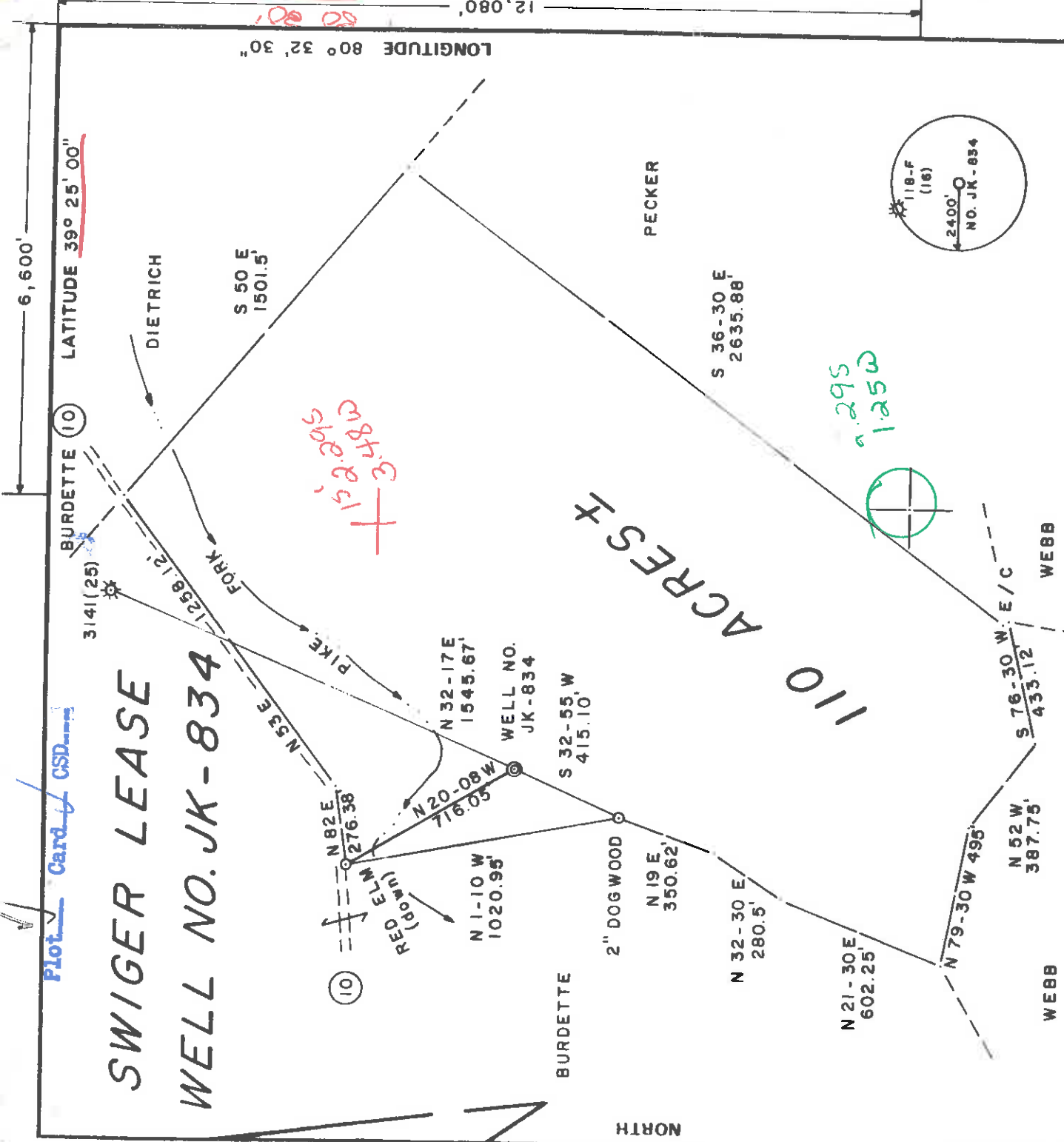


Plot Card of CSD

SWIGER LEASE WELL NO. JK-834



LONGITUDE 80° 32' 30"

LATITUDE 39° 25' 00"

FILE NO. 12-36
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF _____
 ACCURACY 1/200
 PROVEN SOURCE OF _____
 ELEVATION UNCT. OF ROADS _____
 ELEV. 912'

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) Gregory A. Smith
 R.P.E. L.L.S. 677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)

PLACE SEAL HERE



DATE NOVEMBER 1, 19 83
 OPERATOR'S WELL NO. JK-834
 API WELL NO. 47-017-3286
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION ELEVATION 936' WATER SHED PIKE FORK
 DISTRICT McCLELLAN COUNTY DODDRIDGE
 QUADRANGLE FOLSOM 7.5' Center point 15 EC
 SURFACE OWNER MARTIN DECKER ACREAGE 110
 OIL & GAS ROYALTY OWNER CLARENCE W. MUTSCHELKNAUS, et al LEASE ACREAGE 110
 LEASE NO. JK-23
 PROPOSED WORK: DRILL 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 ALEXANDER ESTIMATED DEPTH 5150'
 WELL OPERATOR J.B. ENTERPRISES, INC. DESIGNATED AGENT RICHARD M. REDDECLIFF
 ADDRESS P.O. BOX 48 BUCKHANNON, WV 26201

6-6 Smithton-Flint-Sedalia (99)

JAN 23 1984

DODD 3286



Date June 8, 1984
 Operator's Well No. WK-390 JK-834
 Farm Decker
 API No. 47 - 017 - 3286

State of West Virginia
 Department of Mines
 Oil and Gas Division

WELL OPERATOR'S REPORT

OF
 DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
 (If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 936' Watershed Pike Fork
 District: McClellan County Doddridge Quadrangle Folsom 7.5

COMPANY Kepeco, Inc.
 ADDRESS 436 Blvd. of the Allies
Pittsburgh, PA 15219
 DESIGNATED AGENT E. L. Stuart
 ADDRESS P.O. Box 1550
Clarksburg, WV 26301
 SURFACE OWNER Martha Decker
 ADDRESS Rt. 1 Box 77-B
Belgium, WI 53004

MINERAL RIGHTS OWNER Clarence w. Mutschelknaus et al
 ADDRESS Rt. 1 Box 52
Salem, WV 26426

OIL AND GAS INSPECTOR FOR THIS WORK Mike
Underwood ADDRESS Rt. 2 Box 114
Salem, WV 26426

PERMIT ISSUED January 17, 1984
 DRILLING COMMENCED April 25, 1984
 DRILLING COMPLETED May 1, 1984

IF APPLICABLE: PLUGGING OF DRY HOLE ON
 CONTINUOUS PROGRESSION FROM DRILLING OR
 REWORKING. VERBAL PERMISSION OBTAINED
 ON _____

Casing Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10"	38'	38'	10 sks neat
9 5/8			
8 5/8	1256'	1356'	250 sks neat cmt.
7			
5 1/2			
4 1/2	5375'	5375'	410 sks pozmix
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5242 feet
 Depth of completed well 5550 feet Rotary X / Cable Tools _____
 Water strata depth: Fresh 145 feet; Salt 1350 feet
 Coal seam depths: _____ N/A Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Alexander, Benson 5242, 4967
Balltown 3908 feet
 Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d
 Final open flow 270 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 8 hours
 Static rock pressure 1400 psig (surface measurement) after 48 hours shut in
 (If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet
 Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ hours
 Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

PERFORATIONS: PERFCO WIRELINE 5-8-84

Baltimore 3908'-3924' Avg. press 2800 psig Avg. rate 25 BPM
Benson 4967'-4977' Avg. press 3100 psig Avg. rate 22 BPM
Alex. 5242'-5268' Avg. press 2950 psig Avg. rate 24 BPM

FRAC: HALLIBURTON SERVICES 5-8-84, 3 stages water frac with Nitrogen assist

1st stage 35,000 # 20/40 sand
 2nd stage 35,000 lb 20/40 sand
 3rd stage 25,000 lb 20/40 sand

WELL LOG

FORMATION: COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Clay and soil	0	20	Including indication of all fresh and salt water, coal, oil and gas
Shale	20	25	
Sand	25	40	From Driller's Log
Shale	40	60	Fresh water @ 34'
Red Rock	60	62	
Sandy Shale	62	70	
Red Rock	70	80	
Black Shale	80	100	
Sandy Shale	100	105	
Sand	105	120	
Sand & Shale	120	375	Fresh water @ 145'
Sand & Lime	375	400	
Sandy Shale	400	415	
Sand	415	485	
Sand & Shale	485	695	
Shale & Red Rock	695	755	
Sandy Shale	755	790	
Red Rock	790	870	
Shale	870	1000	
Sand & Shale	1000	1360	Salt water @ 1350'
Sand	1360	1455	From Electric Log
Sand & Shale	1455	1878	
Big Lime	1878	1940	
Big Injun	1940	2002	
Sand & Shale	2002	2600	
4th Sand	2600	2632	
Shale	2632	2660	
5th Sand	2660	2718	
Shale	2718	2736	
5th Stray Sand	2736	2752	
Shale	2752	3908	
Balltown	3908	3925	
Shale	3925	4965	
Benson	4965	4978	
Shale	4978	5240	Show gas @ 4970'
Alexander	5240	5528	
Shale	5528	5528	
TD	5528		

(Attach separate sheets as necessary)

Kepeco, Inc.
 Well Operator
 By: [Signature] Operations Manager
 Date: June 8, 1984

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... encountered in the drilling of a well."



1) Date: December 5 19 83
 2) Operator's Well No. JK-834
 3) API Well No. 47 - 017 - 3286
 State County Permit

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 20 1983

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: OIL & GAS DIVISION: Oil-Mine-Gas Gas Production

5) LOCATION: Elevation: 936 Undergrnd storage Deep Shallow

6) WELL OPERATOR: McClellan Watershed: Pike Fork
 Address: J&J Enterprises, Inc. County: Doddrige

8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name: Mike Underwood 7) DESIGNATED AGENT: Richard Reddcliff
 Address: Rt. # 2, Box 114 Address: P.O. Box 48

9) DRILLING CONTRACTOR:
 Name: S.W. Jack Drilling Company
 Address: Salem, WV 26426 Address: P.O. Box 48

10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate Perforate new formation

11) GEOLOGICAL TARGET FORMATION, Alexander
 12) Estimated depth of completed well, 5150 feet
 13) Approximate trata depths: Fresh, 125 feet; salt, 0 feet.
 14) Approximate coal seam depths: 275 feet.

15) CASING AND TUBING PROGRAM Is coal being mined in the area? Yes DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		PACKERS
	Size	Grade	Weight per ft.	New	Used	
Conductor	11 3/4	H-40	42	X		
Fresh water	8 5/8	ERW	23	X		
Coal	8 5/8	ERW	23	X		
Intermediate						
Production	4 3/4	J-55	10.5	X		
Tubing						
Liners						

CEMENT FILL-UP OR SACKS (Cubic feet): 0 sks.
 Left in well: 0
 For drilling: 30
 CEMENT FILL-UP OR SACKS (Cubic feet): 0 sks.
 Left in well: 1100
 For drilling: 1100
 Kinds: TO SURFACE BY RULE 15.01
 TO SURFACE SIZES: TO SURFACE BY RULE 15.01
 Depths set: 250 sks.
 Perforations: as req. by rule 15.01
 Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3286

January 17, 19 84
 Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)
 The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires January 17, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>MARKET BOND Co</u>	<u>MA</u>	<u>MA</u>	<u>MA</u>	<u>1377</u>

NOTE: Keep one copy of this permit posted at the drilling location.
 Administrator, Office of Oil and Gas

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File

WR-35
Rev (5-01)

DATE: December 07, 2006
API #: 47-017-03286F

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Thompson, David Operator Well Decker 1 WV 2281

LOCATION: Elevation: 940' Quadrangle: Folsom 7.5

District: McClellan County: Doddridge

Latitude: 6600' Feet South of 39 Deg. 25 Min. 00 Sec.
Longitude 12000' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Seneca Upshur Petroleum Corp.

Address: P.O. Box 2048 Buckhannon WV 26201	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Agent: James Turner	13 10"	38'	38'	10 sks neat
Inspector: Mike Underwood	8 5/8"	1256'	1256'	250sks neat
Date Permit Issued: 9/13/2006	4 1/2"	5375'	5375'	410 sks pozmix
Date Well Work Commenced: Sept. 13, 2006				
Date Well Work Completed: October 24, 2006				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): 5375', Bridge Plug 3503'				
Fresh Water Depth (ft.): 145'				
Salt Water Depth (ft.): 1350'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation 4th Sand Pay zone depth (ft) 2614'-2618'
 Gas: Initial open flow 1000 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 500 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 12 Hours
 Static rock Pressure 330 psig (surface pressure) after 24 Hours
 Comingled:

Second producing formation Big Injun Pay zone depth (ft) 1970'-1976'
 Gas: Initial open flow 1000 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 500 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 12 Hours
 Static rock Pressure 330 psig (surface pressure) after 24 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.

Signed:

By: [Signature] VP + GM
Date: 12-7-06

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Office of Oil & Gas

JAN 10 2007

WV Department of
Environmental Protection

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FEB 09 2007

Stimulation Summary

1st Stage - Water Frac N2 assist, Perforations - 5th Sand 2774'-2750' (12 holes), 4th Sand 2614'-2618' (8 holes)
500 gal. 7 1/2% HCL, Break 2510 psig, 250 gal. HCL perf balls, ballout
25,500 lbs 30/50 sand, 283 bbls X link gel, Avg. Rate 17.8 bpm
Avg. Treating Press. 2549 psig, N2 63,000 scf, ISDP2369 psig

2nd Stage - Perforations - Big Injun 1970'-1976' (12 holes)
500 gal. 7 1/2% HCL, Break 2513 psig
20,000 lbs 30/50 sand, 247 bbls X link gel, Avg. Rate 14 bpm
Avg. Treating Press. 3528 psig, N2 68,500 scf, ISDP 1857 psig

Production Tops

Big Lime	1878'-1940'
Big Injun	1940'-2002'
4 th Sand	2600'-2632'
5 th Sand	2660'-2718'
5 th Sand Stray	2736'-2752'
Balltown	3908'-3925'
Benson	4965'-4978'
Alexander	5240'-5270'
TD	5528'

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Office of Oil & Gas

JAN 1 0 2007

WV Department of
Environmental Protection

2007

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