STAGE (Maxton)</u>	<u>THIRD STAGE (Ravencliff)</u>
BKDN 1270 PSI	BKDN 2360 PSI	BKDN 2400 PSI
AVE TRT 15 BPM @ 1250 PSI	AVE TRT 30 BPM @ 3000 PSI	AVE TRT 30 BPM @ 2800 PSI
ISIP (FRAC) 1290	ISIP (FRAC) 3430	ISIP (FRAC) 1000
SAND (20/40) N/A	SAND (20/40) 21,000#	SAND (20/40) 80/100: 3800#, 20/40: 51,600#
H ₂ O (BBL) 300	H ₂ O (BBL) 148	H ₂ O (BBL) 226
N ₂ (SCF) 66,000	N ₂ (SCF) 121,500	N ₂ (SCF) 565,000
ACID: 7,500 gal. 15% HCL		

FORMATIONS TOPS BOTTOMS WATER AND GAS CHECKS

0 - 10' Alluvium
 10' -135' Shale
 135'-185' Sand
 185'-235' Shale
 235'-300' Sand
 300'-450' Sand & Some Shale Interbedded
 450'-575' Sand
 575'-630' Shale
 630'-795' Sand
 795'-845' Shale
 845'-895' Sand
 895'-930' Shale
 930'-1010' Sand
 1010'-1140' Sand & Shale Interbedded
 1140'-1150' Coal
 1150'-1195' Sand
 1195'-1105' Coal *1205'*
~~1105'-1500'~~ Sand with Some Shale
 1500'-1550' Sand
 1550'-1955' Shale
 1955'-2025' Ravencliff Sand
 2025'-2080' Shale
 2080'-2130' Avis Lime
 2130'-2620' Shale , Some Sand
 2620'-2700' Maxton Sand
 2700'-2955' Shale Some Interbedded Sands
 2955'-3040' Lower Maxton Sand
 3040'-3110' Shale
 3110'-3165' Little Lime
 3165'-3240' Shale
 3240'-3800' Big Lime
 3800'-3885' Sand & Shale
 3885' Total Depth

H.O: 130': Damp
GAS CHECKS: 2030' : 90 MCF
 TD : 90 MCF
 Collars: 90 MCF

6.25

BERWIND LAND WELL #1328

API #47-109-01266

Third producing formation Ravencliff Pay zone depth (ft) 1985-2017
Gas: Initial open flow 500 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 500 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure N/A psig (surface pressure) after N/A Hours

~~API # 47-109-01266~~
1/22/93

1014

109-1266

Issued 5/13/92

Page ___ of ___

Expires 5/13/94

FORM WW-2B

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Meridian Exploration Corporation 31805 (3) 664
- 2) Operator's Well Number: 1328 3) Elevation: 2281
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production ___ / Underground Storage ___ /
Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): Ravencliff, Maxton, Big Lime
- 6) Proposed Total Depth: 3860 feet
- 7) Approximate fresh water strata depths: N/A
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: 1130', 1180'
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Drill and stimulate new well
- 12)

RECEIVED

WV Division of Environmental Protection

APR 24 92

Permitting Office of Oil & Gas

CASING AND TUBING PROGRAM

13617

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4	LS	32	30'	30'	Driven
Fresh Water						
Coal						
Intermediate	7"	H-40	17	1250'	1250'	1250 (187)
Production	4-1/2"	J-55	10.5	3850'	3850'	2070' (212)
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

7304
7321/6

Fee(s) paid: 4 Well Work Permit 1 Reclamation Fund 1 WPCP 1
1 Plat 1 WW-9 1 WW-2B 1 Bond Blanket Letter Agent 1
(Type)

RECEIVED
WV Division of
Environmental Protection
APR 24 92

Permitting
Office of Oil & Gas

- 1) Date: April 8, 1992
- 2) Operator's well number
1328
- 3) API Well No: 47 - 109 - 1266
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Berwind Land Co.
Address 1050 One Valley Square
Charleston, WV 15301
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name Berwind Land Co.
Address 1050 One Valley Square
Charleston, WV 25301
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Rodney Dillon
Address P.O. Box 131
Bradley, WV 25818
Telephone (304)-877-2912

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

_____ Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Notary Public
Member, Pennsylvania Association of Notaries

Well Operator Meridian Exploration Corporation
 By: Eric P. Linn
 Its: Vice President
 Address 707 Grant Street, Suite 2800
Pittsburgh, PA 15219
 Telephone 412-471-8181

Subscribed and sworn before me this 8th day of APRIL, 1992

DALE ANN TOMALIEWSKI Notary Public
My commission expires APRIL 10, 1993