

Sec. 22 Twp. 6 Rge. 23 East West County Graham County, KS

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

DST#1- 3572-3603, 30-60-45-60. IHP 1911, FIFP 86, FFFP 144, ISIP 923, SIFP 163, SFFP 221, FSIP 740, FHM 1843. Temp 112. Recovery-720' GIP 360' F.O. 34G 60' O.C.M. 5% gas 40% and 55% oil.

DST#2- 3597-3618', 60-60-60-90 .ISIP 528, FSIP 519, IFP 94-144 ,FFP 184-1230. Recovery- 110' oil specked muddy water

DST#3- 3738-3760' Int. 45-45-30-45. ISIP 423, FSIP 269, IFP 57, FFP 67. Recovery- 20' oil specked mud

Name	Top	Bottom
Anhydrite	2013	
Base "	2044	
Topeka	3331	
Heebner	3543	
Toronto	3569	
Lansing	3586	
Base-KC	3776	
Arbuckle	N.R.	

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 pipe	12"	8-5/8" new	20#	249'	60/40	160	2cc, 3gel
Prod. Casing		4" used	10#	3824'	Thrifty	850	surefil 10%

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	3752-54, 3586-90'	250 gal. 15% mud acid	3752-54
		750 gal. 28%	3686-90
		2000 gal. N.E. w/ACG. 200	"

TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Size	Set At	Packer at			
2-3/8"	3610'	n/a			

Date of First Production	Producing Method
10-1-88	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity
	3BBL.	none	30	n/a	34%

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Conningted
 n/a