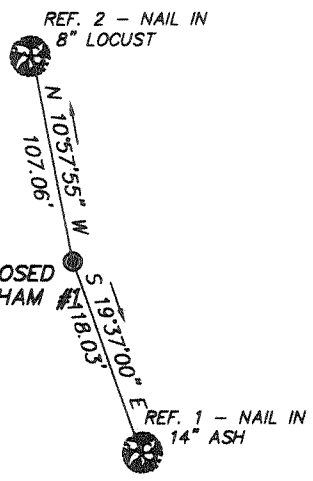


REFERENCES N.T.S.



NOTE: NO POSSIBLE WATER SOURCES LOCATED WITHIN 1000' OF PROPOSED LOCATION:

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

FILE No 8723-559
 DRAWING No. BRAHAM 1-F
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION SPOT ELEV. AT ROAD INTERSECTION EL. = 620

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) William J Whitman R.P.S.
 R.P.E. _____ R.P.S. 646



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 NITRO, WV

DATE MARCH 31, 19 97
 OPERATOR'S WELL No. BRAHAM 1-F
 API WELL No. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ STATE 47 COUNTY 107 PERMIT 01585
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___

LOCATION: ELEVATION 859.49 WATER SHED JERRY'S RUN OF POND CREEK
 DISTRICT STEELE COUNTY WOOD
 QUADRANGLE POND CREEK, W. VA.

SURFACE OWNER RAY LIFE ACREAGE 48.5
 OIL & GAS ROYALTY OWNER C.O.G.C. LEASE ACREAGE 48.5
 LEASE No. 47-8761

PROPOSED WORK: DRILL X 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 _____ ESTIMATED DEPTH _____

WELL OPERATOR CABOT OIL & GAS CORP. DESIGNATED AGENT JOHN ABSHIRE
 ADDRESS P.O. BOX 1473 ADDRESS P.O. BOX 1473
CHARLESTON, W. VA. CHARLESTON, W. VA.

MAY 30 1997

DEEP WELL

6-6 256

FORM IV-6 (8-78)

DEC 08 1997

Permitting
Office of Oil & Gas

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Well name: Life, Ray Operator Well No.: Braham #1-F

LOCATION: Elevation: 859.49 Quadrangle: Pond Creek
District: Steele County: Wood
Latitude: 6,100 Feet South of 39 Deg. 5 Min. 0 Sec.
Longitude: 7,300 Feet West of 81 Deg. 37 Min. 30 Sec.

Company: Cabot Oil & Gas Corporation
400 Fairway Drive: Suite 400
Coraopolis, PA 15108-4308

Agent: John Abshire
Inspector: Glen Robinson
Permit Issued: 5/20/97
Well Work Commenced: 7/23/97
Well Work Completed: 8/13/97
Verbal Plugging
Permission granted on:
Rotary Cable _____ Rig _____
Total Depth (feet) 4908'
Fresh Water Depths (ft) 60', 460'
Salt Water Depths (ft) --

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up Cu. Ft.
16"	21'	21'	
9-5/8"	708'	708'	30 sks Class "A"
7"	1975'	1975'	375 sks Class "A"
2-7/8"	4839'	4839'	60 sks RFC

Coal being mined in area (Y / N)? _____
Coal Depths (ft) _____

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 4730' - 4750'
Initial open flow 49 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 260 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock pressure 1210 psig (surface pressure after 14 Hours

Second producing formation _____ Pay zone depth (ft) _____
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 _____ psig (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.

For: CABOT OIL & GAS CORPORATION

By: Ray Rudnick, Jr.
Date: 12-4-97

DEC 12 1997

OPEN FLOW DATA

Perf'd Oriskany @ 4730'-4750'. Brokedown with 250 gals HCl acid. Breakdown pressure 2220 psi. . Displaced with 1.5 bbls fluid @ 1.5 bpm. ISIP: 2530 psi. Performed water frac with 30,000# 20/40 mesh sand. ATP: 4250 psi. MTP: 4530 psi. AIR: 15 bpm. ISIP: 3275 psi.

FORMATION	TOP	BOTTOM	REMARKS
Silt/Shale	0	411	
Sand/Silt	411	650	
Sand/Shale	650	935	
Silt/Shale	935	1195	
Sand/Shale	1195	1733	
Big Lime	1733	1838	
Shale/Sand	1838	2262	
Sunbury Shale	2262	2295	
Berea Marker	2295	2297	
Shale	2297	3778	
Huron Shale	3778	4011	
Shale	4011	4375	
Marcellus Shale	4375	4650	
Onondaga	450	4731	
Oriskany	4731	4758	
Helderberg	4758	4908 - TD	

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Cabot Oil & Gas Corporation 8145 (C) JCB
- 2) Operator's Well Number: Braham #1-F 149 3) Elevation: 859.49
- 4) Well Type: a) Oil / or Gas X / *Issued 05/30/97*
Expires 05/30/99
- b) If Gas: Production X / Underground Storage /
 Deep X / Shallow /
- 5) Proposed Target Formation(s): Oriskany 475
- 6) Proposed Total Depth: 4875 feet
- 7) Approximate fresh water strata depths: 390', 610'
- 8) Approximate salt water depths: 1008', 1190', 1434', 1655', 1812'
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Drill and complete a gas well.
- 12) Based on Jackson 978, 992, 994

RECEIVED
 Division of Environmental Protection
 MAY 14 1997
 Office of Oil & Gas Permitting

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For Drilling	Left in Well	Fill-up (cu. ft.)
Conductor	16"	L.S.	65#	30'	30'	10 sks (GFS)
Fresh Water	9-5/8"	L.S.	32#	650'	650'	230 sks (CTS)
Coal						
Intermediate	7"	J-55	20#	1950'	1950'	290 sks (CTS)
Production	4-1/2"	N-80	11.6#	4825'	4825'	50 sks
Tubing						
Liners						

PACKERS: Kind
 Sizes
 Depths set

For Office of Oil and Gas Use Only

- Fee(s) paid: Well Work Permit Reclamation Fund WPCP
- Plat WW-9 WW-2B Bond Agent
- (Type)

23601

1900002461
 13

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name Ray Life Name Not Operated
 Address 3550 Big Pond Creek Address _____
Murrayville, WV 26153
- (b) Name _____ (b) Coal Owner(s) with Declaration
 Address _____ Name Ray Life
 Address 3550 Big Pond Creek
Murrayville, WV 26153
- (c) Name _____ Name _____
 Address _____ Address _____
- 6) Inspector Glen Robinson (c) Coal Lessee with Declaration
 Address P.O. Box 1 Name _____
Belleville, WV 26133 Address _____
 Telephone (304)- 543-0735

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
X Certified Mail (Postmarked postal receipt attached)
 _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Cabot Oil & Gas Corporation
By: John W. [Signature]
Its: Geologist
Address 400 Fairway Drive Suite 400
Coraopolis, PA 15108
Telephone (412) 299-7000

Subscribed and sworn before me this 12th day of MAY, 19 97

Susan K. Hayden Notary Public
My commission expires APRIL 30, 2001

Notarial Seal
Susan K. Hayden, Notary Public
Moon Twp., Allegheny County
My Commission Expires April 30, 2001
Member, Pennsylvania Association of Notaries

STATE OF WEST VIRGINIA
OIL AND GAS CONSERVATION COMMISSION
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

May 21, 1997

Division of Environmental Protection
Office of Oil and Gas
Nitro, West Virginia

Re: Application for Permit #47-107-01585 drill deep well.

COMPANY: Cabot Oil and Gas Corporation

FARM: Ray Life/Braham 1-F

COUNTY: Wood DISTRICT: Steele QUAD: Pond Creek

The application of the above company is Approved for Oriskany.
(Approved or Disapproved)

Applicant has complied with the provisions of Chapter twenty-two, eight (22-8), of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

- 1.) Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owner; **yes**
- 2.) Provided a tabulation of all deep wells within one mile of the proposed location, including the Api number of the deep well, well name, and the name and address of operator and; ***yes**
- 3.) Provided a plat showing that the proposed location is a distance of **465** feet from the nearest unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Brett Loflin (cc)
Brett Loflin
Engineer

- * 3,300 feet to 47-107-01186
- 3,800 feet to 47-107-01584
- 3,400 feet to 47-107-00425