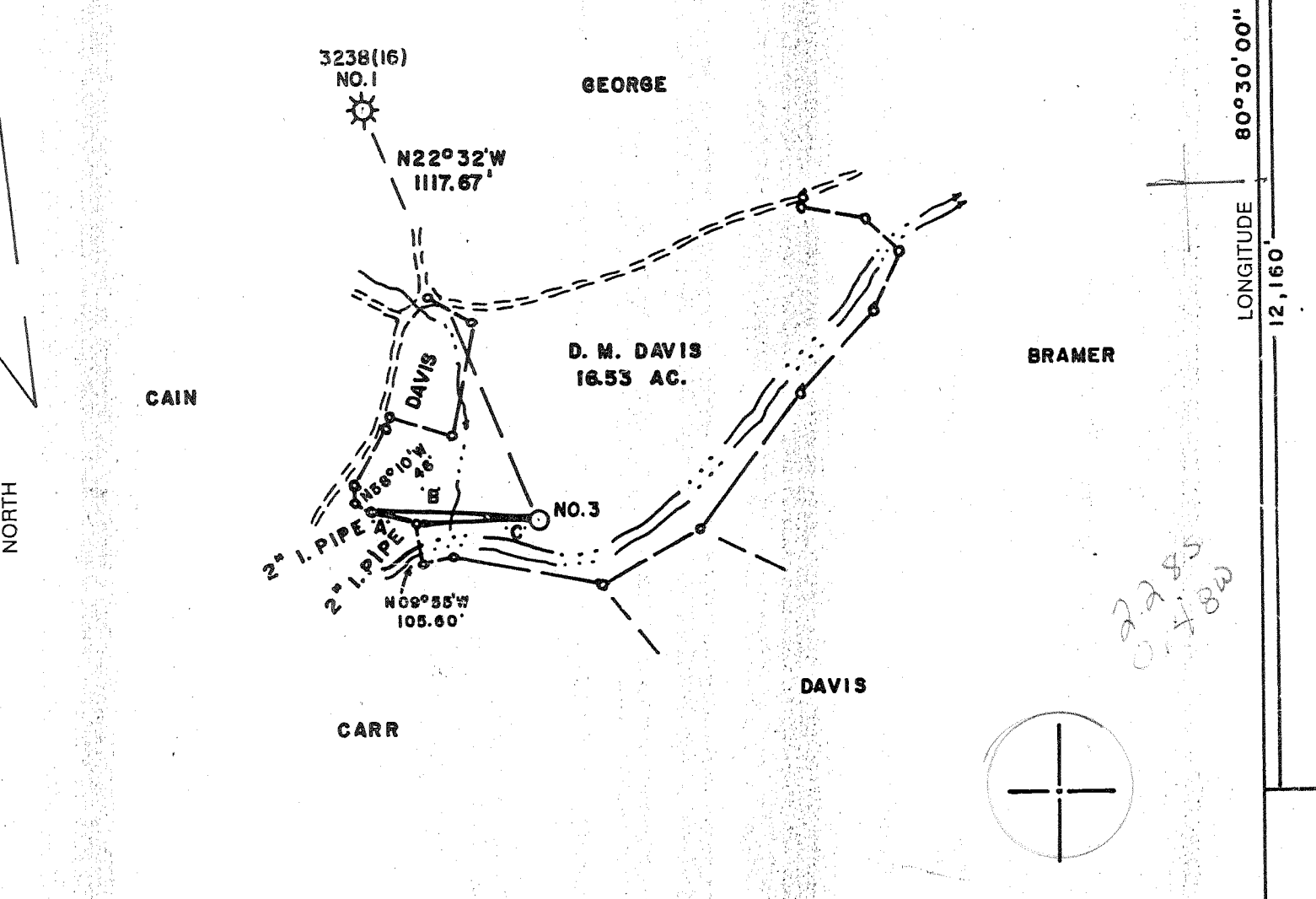


7771 12/5/86

LATITUDE 39° 20' 00" 2550'

WELL REFERENCES:
S41°15'E, 88.20' TO 4" CHERRY
S79°W, 151.20' TO 8" SUGAR

NOTE: THE NEAR CORNER OF A HOUSE TRAILER BEARS N39°30'W, 184' FROM THE NO. 3 LOCATION.



LONGITUDE 80° 03' 00" 12,160'

TIE LINES:
'A' - N76°21'W, 117.05'
'B' - S87°45'E, 415.12'
'C' - S87°50'W, 301.27'

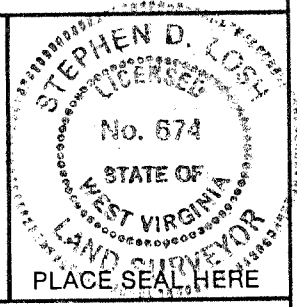
LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION RD. INTER. NORTH OF LOCATION
ELEV. 1019'

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) [Signature]
R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE NOVEMBER 10, 19 86
OPERATOR'S WELL NO. DAVIS NO. 3
API WELL NO. 47-033-3386
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1009' WATER SHED SALEM FORK
DISTRICT TENMILE COUNTY HARRISON
QUADRANGLE SALEM 7.5 min. 596 022 SE9 Centerpoint

SURFACE OWNER DONALD M. DAVIS ACREAGE 16.53
OIL & GAS ROYALTY OWNER DONALD M. DAVIS LEASE ACREAGE 90
LEASE NO. _____

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 5TH SAND ESTIMATED DEPTH 3000'
WELL OPERATOR EXCEL ENERGY, INC. DESIGNATED AGENT HARRY BARNETT
ADDRESS 901 W. MAIN ST. 1098 ADDRESS 901 W. MAIN ST. BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

DEC 8 1986

6-6 Salem (102)



Date July 21, 1987
 Operator's Donald Davis #3
 Well No. Donald Davis #3
 Farm Donald Davis
 API No. 47 - 033 - 3386

WR-35

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State of West Virginia

DEPARTMENT OF ENERGY

Oil and Gas Division

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT
 OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1009' Watershed Salem Fork
 District: Tenmile County Harrison Quadrangle Salem 7.5'

COMPANY Excel Energy, Inc.
 ADDRESS 901 W. Main, Bridgeport, WV 26330
 DESIGNATED AGENT Harry Barnett
 ADDRESS 901 W. Main, Bridgeport, WV 26330
 SURFACE OWNER Donald M. Davis
 ADDRESS Rt. 2, Box 47, Bristol, WV
 MINERAL RIGHTS OWNER Donald M. Davis, et al
 ADDRESS Rt. 2, Box 47, Bristol, WV
 OIL AND GAS INSPECTOR FOR THIS WORK Steve Casey
 ADDRESS Jane Lew, WV
 PERMIT ISSUED December 5, 1986
 DRILLING COMMENCED December 15, 1986
 DRILLING COMPLETED March 16, 1987
 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	17'	17'	
13-10"	254'	0'	
9 5/8			
8 5/8	657'	657'	200 sks CTS
7			
5 1/2			
4 1/2	2929'	2929'	165 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Fifth Sand Depth 2950' feet
 Depth of completed well 2947' feet Rotary / Cable Tools XX
 Water strata depth: Fresh 30' feet; Salt feet
 Coal seam depths: 115-17', 505-10', 535-40' Is coal being mined in the area? No

OPEN FLOW DATA

Combined Producing formation Fifth & Fourth Sands Pay zone depth 2868-2872' feet
 Gas: Initial open flow 440 Mcf/d Oil: Initial open flow 1 Bbl/d
 Final open flow 440 Mcf/d Final open flow 3 Bbl/d
 Time of open flow between initial and final tests 4 hours
 Static rock pressure 600 psig (surface measurement) after 24 hours shut in
 (If applicable due to multiple completion--)
 Combined Second producing formation Gordon & Gordon Stray Pay zone depth 2623-2627' feet
 Gas: Initial open flow 440 Mcf/d Oil: Initial open flow Show Bbl/d
 Final open flow 440 Mcf/d Oil: Final open flow 1 Bbl/d
 Time of open flow between initial and final tests 4 hours
 Static rock pressure 600 psig (surface measurement) after 24 hours shut in

SEP 14 1987

(Continue on reverse side)

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

Fifth & Fourth Sands Perfs. 2784'-2872' (8-.39 holes)

561 Bbl foam, 5,000# 80-100 sand, 25,000# 20-40 sand
500 gal. of HCL, 430,000 scf of Nitrogen

Gordon & Gordon Stray Perfs. 2623'-2684' (10-.39 holes)

580 Bbl H2O, 5,000# 80-100 sand, 30,000# 20-40 sand
500 gal. HCL, 87,000 scf of Nitrogen

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand			0	16	1" Fresh water @ 30'
Lime			16	50	
Slate			50	60	
Lime			60	75	
Red Rock			75	90	
Slate & Shale			90	115	
Coal			115	117	
Slate & Shale, lime			117	505	
Coal			505	510	
Slate			510	515	
Lime			515	535	
Coal			535	540	
Shale			540	680	
Red Rock			680	720	
Shale & Red Rock			720	1075	
Sand			1075	1100	
Shale & Slate			1100	1680	
Lime			1680	1725	
Slate & Shale			1725	1850	
Lime			1850	1919	
Big Injun			1919	2000	
Shale			2000	2418	
Sand			2418	2452	
Shale			2452	2516	
Sand			2516	2558	Show of Gas & Oil @ 2525'
Shale			2558	2623	
Sand-Gordon Stray			2623	2631	
Shale			2631	2675	
Sand-Gordon			2675	2686	
Shale			2686	2783	Open Flow @2700' 4/10 Mercury thru 1/2"
Sand-Fourth			2783	2788	
Shale			2788	2867	Gas Check @2820' 10/10 Mercury 1/2"
Sand-Fifth			2867	2873	Show of Oil @2867'
TD			2947		

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

Excel Energy, Inc.

Well Operator

By: *A. S. Barnes*

Date: *9/8/87*

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 coal, encountered in the drilling of a well."

8933

FORM WW-2 (B) FILE COPY
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1) Date: December 1, 1986
 2) Operator's Well No. Donald Davis #3
 3) API Well No. 47 State 033 County -3386 Permit

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1009' Watershed: Salem Fork
 District: Tenmile 1022 9 County: Harrison 033 Quadrangle: Salem 7.5' 595
- 6) WELL OPERATOR Excel Energy, Inc. CODE: 16570 7) DESIGNATED AGENT Harry Barnett
 Address 901 W. Main St., Suite 201 Address 901 W. Main St., Suite 201
 Bridgeport, WV 26330 Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Steve Casey
 Address Rt. 2, Box 232-D Jane Lew, WV 26378
- 9) DRILLING CONTRACTOR: Name Fluharty Enterprises, Inc.
 Address 94 Valley Street Salem, WV 26426
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Fifth Sand 420
- 12) Estimated depth of completed well, 3,000' feet
- 13) Approximate strata depths: Fresh, 120' feet; salt, _____ feet.
- 14) Approximate coal seam depths: 600' Is coal being mined in the area? Yes / No /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4	ERW	42		X	42'	42'	to surface	Kinds
Fresh water	8 5/8	ERW	20		X	660'	660'		Sizes
Coal									
Intermediate									
Production	4 1/2	J55	10.5	X		3,000'	3,000'	150 sks.	Depths set
Tubing									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-033-3386 Date December 5, 1986

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 December 5, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <i>AD</i>	Plat: <i>MUMU</i>	Casing: <i>MUMU</i>	Fee: 814 157	WPCP: <i>MUMU</i>	S&E: <i>MUMU</i>	Other:
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NOTE: Keep one copy of this permit posted at the drilling location. Director, Division of Oil and Gas File

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