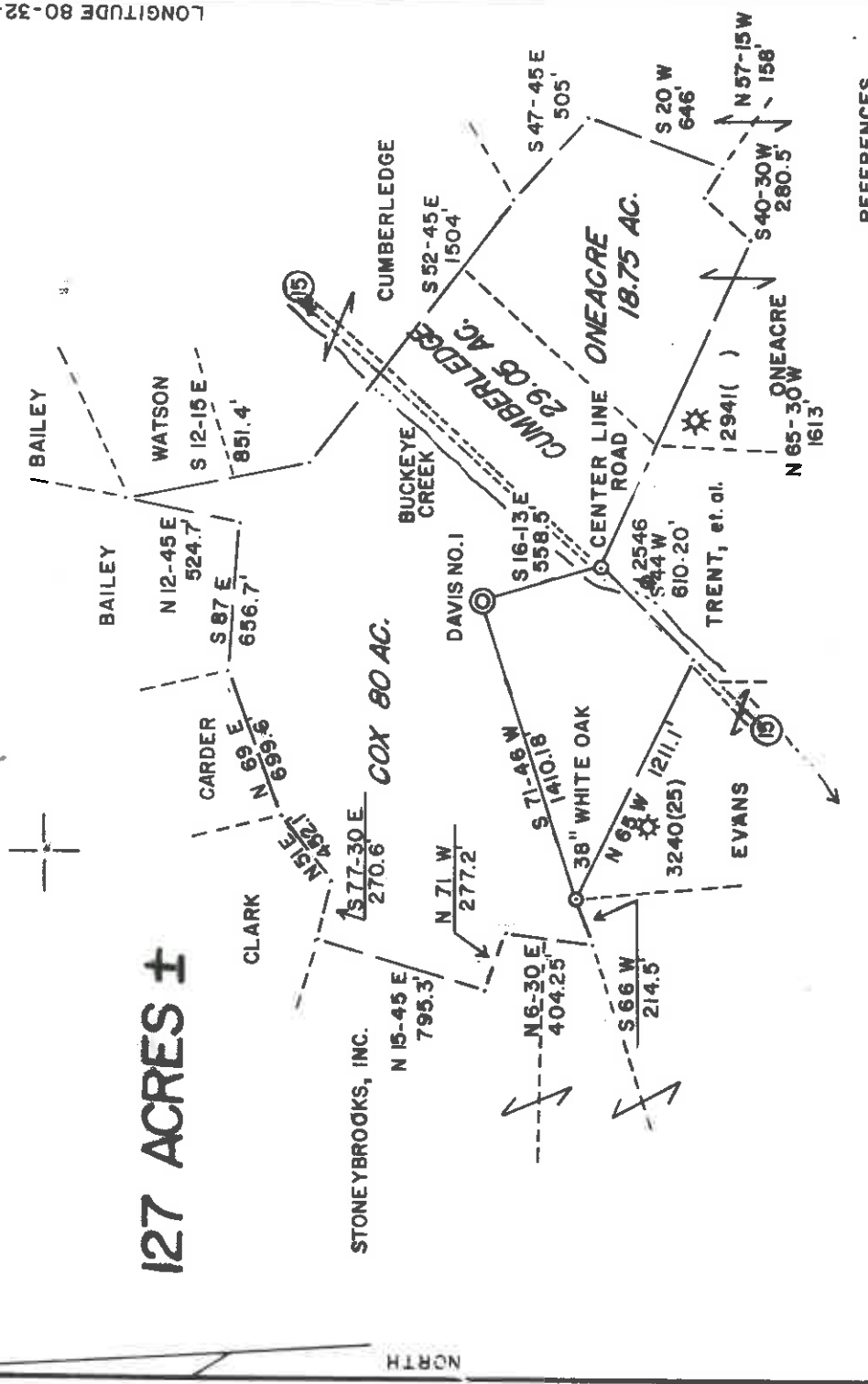


DAVIS LEASE

DAVIS NO. 1

127 ACRES ±

0.105
0.050

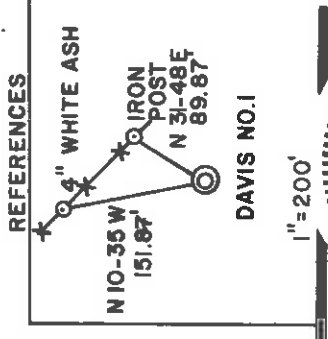


DAVIS NO. 1 TO DODD.-3240 S 52-34 W 1260.75'
 DAVIS NO. 1 TO DODD.-2941 S 40-54 E 1271.72'

ALL WELLS SHOWN WITHIN 1200'



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE 18 JANUARY, 1986
 OPERATORS WELL NO. DAVIS NO. 1 (E-37)
 API WELL NO. 47-017-3549-F
 STATE COUNTY PERMIT



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.

L.L.S. Gregory A. Smith
 677

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

MINIMUM DEGREE OF ACCURACY 1 / 200
 PROVEN SOURCE OF ELEVATION JUNC. OF ROADS ELEV. 963'
 FILE NO. 19-5
 SCALE 1"=800'

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

LOCATION: ELEVATION 1044' WATERSHED BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE QUADRANGLE BIG ISAAC 7.5'
 SURFACE OWNER RUTH COX ACREAGE 80
 OIL & GAS ROYALTY OWNER MINNIE LEE, et al. LEASE ACREAGE 127

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF
 OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION ALEXANDER
 LEASE NO. ESTIMATED DEPTH 5700'

WELL OPERATOR EXCELENERGY, INC. DESIGNATED AGENT HARRY L. BARNETT
 ADDRESS P.O. BOX 1020 BRIDGEPORT, WV 26330
 COUNTY NAME PERMIT 3549

WR-35

RECEIVED
Office of Oil & Gas
UIC Section

MAY 19 1999

WV Division of
Environmental Protection

25-Aug-97
API # 47- 17-03549 F

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

Reviewed

Well Operator's Report of Well Work

HENREY, DON

Operator Well No.: DAVIS #1-E-37

LOCATION: Elevation: 1,044.00

Quadrangle: BIG ISAAC

District: GREENBRIER
Latitude: 3690 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 9800 Feet West of 80 Deg. 32 Min. 30 Sec.

County: DODDRIDGE

Company: EXCEL ENERGY, INC
P. O. BOX 1020
BRIDGEPORT, WV 26330-1020

Agent: HARRY L. BARNETT

Inspector: MIKE UNDERWOOD
Permit Issued: 08/26/97
Well work Commenced: 10/01/97
Well work Completed: 10/05/97
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 5576'
Fresh water depths (ft) 75' & 330'

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 115'-119'

OPEN FLOW DATA

Producing formation Fifth Sand

Gas: Initial open flow show MCF/d Oil: Initial open flow (ft) 2876-2980
Final open flow 650 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests 36 Hours
Static rock Pressure 400 psig (surface pressure) after 24 Hours

Second producing formation N/A

Gas: Initial open flow MCF/d Oil: Initial open flow (ft) -----
Final open flow MCF/d Final open flow Bbl/d
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: EXCEL ENERGY INC

By: *H.L. Barnett*

H.L. Barnett

Date: May 17, 1999

JUN 01 1999

Dodd 3549 F

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

STAGE I Fifth Sand 2876'-2980' (9 holes) Frac using 160 bbls H2O, 40,000# sand, 650,000 SCF N2, and 500 gal Acid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Soil & Sand			0	22	Including indication of all fresh and salt water, coal oil and gas
Sand			22	75	
Shale			75	115	Damp @ 75'
Coal			115	119	
Shale			119	200	
Red Rock & Shale			220	330	1" stream @ 330'
Sand			330	380	
Red Rock & Shale			380	500	
Sand & Shale			500	700	
Sand			700	740	
Sand & Shale			740	980	
Sand			980	1020	
Shale			1020	1080	
Sand & Shale			1080	1980	
Lime			1980	2080	
Sand			2080	2175	
Sand & Shale			2175	3000	
Shale			3000	TD 5576	

Gamma Ray Log:
 Big Lime 2018 - 2058
 Gordon 2650 - 2790
 Fifth 2980 - 2990
 Spechley 4300 - 3410
 Benson 4950 - 4965
 Alexander 5284 - 5340
 DTD 5576
 LTD 5575

WR-35

7/26/87
7/15/87



State of West Virginia

DEPARTMENT OF ENERGY

Oil and Gas Division

Date July 9th, 1987
Operator's Well No. E-37
Farm A. Davis # 1
API No. 47 - 017 - 3549

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 /)

LOCATION: Elevation: 1044' Watershed Buckeye Creek
District: Greenbrier County Doddridge Quadrangle Big Isaac 7 1/2

COMPANY Excel Energy, Inc.
ADDRESS P.O. Box 1020, Bridgeport, WV 26330
DESIGNATED AGENT H. L. Barnett
ADDRESS P.O. Box 1020, Bridgeport, WV 26330
SURFACE OWNER Ruth Cox
ADDRESS Rt. 3 Box 4, Salem, WV 26426
MINERAL RIGHTS OWNER Minnie Lee, et, al.
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK
M. Underwood ADDRESS Rt. 2 Box 114, Salem, WV 26426
PERMIT ISSUED June 4th, 1987
DRILLING COMMENCED June 23, 1987
DRILLING COMPLETED June 28, 1987
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
GN

Casing & Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
Cond. 1 1/4			
13-10"	20'		
9 5/8			
8 5/8	1097		To Surface
7			
5 1/2			
4 1/2	5462		600 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander, Benson Depth 5,400 feet
Depth of completed well 5,576 feet Rotary X / Cable Tools
Water strata depth: Fresh 75,330 feet; Salt -0-feet
Coal seam depths: 115-119 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5,284-5,339 feet
Gas: Initial open flow 189 Mcf/d Oil: Initial open flow -0- Bbl/d
Final open flow 1,283 Mcf/d Final open flow -0- Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 1,550 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)

Second producing formation Benson Pay zone depth feet
Gas: Initial open flow 189 Mcf/d Oil: Initial open flow -0- Bbl/d
Final open flow 1,283 Mcf/d Oil: Final open flow -0- Bbl/d

Time of open flow between initial and final tests -0- hours DEC 7 1987
Static rock pressure 1,550 psig (surface measurement) after 24 hours shut in

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

<u>Perforations</u>	<u>Zone</u>	<u>Fracturing Data</u>
<u>5284-5290</u>	<u>Alexander</u>	500 gal 15% HCL, 40,000#Sand, 200bb1 75 Q Foam
<u>4953-4959</u>	<u>Benson</u>	500 gal 15% HCL, 50,000#Sand, 240bb1 75 Q Foam

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil & Sand	Surface (0)	22	
Sand	22	75	Damp @ 75'
Shale	75	115	
Coal	115	119	
Shale	119	200	
Red Rock & Shale	200	330	
Sand	330	380	
Red Rock & Shale	380	500	
Sand & Shale	500	700	
Sand	700	740	
Sand & Shale	740	980	
Sand	980	1020	Gamma Ray Log: ✓
Shale	1020	1080	
Sand & Shale	1080	1980	Big Lime - 2018-2058
Lime	1980	2080	Gordon - 2650-2790
Sand	2080	2175	Fifth - 2980-2990
Sand & Shale	2175	3000	Speechley - 4300-3410
Shale	3000	5576 - TD	Benson - 4950-4965
		<u>5576 @ TD</u>	Alexander - 5284-5340
			DTD -5576 ✓
			LTD -5576

(Attach separate sheets as necessary)

EXCEL ENERGY, INC.

Well Operator

By: A. J. [Signature]

Date: JULY 9TH, 1987

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 all, encountered in the drilling of a well."
 1263

FORM MW-2 (B) FILE COPY
RECEIVED
 JUN 04 1987



1) Date: May 11th, 1987
 2) Operator's Well No. E-37
 3) API Well No. 47 017 3549
 State County Permit

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

4) WELL TYPE: A Oil Gas / Deep / Shallow
 B (If "Gas", Production 1044' / Undergrnd storage BUCKEYE CREEK
 5) LOCATION: Elevation: 1044' / Watershed: DODDRIDGE 017 / Quadrangle: BIG ISAAC 7.5 252
 District: GREENBRIER 4 / County: 14570 7) DESIGNATED AGENT H. L. BARNETT.
 6) WELL OPERATOR EXCEL ENERGY, INC. CODE: 14570 7) Address RT. 1, 63 ST. JAMES DRIVE
 P.O. BOX 1020 CLARKSBURG, WV 26301
 BRIDGEPORT, WV 26330
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name MIKE UNDERWOOD / THE COASTAL CORPORATION
 Address RT. 2 BOX 114 / 3501 emerson ave. #4B
 SALEM, WV 26426 / PARKERSBURG, WV 26101

9) DRILLING CONTRACTOR:
 Name THE COASTAL CORPORATION
 Address 3501 emerson ave. #4B
 PARKERSBURG, WV 26101

10) PROPOSED WELL WORK: Drill / deeper / Drill / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) ALEXANDER

11) GEOLOGICAL TARGET FORMATION, ALEXANDER

12) Estimated depth of completed well, 5,700' feet
 13) Approximate trata depths: Fresh, 190' feet; salt, _____ feet.
 14) Approximate coal seam depths: 1,005' Is coal being mined in the area? Yes _____ No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS		New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade			Weight per ft.	For drilling		
Conductor	113/4		X		30'	-0-		
Fresh water								
Coal								
Intermediate	85/8		X		1100'	1100'	231 sks	Sizes Per Rule 15.05
Production	41/2		X		5670'	5670'	200 sks	Depths set
Tubing							560 sks	GRAS REQUIRED
L.in.							BY RULE 15.05	Positions:
								Top
								Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3549 Date June 4, 1987

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 June 4, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: 1232	WPCP: <input checked="" type="checkbox"/>	SAP: <input checked="" type="checkbox"/>	Other: <input checked="" type="checkbox"/>
				908			

NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

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

10248

1) Well Operator: Excel Energy, Inc. 16570 9 252
 2) Operator's Well Number: E-37
 Well type: (a) Oil or Gas
 (b) If Gas: Production / Underground Storage
 Deep / Shallow 422
 Proposed Target Formation(s): Fifth Sands
 Proposed Total Depth: 5,576 feet
 3) Elevation: 1,044'
 Issued 08/26/97
 Expires 08/26/99
 HE
 EMISSIONS SECTION
 AUG 2 1997
 Permitting
 Office of Oil & Gas

24201

7) Approximate fresh water strata depths: 330'
 8) Approximate salt water depths: N/A
 9) Approximate coal seam depths: 115'-119'
 10) Does land contain coal seams tributary to active mine? Yes / No
 11) Proposed Well Work: Refrac existing well.
 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS	FOOTAGE INTERVALS	CEMENT			
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water						
Coal						
Intermediate	8 5/8"		1,097'		1,097'	to surface
Production	4 1/2"		5,462'		5,462'	600 sks <u>0.6 Mils</u>
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond _____ (Type)
 Agent

1) Date: August 18, 1997
2) Operator's well number Davis E-37
3) API Well No: 47 - 017 - 03549-1
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FD
Permitting
Office of Oil & Gas

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Don Henrey
Address Rt. 3, Box 4-B
Salem, WV 26426
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator: N/A
Name _____
Address _____
- (b) Coal Owner(s) with Declaration
Name Willis G. Tetrick, Jr.
Address Union National Bank Bldg.
Clarksburg, WV 26301
- Name _____
Address _____
- (c) Coal Lessee with Declaration
Name N/A
Address _____
- 6) Inspector Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426
Telephone (304) - 782-1043

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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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 22-6 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.



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
GWENDOLYN K. ALVAREZ
P. O. Box 1020
Bridgeport, WV 26330
My Commission Expires November 9, 1998

Well Operator Excel Energy, Inc.
By: H.L. Barnett H.L. Barnett
Its: _____ President
Address PO Box 1020
Bridgeport, WV 26330
Telephone (304) 842-6927

Subscribed and sworn before me this 18th day of August, 1997
My commission expires November 9, 1998
Gwendolyn K. Alvarez Notary Public