

W & W PRODUCTION COMPANY

FEDERAL I.D. 48-0843238

1150 HIGHWAY 39

CHANUTE, KANSAS 66720-5215

OPERATOR LICENSE 5491

PHONE: OFFICE/HOME 620-431-4137 MOBILE: 620-431-5970

DECEMBER 31, 2002

TWM PRODUCTION COMPANY
P.O. BOX 1000
HUMBOLDT, KANSAS 66748

REF: CANNON A WELL # 22
N2NESWNE 22-26S-18E
ALLEN COUNTY KANSAS
API NO. 15001289760000

4'	DIRT	0- 4	165'	SHALE	595-760
30'	LIME	04-34	2'	OIL SAND	760-762
1'	SHALE	34- 35	13'	SHALE	762-775
2'	LIME	35- 37	5'	OIL SAND	775-780
26'	SHALE	37- 63	35'	SHALE	780-815
20'	LIME	63- 83	2'	SAND	815-817
21'	SHALE	83-104	31'	SHALE	817-848
5'	LIME	104-109	2'	OIL SAND	848-850
4'	SHALE	109-113	5'	SAND	850-855
67'	LIME	113-180	15'	OIL SAND	855-870
6'	SHALE	180-181	35'	SHALE	870-905
1'	COAL	181-182			
20'	LIME	182-207			
6'	SHALE	207-213			
27'	LIME	213-240			
4'	SHALE	240-241			
26'	LIME	241-270			
80'	SHALE	270-350			
1'	COAL	350-351			
51'	SHALE	351-402			
1'	COAL	402-403			
32'	LIME	403-435			
88'	SHALE	435-523			
1'	COAL	523-524			
18'	LIME	524-542			
36'	SHALE	542-578			
17'	LIME	578-595			

TOTAL DEPTH 905'

20' OF 7" SURFACE PIPE 6 SACKS OF CEMENT

12-28-02 CEMENTED WELL W/120 SACKS CEMENT

12-31-02 PERFORATED WELL 848.5 TO 865.0 ✓

2 PERF PER FOOT 24 ADDITIONAL PERF

FRAC WELL 1-3-03