

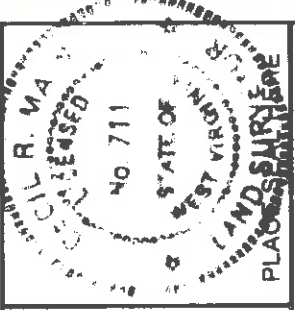
6.350'
LATITUDE 39° 22' 30"
39° 25' 15"

80° 35' 15"
80° 37' 30"
LONGITUDE 8.008'

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS MAP SHEET 59 S 7 W 2

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 PART IN 200
PROVEN SOURCE OF ELEVATION Alameda Well # A-1087
API 3084 ELEV. 1332'

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. Mann
R.P.E. _____ L.L.S. 711



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE JULY 7, 19 83
OPERATOR'S WELL NO. A-1401
API WELL NO. _____

47-017-3245

STATE COUNTY PERMIT

DATE SEP 12 1983

STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1215 WATERSHED EAST RUN
DISTRICT GRANT COUNTY DODDRIDGE

QUADRANGLE SMITHBURG 7.5 CENTER POINT 15.0 ACREAGE 45A.C.
SURFACE OWNER JOHN R. YANOSKI, ET AL.
OIL & GAS ROYALTY OWNER APPALACHIAN NATURAL RESOURCES, ET AL. LEASE ACREAGE 46 AC.

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
LEASE NO. 293

PLUG AND ABANDON CLEAN OUT AND REPLUG _____ ESTIMATED DEPTH 5,650'
TARGET FORMATION ALEXANDER
WELL OPERATOR Alameda DESIGNATED AGENT DANIEL L. WHEELER
ADDRESS P.O. Box 1740 ADDRESS P.O. Box 1740
CLARKSBURG, WEST VIRGINIA, 26302-1740 CLARKSBURG, WEST VIRGINIA 26302-1740

RECEIVED

MAR 6 - 1984



OIL & GAS DIVISION
DEPT. OF MINES

OIL and GAS DIVISION

Date February 28, 1984
Operator's
Well No. A-1401
Farm Hill
API No. 47 - 017 - 3245

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: 1215' Watershed 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 John R. Yanoski et al
Box 46, Hillsdale, Pa. 15746
ADDRESS

MINERAL RIGHTS OWNER John R. Yanoski et al
Box 46, Hillsdale, Pa. 15746
ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Stephen

Casey ADDRESS Rt. 2, Box 232-D, Jane Lew, WV

PERMIT ISSUED September 8, 1983

DRILLING COMMENCED January 2, 1984

DRILLING COMPLETED January 8, 1984

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.			
13-10"			
9 5/8"			
8 5/8"	1272'	1272'	to surface
7"			
5 1/2"			
4 1/2"	5563'	5563'	w/140 sks 4750'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander DEPTH 5650 FEET

Depth of completed well 5702 feet Rotary X Cable Tools _____ feet
Water Strata depth: Fresh 60 & 2005 feet Salt _____ feet
Coal seam depth: None listed Is coal being mined in this area? No

OPEN FLOW DATA

Producing formation Riley, Benson, Alexander Pay zone depth See back feet
Gas: Initial open flow 26 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 582 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1850 psig (surface measurement after 24 hours shut-in

(If applicable due to multiple completion--)

Second producing formation _____

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)

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

Well was fractured January 31, 1984
Perforations: 5102 - 5106 Riley

5187 - 5189
5238 - 5243 Benson

5460 - 5462
5470 - 5476 Alexander

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Fill	0	5	
Sand & Shale	5	380	1/2" stream water @ 60'
Red Rock & Shale	380	410	2" stream water @ 2005'
Sand & Shale	410	440	Gas check @ 2012' No show
Red Rock & Shale	440	496	Gas check @ 2259' 39 MCF/D
Sand & Shale	496	830	Gas check @ 2446' 47 MCF/D
Red Rock & Shale	830	1360	Gas check @ 2937' 33 MCF/D
Sand & Shale	1360	1455	Gas check @ 3309' 47 MCF/D
Red Rock & Shale	1455	1490	Gas check @ 5018' 94 MCF/D
Sand & Shale	1490	2055	Gas check @ 5702' 26 MCF/D
Little Lime	2055	2100	
Big Lime	2100	2140	
Big Injun	2140	2220	
Sand & Shale	2220	5702	Little Lime 2022'
			Big Lime 2064'
			Keener 2108'
			Big Injun 2150'
			Pocono 2235'
			Weir 2359'
			Berea 2627'
			Gordon Stray 2763'
			Gordon 2845'
			5th Sand 3072'
			Warren 3479'
			Speechley 3784'
			Balltown 4027'
			Bradford 4520'
			Riley 4941'
			Benson 5186'
			Alexander 5444'

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator

By: [Signature]
Vice President Oil & Gas Operations

Date: February 28, 1984

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."



1) Date: August 16, 19 83
 2) Operator's Well No. A-1401 (Hill)
 3) API Well No. 47 - 017 - 3245 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: A Oil XX Gas XX / Undergrnd storage East Run Deep Shallow XX
 B (If "Gas", Production 1215' /
 5) LOCATION: Elevation: 1215' /
 District: Grant /
 County: Doddrige /
 6) WELL OPERATOR ALAMCO /
 Address P.O. Box 1740 /
Clarksburg, WV 26301 /
 7) DESIGNATED AGENT Daniel L. Wheeler /
 Address P.O. Box 1740 /
Clarksburg, WV 26301 /
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Stephen Casey /
 Address Rt. 2, Box 232-D /
Jane Lew, WV 26378 /
 9) DRILLING CONTRACTOR:
 Name Development Drilling /
 Address P.O. Box 1740 /
Clarksburg, WV 26301 /

10) PROPOSED WELL WORK: Drill XX / deeper XX / Redrill XX / Stimulate XX
 Plug off old formation XX / Perforate new formation XX
 Other physical change in well (specify) NO CHANGE
 11) GEOLOGICAL TARGET FORMATION, ALAMCO /
 Estimated depth of completed well, 5650' feet
 12) Approximate trata depths: Fresh, 277,599 feet; salt, 518-520 feet.
 14) Approximate coal seam depths: 20-22 is coal being mined in the area? Yes XX

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16"			20'	20'	Cement to Surface
Fresh water						
Coal	8 5/8"	20#	X	700	700	Cement to Surface By <u>Blue</u>
Intermediate						
Production	4 1/2"	J.55	X	5650'	5650'	Req. by <u>RD</u> depths of 5.01
Tubing		10.50#				
Liners						

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3245

Date September 8, 19 83

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 September 8, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:
ANKET BOND	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>34435</u>

NOTE: Keep one copy of this permit posted at the drilling location.

Administrator, Office of Oil and Gas

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

File

