

Plot. CARD CSD

3300'

LATITUDE 39°15'00" 845.0  
0.002

4400'

LONGITUDE 80°35'00"

O. CLARK ET. UX.  
57.34 AC.

O. CLARKE ET. UX.  
100.48 AC.

R. W. KELLY  
57.28 AC.

PROPOSED WELL  
JK-889 EL. 1028.40

ED ORR ET. AL.  
67 AC.

D. DAQUILANTE  
59.5 AC.

D. C. PUTH  
83.75 AC.

NORTH

2483  
(25)

539.45' W 232'  
ERROR

907'

505°00'W

N75°00'E

1320'

S67°30'E

1551'

585 (17)

N67°29'E 368.27'

N61°55'W  
419.10'

N31°10'W  
514.92'W

S23°00'W 264.36'

S100°05'W 588.55'50

0.40



845.0  
0.002

835.0  
0.002

PREPARED BY MSES CONSULTANTS

FILE NO. MSES 84-331

DRAWING NO. \_\_\_\_\_

SCALE 1"=500'

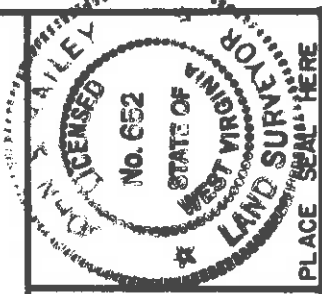
MINIMUM DEGREE OF

ACCURACY 1" IN 200

PROVEN SOURCE OF  
ELEVATION RD FORKS JCI. RT. 158/15/3  
EL. 918

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) John L. Bailey  
P. E. L. S. 652



PLACE SEAL HERE

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

FORM IV-6  
(8-78)



Department of Mines  
Oil & Gas Division

DATE MARCH 21, 1984  
OPERATOR'S WELL NO. JK-889  
API WELL NO. \_\_\_\_\_

47-017-3316  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1028.40 WATER SHED ELDERCAMP RUN

DISTRICT GREENBRIER 4 COUNTY DODDRIDGE

QUADRANGLE BIG ISAAC 7.5' (1976) Valid 15 NC 2

SURFACE OWNER R.W. KELLY ET. UX. ACREAGE 58.78

OIL & GAS ROYALTY OWNER ED ORR ET. AL. LEASE ACREAGE 67

LEASE NO. \_\_\_\_\_

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 ALEXANDER ESTIMATED DEPTH 5400'

WELL OPERATOR J.A. JENTERPRISES, INC. 421 DESIGNATED AGENT RICHARD REDDEGLIFF

ADDRESS P.O. BOX 48 ADDRESS BUCKHANNON, W.V. 26201

BUCKHANNON, W.V. 26201

ALLEN BLUEPRINT Co.

6-6 Zinna

(145)

Charleston, WV

APR 30 1984

RECEIVED

IV-35 (Rev 8-81) AUG 14 1984

OIL & GAS DIVISION DEPT. OF MINES



State of West Virginia Department of Mines Oil and Gas Division

Date 8/13/84 Operator's Well No. JK-889 Farm Kelley API No. 47 - 017 - 3316 - 3316

017-3316

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 / Undergrnd Storage / Deep / Shallow x /)

LOCATION: Elevation: 1028.40 Watershed Eldercamp Run District: Greenbrier County Doddridge Quadrangle Big Isaac 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 Kelley ADDRESS Rt. 3, Salem, WV 26426 MINERAL RIGHTS OWNER Ed Orr ADDRESS P.O. Box 624, Tampa, Fla.

OIL AND GAS INSPECTOR FOR THIS WORK Michael

Underwood ADDRESS Rt.# 2, Box 114, Salem, WV 26426

PERMIT ISSUED 4/25/84 DRILLING COMMENCED 7/9/84 DRILLING COMPLETED 7/16/84

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

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes like 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2 and liners used.

GEOLOGICAL TARGET FORMATION Alexander

Depth 5273 -5333 feet

Depth of completed well 5991 feet Rotary x / Cable Tools

Water strata depth: Fresh 60,284 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 5273-5333 feet

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

Final open flow 1,338 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 2000 psig(surface measurement) after 96 hours shut in

(If applicable due to multiple completion--)

Second producing formation Benson

Pay zone depth 4975-78 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

SEP 24 1984 (Continue on reverse side)

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

Alexander: Perforations: 5273-76 (5 holes) 5292 (2 holes) 5315 (2 holes) 5331-33 (5 holes)  
 Fracturing: 500 sks. 20/40 sand: 646 Bbls. fluid.  
 Benson: Perforations: 4975-78 (12 holes)  
 Fracturing: 300 sks. 20/40 sand: 500 gal. acid: 450 Bbls. fluid.

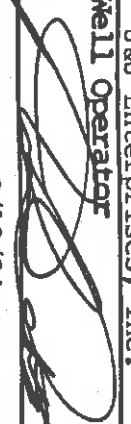
BOTTOM HOLE PRESSURE PF=Pwe XGL<sup>1</sup>  
 $t=60 + (0.0075 \times 5483) + 459.7 = 561$   $X = \frac{53.35}{1} \times 561 = 29920$   $= 0.000033$  PF=2000 x 2.72 (0.000033)  
 $((0.785) (5154) (0.9) = 2000 \times 2.72^{0.1} = 2000 \times 1.1$   
 PF=22 psi

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Clay			0	3	Damp @ 30'
Shale & sand			3	30	
Sand & shale			30	140	Damp @ 60'
Sand & shale			140	310	
Red rock & shale			310	590	1" stream @ 284'
Shale & red rock			590	940	
Sandy shale & sand			940	1220	Gas ck @ 2227' No show
Sand & shale			1220	1785	
Sandy shale & red rock			1785	1890	Gas ck @ 2733 No show
Shale			1890	1980	
Little Lime			1980	2010	Gas ck @ 3245 No show
Shale & red rock			2010	2030	
Big Lime & Injun			2030	2205	Gas ck @ 3758 No show
Sand & shale			2205	2480	
Sandy shale & shale			2480	2670	Gas ck @ 4237 No show
Sandy shale			2670	2845	
Sand & shale			2845	4975	Gas ck @ 4653 No show
Benson			4975	4978	
Sand & shale			4978	5273	Gas ck @ 5166 No show
Alexander			5273	5333	
Sand & shale			5333	5991	Gas ck @ 5579 No show
					Gas ck @ 5991 No show

ELK @ 284' T.D.

(Attach separate sheets as necessary)

J&J Enterprises, Inc.  
 Well Operator  
 By:  Robert Dahlin-Geologist  
 Date: 8/13/84

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



1) Date: March 21, 19 84  
 2) Operator's Well No. JK-889  
 3) API Well No. 47 - 017 - 3316 Permit  
 State County

FILE COPY

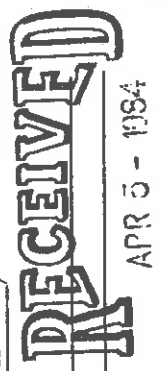
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
 APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: A Oil  Gas  B (If "Gas", Production  Underground storage  Deep  Shallow   
 Elevation: 1028.40 Watershed: Eldercamp Run  
 District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5' (1976)  
 6) WELL OPERATOR: J&J Enterprises, Inc. 7) DESIGNATED AGENT: Richard Reddecliff  
 Address: P. O. Box 48 Address: P. O. Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201

8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name: Stephen Casey H. Michael Underwood 9) DRILLING CONTRACTOR:  
 Address: Box 232B Address: S.W. Jack Drilling Company  
Jarro, WV 26278 787-1043 P.O. Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201

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

11) GEOLOGICAL TARGET FORMATION, 5400 feet  
 12) Estimated depth of completed well, 35-40 feet; salt, 0 feet.  
 13) Approximate strata depths: Fresh, 475-78, 829-33 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)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4	H-40	42	30	0	0 SKS.
Fresh water	8 5/8	ERW	23	1128-1200	1200-1288	To surface
Coal	8 5/8	ERW	23	1200	1200	To surface
Intermediate Production Tubing	4 1/2	J-55	10.5	5350	5350	275 SKS.
Liners						

Depths set or as req. by rule 15-01

Perforations: Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3316 Date April 25, 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 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 April 25, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

BARNETT	Agent:	Plat:	Casing	Fee
	<u>lo</u>	<u>MM</u>	<u>MM</u>	<u>3228</u>

[Signature]  
 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



