

NEWELL ENERGY LTD

ARWOOD #1

SW NE SECTION 4 T28S R49W

KICKING BIRD FIELD

KIOWA COUNTY, COLORADO

API No. 05-061-06742

Not to scale

Prepared By: Bill McKnab
Date: 9/1/2016

ELEVATION
R.B. 4,247'
G.L. 4,235'
KB 12'
BHT
Spud date: 08/08/97
Drilled Date: 8/27/1997
Completion Date: 02/15/98

FOOTAGE: 1980 FNL
1980 FEL
Lat: 38.290292
Long: -102.90155

Geological tops:			
STONE CORRAL	2,250'	FORT SCOTT	4,370'
TOPEKA	3,572'	CHEROKEE	4,471'
LANSING	3,720'	ATOKA	4,704'
MARMATON	4,265'	MORROW	4,970'

12 1/4" hole
SURFACE CSG: 8 5/8", 24 lb/ft, J55, ST&C set @ 504'
Cmt: 180 sx
Cmt to surface

7 7/8" hole
Production Casing: 5 1/2", 15.5 lb/ft, J-55, ST&C set @ 5,171'
Cement: 230 sx
Cement Top: 3,450'

5 1/2" 15.5 lb/ft J55 I.D. 4.950" Drift 4.825" Burst 4,810 Collapse 4,040 Yield 202,000 Lin ft/bbl 42.0 BBL/linft 0.0238	2 3/4", 4.7 lb/ft, J55, EUE 8rd I.D. 1.995" Drift 1.901" Burst 7,700 Collapse 8,100 Yield 71,730 Lin ft/bbl 258.650 BBL/linft 0.00387	5 1/2" x 2 3/4" Annulus 54.58 0.0183
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Squeeze Perfs: 1600' 1601'

Tubing	Qty	Length	Depth in hole
KB		11.00'	11.00'
27/8" x 10 Pup Joint		10.00'	21.00'
27/8", 6.5 lb/ft, J-55, EUE 8rd, R	162	5,021.57'	5,042.57'
27/8" Seating Nipple		1.10'	5,043.67'
27/8" Perforated Sub		3.40'	5,047.07'
			5,047.07'
			5,047.07'
			5,047.07'
			5,047.07'
			5,047.07'
Rods	Total Joints	162	
Polish rod 1 1/4" x 22' w/1 1/2" x 10' Liner			0.00
7/8" x 25' Grade D Sucker Rods			0.00
3/4" x 25' Grade D Sucker Rods			0.00
Stabitzer pony rod			0.00
2 1/2" x 1 1/4" x 14' pump			0.00

09/01/97 Perf 1,601, cement w/ 100 sx Common & 125 sx
Halliburton Light, cement to surface.
10/01/97 Perforate Lower Morrow 5,040' - 5,050' w/2spf
? Set CIBP @ 5,020'
? Perforate Upper Morrow 4,980' - 4,990'
10/08/97 Frac 4,250 gals CO₂ Foam, 29,500 lbs 20-40 Ottawa Sand
? Drill out CIBP @ 5,020'
09/01/16 Run rods and pump.

Cement Top: 3,3450'

MORROW

4,980' - 4,990'

5,040' - 5,050'

