

SIDE TWO

Operator Name **J N OIL & GAS, INC.** Lease Name..... **BRACKEN (JN)** Well #..... **1-INJ**

Sec..... **3** Twp..... **29S** Rge..... **13** East West County..... **ELK**

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
TD		540'

DRILLERS LOG
GAMMARAY NEUTRON

CORE **519' - 540'**

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
SURFACE		6 1/4"		40'	Portland	7	
INJECTION		2 7/8"		535'	Portland	70	2% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
1	512' - 517'						
TUBING RECORD				Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						

N & W Enterprises, Inc.

Ph. Bus. 316-223-6200

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1111 S. MARGRAVE

FORT SCOTT, KANSAS 66701

Drilled For J.N. Oil & Gas

Day Of Week Friday Month January 24 Date 24 19 86

Well No. Inj 3 Lease JN Sec. 3 Twp. 29 Range 13 Elev. _____

Spot Location 350' BWL 50' NSL API# 15-049-22,009 County Elk

Surface Casing Size 6 1/4" Depth Set 40'

Rig Time Drilled hole Size 5 1/8"

DRILLERS FORMATIONS REPORT

No. Feet	Kind Of Formations	Depth Of Hole	No. Feet	Kind Of Formations	Depth Of Hole
5	Dirt	0-5		Core Time	
4	Clay	5-9		MINUTES SECONDS	
5	Lime	9-14	1st	7 10	
10	Lime	14-19	2nd	6 31	
273	Shale/gray	29-302	3rd	7 11	
12	Lime/brown/sandy	302-314	4th	7 08	
23	Shale/dark gray	314-337	5th	7 11	
17	Lime	337-354	6th	5 45	
74	Shale/gray	354-428	7th	6 34	
14	Lime/brown	428-442	8th	6 17	
36	Shale/gray lime streaks	442-478	9th	9 20	
4	Lime/brown	478-482	10th	10 12	
8	Shale/limey streaks	482-490	11th	6 53	
2	Lime/brown	490-492	12th	5 27	
5	Shale/dark gray	492-497	13th	5 45	
3	Oil sand/1 ft./sandy shale	497-	14th	6 58	
		500	15th	7 51	
	Sand/no odor/limey	500-503	16th	8 31	
	TRIPPED TO CORE		17th	10 40	
			5	Shale/dark gray	519-524
			16	Shale/lime wafers	524-540
				T.D.	540'

MAY 12 1986