

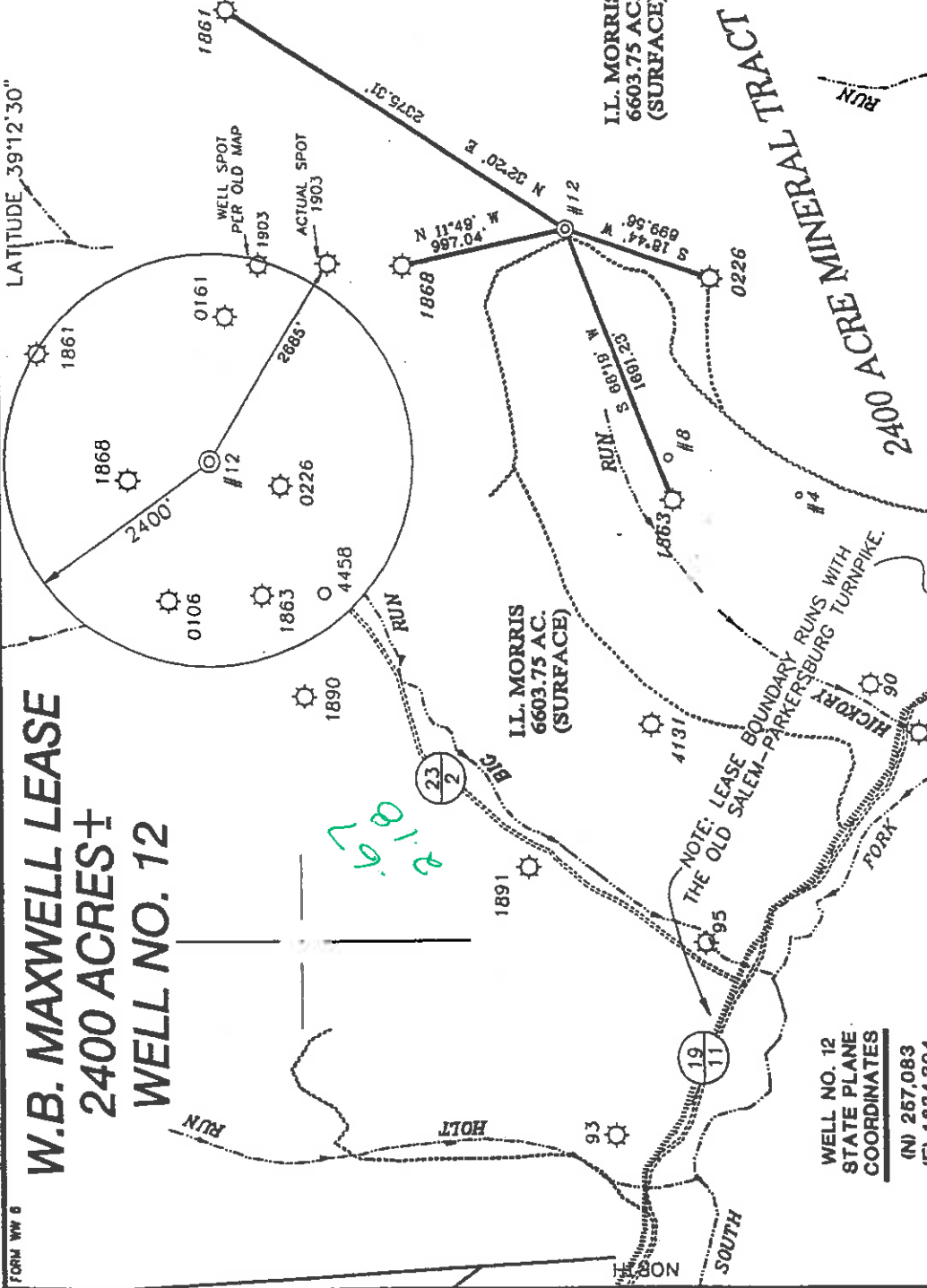
LONG. 80°47'25.4" LAT. 39°11'55.1"

AR-B

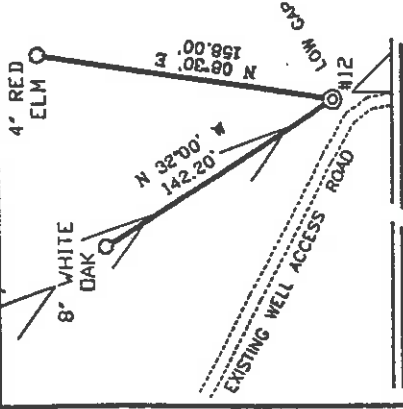
W.B. MAXWELL LEASE 2400 ACRES ± WELL NO. 12

11,490

LONGITUDE 80°45'00"



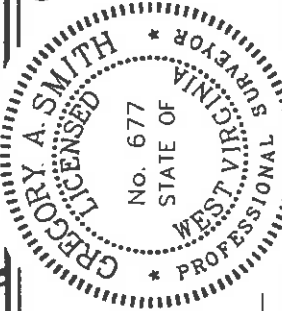
WELL NO. 12
STATE PLANE
COORDINATES
(N) 257,083
(E) 1,634,304



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. *Gregory A. Smith*
677



NOTES ON SURVEY

1. TIES TO WELLS ARE BASED ON STATE PLANE GRID, NORTH WV NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10/15/99.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DODDRIDGE COUNTY LEASE BOOK 14 ON PAGE 376.
4. SURFACE OWNERS AND ADJOINER INFORMATION OBTAINED FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN MAY, 1998.
5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).

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

DATE OCTOBER 18, 19 99
OPERATORS WELL NO. W.B. MAXWELL #12
API WELL NO. 47-017-04537
STATE COUNTY PERMIT

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

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3959P12 (80-38)
PROVEN SOURCE SCALE 1" = 1000'
OF ELEVATION JUNCTION OF ROADS ELEVATION 886'

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

LOCATION : ELEVATION 1243' WATERSHED HICKORY RUN OF THE SOUTH FORK HUGHES RIVER
DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'

SURFACE OWNER I.L. MORRIS ACREAGE 6603.75
ROYALTY OWNER W.B. MAXWELL HEIRS ET AL LEASE ACREAGE 2400
LEASE NO. 90490

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 ALEXANDER ESTIMATED DEPTH 5500'

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

0000 4537

6-6-1999

WR-35

Office of Oil & Gas
Permitting

JAN 13 2000

WV Division of
P.O. Box 2347
CHARLESTON, WV 25328

28-Oct-99
API # 47-

017-04537

Reviewed K

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

Well Operator's Report of Well Work

Operator Well No.: W.B. MAXWELL 12

Farm Name: MORRIS, P.L.

LOCATION: Elevation: 1,243.00

District: SOUTHWEST

Latitude: 3520

Longitude: 11490

Quadrangle: OXFORD

County: DODDRIDGE

39 DEG 12 MIN 30 SEC

80 DEG 45 MIN 0 SEC

Feet South of

Feet West of

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

Agent: Richard Smeltzer

Inspector: MIKE UNDERWOOD

Permit Issued: 10/28/99

Well work commenced: 11/11/99

Well work completed: 12/10/99

Verbal Plugging

Permission granted on:

Rotary Rig X Cable Rig

Total Depth 5504 feet

Fresh water depths (ft)

Salt water depths (ft) 1022', 1420'

Is coal being mined in area?

Coal Depths (ft):

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	19'	19'	GRTD
8-5/8"	1273'	1273'	348 FT ³
4-1/2"	5325.90'	5325.90'	718 FT ³

OPEN FLOW DATA

Producing formation Alexander, Benson/Riley, Balltown, Speechley

Gas: Initial open flow 387 MCF/d Oil: Initial open flow

Final open flow: 172 (in Line MCF/d Final open flow:

Time of open flow between initial and final tests

Static rock pressure 425 psig (surface pressure) after

Second producing formation

Gas: Initial open flow MCF/d Oil: Initial open flow

Final open flow: MCF/d Final open flow:

Time of open flow between initial and final tests

Static rock pressure psig (surface pressure) after

See
Pay Zone Depth (ft): Reverse

Pay Zone Depth (ft): Bbl/d

Pay Zone Depth (ft): Bbl/d

Pay Zone Depth (ft): Bbl/d

Pay Zone Depth (ft): Bbl/d

Pay Zone Depth (ft): Bbl/d

Pay Zone Depth (ft): Bbl/d

Pay Zone Depth (ft): Bbl/d

Pay Zone Depth (ft): Bbl/d

Pay Zone Depth (ft): Bbl/d

Pay Zone Depth (ft): Bbl/d

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: Raymond A. Hubbard
Date: 1-13-2000

D000 4537

FEB 25 2000

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

Well: Maxwell 12

API# 47-017-04537

Date	12/7/99	12/7/99	12/7/99	12/7/99	
Type Frac Acid, N ₂ , Foam, Water	WF 15	WF 20	WF 20	WF 20	
Zone Treated	Alexander	Benson/Riley	Balltown	Speechley	
# Parts	17	20	18	20	
From - To:	5210-5754	4450-5034	3992-4330	3272-3417	
BD Pressure @ psi	1550	1600	1000	1200	
ATP psi	2400	2300	2900	2000	
Avg. Rate, B=B/M, S=SCFM	36 B	35 B	34 B	36 B	
Max. Treat Press psi					
ISIP psi	800	1100	900	850	
Frac Gradient	.58	.66	.65	.69	
10 min S-I Pressure					
Material Volume					
Sand-sks	397	300	238	300	
Water-bbl	560	600	590	550	
SCF N ₂					
Acid-gal	600 gal 16%	1100 gal 16%	1000 gal 16%	500 gal 15%	
NOTES:					

TOP	BASE	FORMATION	REMARKS
0	1656	Sand & Shale	Damp @ 1022', 1420', 1" stream @ 1440'
1656	1731	Shale	
1731	1752	Maxton	
1752	1828	Shale	
1828	1876	Sand & Shale	
1876	1890	Little Lime	
1890	1988	Big Lime	
1988	2032	Injun	
2032	2182	Shale	GT @ 2110'=387 mcf/d
2182	2296	Weir	
2296	2384	Shale	
2384	2390	Sand	
2390	2605	Sand	GT @ 2452'=398 mcf/d
2605	2610	Shale	
2610	3260	Shale	GT @ 2903'=398 mcf/d
3260	3296	Warren	
3296	3378	Shale	
3378	3396	Speechley	
3396	3580	Shale	GT @ 3407'=398 mcf/d
3580	4331	Balltown	
4331	4449	Shale	
4449	4836	Riley	
4836	4866	Shale	
4866	5087	Bensons	GT @ 4943'=398 mcf/d
5087	5120	Shale	
5120	5216	Alexander	
5216	5371	TD	GT @ Drill Collars=265 mcf/d

OHS of OHS
 Permitting
 JAN 13 2000
 11:00 AM '99