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OCT 17 1985

State of West Virginia
Department of Mines
Oil and Gas Division

Date October 15, 1985
Operator's Well No. JKS-1186
Farm Rasey
API No. 47 - 017 - 3468

**DIVISION OF OIL & GAS
DEPT. OF ENERGY**

**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: 1140 Watershed Yeager Run
District: Central County Doddridge Quadrangle Pennsboro 7-5

COMPANY J&J Enterprises, Inc

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

DESIGNATED AGENT Richard Reddecliff

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

SURFACE OWNER Robert Rasey

ADDRESS 1033 Yorktown Dr., Sunnyvale, CA 94087

MINERAL RIGHTS OWNER Same as surface

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Mike
Rt. # 2, Box 114

Underwood ADDRESS Salem, WV 26426

PERMIT ISSUED 9/11/85

DRILLING COMMENCED 9/23/85

DRILLING COMPLETED 9/29/85

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 Cord.			
13-10"	210.95	210.95	100 sks.
9 5/8			
8 5/8	1724	1724	125 sks.
7			
5 1/2			
4 1/2	5396.35	5396.35	275 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Rhine St. Depth feet
Depth of completed well 5524 feet Rotary x / Cable Tools
Water strata depth: Fresh 1520 feet; Salt 0 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5272-86 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Combined Final open flow 1,008 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours
Static rock pressure 1425 psig (surface measurement) after 96 hours shut in

(If applicable due to multiple completion--)

Second producing formation Benson & Rife Pay zone depth 4589-4602 / 4984-86 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

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(Continue on reverse side)

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

Riley: Perforations: 4589-93 (8 holes) 4600-02 (8 holes)
Fracturing: 400 sks. 20/40 sand: 500 gal. acid: 468 Bbls. fluid.

Benson: Perforations: 4984-86 (8 holes)
Fracturing: 350 sks. 20/40 sand: 500 gal. acid: 434 Bbls. fluid.

BOTTOM HOLE PRESSURE $P_f = P_{we} \frac{XGLS}{1}$
 $t=60+(0.0075 \times 5396) + 459.7=560$ $X=53.35 \times 560 = 29876$ $=0.000033$ $P_f=1495 \times 2.72$ (0.000033)
 (0.661) (4788) (0.9) =1425 $\times 2.72^{0.9} = 1425 \times 1.09$
 $P_f=1553$ psi

WELL LOG


FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Top Soil & Clay			0	10	Damp @ 1520'
White sand			10	60	
Red rock, sand & shale			60	95	Gas ck @ 2143 90/10-1" w/water
Sand, shale & white sand			95	130	99.99 cu.ft.
Red rock, sand & shale			130	655	
Sand & shale			655	900	Gas ck @ 2546 36/10-1" w/water
Red rock, sand & shale			900	1399	63.23 cu.ft.
Red rock & shale			1399	1510	
Sand			1510	1515	Gas ck @ 3509 10/10-1" w/water
Sand & shale			1515	1780	33.33 cu.ft.
Shale & sand			1780	1990	
Big Lime			1990	2060	Gas ck @ 4658 30/10-1" w/water
Big Injun			2060	2130	140,000 cu.ft.
Shale & sand			2130	2220	
Shale & sand			2220	2330	Gas ck @ 5000 20/10-1" w/water
Sand & shale			2330	4589	114,000 cu.ft.
Sand & shale			4589	4602	
Riley			4602	4984	
Sand & shale			4602	4986	Gas ck @ 5338 16/10-1" w/water
Benson			4984	5524	102,000 cu.ft.
Sand & shale			4984	5524	

Alexander @ TD

Big Injun @ 2500'

T.D.

(Attach separate sheets as necessary)

Jed Enterprises, Inc.
Well Operator
 By: 
 Robert Dahlin - Geologist
 Date: 10/15/85

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
 sand, encountered in the drilling of a well."



AUG 23 1985

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, 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: 1140' Watershed: Yeager Run
District: Central County: Doddridge Quadrangle: Pennsboro 7.5'
6) WELL OPERATOR J & J Enterprises, C.D.C. 24150 7) DESIGNATED AGENT Richard Reddecliff
Address P.O. Box 48 P.O. Box 48
Buckahnon, WV 26201
8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Mike Underwood
Address Rt. 2 Box 114
Salem, WV 26426
9) DRILLING CONTRACTOR:
Name S.W. Jack Drilling Co.
Address P.O. Box 48
Buckahnon, WV 26201

10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate
Plug off old formation Perforate new formation
Other physical change in well (specify) Rhine Street 44
11) GEOLOGICAL TARGET FORMATION, Rhine Street 44
12) Estimated depth of completed well, 5995' feet
13) Approximate trata depths: Fresh, 115' feet; salt, N/A feet.
14) Approximate coal seam depths: N/A 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		
Conductor	11 3/4	H-40	.42	X		30'	0 Sacks
Fresh water	8 5/8	ERW	23	X		1740'	To Surface
Coal	8 5/8	ERW	23	X		1740'	To Surface
Intermediate							
Production	4 1/2	J-55	10.5	X		5995'	300 Sacks
Tubing							or as required by rule 15-01
Liners							Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3468 Date September 11 19 85

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 11, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <i>Ar-13</i>	Plat: <i>Ar-13</i>	Casing Fee: <i>2062</i>	WPCP Fee: <i>Ar-13</i>	S&E Fee: <i>Ar-13</i>	Other Fee: <i>Ar-13</i>
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NOTE: Keep one copy of this permit posted at the drilling location.
Director, Division of Oil and Gas

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

