

CODE

CARD

PLOT

10500'

LATITUDE 40°-35'-00"

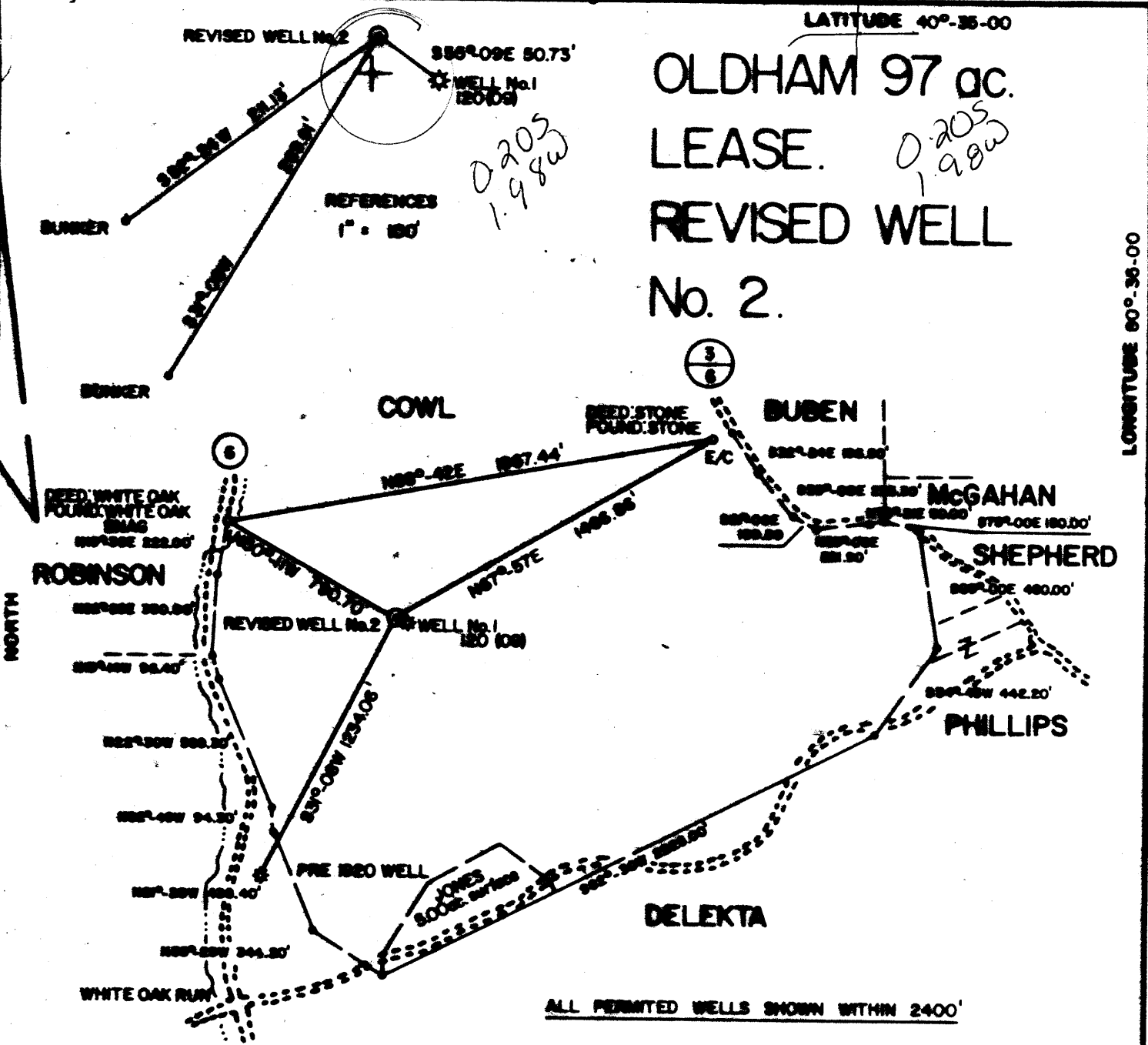
OLDHAM 97 ac. LEASE. REVISED WELL No. 2.

0.205
1.980

REFERENCES
1" = 100'

NORTH

LONGITUDE 80°-36'-00"



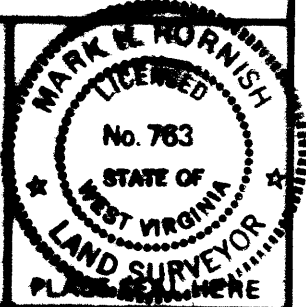
ALL PRINTED WELLS SHOWN WITHIN 2400'

SURVEYED BY Mark H. Hornish

UNDER SUPERVISION OF M. H. HORNISH

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/800
 PROVEN SOURCE OF ELEVATION INTER. of S.L. Pt. 2 and WHEELFORD PARK ENTRANCE, S.L. BY-790

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) Mark H. Hornish 1/08/86
 R.P.E. _____ L.L.S. 788



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



DATE JAN 08, 19 86
 OPERATOR'S WELL NO. EDMNH04402
 API WELL NO. _____
47-029-0123
 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 1000' WATER SHED WHEELFORD
 DISTRICT GRANT 2 COUNTY MORGAN
 QUADRANGLE EAST LAMBERT 74 330 B1 SCg wellsville
 SURFACE OWNER B.A. & FLORENCE J. BLUM ACREAGE 85.82
 OIL & GAS ROYALTY OWNER B.A. & F.L. BLUM LEASE ACREAGE 87.00
 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 BEREA ESTIMATED DEPTH 2000'
 WELL OPERATOR EASTERN AMERICAN ENERGY DESIGNATED AGENT Mr. DONALD SUPCOE
 ADDRESS P.O. BOX "N", GLENVILLE, W. Va. ADDRESS P.O. BOX "N", GLENVILLE, W. Va.

JAN 21 1986

646 6000 (002)

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: Oldham

Operator Well No.: #2

LOCATION: Elevation: 1004'

Quadrangle: East Liverpool South 7.5'

District: Grant

County: Hancock

Latitude: 1070 Feet South of 40

Des. 35 Min. 00 Sec.

Longitude: 10,500 Feet West of 80

Des. 35 Min 00 Sec.

Company: EASTERN AMERICAN ENERGY CORP.
P. O. BOX N
GLENNVILLE, WV

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
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Agent: DONALD C. SUPCOE

Inspector: Robert Lowther

Permit Issued: 01/06/86

Well work Commenced: 01/06/86

Well work Completed: 01/24/86

Verbal Plussins

Permission granted on:

Rotary Cable Ris

Total Depth (feet) 1014

Fresh water depths (ft) 250

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N

Coal Depths (ft): None

Size			
8 5/8"	167'	167'	C.T.S.
4 1/2"	1051'	1051'	125



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Berea Pay zone depth (ft) 949'-908'
 Gas: Initial open flow 189 MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 94 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 15 Hours
 Static rock Pressure 360 psia (surface pressure) after 24 Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ 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 _____ psia (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.

Eastern American Energy Corp
For: EASTERN AMERICAN ENERGY CORP.

By: John M. Pallett
Date: 3/27/1989

MAR 31 1989

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

1 Stage Foam Frac, 10 holes (949'-908') Breakdown 2375 psi, 75 quality foam, 30,000 # 20/40 sand, 306, 200 N2

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill			0	5	
Shale & Sand			5	50	
Shale			50	110	
Sand & Shale			110	906	1 1/2" stream water @ 250'
Berea			906	958	
Sand & Shale			958	1014	
				1014 T.D.	

RECEIVED

MAR 29 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

MAR 31 1989

1922

7/85



1) Date: January 2, 1986

2) Operator's Well No. Oldham #2

3) API Well No. 47 - 029 - 0123
State County Permit

RECEIVED
JAN 6 1986

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1004 Watershed: White Oak Run
District: Grant 259 County: Hancock Quadrangle: East Liverpool South 7.5
- 6) WELL OPERATOR Eastern American CODE: 14980 7) DESIGNATED AGENT Donald C. Supcoe
Address Energy Corp., P.O. Box N Address P.O. Box N,
Glenville, WV 26351 Glenville, WV
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther / Dan Ellis 9) DRILLING CONTRACTOR:
Address General Delivery / 534-5396 Name Unknown
Middlebourne, WV 26149 Address _____
- 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, ~~Lockport Dolomite~~ Berea 395
- 12) Estimated depth of completed well, 1000-1000-2600 feet
- 13) Approximate strata depths: Fresh, 95 feet; salt, unknown feet.
- 14) Approximate coal seam depths: unknown 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									Kinds
Fresh water	8 5/8	CW	20	X		150	150	To surface	By rule 15.05
Coal									Size
Intermediate									
Production	4 1/2	J-55	10.5	X		1000 1000	2000 1000	To cover salt bands	OR AS
Tubing	1 3/8	H-40	2.7	X					Required by Rule
Lin...									Perforations: 15.01
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-029-0123

January 6 19 86
Date

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 January 6, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AB</u>	Plat: <u>MS</u>	Casing: <u>MS</u>	Fee: <u>153m</u>	WPCP: <u>MS</u>	S&E: <u>MS</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.

Donald W. Johnston by Margaret J. Hass
Director, Division of Oil and Gas File

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