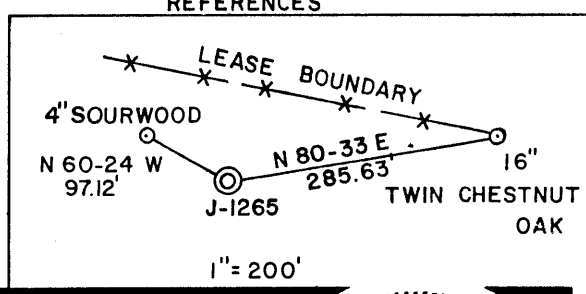
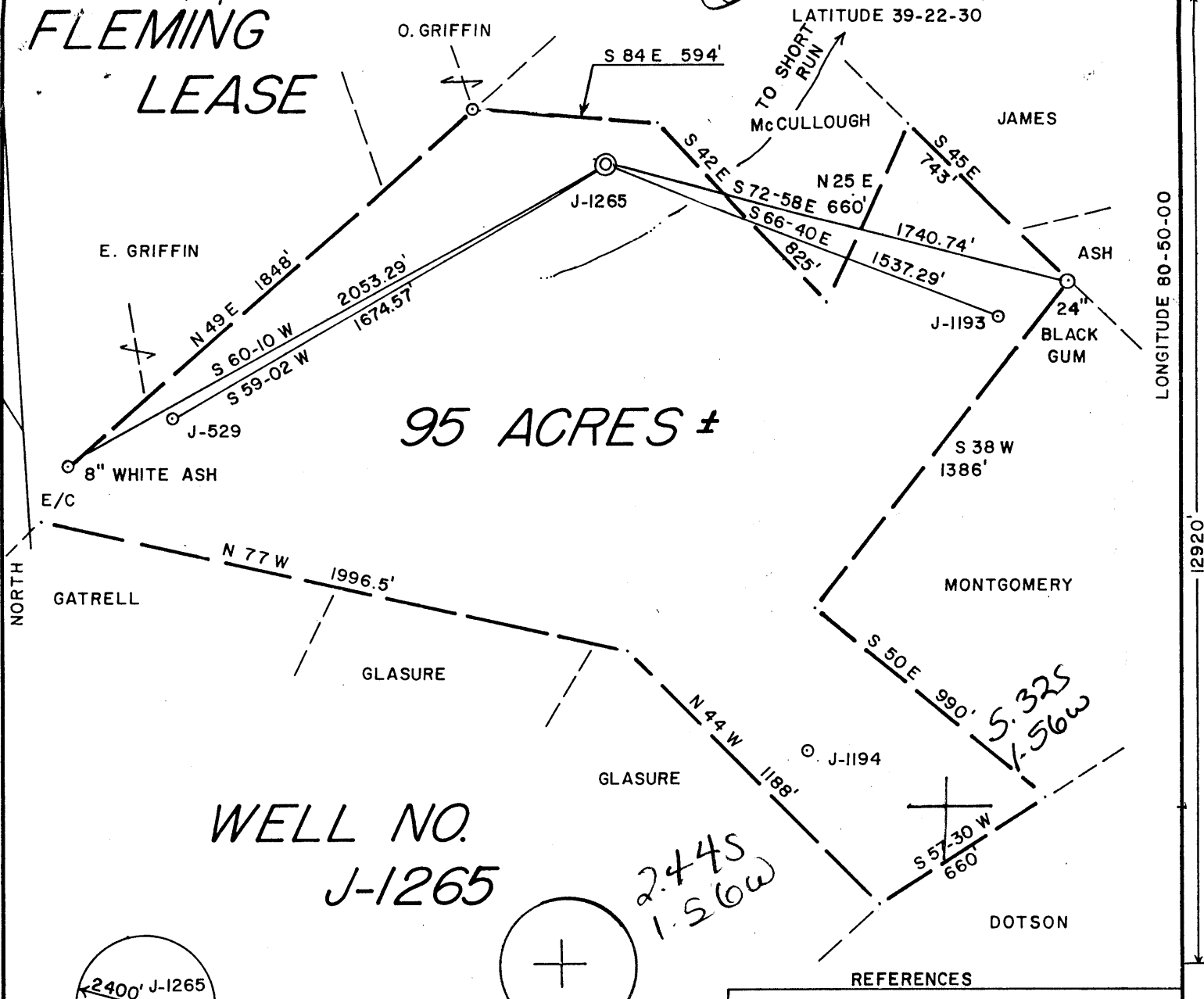
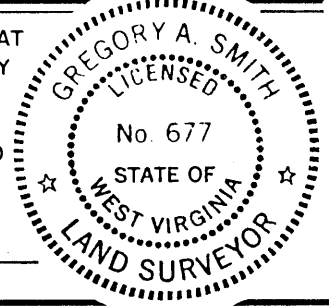


FLEMING LEASE

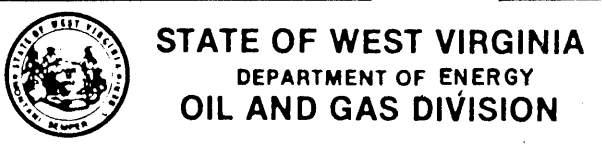


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE FEBRUARY 12, 1986
 OPERATORS WELL NO. J-1265
 API WELL NO. 47-095-1148
 STATE COUNTY PERMIT

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 MINES.
 L.L.S. Gregory A. Smith
 677



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 19-13
 PROVEN SOURCE OF ELEVATION JUNCTION ROADS SCALE 1" = 500'
 ELEVATION = 832



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

LOCATION: ELEVATION 1102' WATERSHED SHORT RUN
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE WEST UNION 7.5 671
 SURFACE OWNER DAVID W. GLASURE ACREAGE 95 133
 OIL & GAS ROYALTY OWNER DAVID W. GLASURE LEASE ACREAGE 95 C5
 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 5600' JUL 28 1986

WELL OPERATOR J & J ENTERPRISES, INC. 427 DESIGNATED AGENT RICHARD REDDECLIFF
 ADDRESS P.O. BOX 48, BUCKHANNON, WV 26201 ADDRESS P.O. BOX 48, BUCKHANNON, 26201

V-35
Rev. 8-81

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NOV 24 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



State of West Virginia
Department of Mines
Oil and Gas Division

Date November 19, 1986
Operator's
Well No. J-1265
Farm Glasure
API No. 47 - 095 - 1148

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: 1102 Watershed Short Run
District: Centerville County Tyler Quadrangle West Union 7.5

COMPANY J&J Enterprises, Inc.
ADDRESS P.O. Box 48, Buckhannon, Wv 26201
DESIGNATED AGENT Richard Reddecliff
ADDRESS P.O. Box 48 - Buckhannon, WV 26201
SURFACE OWNER David Glasure
ADDRESS Rt. 1, Mingo Jct. OH 43938
MINERAL RIGHTS OWNER Same as surface
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Robert
Lowther ADDRESS Gen Delivery
Middlebourne, WV 26149
PERMIT ISSUED 7/22/86
DRILLING COMMENCED 8/29/86
DRILLING COMPLETED 9/7/86

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	30	0	0 sks.
9 5/8			
8 5/8	1289.85	1289.85	275 sks.
7			
5 1/2			
4 1/2	5064.85	5064.85	200sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5235-5300 feet
Depth of completed well 5547 feet Rotary x / Cable Tools _____
Water strata depth: Fresh 950, 1520 feet; Salt 0 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4964-66 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 907 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1425 psig (surface measurement) after 96 hours shut in
(If applicable due to multiple completion--)
Second producing formation Riley Pay zone depth 4557-88 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

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

Benson: Perforations : 4964-66 (12 holes)
Fracturing: 500 sks. 20/40 sand: foam frac.

Riley: Perforations: 4557-88 (13 holes)
Fracturing: 450 sks. 20/40 sand: 500 gal. acid: 483 Bbls. fluid.

BOTTOM HOLE PRESSURE P_{we} XGLS

$$t=60 + (0.0075 \times 5065) + 459.7 = 558 \quad X = \frac{1}{53.35 \times 558} = \frac{1}{29769} = 0.000034 \quad Pf=1425 \times 2.72$$

$$(0.000034)(0.688)(4762)(0.9) = 1425 \times 2.72^{0.1} = 1425 \times 1.1$$

$Pf=1568$ psi

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fr and salt water, coal, oil and
Soil			0	10	
Shale & sand			10	100	Damp @ 950'
Sand, shale & red rock			100	175	
Sand, red rock & shale			175	350	Wet @ 1520'
Sand & shale			350	715	Gas ck @ 2024 No show
Sandy shale & sand			715	955	
Sand & shale			955	1065	Gas ck @ 2117 90/10-1" w/water 71,454 cu.ft.
Sand, red rock & shale			1065	1345	
Sand & sandy shale			1345	1520	
Sand & shale			1520	1760	Gas ck @ 3648 20/10-1" w/water 33,679 cu.ft.
Sand & shale			1760	1885	
Little Lime			1885	1945	
Big Lime			1945	2020	Gas ck @ 4022 6/10-1" w/water 15,445 cu.ft.
Sand & shale			2020	2155	
Sand & sandy shale			2155	3215	
Sand & shale			3215	3415	Gas ck @ 4771 2/10-1" w/water 33,400 cu.ft.
Sand & shale			3415	4557	
Riley			4557	4588	
Sand & shale			4588	4964	Gas ck @ 5143 10/10-1" w/water 10,650 cu.ft.
Benson.			4964	4966	
Sand & shale			4966	5235	
Alexander			5235	5300	Gas ck @ 5268 6/10-2" w/water 15,445 cu.ft.
Sandy shale			5300	5547	
				T.D.	Gas ck @ drill collars 26/10-2" w/water 23,400 cu.ft.

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

By:

Date: 11/19/86

Robert Dahlin-Geologist

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
 sand, encountered in the drilling of a well."

RECEIVED
JUL 22 1986



1) Date: February 17, 1986
2) Operator's Well No. J-1265
3) API Well No. 47 095-1148
State County 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: 1102' Watershed: Short Run
District: Centerville 427 County: Tyler Quadrangle: West Union 7.5'
- 6) WELL OPERATOR J&J Enterprises, INC CODE: 24150 7) DESIGNATED AGENT Richard M. Reddecliff
Address P.O. Box 48 Address P.O. Box 48'
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther
Address General Delivery
Middlebourne, WV 26149
- 9) DRILLING CONTRACTOR: Name S.W. Jack Drilling Co.
Address P.O. Box 48
Buckhannon, WV 26201
- 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, Alexander 439
- 12) Estimated depth of completed well, 5600' feet
- 13) Approximate strata depths: Fresh, 120' feet; salt, N/A feet.
- 14) Approximate coal seam depths: N/A 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	H-40	42	X		30'	0'	0 Sacks	Kinds
Fresh water	8 5/8	ERW	23	X		1202'	1202'	To Surface	<i>by Rule 15.05</i>
Coal	8 5/8	ERW	23	X		1202'	1202'	To Surface	<i>by Rule 15.05</i>
Intermediate									
Production	4 1/2	J-55	10.5	X		5600'	5550'	500 Sacks	Depths set
Tubing								or as required	<i>by rule 15-01.</i>
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1148 Date July 22 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 July 22, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AS</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>2139</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.

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

John H. Johnston
Director, Division of Oil and Gas

Margaret J. Dade
File