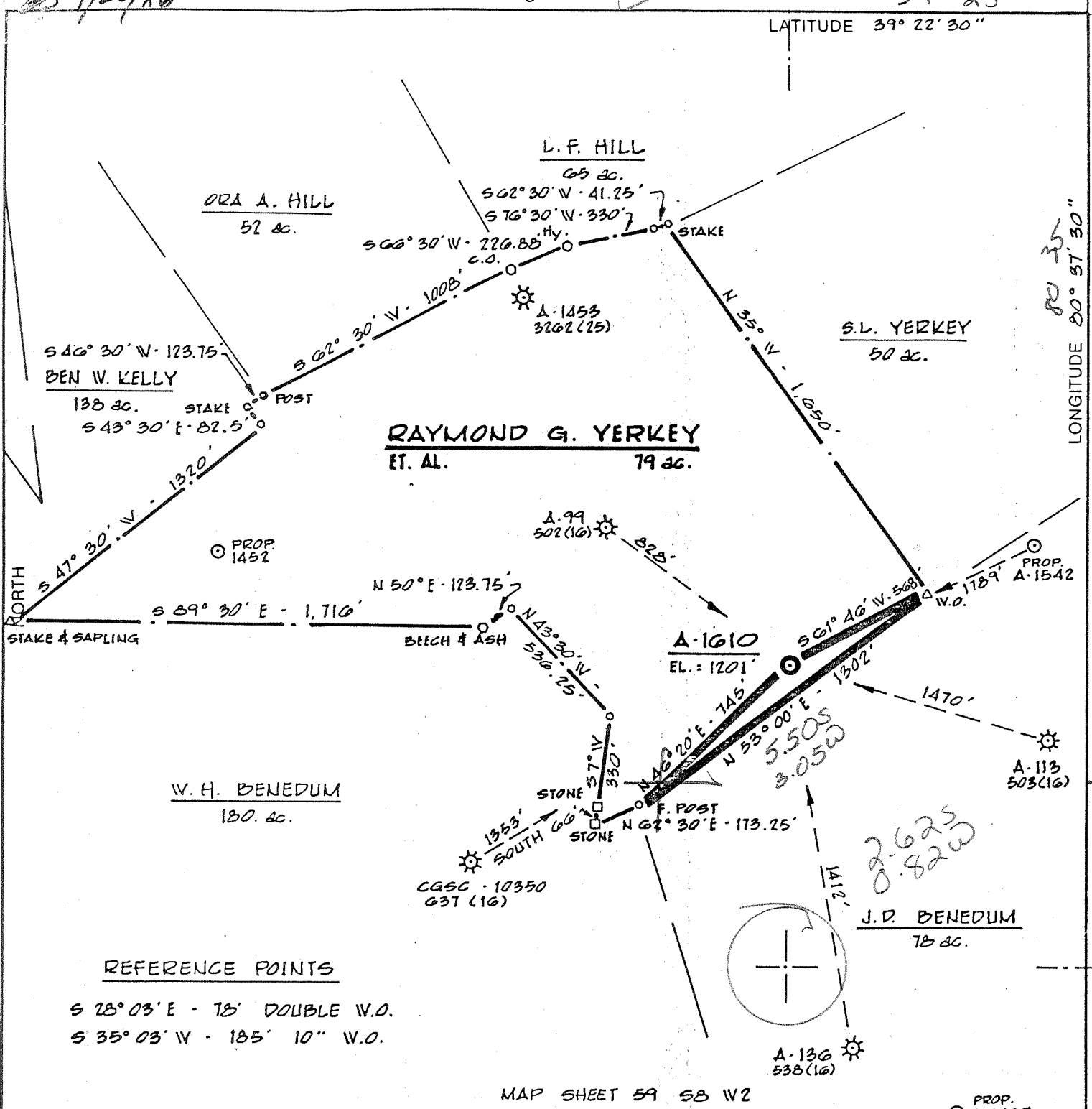


9/22/86

4,350' 017-03512

39 25

LATITUDE 39° 22' 30"



LONGITUDE 80° 57' 30"

13 909

FILE NO. R.M. / S.P.
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ALAMCO WELL A-99
API * 502 (16) EL. = 1120'

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) Cecil R. Main
 R.P.E. _____ L.L.S. 711

PROP. A-1487

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE September 15, 1986
 OPERATOR'S WELL NO. A-1010-REL
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1201 WATERSHED RIGHT HAND FORK EAST RUN
 DISTRICT GRANT COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5' 611 022 C5 Centerpoint
 SURFACE OWNER RAYMOND G. YERKEY, ET. AL. ACREAGE 79
 OIL & GAS ROYALTY OWNER RAYMOND G. YERKEY, ET. AL. LEASE ACREAGE 79
 LEASE NO. 287
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

017 DODD
COUNTY NAME

PERMIT

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5600'
 WELL OPERATOR ALAMCO DESIGNATED AGENT Marty L. Perri
 ADDRESS P.O. BOX 1740, CLARKSBURG, W.V. ADDRESS P.O. BOX 1740, CLARKSBURG, W.V.
6-6 26302-1740 Smithton, Flint-Sedalia (99) 26302-1740

OCT 14 1986

FORM IV-6 (8-78)
HT HALL

IV-35
(Rev 8-81)

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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

Date 12-16-86
Operator's _____
Well No. A- 1610
Farm Yerkey
API No. 47 - 017 - 3512

Was 3357

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: OIL ___ / GAS X / LIQUID INJECTION ___ / WASTE DISPOSAL ___ /
(If "Gas", Production ___ / Underground Storage ___ / Deep ___ / Shallow XX /)

LOCATION: Elevation: 1201 Watershed Righthand Fork of East Run
District: Grant County: Doddridge Quadrangle: Smithburg 7.5

COMPANY ALAMCO, INC
200 West Main Street
ADDRESS Clarksburg, West Virginia 26301

DESIGNATED AGENT ALAMCO, INC
200 West Main Street
ADDRESS Clarksburg, West Virginia 26301

SURFACE OWNER c/o John Yerkey
5707 Elm Grove St.
ADDRESS Warren, OH 48092

MINERAL RIGHTS OWNER Raymond G. Yerkey
ADDRESS Same as above

OIL AND GAS INSPECTOR FOR THIS WORK Region 7
322 - 70th St.
ADDRESS Charleston, WV 25304

PERMIT ISSUED October 7, 1986

DRILLING COMMENCED October 19, 1986

DRILLING COMPLETED October 24, 1986

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
20-16 Cond.			
11-3/4"			
9 5/8"			
8 5/8"	1426'	1426'	to surface
7"			
5 1/2"			
4 1/2"	5211'	5211'	3411'
3"			
2"			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander DEPTH 5600 FEET

Depth of completed well 5603 feet Rotary ___ / Cable Tools ___
Water Strata depth: Fresh 204' feet Salt ___ feet
Coal seam depth: 733'-738' Is coal being mined in this area? ___

OPEN FLOW DATA

Producing formation Pocono, Gordon, 5th, Riley, Benson pay zone depth See Back feet
Gas: Initial open flow 13 Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow 492 Mcf/d Final open flow ___ Bbl/d

Time of open flow between initial and final tests ___ hours
Static rock pressure 900 psig (surface measurement after 72 hours shut-in
(If applicable due to multiple completion--)

Second producing formation ___ Pay zone depth ___ feet
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 ___ psig (surface measurement) after ___ hours shut-in
(continue on reverse side)

FORM IV-35
(REVERSE)

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

Well was fractured 11-12-86
Perforations: Pocono - 2204'-2207'
Gordon - 2788'-2792'
5th - 3118'-3122'
Riley - 5022'-5027'
Benson - 5109'-5113'

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
			Including indication of all fresh and salt water, coal, oil and gas
	0	3	1 1/2" stream water @ 204'
Top soil	35	70	
Sand & Shale	70	79	
Sand	79	97	Gas checked @ 1956' - no show
Red Rock	97	120	Gas checked @ 2233' - no show
Sand & Shale	120	134	Gas checked @ 2823' - no show
Red Rock	134	144	Gas checked @ 3260' - no show
Sand	144	194	Gas checked @ 3819' - no show
Shale	194	228	Gas checked @ 4353' - no show
Sand & Shale	228	238	Gas checked @ 4510' - no show
Shale	238	325	Gas checked @ 5007' - no show
Sand & Shale	325	353	Gas checked @ 5227' - no show
Red Rock	353	415	Gas checked @ 5603' - 13 Mcf
Sand & Shale	415	430	
Sand	430	490	
Sand	490	543	<i>log tops?</i> Big Lime - 2028'
Red Rock & Shale	543	555	Pocono - 2185'
Shale	555	655	Gordon - 2786'
Sand	655	660	5th - 3117'
Sand & Shale	660	733	Riley - 4846'
Coal	733	738	Benson - 5108'
Sand & Shale	738	1175	
Sand & Shale	1175	1194	
Sand & Shale	1194	1411	
Sand & Shale	1411	1465	
Sand	1465	1476	
Shale & Sand	1476	1520	
Shale	1520	1575	
Sand & Shale	1575	1629	
Shale	1629	2000	
Sand & Shale	1629	2006	
Lime	2000	2035	
Sand & Shale	2006	2127	
Big Lime	2035		
Sand & Shale	2127-2166		
Big Injun	2166-2177		(Attach separate sheets as necessary)
Sand & Shale	2177-2600		
Shale	2600-2666		
Sand & Shale	2666-3140		
Sand	3140-3188		
Sand & Shale	3188-4039		
Sand & Shale	4039-4890		
Sand	4890-4922		
Sand & Shale	4922-5110		
Sand	5110-5130		
Sand & Shale	5130-5603		

ALAMCO, INC.

Well Operator

By:

Richard R. Hoffman
Richard R. Hoffman, Vice President of Production

Date:

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."



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STATE OF WEST VIRGINIA
DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
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: 1201 / Watershed: Righthand Fork of East Run
District: Grant 2103 / County: Doddridge / Quadrangle: Smithburg 7.5'
- 6) WELL OPERATOR: Alamco, Inc. CODE: 975 / 7) DESIGNATED AGENT: M. L. Perri
Address: P. O. Box 1740 / Address: P. O. Box 1740
Clarksburg, WV 26301 / Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Region 7
Name: Region 7 / Address: 322 - 70th Street / Charleston, WV 25304
- 9) DRILLING CONTRACTOR: Development Drilling Corporation
Name: Development Drilling Corporation / Address: P. O. Box 1740 / Clarksburg, WV 26301
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify): Alexander #39
- 11) GEOLOGICAL TARGET FORMATION: 5600 feet
- 12) Estimated depth of completed well: 84' feet
- 13) Approximate trata depths: Fresh, Unknown feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ 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	16					20'	20'	Cement to surface	
Fresh water									
Coal	8-5/8"		20#	X		800'	800'	CTS Req. by Rule 15.05	
Intermediate	4-1/2"		10.50#	X		5600'	5600'	Req. by Rule 15.01	
Production								OR 560 SKS	Depths set
Tubing									Perforations:
Lin...									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3512 Date October 7 19 86

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 October 7, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <i>AS</i>	Plat: <i>AS</i>	Casing: <i>AS</i>	Fee: 2648 145	WPCP: <i>AS</i>	S&F: <i>AS</i>	Other:
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NOTE: Keep one copy of this permit posted at the drilling location.

John H. Johnston
Director, Division of Oil and Gas
J. H. Johnston
File

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

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