



8.800' LATITUDE 39° 12' 30" 39° 15'

LONGITUDE 80° 32' 30" 80° 30'

WELL REFERENCES A-142B
 N 44° 22' E 180' TO A 22" BIRCH
 N 67° 30' W 143' TO A 12" POPLAR

MAP SHEET 58 519-EZ

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

FILE NO. D.Y. / RK
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION ALAMCO WELL A-1271
 API 017-3135 ELEV. 1209'

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

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



PLACE SEAL HERE

DATE JULY 24 1984
 OPERATOR'S WELL NO. A-142B
 API WELL NO. _____ REVISED LOCATION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE DEEP _____ SHALLOW
 LOCATION: ELEVATION 1328' WATER SHED DRY FORK
 DISTRICT GREENBRIER 4 COUNTY DODDRIDGE STATE WEST VIRGINIA COUNTY PERMIT
 SURFACE OWNER DAVID KENT MOSS QUADRANGLE BIG ISAAC 7.5' 2.52 Vadis 123 NE3 ACREAGE 81.29 AC.
 OIL & GAS ROYALTY OWNER DON H. NUTTER, Et. Al. LEASE NO. 2207 LEASE ACREAGE 240 AC.

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 BENSON ESTIMATED DEPTH 5,200'
 WELL OPERATOR ALAMCO 010 DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. Box 1740, CLARKSBURG, W. VIRGINIA ADDRESS P.O. Box 1740 CLARKSBURG, W. VIRGINIA
26302-1740 26302-1740

PERMIT AUG 27 1984

6-4 Meathouse Fork - Bristol (146)

RECEIVED
OCT 9 1984



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date October 3, 1984
Operator's
Well No. A-1428
Farm Nutter
API No. 47 - 017 - 3350

OIL & GAS DIVISION
DEPT. of MINES

OIL and GAS DIVISION

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AUG 5 - 1985

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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

LOCATION: Elevation: 1328' Watershed Dry Fork
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 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 David Kent Moss
ADDRESS Rt. 2, Box 201, Buckhannon, WV 26201
MINERAL RIGHTS OWNER Don H. Nutter et al
ADDRESS 147 Vallen St., Salem, WV 26246

OIL AND GAS INSPECTOR FOR THIS WORK Mike
Underwood ADDRESS Rt. 2, Salem, WV 26246

PERMIT ISSUED August 23, 1984
DRILLING COMMENCED August 31, 1984
DRILLING COMPLETED September 10, 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.			
1 1/4"			
9 5/8"			
8 5/8"	1174'	1174'	to surface
7"			
5 1/2"			
4 1/2"	5156'	5156'	w/570 sks 1900'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson DEPTH 5200 FEET

Depth of completed well 5350 feet Rotary x / Cable Tools feet Salt feet
Water Strata depth: Fresh None listed Is coal being mined in this area? No
Coal seam depth: None listed

OPEN FLOW DATA

Producing formation Benson, Balltown, Speechley-Warren Pay zone depth See Back feet
Gas: Initial open flow No Show Mcf/d (Oil) Initial open flow No Show Bbl/d
Final open flow 1400 Mcf/d Final open flow 50 Bbl/d

Time of open flow between initial and final tests 2 hours

Static rock pressure 950 psig (surface measurement after 18 hours shut-in
(If applicable due to multiple completion--)

Second producing formation

Gas: Initial open flow Mcf/d Oil: Initial open flow feet
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)

AUG 19 1985

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

Well was fractured September 20, 1984
 Perforations: 3469 - 3472 ~~Warren~~
 3730 - 3734 ~~Warren~~
 3737 - 3740 ~~Speechley-Warren~~

3884 - 3892 Balltown
 5031 - 5034 Benson

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Fill	0	15	1-1/2" stream water @ 1600'
Sand & Shale	15	150	Gas check @ 2251' No show
Shale & Red Rock	150	325	Gas check @ 2559' No show
Sand & Shale	325	340	Gas check @ 2835' No show
Shale & Red Rock	340	770	Gas check @ 3238' No show
Sand & Shale	770	2104	Gas check @ 3545' No show
Little Lime	2104	2140	Gas check @ 3854' No show
Sand & Shale	2140	2156	Gas check @ 4101' No show
Big Lime	2156	2243	Gas check @ 4530' No show
Big Injun	2243	2296	Gas check @ 4864' No show
Sand & Shale	2296	5350 T.D.	Gas check @ 5168' No show
		Benson TD	

GAMMA RAY LOG TOPS ✓

- Pocono 2322'
- Weir 2362'
- Gantz 2530'
- Gordon Stray 2738'
- Gordon 2846'
- 5th Sand 2958'
- Bayard 3086'
- Warren 3391'
- Upper Speechley 3591'
- Speechley 3727'
- Balltown 3884'
- Bradford 4499'
- Riley 4804'
- Benson 5030'

(Attach separate sheets as necessary)

AIAMCO, INC.

Well Operator

By: *Bruce G. Foster*

Date: October 3, 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: July 3, 19 84
 2) Operator's Well No. A-1428 (Nutter)
 3) API Well No. 47 - 017 - 3350
 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 Gas B (If "Gas", Production Underground storage Deep Shallow
 Elevation: 1328 Watershed: Dry Fork
 District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5'
 6) WELL OPERATOR Alamco, Inc. Address P. O. Box 1740
Clarksburg, WV 26301
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name STEVEN CASEY MIKE UNDERWOOD 9) DRILLING CONTRACTOR:
 Address Box 9327D Box 1740
Janevew, WV 26378 7BZ-1043 Clarksburg, WV 26301

10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 Other physical change in well (specify): _____

11) GEOLOGICAL TARGET FORMATION, Benson
 12) Estimated depth of completed well, 5200 feet
 13) Approximate true depths: Fresh, 139 feet; salt, 919 feet.
 14) Approximate coal seam depths: None 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.	For drilling	Left in well		
Conductor	16"						
Fresh water				20'	20'	Cement to Surface	
Coal	8-5/8"		20#	750'	750'	Cement to Surface	
Intermediate							
Production	4-1/2"		1.55				
Tubing			10.50#	5200'	5200'	Req. by Rule 45.01	
Liners							
							Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3350

Date August 23, 19 84

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 for 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 August 23, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>4</u>	Agent: <u>✓</u>	Plat:	Casing	Fee
BLANKET	<u>CO MAMW</u>	<u>786</u>		

Margaret J. Hasser
 Administrator, Office of Oil and Gas

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

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

RECEIVED
 AUG 15 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

by rule 15-05

