

AV7

7,860'

SOUTHERN LAND COMPANY LEASE 15,404.61 ACRES±

SOUTHERN LAND COMPANY, LTD. & DICKINSON PROPERTIES, LTD.
7034.95 ACRES±

LATITUDE 37°52'30"
22824.81
5/8" REBAR FOUND
N/F CHARLESTON NATIONAL BANK
24,010.93 ACRES±

N 04°05' E
5845.72'

ALL KNOWN PERMITTED WELLS WITHIN 2400' ARE SHOWN HEREON

WELL NO. WV 507398

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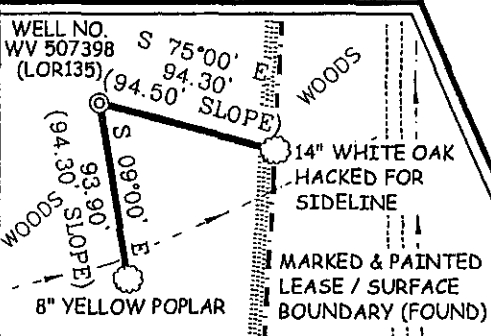
WELL NO. WV 507398
STATE PLANE COORDINATES (SOUTH ZONE)

N. 309,335
E. 1,811,644

LAT=(N) 37.847710
LONG=(W) 81.652323

REFERENCES

1/2 SOUTHERN LAND COMPANY, LTD. & DICKINSON PROPERTIES, LTD. AND 1/2 PARDEE & CURTIN REALTY LLC
278.27 ACRES±



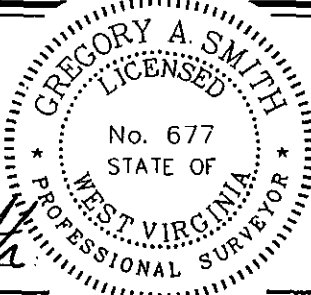
1" = 100'

NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 05/09/06.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PRELIMINARY PLAT OF SURVEY FOR SOUTHERN LAND CO. LTD. AND DICKINSON PROPERTIES, LTD. DATED MAY 2000 - APRIL 2001 BY AUGUSTA LAND CONSULTANTS, INC.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF BOONE COUNTY IN DECEMBER, 2005.
5. WELL LAT./LONG. (NAD'27) 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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE MAY 19, 20 06
 OPERATORS WELL NO. WV 507398
 API WELL NO. 47 005 02097
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3895P507398R (210-65)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2,000'

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

WELL TYPE: OIL	<input type="checkbox"/>	GAS	<input checked="" type="checkbox"/>	LIQUID INJECTION	<input type="checkbox"/>	WASTE DISPOSAL	<input type="checkbox"/>	IF "GAS" PRODUCTION	<input type="checkbox"/>	X STORAGE	<input checked="" type="checkbox"/>	DEEP	<input type="checkbox"/>	SHALLOW	<input checked="" type="checkbox"/>
LOCATION:	ELEVATION	<u>1,441'</u>		WATERSHED	<u>JASPER WORKMAN BRANCH</u>										
	DISTRICT	<u>CROOK</u>		COUNTY	<u>BOONE</u>		QUADRANGLE	<u>LORADO 7.5'</u>							
SURFACE OWNER	<u>SOUTHERN LAND COMPANY LTD. & DICKINSON PROPERTIES LTD.</u>				ACREAGE	<u>7,034.95±</u>									
ROYALTY OWNER	<u>SOUTHERN LAND COMPANY LTD. & DICKINSON PROPERTIES LTD.</u>				LEASE ACREAGE	<u>15,404.61±</u>									
PROPOSED WORK:					LEASE NO.	<u>033666</u>									
DRILL	<input checked="" type="checkbox"/>	CONVERT	<input type="checkbox"/>	DRILL DEEPER	<input type="checkbox"/>	REDRILL	<input type="checkbox"/>	FRACTURE OR STIMULATE	<input type="checkbox"/>	X PLUG OFF OLD	<input checked="" type="checkbox"/>				
FORMATION	<input type="checkbox"/>				PERFORATE NEW FORMATION	<input type="checkbox"/>	PLUG AND ABANDON	<input type="checkbox"/>	CLEAN OUT AND REPLUG	<input type="checkbox"/>	OTHER <input type="checkbox"/>				
PHYSICAL CHANGE IN WELL (SPECIFY)					TARGET FORMATION	<u>DEVONIAN SHALE</u>									
					ESTIMATED DEPTH	<u>5,910'</u>									

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT STEPHEN G. PERDUE JUN 23 2006
 ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
 CHARLESTON, WV 25302 CHARLESTON, WV 25302

COUNTY NAME Boone
PERMIT NO. 2097

**State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work**

API # 4700502097

Farm Name Southern Land Company **Well Number** 507398
Location **Elevation** 1,441 **Quadrangle** LORADO
District Crook **County** Boone, WV
Latitude 9860 **FSL** 37.00 **52.00** **Second** 30.00
Longitude 7860 **FWL** 81.00 **37.00** **30.00**

Company Equitable Production Company
 1710 Pennsylvania Avenue Charleston,
 WV 25328
Agent Todd Tetrick
Inspector Carlos Hivel
Permit Issued 06/22/2006

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cubic Ft
13 3/8	30	30	
9 5/8	472	472	216.05
7	1,823	1,823	360.90
4 1/2	5,116	5,116	409.20

Well Work Commenced 08/23/2006
Well Work Completed 09/18/2006
Verbal Plugging
 Permission granted or _____
Rotary Rig **Cable Rig** _____

Total Depth 5,172

Water Encountered

Type	From
Fresh water	damp @ 90'
Salt Water	damp @ 1270'

Coal & Open Mines

Type	From
Coal	48'-60', 170'-175', 185'-190'
Coal	460'-465', 809'-815'

RECEIVED
 Office of Oil & Gas
 Office of Chief
DEC 22 2006
 WV Department of
 Environmental Protection

Open Flow Data

REV 1 R 2007

Producing Formation
 Lower Huron ; Lower Huron/ Sill ; Berea ; Pay Zone Depth (ft): See attached for details ; Big Lime ; Middle Maxton ;

Gas: Initial Open Flow 0 MCF 8/31/06 Date **Oil: Initial Open Flow** _____ Bbl/d
Final Open Flow 3,243 MCF 09/18/2006 Date **Final Open Flow** _____

Time of open flow between initial and final tests 0 hours
Static Rock Pressure 650 after 0 hours

Second Producing Formation _____ Pay Zone Depth (ft) _____
Gas: Initial Open Flow _____ MCF _____ Date **Oil: Initial Open Flow** _____ Bbl/d
Final Open Flow _____ MCF _____ Date **Final Open Flow** _____

Time of open flow between initial and final tests _____ hours
Static Rock 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, a systematic detailed geological record of all formations including coal encountered in the well bore

For Equitable Production Company
 By Todd Tetrick
 Date 12/20/06

B00 2097

**Equitable Production Company
WR-35 Completion Report - Attachment
Well Treatment Summary**

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Date 09/08/2006	Date 09/08/2006	Date 09/08/2006	Date 09/08/2006	Date 09/08/2006
FracTyp 75Q Foam	FracTyp 75Q Foam	FracTyp Variabl Foam	FracTyp 75Q Foam	FracTyp 65Q Foam
Zone Lower Huron	Zone Lower Huron/ Silt	Zone Berea	Zone Big Lime	Zone Middle Maxton
# of Perfs 16	# of Perfs 11	# of Perfs 21	# of Perfs 42	# of Perfs 54
From/To 4,858- 5,043	From/To 4,497- 4,517	From/To 3,371- 3,381	From/To 2,643- 2,823	From/To 2,154- 2,248
BD Press 977	BD Press 3,780	BD Press 4,009	BD Press 2,185	BD Press 1,330
ATP Psi 3,432	ATP Psi 2,824	ATP Psi 2,449	ATP Psi 3,398	ATP Psi 2,572
Avg Rate 40	Avg Rate 29	Avg Rate 43	Avg Rate 35	Avg Rate 34
Max Press Psi 3,622	Max Press Psi 3,624	Max Press Psi 2,714	Max Press Psi 3,576	Max Press Psi 2,721
ISIP Psi 359	ISIP Psi 1,806	ISIP Psi 0	ISIP Psi 3,251	ISIP Psi 2,048
10min SIP 240 5 min.	10min SIP 1,467 5 min.	10min SIP 0 5 min.	10min SIP 2,990 5 min.	10min SIP 1,883 5 min.
Frac Gradient 0.46	Frac Gradient 0.43	Frac Gradient 0.50	Frac Gradient 1.24	Frac Gradient 0.90

Sand Proppant 471.77	Sand Proppant 488.12	Sand Proppant 455.63	Sand Proppant 0.00	Sand Proppant 618.28
Water-bbl 340	Water-bbl 374	Water-bbl 175	Water-bbl 15.4	Water-bbl 424
SCF N2 638,600	SCF N2 799,500	SCF N2 502,700	SCF N2 320,600	SCF N2 490,900
Acid-gal 600 gal 7.5%	Acid-gal 1,050 gal 7.5%	Acid-gal 350 gal 15%HCL	Acid-gal 4,000 gal 15%HCL	Acid-gal 1,250 gal 15%HCL

Formation Name	Depth To	Depth Bottom	Formation Thick
SALT SAND	960.00	1,589	629.00
AVIS	1,939.00	1,973	34.00
UPPER MAXTON	1,998.00	2,077	79.00
MIDDLE MAXTON	2,140.00	2,258	118.00
LOWER MAXTON	2,393.00	2,472	79.00
BIG LIME	2,566.00	2,878	312.00
LOWER WEIR	3,113.00	3,184	71.00
SUNBURY	3,351.00	3,369	18.00
BEREA	3,369.00	3,383	14.00
LOWER HURON	4,459.00	5,044	585.00
LHRN SILTSTONE	4,481.00	4,606	125.00
JAVA	5,044.00	0	0.00

Gas Tests	
Depth	Remarks
2,100	odor
3,100	133mcf
3,400	133mcf
3,703	133mcf
4,000	133mcf
4,300	103mcf
4,600	133mcf
4,900	odor
5,172	odor

MAY 10 2007

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