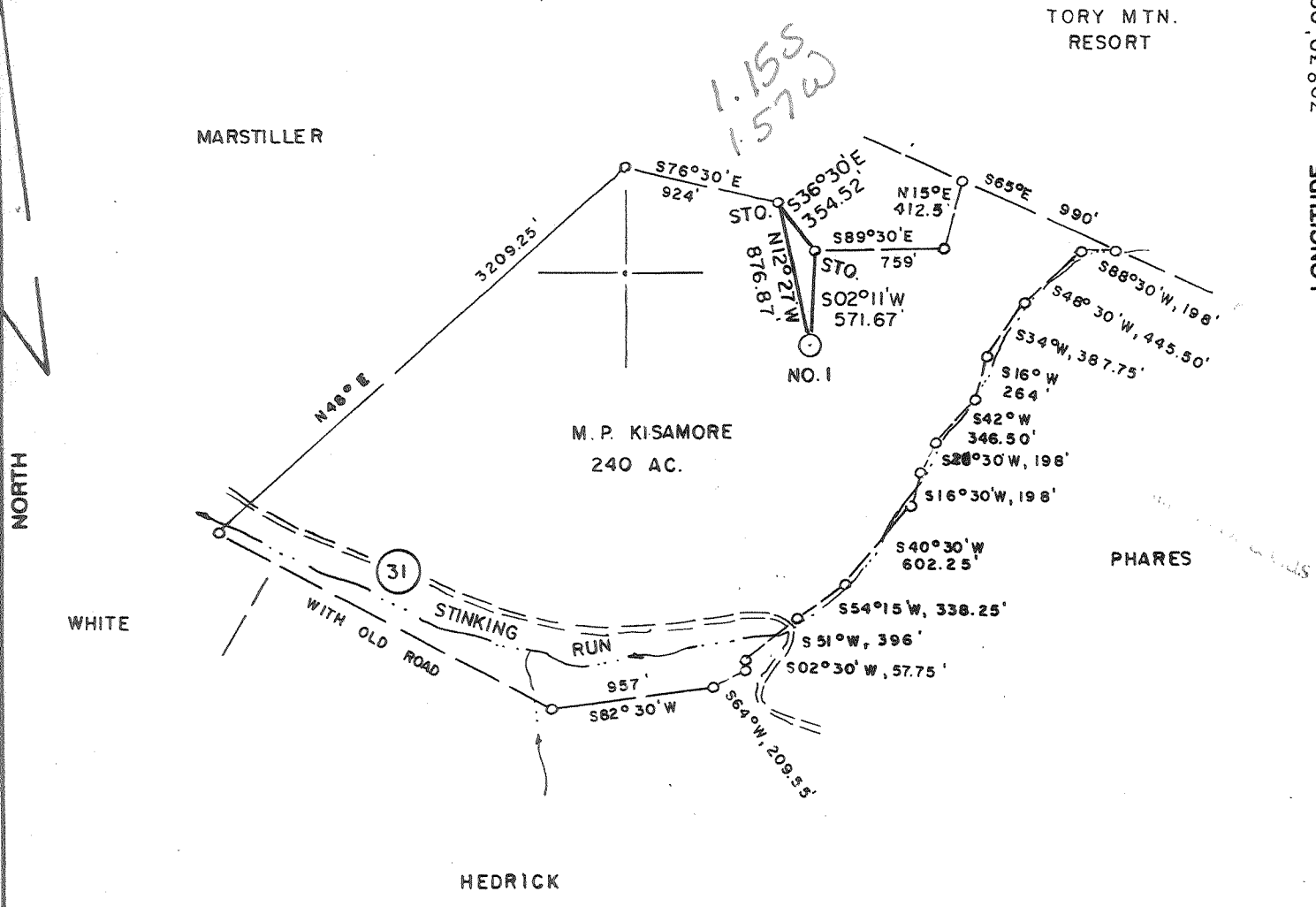


WELL REFERENCES:
N58°E, 228.50' TO 16" LOCUST
N25°E, 120.50' TO 15" R. OAK

0119
"00'03.062
LONGITUDE



NOTE: NO EXISTING GAS
WELLS WITHIN 3,000 FEET.

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1,000'
MINIMUM DEGREE OF
ACCURACY 1 in 200
PROVEN SOURCE OF
ELEVATION RD. INTER. 3750' S.W.
OF LOCATION ELEV. - 2859'

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENERGY.
(SIGNED) _____
R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH

PLACE SEAL HERE

WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506



DATE MARCH 18, 1997
OPERATOR'S WELL NO. KISAMORE NO. 1
API WELL NO.

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP SHALLOW ___
LOCATION: ELEVATION 3623.54' WATERSHED STINKING RUN
DISTRICT DRY FORK COUNTY RANDOLPH
QUADRANGLE WHITMER 7.5 min.

SURFACE OWNER MASON P. KISAMORE ACREAGE 240
OIL & GAS ROYALTY OWNER MASON P. KISAMORE LEASE ACREAGE 240
LEASE NO. 47-10334

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 ORISKANY ESTIMATED DEPTH 8500
WELL OPERATOR CABOT OIL & GAS CORP. DESIGNATED AGENT
ADDRESS RT. 3, BOX 583 ADDRESS RT. 3, BOX 583
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

JUN 16 1997

COUNTY NAME
PERMIT

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

23653

- 1) Well Operator: Cabot Oil & Gas Corporation
- 2) Operator's Well Number: Kisamore #1 3) Elevation: 3623.54
- 4) Well Type: a) Oil / or Gas X / *Issued 06/09/97*
 b) If Gas: Production X / Underground Storage / *Expires 06/09/99*
 Deep X / Shallow /
- 5) Proposed Target Formation(s): Oriskany 475
- 6) Proposed Total Depth: 8500 feet
- 7) Approximate fresh water strata depths: 1100'
- 8) Approximate salt water depths: N/A
- 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 Randolph 11

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For Drilling	Left in Well	Fill-up (cu. ft.)
Conductor	13-3/8"	L.S.	54.5#	80'	80'	80 sks (GFS)
Fresh Water						<i>380CSA 11.3</i>
Coal	9-5/8"	J-55	36#	1600'	1600'	530 sks (CTS)
Intermediate *Optional	*7"	J-55	20#	3000'	3000'	450 sks (CTS)
Production	4-1/2"	N-80	11.6#	8450'	8450'	200 sks
Tubing						<i>380CSA 11.1</i>
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 _____ (Type) Agent

1

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

May 27, 1997

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

Re: Application for Permit #47-083-01139 drill deep well.

COMPANY: Cabot Oil and Gas Corporation

FARM: Mason Kisamore #1

COUNTY: Randolph DISTRICT: Dry Fork QUAD: Whitmer

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

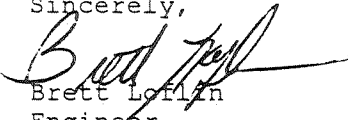
Applicant has complied with the provisions of Chapter twenty-two, eight (22-8), of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

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; **none**

3.) Provided a plat showing that the proposed location is a distance of **572** 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.

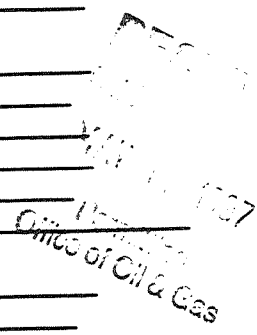
Sincerely,


Brett Loflan
Engineer

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 Mason P. Kisamore Name Not Operated
 Address HC 88 Box 18 Address _____
Seneca Rocks, WV 26884
 (b) Name _____ (b) Coal Owner(s) with Declaration
 Address _____ Name _____
 Address _____ Address _____
 (c) Name _____ Name _____
 Address _____ Address _____
- 6) Inspector Phillip Tracy (c) Coal Lessee with Declaration
 Address Route 2, Box 37-A Name _____
Montrose, WV 26283 Address _____
 Telephone (304)- 626-0787



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.

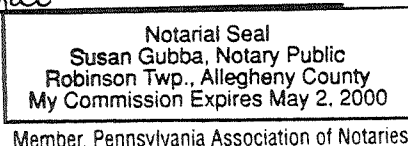
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

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

Subscribed and sworn before me this 29th day of APRIL, 1997

Susan Gubba Notary Public

My commission expires MAY 2, 2000



WR-35

Date: 27-Feb-98
API # 47-083-01139

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

Farm name: Kisamore, Mason P. Operator Well No.: Kisamore #1
LOCATION: Elevation: 3,623.54 Quadrangle: Whitmer
District: Dry Fork County: Randolph
Latitude: 6,110 Feet South of 38 Deg. 52 Min. 30 Sec.
Longitude: 8350 Feet West of 79 Deg. 30 Min. 0 Sec.

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

Agent: John Abshire
Inspector: Phillip Tracy
Permit Issued: 6/9/97
Well Work Commenced: 7/2/97
Well Work Completed: 8/16/97
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 8899'
Fresh Water Depths (ft) 470', 822'
Salt Water Depths (ft) _____
Is coal being mined in area (Y / N)? N
Coal Depths (ft) _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up Cu. Ft.
20"	20'	20'	10 sks Class "A"
9-5/8"	1624'	1624'	560 sks Class "A"
4-1/2"	8745'	8745'	220 sks Neat

OPEN FLOW DATA

Producing formation	<u>2nd Bench Oriskany</u>	Pay zone depth (ft)	<u>8622' - 8628'</u>
Gas: Initial open flow	<u>440</u> MCF/d	Oil: Initial open flow	<u>0</u> Bbl/d
Final open flow	<u>3,448 comm</u> MCF/d	Final open flow	<u>0</u> Bbl/d
Time of open flow between initial and final tests			<u>41</u> Hours
Static rock pressure	<u>2,510</u> psig (surface pressure after		<u>96</u> Hours
Second producing formation	<u>1st Bench Oriskany</u>	Pay zone depth (ft)	<u>8547' - 8552'</u>
Gas: Initial open flow	<u>440</u> MCF/d	Oil: Initial open flow	<u>0</u> Bbl/d
Final open flow	<u>3,448 comm</u> MCF/d	Final open flow	<u>0</u> Bbl/d
Time of open flow between initial and final tests			<u>41</u> Hours
Static rock pressure	<u>2,510</u> psig (surface pressure after		<u>96</u> 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: 7-20-98

RAN 1139

NOV 1 1998

OPEN FLOW DATA

Perf'd 2nd Bench Oriskany from 8622' - 8628'. Perform matrix acid through 2-3/8" tubing. Break down perfs with 250 gals of 15% HCl acid @ 2300 psi. ATP: 2450 psi. MTP: 2902 psi. ATR: 1.0 bpm. BHTP: 6431 psi. Treated with 764 bbls of matrix acid and 159,000 scf N₂. ATP: 4700 psi. MTP: 4802 psi. ATR: 13.2 bpm. ISIP: 2705 psi. Flow test prior to perforating 1st Bench Oriskany. 48 hr. SIBU. CP: 2650 psi. TP: 2675 psi. 582 mmcf/d.

Perf'd 1st Bench Oriskany from 8547' - 8552'. Commingled both sets of Oriskany perfs and treated with 30# XL fluid. Broke down with 500 gals 28% HCl acid and ballout with 30 each 1-1/4" diameter perf balls. ATP: 3070 psi. MTP: 3800 psi. ATR: 20.8 bpm. ISIP: 3200 psi.

FORMATION	TOP	BOTTOM	REMARKS
Fill	0	8	
Sand/Shale	8	900	
Sand	900	1300	
Sand/Shale	1300	1664	
Sand	1664	1900	
Sand/Shale	1900	2050	
Shale	2050	2124	
Sand/Shale	2124	4000	
Shale	4000	4111	
Shale	4111	4441	
Silt Stone/Shale	4441	5389	
Shale	5389	6945	
Shale	5945	7347	
Shale	7347	7850	
Marcellus	7850	8345	
Onondaga	8345	8422	
Chert	8422	8455	
Needmore	8455	8506	
Oriskany	8506	8595	
Oriskany	8595	8705	
Helderberg	8705	8899 - TD	