



Operator Name: Cherokee Wells, LLC Lease Name: Harding Well #: A-1  
 Sec. 32 Twp. 29 S. R. 14  East  West County: Wilson

**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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

High Resolution Compensated Density/Neutron Log  
 Dual Induction Log

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 Driller Log Enclosed

CASING RECORD  New  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	12.25	8.625"	26#	42'	Portland	35	
Longstring	6.75"	4.5"	10.5#	1327'	Thick Set	140	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
..... Perforate				
..... Protect Casing				
..... Plug Back TD				
..... 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

TUBING RECORD Size Set At Packer At Liner Run  Yes  No

Date of First, Resumerd Production, SWD or Enhr. 10/19/06 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)  
 METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)  
 Production Interval

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# Well Refined Drilling Co., Inc.

4230 Douglas Road Thayer, KS 66776

Contractor License # 33072

620-839-5581/ Office; 620-432-6170/Jeff Kephart Cell; 620-839-5582/FAX

*Updated*

**HAVE RIG  
Rig # 3  
WILL DIG**

Rig #:	3	S 32	T29	R14
API #:	15-205-27103-0000	Location: E2, SW4		
Operator:	Cherokee Wells, LLC	County: Wilson		

4916 Camp Bowie Blvd				<b>Gas Tests</b>			
Fort Worth, TX 76107				Depth	Inches	Office	flow - MCF
Well #:	A-1	Lease Name:	Harding	see page 3			
Location:	1320 ft. from S	Line					
	990 ft. from W	Line					
Spud Date:	3/19/2007						
Date Completed:	3/22/2007	TD:	1455'				
Driller:	Cody Shamblin						
<b>Casing Record</b>	<b>Surface</b>	<b>Production</b>					
Hole Size	12 1/4"	6 3/4"					
Casing Size	8 5/8"						
Weight	26#						
Setting Depth	42'						
Cement Type	Portland						
Sacks	35	Consolidated					
Feet of Casing							

## Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	2	overburden	433	440	sandy shale	650	651	shale
2	5	sand	440	442	shale	651	660	sand
5	10	clau	442	445	lime	660	664	laminated sand
10	25	shale	445	447	shale	664	671	sand
25	26	lime	447	448	coal	671	675	shale
26	201	shale	448	449	shale	675	678	sand
180		add water	449	453	sandy shale	678	679	coal
201	208	sandy shale	453	473	sandy shale	679	681	shale
208	260.5	shale	473	474	coal	681	698	lime
260.5	262	lime	474	484	sandy shale	698	705	shale
262	281	shale	484	492	shale	705	726	lime
281	295	lime	492	495.5	sandy shale	726	738	blk shale
295	298	shale	495.5	500	lime	738	784	lime - oil odor
298	315	lime	500	511	shale	784	798	shale
315	324	shale	511	513	sandy shale	798	799	coal
324	335	sandy shale	513	526.5	shale	799	815	shale
335	346	lime	526.5	645	lime	815	816.5	Southmound blk shale
346	428	shale	645	646.5	blk shale	816.5	820	shale
428	433	lime	646.5	650	lime	820	823	lime

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Operator: Cherokee Wells LLC			Lease Name: Harding			Well # A-1		page 2
Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
823	825	sandy shale	1064	1067	Summit blk shale	1401	1404	Mississippi chat
825	828	lime	1067	1068	shale	1404	1455	Mississippi lime
828	831	sandy shale	1068	1070	lime	1455		Total Depth
831	836	lime	1070	1071	shale			
836	840	sandy shale	1071	1073	Mulky blk shale			
840	849	shale	1073	1074.5	coal			
849	851	lime	1074.5	1082	lime - oil odor			
851	856	shale	1082	1089	Squirrel sand			
856	866	lime			oil show			
866	870	shale	1089	1093	sandy shale			
870	872	lime	1093	1125	shale			
872	877	Weiser sand	1125	1126	Bevier coal			
877	881	shale	1126	1145	shale			
881	883	sand	1145	1146	Crowburg coal			
883	890	sandy shale	1146	1151	shale			
890	896	sand	1151	1199	sandy shale			
896	908	shale	1199	1200	Flemming coal			
908	909	sand	1200	1208	shale			
909	910	coal	1208	1209	Mineral coal			
910	912	shale	1209	1220	shale			
912	932	sand	1220	1221	Scammon coal			
932	964	shale	1221	1223	shale			
964	967	sandy shale	1223	1225	sandy shale			
967	971	shale	1225	1247	sandy shale			
971	974	lime	1247	1278	shale			
974	975.5	Mulberry coal	1278	1282	lime			
975.5	982	shale	1282	1298	shale			
982	1005	Pink lime	1298	1307	Red Bed			
1005	1007	Lexington blk shale	1307	1348	shale			
1007	1014	shale	1348	1349	coal			
1014	1015	coal	1349	1358	shale			
1015	1033	shale	1358	1359	coal			
1033	1055	Oswego lime	1359	1395	shale			
		oil odor	1395	1396	Riverton coal			
1055	1064	shale	1396	1401	shale			

Notes:

CW-058

07LC-032207-R3-016-Harding A-1-CWLLC-CW-058

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UNCONSOLIDATED OIL WELL SERVICES, INC.  
 P.O. BOX 884, CHANUTE, KS 66720  
 402-431-9210 OR 800-467-8676



TICKET NUMBER 11102  
 LOCATION FURBER  
 FOREMAN RICK LAFORD

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-26-07	3070	HARDING A-1				Wilson
CUSTOMER Gateway Titan			TRUCK #			
MAILING ADDRESS P.O. Box 960			DRIVER			
CITY MEEVER			TRUCK #			
STATE OK		ZIP CODE 74855	DRIVER			
			463 Kyle			
			479 Jeff			

WELL TYPE longstring HOLE SIZE 6 3/4" HOLE DEPTH 1455' CASING SIZE & WEIGHT 4 1/2" 10.5"  
 CASING DEPTH 1325'/1327' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.9" SLURRY VOL 42 bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 21.5 bbl DISPLACEMENT PSI 800 <sup>800</sup> PSI 1200 RATE \_\_\_\_\_

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 30 bbl fresh water. Pump 6 sks gel-flush, 20 bbl fresh water spacer, 11 bbl dye water. Mixed 140 sks thickset cement w/ 5" Rol-seal <sup>1000</sup> @ 12 <sup>400</sup> / gal. Washout pump + lines. Shut down, release plug. Displace w/ 21.5 bbl fresh water. Final pump pressure 800 PSI. Bump plug to 1200 PSI, wait 2 mins release pressure. First hold. Good cement returns to surface = 7 bbl slurry to pit. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	840.00	840.00
5406	40	MILEAGE	3.30	132.00
1126A	140 sks	thickset cement	15.40	2156.00
1110A	700 <sup>gal</sup>	Rol-seal 5" <sup>1000</sup> / sk	.38	266.00
1118A	300 <sup>gal</sup>	gel-flush	.15	45.00
5407	7.7 tons	ton-mileage bulk truck	m/c	285.00
4404	1	4 1/2" top rubber plug	40.00	40.00
4129	1	4 1/2" centralizer	36.00	36.00
4156	1	4 1/2" flapper valve float shoe	208.00	208.00
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CONSERVATION DIVISION WICHITA, KS				
			subtotal	4008.00
			SALES TAX <u>6.3%</u>	173.32
			ESTIMATED TOTAL	4181.32

212612

AUTHORIZATION Witnessed by MDE TITLE \_\_\_\_\_ DATE \_\_\_\_\_