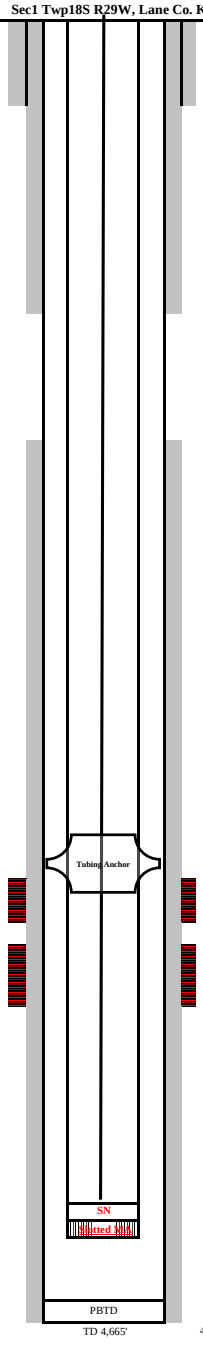
WELLBORE SKETCH

Operator	**O'Brien Resources, LLC**
Well	**Peck 1 No. 2**
Field	**Borealis**
Location	**Sec1 Twp18S R29W, Lane Co. KS**



Tree

Conductor Casing

Csg OD N/A

TOC

Surface Casing

	Bit	Csg	Wt	Grade	TD	Depth set
	12-1/4"	8-5/8"	20#	J	266	266

Cement Lead: 175 sks Class A w/ 3% CaCl+2% Gel
Cmt did circulate to surf

TOC Surface

Production Casing

	Bit Size	Csg	Weight	Grade	TD	Depth Set
	7-7/8"	4-1/2"	10.5 #/ft.		4,660	4,660

Cement Stg I: 350 sks OWC
Stg II: 370 sks 60/40 POZ +8% Gel (Thru DV tool)
Cmt did circulate to surf

TOC GR-CBL 03/19/14

Tbg Detail

Description	ID	OD	Length	Depth Set

Rod Detail

Description			ID	OD	Length	Depth Set

History

03/18/14	Drill out DV tool @ 2,150' & Reamed clean
03/19/14	Spotted 350 gals acidic acid across 4,275'. Ran GR CCL Log. **Perf @ 4,259-62' & 4,264-66'**
03/20/14	**Treated 4,259-66' w/ 200 gals 15% Ne acid.**
03/21/14	**Perf @ 4,233-39' & 4,226-29'**
03/22/14	Rec 420' dirty water, Rec 10' dirty black water, rec 25' dirty water, Rec 20' dirty water. Water more dirty & more salty than water from 4,259-66'
03/25/14	**Perf @ 4,248-51'**
03/26/14	**Treated 4,248-51' w/ 300 gals 15% Ne.** Pulled pkr above all perfs @ 4,217' & pumped acid away @ 0.75 bpm @ 275 psi.

Prepared by: H. Haynes 4/2/2014 TD: 4,665 PBTD: GR (Date) 3/19/2014