

HOPE NATURAL GAS COMPANY

LOCATION FOR WELL No. *4307*

c 4
Instructions *0*

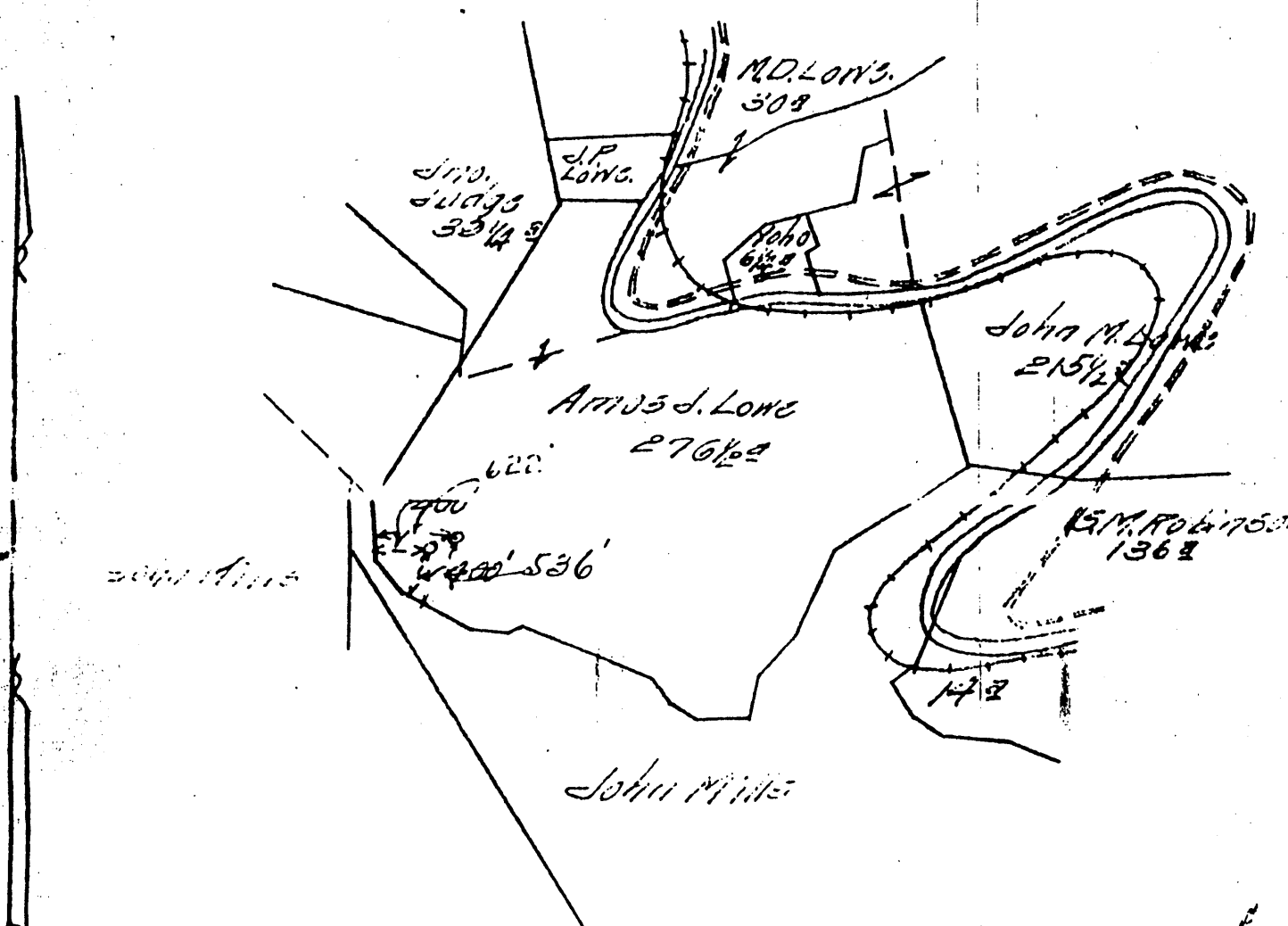
On *Step Ground* Farm, on waters of *John Mills*
District, *Putnam* County, West Virginia

Lease No. *311* Acres *21 5/8* N. *7* S. *7* E. *3* W. *3*

Scale one inch equals *600'* Location made in Pittsburgh *May 22 1916* Sent to Clarksburg *May 22 1916*

Location to be *400 feet* respectively from *John Mills* farm lines as per plat.

2717 G.R.S.



103-0698

TITLE *RESERVE* *Five hundred and fifty acres*

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE
Same Lease on which *4* Located Well No. *665*

Location made *6-1-16* by *S. H. Cunningham* As per plat, except as noted. On field map
6-6-16 Returned to Pittsburgh *6-6-16*

Location changed on account of *Step Ground*
Authorized by *J. Brown* Date *6-3-16* Signed *S. H. Bradley*

Record of *W. H. ...* Company
 Well No. *...*
 Located on *...*
 District *...* County *...* State *...*
 Location Made *6-1-16* First Work Done *6-9-16*
 Rig Commenced *7-21-16* Rig Completed *7-26-16*
 Drilling Commenced *9-22-16* Drilling Completed *11-10-16*
 Drilling Contractor *Hopkins & ...* Drilling Contractor *...*
 Drillers *...*
 Tool Dressers *...*



FORMATION	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
ve Coal	327	...	32				No water found in we
burg Coal	716				
le Dunkard	1222	...	"				
Dunkard	1277	...	"				
Sand	1453	1457	"				
Salt	1691	...	"				
ond Salt	1743	...	"				
son	1949	...	"				
le Lime	2023	...	"				
oil Cave	2034	...	"				
Lime	2135	...	"				
Injun	2227	...	"				
ow	2320	...	"				
va	2412	...	"				
atz	2505	...	"				
Foot	2607	...	"				
ity Foot	2702	...	"				
olon Stray	2802	...	82				
olon	2900	...	"				
arth	"				
th	"				
yard	"				
al Depth	81				

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103-0698

2159

*2873
2900*

Hole ... 2771'
...

SIZE	Charged to Well		Put in Well		Pulled Out		Left in Well		Transferred Before Completing		Left at Well Not in Use		If more than two strings of casing are left in hole, give reasons for leaving additional strings
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
13" Csg.													Steel Line Measurem
10" "	398	1	3	1	-	-					8 10		10" --- 308-6
8 1/2" "	1353	8	1316	2	-	-	1316	2	37	6	-	-	8 1/2" --- 1303-2
5-8" "					-	-					4		6 7/8" --- 2082-6
3-16" "					-	-							2" --- 2922-6
2 Tubg	2126	11	21	1	-	-	2747	6			5	5	

PACKER RECORD

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS
6 3/4"	1	1	13.13 2/10	2 Bottom joints (22' 2") perforated setting on bottom. 2" collar + 2" Plug on bottom of Tubing.

SHOOTING RECORD (If shot before or upon completion of well)

DATE	Quarts	Top of Shell	Bottom of Shell	Diameter	Sand	Test Before Shot			Test After Shot			Test Taken After Shot No. Hours	By Whom Shot	
						Reading	Liquid	Opening	Reading	Liquid	Opening			
					Not	Shot.							Well Book	Feb. 19, 1917 E. E. O.

CEMENTING RECORD

Date Cemented *Not cemented* Size Hole Cemented *...* Size Casing Cemented *...*
 Top Pittsburg Coal *...* Top Cementing *...* Amount Cement Used *...*
 Bottom Pittsburg Coal *...* Bottom Cementing *...* Amount Sand Used *...*
 Mr. *...* of *...* Coal Company on ground when coal was cemented
 Remarks: *...* Signature of persons who cemented well

Approved by *...* Foreman

PARTICIPANTS:

DATE:

APR 7 1980

BUYER-SELLER C

WELL OPERATOR: Consolidated Gas Supply Corp.

004228

FIRST PURCHASER: General System Purchasers

N/A

OTHERS:

Principal Section 108. Stopper well. [Signature]

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

790227-108-103-0698

Use Above File Number on all Communications
Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.:

- 1 FERC-121 Items not completed - Line No. _____
- 2 IV-1 - Agent J. W. Hendrickson
- 3 IV-2 - Well Permit
- 4 IV-5 - Well Plat
- 5 IV-35 - Well Record Drilling Deepening
- 6 IV-36 - Gas-Oil Test: Gas Only Was Oil Produced? Ratio _____
- 7 IV-39 - Annual Production 3 years
- 8 IV-40 - 90 day Production 90 Days off Line: _____
- 9 IV-48 - Application for Certification... Complete?
- 10 - 17 IV Form #51 - 52 - 53 - 54 - 55 - 56 - 57 - 58. Complete Affidavit Signed
- 18 - 28 Other: Survey Logs Geological Charts Structure Map
1:4000 Map Well Tabulations Gas Analyses
- (5) DATE COMMENCED 4-22-16
Date Completed: 11-16-16 Deepened
- (5) Production Depths: 2107-2294, 2872-2900
- (5) Production Formation: Big Injun; Gordon Stray
- (5) Final OPEN FLOW: 787 MCF } computer sheet
after R.P. fracture
- (5) R.P. fracture 136 #
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: $\frac{8124}{365} = 22.3 \text{ MCF}$
- (8) Avg. Daily Gas from 90-day ending w/1-120 days: $\frac{2358}{90} = 26.2 \text{ MCF}$
- (8) TB Line Pressure: 6" PSIG from Daily Report
- (5) Oil Production: yes From Completion Report: Show of oil
- 0-17 Does lease inventory indicate enhanced recovery being done? NO
- 0-17 Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? yes
- Additional Information _____ Does computer program confirm?
- Do Determination Objected to? _____ By Whom? _____