

LATITUDE 38° 27' 30"
38° 30'

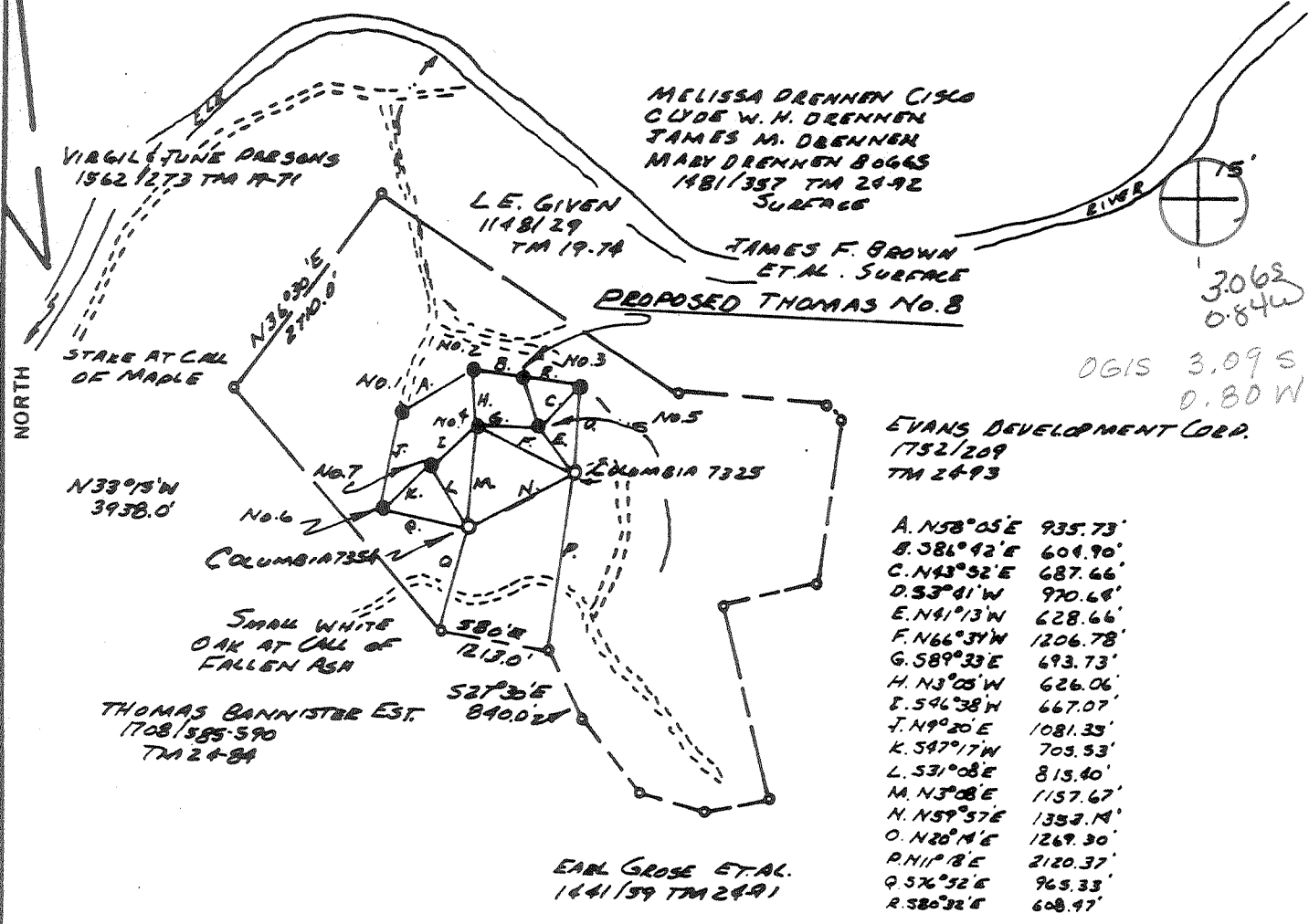
TOPO LOCATION 7 1/2'



0615 → 0.21 S
0.80 W

38 27 20
81 25 55

LONGITUDE 81° 25'

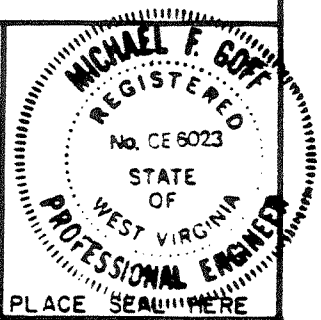


3.06 S
0.84 W
0615 3.09 S
0.80 W

EVANS DEVELOPMENT CORP.
1752/209
TM 2493

FILE NO. _____
DRAWING NO. _____
SCALE 1-2000
MINIMUM DEGREE OF ACCURACY 1-2000
PROVEN SOURCE OF ELEVATION THOMAS No 3 WELL

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) Michael F. Hoff
R. P.E. 6023 L.L.S. _____



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



Department of Mines
Oil & Gas Division

DATE 7/14, 19 81
OPERATOR'S WELL NO. THOMAS No 8
API WELL NO. _____
47 - 039 - 3764
STATE COUNTY PERMIT

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW
LOCATION: ELEVATION 818.00 WATER SHED ELK
DISTRICT ELK COUNTY KANAWHA
QUADRANGLE BLUE CREEK 7 1/2' Clendenin 15' NW
SURFACE OWNER DRENNEN ET AL ACREAGE 500+-
OIL & GAS ROYALTY OWNER JAMES F. BROWN ET AL LEASE ACREAGE 500+-
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 66 BLUE CK (FALLING ROCK)
TARGET FORMATION WEIR ESTIMATED DEPTH 1900
WELL OPERATOR ARBOR PETROLEUM CORP. DESIGNATED AGENT MIKE THOMAS
ADDRESS 422 N POST OAK LANE HOUSTON, TEXAS ADDRESS 177 PINCH RIDGE RD. ELKVIEW, W.VA.

AUG 17 1981

217

RECEIVED



IV-35 (Rev 8-81) JUN - 7 1982

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date 5/19/82 Operator's Well No Thomas #8 Farm Brown API No. 47-039 - 3764

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 793 Watershed Elk River District: Elk County Kanawha Quadrangle Blue Creek 7.5

COMPANY Arbor Petroleum Corp. ADDRESS 422 N. Post Oak Ln, Houston, TX DESIGNATED AGENT Mike Thomas ADDRESS Pinch Ridge SURFACE OWNER Drennan heirs ADDRESS Blue Creek MINERAL RIGHTS OWNER Brown heirs ADDRESS Charleston, WV OIL AND GAS INSPECTOR FOR THIS WORK Martin Nichols ADDRESS Bx, 544, Clendenin, WV PERMIT ISSUED DRILLING COMMENCED 8/10/81 DRILLING COMPLETED 8/15/81

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Squaw Depth 1788 feet Depth of completed well 1887 feet Rotary X / Cable Tools Water strata depth: Fresh 85 feet; Salt 1150 feet Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Squaw Pay zone depth 1788 feet Gas: Initial open flow 5 Mcf/d Oil: Initial open flow 6 Bbl/d Final open flow 5 Mcf/d Final open flow 3 Bbl/d Time of open flow between initial and final tests 24 hours Static rock pressure 47# psig (surface measurement) after 60 hours shut in (If applicable due to multiple completion--)

Second producing formation N/A 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

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

Perforated from 1790' to 1810'.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
red rock			0	60	
blue rock			60	85	
sand			85	200	
red rock			200	245	
white rock			245	400	
sand			400	560	
slate			560	570	
lime			570	583	
sand			583	630	
slate shell			630	670	
sand			670	880	
slate shell			880	1105	
sand			1105	1130	
slate shell			1130	1365	
slate			1365	1369	
red rock			1394	1440	
maxon			1440	1465	
slate			1465	1475	
lime			1475	1525	
pencil cave			1525	1530	
big lime			1530	1672	
big injun			1672	1710	
slate shell			1710	1790	
squaw sand			1790	1810	

(Attach separate sheets as necessary)

Arbor Petroleum Corp.
Well Operator

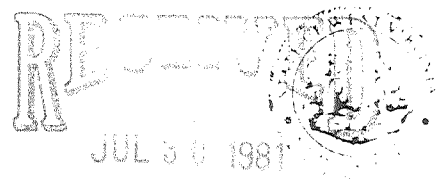
By: Dave Benson

Date: 5/19/82

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."

FORM IV-2
(Over)
(Rev. 1-1-81)



Well No. Thomas # 8
Farm Drennen / Brown
API # 17 - 039 - 3764
Date _____

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas _____
(If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)

LOCATION: Elevation: _____ Watershed: Elk River
District: Elk County: Kanawha Quadrangle: Blue Creek 7 1/2

WELL OPERATOR Arbor Petroleum Corporation
Address 422 North Post Oak Lane
Houston, Texas 77024

DESIGNATED AGENT Mike Thomas
Address 177 Pinch Ridge
Elkview

OIL AND GAS ROYALTY OWNER Brown Etal
Address _____

COAL OPERATOR None
Address _____

Acreage 500 +

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME None
Address _____

SURFACE OWNER Drennen Etal
Address _____

NAME _____
Address _____

Acreage 500 +

FIELD SALE (IF MADE) TO:
NAME _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
NAME None
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Martin Nichols
Address P.O. Box 544
Clendenin, W. Va
Telephone 548-6993

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease ✓ / other contract _____ / dated MARCH, 1981, with the undersigned well operator from Mike Thomas.

(If a deed, lease, or other contract has been recorded:)

Recorded on March 7, 1905, in the office of the Clerk of County Commission of Kanawha County, West Virginia, in 14 Book at page 22. A permit is hereby granted as follows:

PROPOSED WORK: Drill ✓ / Drill Deeper _____ / Redrill _____ / Fracture or stimulate _____ / Plug off old formation _____ / Perforate new formation _____ / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any change they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. of Mines of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

Arbor Petroleum Corporation
Well Operator

WEST VIRGINIA OIL AND GAS COMMISSION
101 WASHINGTON ST., E.
CHARLESTON, W.V. 25311
Phone - 304/348-3092

BLANKET BOND

By: Paul Cross
Its: SUPERVISOR

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) PAU EASTERN

Address MARIETTA, OH

GEOLOGICAL TARGET FORMATION SQUAW
Estimated depth of completed well 1850 feet. Rotary / Cable tools /
Approximate water strata depths: Fresh, 200 feet; salt, feet.
Approximate coal seam depths: 275'
Is coal being mined in this area: Yes / No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drilling	Left in Well		
Conductor	<u>8 5/8</u>	<u>20.5</u>		<input checked="" type="checkbox"/>		<u>400'</u>	<u>400'</u>	<u>125 SKS</u>	Kinds
Fresh water									
Coal									Sizes
Intermed.									
Production Tubing	<u>4 1/2</u>	<u>10.5</u>		<input checked="" type="checkbox"/>		<u>1850'</u>	<u>1850'</u>	<u>125 SKS</u>	Depths set
Liners								<u>or into salt sand</u>	Perforations: Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by _____.

J. H. Hargreaves
Deputy Director - Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: _____, 19____.

By: _____

Its: _____