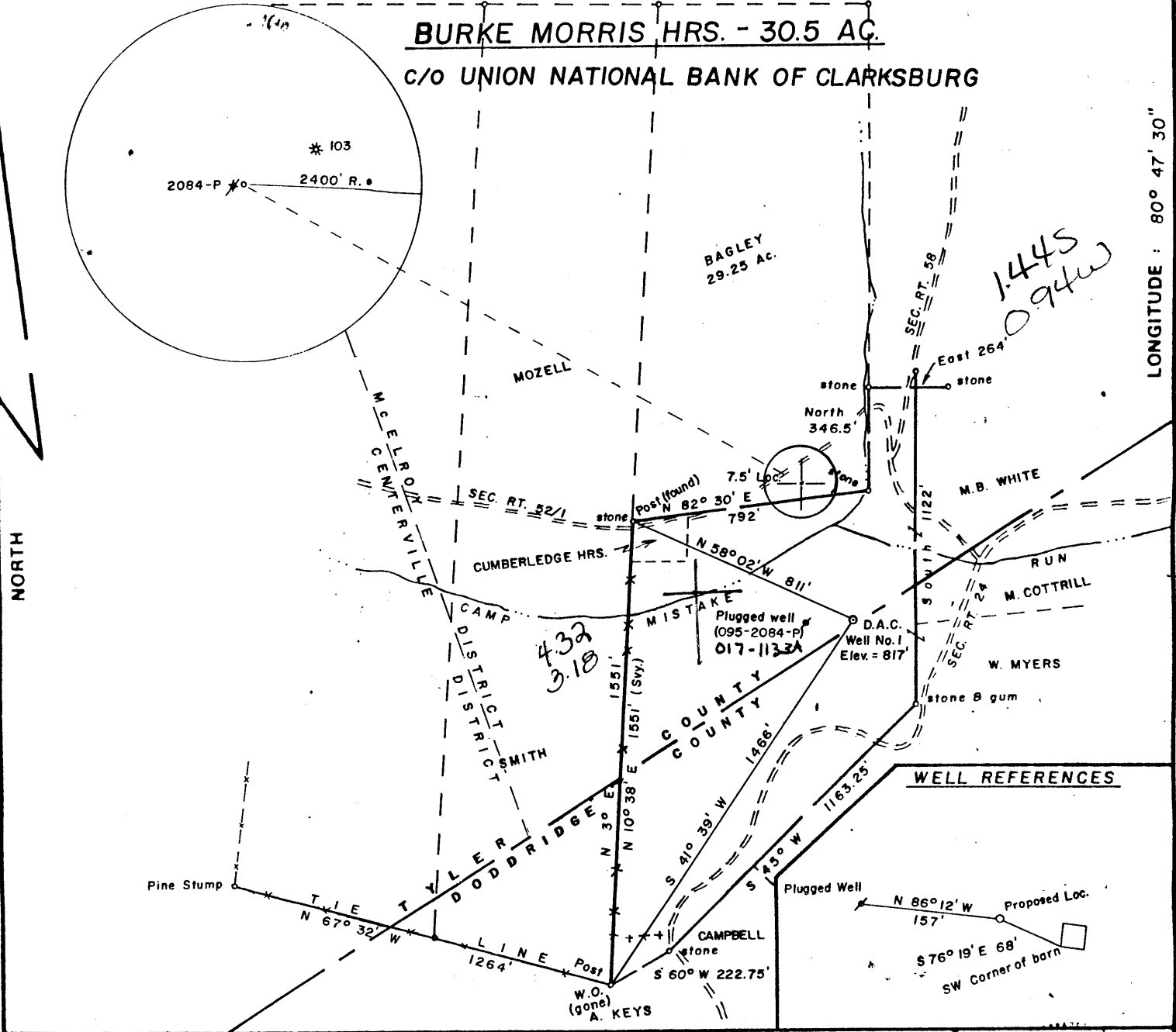
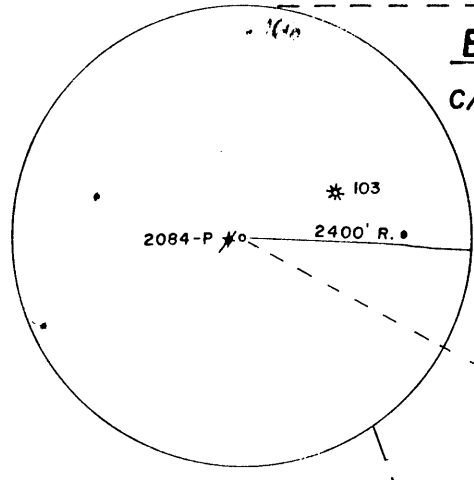


BURKE MORRIS HRS. - 30.5 AC.
C/O UNION NATIONAL BANK OF CLARKSBURG

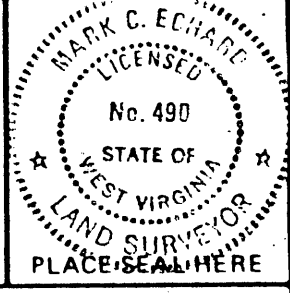


1.445
0.94w

4.32
3.18

FILE NO. _____
DRAWING NO. _____
SCALE 1 inch = 500 feet
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION Spot Elev. at Road
Elev. = 834'

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.
Mark C. Echard
(SIGNED) MARK C. ECHARD
R.P.E. _____ L.L.S. 490



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



DATE AUGUST 11, 1987
OPERATOR'S WELL NO. ONE
API WELL NO. 47-095-1220
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 817' WATER SHED CAMP MISTAKE RUN
DISTRICT McELROY COUNTY TYLER
QUADRANGLE WEST UNION 75 671 133 EC6
SURFACE OWNER WILLIAM G. & JUDITH A. BAGLEY ACREAGE 30.5
OIL & GAS ROYALTY OWNER BURKE MORRIS HEIRS LEASE ACREAGE 30.5
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 BENSON-RILEY ESTIMATED DEPTH 5300'
WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99
ALMA, WV. 26320 ALMA, WV. 26320

DEC 7 1987



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FEB 04 1988

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date 1-12-88
Operator's Well No. #1
Farm Morris
API No. 47 - 095 - 1220

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY
WELL OPERATOR'S REPORT OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / GasXX / Liquid Injection / Waste Disposal /
(If "Gas," ProductionXX / Underground Storage / Deep / ShallowXX /)

LOCATION: Elevation: 817 Watershed Camp Mistake Run
District: McElroy County Tyler Quadrangle West Union

COMPANY DAC
ADDRESS P. O. Box 99, Alma, WV 26320-0099
DESIGNATED AGENT Kenny Mason
ADDRESS P.O. Box 99, Alma WV
SURFACE OWNER Bill Bagley
ADDRESS Wilbur, WV
MINERAL RIGHTS OWNER Morris Heirs
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Bob
Lowther ADDRESS Middlebourne WV
PERMIT ISSUED 12-2-87
DRILLING COMMENCED 12-28-87
DRILLING COMPLETED 1-3-88

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	944	932	205 ska
7			
5 1/2			
4 1/2	4916	4894	1500' fill up
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Benson Depth 4760 feet
Depth of completed well 4916 feet RotaryXX / Cable Tools
Water strata depth: Fresh 120 feet; Salt 0 feet
Coal seam depths: Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4760-68 feet
Gas: Initial open flow 120 Mcf/d Oil: Initial open flow 0 Bbl/d
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 measurement); after hours shut in
(If applicable due to multiple completion--)
Second producing formation Riley Pay zone depth 4338-42 feet
Gas: Initial open flow as above Mcf/d Oil: Initial open flow 0 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.

Perforate Benson from 4768-4772 with 14 holes frac with 450 sks 20/40
75 quality foam Avg rate 20 bbls Avg psi 3399#

Perforate riley from 4339-4358 with 12 holes frac with 135 sks 20/40
70 quality foam avg rate 16 bbls avg psi 3114#

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DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Dirt			0	10	✓ E Log Tops
sd/sh			10	1710	
lime			1710	1790	Big Lime 1708
sd			1790	1890	Berea 2255
sh			1890	2050	Gordon 2469
sd			2050	2150	<u>Benson</u> 4760
sh			2150	TD	
TD				4916	

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FEB 04 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

D.A.C. Inc.
Well Operator
By: Renett Pham
Date: 1/18/88

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
minerals, encountered in the drilling of a well."
85/3

(Obverse)

7/85

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DEC 02 1987



1) Date: Nov. 19, 1987

2) Operator's Well No. Tyler Energy Joint Venture-1

3) API Well No. 47-095-1220
State County Permit

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

DIVISION OF OIL & GAS
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: 817' Watershed: Camp Mistake Run 670
District: McElroy 5 County: Tyler 095 Quadrangle: West Union 7.5'
- 6) WELL OPERATOR D.A.C. CODE: 174425 7) DESIGNATED AGENT Kenneth Mason
Address PO Box 99 280 Address PO Box 99
Alma, WV 26320-0099 Alma, WV 26320-0099
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther Address Middlebourne, WV 26149
- 9) DRILLING CONTRACTOR: Name Hurt & Associates Address 1-77 Edens Fork Exit, POBox 388 Elkview, WV 25071
- 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, Benson/Riley 435
- 12) Estimated depth of completed well, 5300' feet
- 13) Approximate trata depths: Fresh, 27', 165' feet; salt, 1100', 1375' feet.
- 14) Approximate coal seam depths: None 25'-27' Is coal being mined in the area? Yes _____ / No /
- 15) CASING AND TUBING PROGRAM From 0001-103, 1009, 3575-5 TYLER 357, 366

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLUP 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'		Kinds
Fresh water									
Coal									
Intermediate	8 5/8	J-55	20	X		930'	930'	CTS Neat	Sizes 38CSR18-11.3
Production	4 1/2	J-55	10 1/2	X		4800'	4800'	CTS Neat	Depths set 38CSR18-11.1
Tubing									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1220 Date December 2 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 December 2, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

6458

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Relat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: 239 2510	WPDP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
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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.