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P.O. Box 157 HOISINGTON, KANSAS 67544 (620) 653-7550 • (800) 542-7313 MADDENUNIT1DST1

Company Range Oil Company, Inc.	Lease & Well No. Made	den Unit No. 1	
Elevation 1469 KB Formation Viola	Effective Pay		. Ticket No. F277
Date5-31-14	0.5	Chase State	
Test Approved By Ken Wallace	Diamond Representative_	Jake F	ahrenbruch
Formation Test No. 1 Interval Tested from	2,179 ft. to 2,1	88 ft. Total Dep	oth 2,188 ft
Packer Depth			izeit
Packer Depth2,179 ft. Size6 3/4 in.			Sizein.
Depth of Selective Zone Setft.			
Top Recorder Depth (Inside) 2,162 ft.	Recorder Numb	er5951	Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,180 ft.	Recorder Numb	CC04	Cap. 5,000 psi.
Below Straddle Recorder Depthft.	Recorder Numb		Cappsi.
Drilling Contractor C & G Drilling Company - Rig 2	Drill Collar Length	300 f	t I.D. 2 1/4 in.
Mud TypeChemicalViscosity52	Weight Pipe Length		ft I.Din.
Weight8.9 Water Loss7.8cc.	Drill Pipe Length	1,851	ft I.D. 3 1/2 in.
ChloridesP.P.M.	Test Tool Length	28	ft Tool Size 3 1/2-IF in.
Jars: MakeSterling Serial Number Not Run	Anchor Length	9 _{ff}	t. Size4 1/2-FH in.
Did Well Flow? No Reversed Out No	Surface Choke Size	1in. Bottom	Choke Size5/8 in.
	Main Hole Size	7 7/8 in. Tool Jo	oint Size 4 1/2-XH in.
Blow: 1st Open: Building blow increasing to 7 1/2 ins. No blow back during 2nd Open: Building blow increasing to 9 1/2 ins. No blow back during			
Recovered240 ft. of clean heavy oil = 1.180800 bbls. (Grind out: 100	%-oil) Gravity: 29 @ 60°		
Recovered ft. of oil cut mud = .098400 bbls. (Grind out: 20%-oil;	80%-mud)		
Recovered 260 ft. of TOTAL FLUID = 1.279200 bbls.			
Recovered ft. of			
Recovered ft. of			
Recovered ft. of			
Remarks_Tool Sample Grind Out: 85%-oil; 15%-mud			
	<u> </u>		
Fime Set Packer(s) 8:30 P.M. Time Started off Botton	n_ 11:30 P.M.	Maximum Temper	rature 97°
nitial Hydrostatic Pressure(A)	1019 P.S.I.	•	
nitial Flow PeriodMinutes 30 (B)		to (C)	47 P.S.I.
nitial Closed In PeriodMinutes 30 (D)	742 P.S.I.	,	
Final Flow PeriodMinutes 60 (E)		to (F)	¹¹⁰ P.S.I.
Final Closed In PeriodMinutes 60 (G)	749 P.S.I.	,	
Final Hydrostatic Pressure(H)_	1018 _{P.S.I.}		