

Operator Name: **Imperial Oil Properties, Inc.** Lease Name: **Sowers** Well #: **20-1**
 Sec. **20** Twp. **29** S. R. **6** East West County: **Kingman County, Kansas**

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: DUAL COMPENSATED POROSITY DUAL INDUCTION MICRORESISTIVITY	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>HEEBNER</td> <td>3063</td> <td>-1516</td> </tr> <tr> <td>LANSING</td> <td>3292</td> <td>-1745</td> </tr> <tr> <td>KANSAS CITY</td> <td>3558</td> <td>-2011</td> </tr> <tr> <td>BKC</td> <td>3805</td> <td>-2258</td> </tr> <tr> <td>CHEROKEE SHALE</td> <td>3967</td> <td>-2420</td> </tr> <tr> <td>MISSISSIPPI</td> <td>4122</td> <td>-2575</td> </tr> </tbody> </table>	Name	Top	Datum	HEEBNER	3063	-1516	LANSING	3292	-1745	KANSAS CITY	3558	-2011	BKC	3805	-2258	CHEROKEE SHALE	3967	-2420	MISSISSIPPI	4122	-2575
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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	# Sacs Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	277'	60/40 Poz	225	3%cc 2%gel
Production	7-7/8"	5-1/2"	15.5#	4187'	AA-2	150	10%salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	4128 to 4131	500 gal 10% MCA	4131

TUBING RECORD		Size 2 3/8"	Set At 4120	Packer At 4188	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 9/23/05			Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. 8	Gas Mcf 250 MCF	Water Bbls. 56 bbls	Gas-Oil Ratio	Gravity

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease
(If vented, Sumit ACO-18.) Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

TREATMENT REPORT



Customer ID		Date	
Customer <i>LINTAR OIL PRO</i>		<i>7-21-05</i>	
Lease <i>SOWERS</i>		Lease No.	Well # <i>20-1</i>
Field Order # <i>10815</i>	Station <i>PRATT, KS</i>	Casing <i>5 1/2</i>	Depth <i>4192</i>
Type Job <i>CONCRETE - NW</i>		County <i>KENNICOTT</i>	State <i>KS</i>
Formation <i>TD-4200'</i>		Legal Description <i>20-29-6</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size	Shots/Ft	<i>15.4</i>	Acid	<i>150 SL AA2</i>	RATE	PRESS	ISIP
Depth <i>4192</i>	Depth	From	To <i>1.36</i>	Pre-Pad	<i>10% SPT, 14% CMC</i>	Max		5 Min.
Volume	Volume	From	To	Bed	<i>3/4% Gels Bed</i>	Min		10 Min.
Max Press	Max Press	From	To	Frac	<i>2/10% DEFORTMS</i>	Avg		15 Min.
Well Connection	Annulus Vol.	From	To	Flush	<i>5 1/2" GEL SITE</i>	HHP Used		Annulus Pressure
Plug Depth <i>4134</i>	Packer Depth	From	To			Gas Volume		Total Load

Customer Representative <i>JEFF</i>	Station Manager <i>ANDREW</i>	Treater <i>GEORGEY</i>
Service Units	<i>120 222 303 570</i>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0000</i>					<i>ON LOCATION</i>
					RECEIVED
					<i>Rev 4192' 5 1/2" CSC.</i>
					<i>FROTH SITE LATCH DOWN BASTIC</i>
					KCC WICHITA
					<i>CENT-1-2-5-8-12</i>
					<i>SILICATE - 1-2-3-4</i>
<i>0315</i>					<i>THE BOTTOM - DROP BALL - 0.5700</i>
					<i>ROTATE CEMENT</i>
<i>0445</i>	<i>280</i>		<i>20</i>	<i>5</i>	<i>PUMP 20 bbl 2% VCL H₂O</i>
	<i>280</i>		<i>12</i>	<i>5</i>	<i>PUMP 12 bbl 1% VCL H₂O</i>
	<i>280</i>		<i>3</i>	<i>5</i>	<i>PUMP 3 bbl H₂O</i>
	<i>280</i>		<i>6</i>	<i>5</i>	<i>MIX 25 SL SEALED CEMENT</i>
	<i>280</i>		<i>36</i>	<i>5</i>	<i>MIX 150 SL AA2 CEMENT</i>
	<i>0</i>		<i>0</i>	<i>6</i>	<i>STOP - WITH H-LOVE - DROP PUMP</i>
	<i>280</i>			<i>6</i>	<i>START DISP W/ 2% VCL H₂O</i>
	<i>500</i>		<i>90</i>	<i>4</i>	<i>LEFT CEMENT</i>
			<i>99</i>	<i>4</i>	<i>SLOW RATE</i>
<i>0530</i>	<i>1500</i>				<i>PUMP DOWN - HOLD</i>
					<i>PUMP PAUSE 4 MIN.</i>
<i>0600</i>					<i>JOB COMPLETE - THINGS HOLD</i>

TREATMENT REPORT



Customer ID		Date	
Customer: IMPERIAL OIL PROPERTIES		07-13-05	
Lease: SOWELS		Lease No.	Well #
Field Order # 10660		Station PRATT	20-1
Type Job 8 5/8" SURFACE		Casing 8 5/8" Depth	County KINGMAN State KW
Formation		Legal Description 20-295-6W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8"	Tubing Size	Shots/Ft		Acid 225 SKS 60/40 P02		RATE	PRESS	ISIP
Depth 266.2	Depth	From	To	Pre Pad 2% BW. GEL 390 CM CHLORIDE	Max			5 Min.
Volume	Volume	From	To	Pad .25# BK CELL FRAC	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection MANIFOLD	Annulus Vol.	From	To	Flush FRESH H2O	HHP Used			Annulus Pressure
Plug Depth 262	Packer Depth	From	To		Gas Volume			Total Load

Customer Representative JOHN ARMSTRONG	Station Manager DAVE AUSTLY	Treater M M GUILK
Service Units 109	980	457 381 572

Time	Casing Pressure	Tubing Pressure	Bbis. Pumped	Rate	Service Log
1430					ON LOCATION / SAFETY MTG
1500					TD @ 278 PULL DRILL PIPE
1520					START RUNNING 6 INTS 8 5/8 24" CASING
1630					CASING IN CIRCULATE CASING W/ RIG
1631			22	4.5	HOOK UP TO PUMP TRUCK
1643			15.65	4.5	MIX 225 SKS 60/40 P02 @ 14.7"
1650			16.6	4.5	SHUT DOWN & RELEASE PLUG DISPLACEMENT SHUT DOWN PLUG DOWN CIRCULATED 35 SKS TO 17' #1 PLUG @ 262'

RECEIVED
OCT 11
KCC WICHITA

JOB COMPLETE
THANK YOU