

LONGITUDE 79-57-30 W
 79°55'-15"

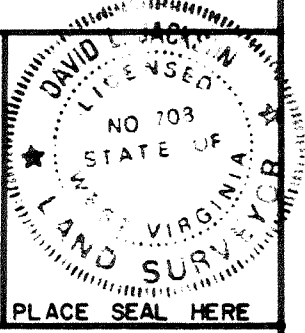
A-B 533-066 348°
 A-C 53-30E 162°
 C-B 554-198 222°

Out sales
 Parcel "A" 1 ac. to John R. Mick
 Parcel "B" 5 1/2 ac. to Arnold
 Parcel "C" 4 ac. owned by Speranza

All mapped wells within 2400' are shown.

FILE NO. vac. 4-36
 DRAWING NO. 1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road intersection
1600' East of Location; El. 1562

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) David L. Jackson
 R. P. E. _____ L. L. S. 708



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)

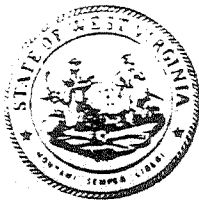


Department of Mines
 Oil & Gas Division

DATE November 21, 1983
 OPERATOR'S WELL NO. B-555
 API WELL NO. _____
47 - 091 - 0394
 STATE COUNTY PERMIT

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X)
 LOCATION: ELEVATION 1498 WATER SHED Scob Run
 DISTRICT Knottsville COUNTY Taylor
 QUADRANGLE Thornton 7 1/2' 15' SW
 SURFACE OWNER Frank L. Kunst ACREAGE 146
 OIL & GAS ROYALTY OWNER Frank L. Kunst and Etha A. Kunst LEASE ACREAGE 173 1/2
 LEASE NO. 2300
 PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Benson, Elk, Haverly ESTIMATED DEPTH 5400
 WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT Berry Energy Consultants & Mgrs., Inc.
 ADDRESS 1/6 Berry Energy Consultants & Mgrs., Inc. P.O. Box 5, Clarksburg, WV 26301 ADDRESS 11th Floor, Union National Bank Bldg. P.O. Box 5, Clarksburg, WV 26301



IV-35
(Rev 8-81)

Date May 2, 1984
Operator's
Well No. B-555
Farm Kunst
API No. 47 - 091 - 0394

RECEIVED State of West Virginia
MAY 21 1984
Dep. of Mines
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES
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 x / Underground Storage ___ / Deep ___ / Shallow x /)

LOCATION: Elevation: 1498 Watershed Scab RUN
District: Knottsville County Taylor Quadrangle Thornton 7.5

COMPANY J&J Enterprises, Inc.

ADDRESS O. Box 48, Buckhannon, WV 26201

DESIGNATED AGENT Richard Reddecliff

ADDRESS P.O. Box 48, Buckhannon, WV 26201

SURFACE OWNER Frank L. Kunst

ADDRESS 3650 Estero Blvd., Myers Beach, Fla. 33931

MINERAL RIGHTS OWNER Same

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Donald

P. Ellis ADDRESS P.O. Box 47, Belmont, WV 26134

PERMIT ISSUED 12/30/83

DRILLING COMMENCED 2/27/84

DRILLING COMPLETED 3/6/84

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

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	30	0	0 sks.
9 5/8			
8 5/8	1130.80	1130.80	270 sks.
7			
5 1/2			
4 1/2	5537.40	5537.40	365 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Haverty Depth 5442-45 feet

Depth of completed well 5614 feet Rotary x / Cable Tools _____

Water strata depth: Fresh 50,165 feet; Salt 0 feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Haverty Pay zone depth 5442-45 feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Combined Final open flow 2,500 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1800 psig (surface measurement) after 96 hours shut in

(If applicable due to multiple completion--)
4378-82
5278-84

Second producing formation Riley, Elks, Benson, Pay zone depth 5011-5014 feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Oil: 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

JUN 4 1984

(Continue on reverse side)

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

Haverty: Perforations: 5442-45 (12 holes)
Fracturing: 6,000 lbs. 20/40 sand: 500 gal. Acid: 165 Bbls. fluid.

Elk: Perforations: 5278-84 (14 holes)
Fracturing: 23,000 lbs. 20/40 sand: 5,000 lbs. 80/100 sand: 500 gal. Scidl 300 Bbls. fluid

Benson: 5011-14 (12 holes)
Fracturing: 5,000 lbs. 80/100 sand: 27,500 lbs. 20/40 sand: 500 gal. acid: 435 Bbls. fluid

Riley: 4378-82 (12 holes)
Fracturing: 42,000 lbs. 20/40 sand: 500 gal. Acid: 400 Bbls. fluid.

BOTTOM HOLE PRESSURE $P_f = P_{we} \times GLS$

$$t=60 + (0.0075 \times 5537) + 459.7 = 561 \quad X = 53.35 \times 561 = 29929 \quad = 0.000033 \quad P_f = 1800 \times 2.72^{(0.000033)}$$

$$(0.62) (4912) (0.9) = 1800 \times 2.72^{0.09} = 1800 \times 1.09$$

WELL LOG
Pf=1970 psi

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
KB to Ground Level			0	10	
op Soil			10	20	1/2" stream @ 50'
Sand, shale & red rock			20	75	
Sand, shale & red rock			75	375	1" stream @ 165'
Sand & shale			375	1005	
Red rock, sand & shale			1005	1150	Gas ck @ 2554 10/10-1/2" w/water 5,955 cu.ft
Red rock & shale			1150	1170	
Sand & shale			1170	1340	
Little Lime			1340	1385	Gas ck @ 3690 No show
Big Lime			1385	1600	
Sand & shale			1600	2475	Gas ck @ 4068 2/10-1/2" w/water 2,538 cu.ft.
Sand & shale			2475	4378	
Riley			4378	4380	
Sand & shale			4380	5011	Gas ck @ 4413 50/10-1" w/water 13,312 cu.ft.
Benson			5011	5014	
Sand & shale			5014	5278	
Elk			5278	5284	Gas ck @ 5014 80/10-1 1/4" w/water 18,839 cu.ft.
Sand & shale			5284	5442	
<u>Haverty</u>			5442	5445	
Sand & shale			5445	5510	Gas ck @ 5203 120/10-1 1/4" w/water
Sand & shale			5510	5614 TD	Gas ck @ T.D. 67/10-1 1/4" w/water 96,374 cu.ft.

(Attach separate sheets as necessary)

J&J Enterprises, INC.

Well Operator

By: *[Signature]*

Date: 5/2/84

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: December 8, 19 83
 2) Operator's Well No. B-555
 3) API Well No. 47 - 091 - 0394
 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 /)
- 5) LOCATION: Elevation: 1498 Watershed: Scab Run
 District: Knottsville County: Taylor Quadrangle: Thornton 7 1/2'
- 6) WELL OPERATOR J & J Enterprises, Inc.
 c/o Berry Energy Consultants
 Address P. O. Box 5
 Clarksburg, WV 26301
- 7) DESIGNATED AGENT W. B. Berry
 Address P. O. Box 5
 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name ~~William Blosser~~ DONALD P. ELLIS
 Address ~~Rt. 4, Box 317~~ P.O. Box 47
 Fairmont, WV 26564 BELMONT, WV 26134
 684.7082
- 9) DRILLING CONTRACTOR:
 Name S. W. Jack Drilling Company
 Address P. O. Box 48
 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Haverly - Elk - Benson
- 12) Estimated depth of completed well, 5400 feet
- 13) Approximate trata depths: Fresh, 50 feet; salt, NONE feet.
- 14) Approximate coal seam depths: 120, 200, 440, 600, 700, 750, 840 Is coal being mined in the area? Yes

RECEIVED
 DEC 21 1983
 OIL & GAS DIVISION
 DEPT. OF MINES

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		
Conductor	11-3/4	API	42#	X		30'	30'	Kinds
Fresh water								
Coal								Sizes
Intermediate	8-5/8	API	24#	X		1100'	1100'	To Surface NEAT
Production	4-1/2	API	10#	X		5400'	5400'	320 SKS
Tubing								or as req by rule 15.01
Liners								Perforations:
								Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-091-0394 Date December 30, 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 December 30, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: ✓	Plat:	Casing	Fee
	LO	MLW	MH	4536

Margaret J. Kasse
 Administrator, Office of Oil and Gas

