

Operator Name The Warren Corporation
 Sec. 24 Twp. 24s Rge. 16
 East
 West

Lease Name Wild Horse Well # 1
 County Edwards

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
 (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:
 Dual Induction Log
 Compensated Density Neutron Log
 Correlation Cement Bond Log

Name	Top	Datum	<input type="checkbox"/> Log	<input checked="" type="checkbox"/> Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
			Anhydrite	1042'	+1022
Heebner	366I	-160I			
Brown Lime	380I	-174I			
Lansing - Kansas City	3807	-1747			
Mississippi	4223	-2163			
Kinderhook Sand	4268	-2208			

CASING RECORD <input type="checkbox"/> New <input checked="" 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 1/4	8 5/8	20	241.96	60/40Poz	175	2%Gel&3%CC
Production St.	7 7/8	5 1/2	15.5	4324	EA-2	135	2% gel 0.75% 5% CAL SEAL HALAD 322

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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
2 shots/ft.	Mississippi 4228-4234'	Acidize Kind & Miss Perfs w/1000 gals
2 shots/ft.	Kinderhook 4272-4278'	15% FE w/36 balls. Frac Miss & Kind w/43000 gals & 77,500# sand.

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2 3/8"	4202.60'	None				
Date of First, Resumed Production, SWD or Inj.		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
Wait on Gas Line as of 2/24/97								
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		0		650		1	650.000/1	

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: Mississippi
Kinderhook

ALLIED CEMENTING CO., INC.

15-047-21411-0000 1552

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

A. B.

DATE <u>1-13-97</u>	SEC <u>24</u>	TWP. <u>24</u>	RANGE <u>16</u>	CALLED OUT <u>4:28 AM</u>	ON LOCATION <u>7:00 AM</u>	JOB START <u>10:00 AM</u>	JOB FINISH <u>10:00 AM</u>
LEASE <u>Wild Horse</u>	WELL # <u>1</u>	LOCATION <u>Baldwin 4E 1/2 S W1/4</u>			COUNTY <u>Edwards</u>	STATE <u>K. S.</u>	

OLD OR NEW (Circle one)

CONTRACTOR <u>Discovery Drilling Rig #1</u>	OWNER
TYPE OF JOB <u>Surface pipe job</u>	CEMENT
HOLE SIZE <u>20" 12 1/2" T.D. 244 ft</u>	CONFIDENTIAL
CASING SIZE <u>New pipe 8 1/2" DEPTH 241 ft</u>	AMOUNT ORDERED <u>175 gal 32cc 22 gal</u>
TUBING SIZE	
DRILL PIPE	
TOOL	
PRES. MAX	MINIMUM
MEAS. LINE <u>226 ft</u>	SHOE JOINT
CEMENT LEFT IN CSG. <u>15 ft</u>	
PERFS. <u>Displacement 14.9 bbl</u>	

OWNER

CEMENT

CONFIDENTIAL

AMOUNT ORDERED 175 gal 32cc 22 gal

EQUIPMENT	
PUMP TRUCK # <u>120</u>	CEMENTER <u>M. Mc M</u> HELPER <u>Duan S.</u>
BULK TRUCK # <u>342</u>	DRIVER <u>Harri R.</u>
BULK TRUCK # _____	DRIVER <u>George B.</u>

COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
<u>NCU</u>	@
<u>FEB 2 4</u>	@
CONFIDENTIAL	@
HANDLING	@
MILEAGE	@

RELEASED

TOTAL

APR 6 1998

REMARKS:

FROM CONFIDENTIAL

SERVICE

Circulate Hole with Big mud pump
Mix Cement + Release the plug
Displace the Plug Down with water
Cement did Circulate to surface

DEPTH OF JOB <u>241 ft</u>	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
PLUG <u>1-8 1/2" wooden plug</u>	@
	@
	@

TOTAL

CHARGE TO: Warren Corporation
STREET 50 Penn Place Suite 410
CITY Oklahoma City STATE OK ZIP 73118

FLOAT EQUIPMENT

Thank you
Allied Cementing Co Inc
K. S. + D. + H. + M. + A. + M. + S.

RECEIVED	@
WARREN CORP	@
WARREN CORP	@
WARREN CORP	@
WARREN CORP	@

TOTAL

WELL DATA

FIELD _____ SEC 24 TWP. 24 RING. 16 COUNTY Edwards STATE KS

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4	15.5	5 1/2	KB	4324	
LINER						
TUBING						
OPEN HOLE			7 7/8	4324	25	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>Insert Valve 4" Fill 1</u>	<u>1</u>	<u>Howco</u>
CENTRALIZERS <u>S-4</u>	<u>5</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>Latch Down w/ Baffle 1 1/2"</u>	<u>1</u>	<u>"</u>
HEAD <u>+ manifold</u>	<u>1</u>	<u>"</u>
PACKER		
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1.19</u>	DATE <u>1.19</u>	DATE <u>1.20</u>	DATE <u>1.20</u>
TIME <u>1800</u>	TIME <u>1900</u>	TIME <u>2452</u>	TIME <u>0135</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
CONFIDENTIAL		
RELEASED		
APR 6 1998		
FROM CONFIDENTIAL		
CONFIDENTIAL		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN.
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN.
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN.
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN.
 BREAKER TYPE _____ GAL.-LB. _____ IN.
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER 2 gal Clay-Fix II

DEPARTMENT Cont
 DESCRIPTION OF JOB 5 1/2 Prod String

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X
 HALLIBURTON OPERATOR D Scott
 COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>Lead</u>	<u>10</u>	<u>50-50</u>	<u>Poz</u>	<u>B</u>	<u>2% Gel</u>	<u>1.26</u>	<u>13.5</u>
<u>ITail</u>	<u>70</u>	<u>FA-2</u>	<u>Standard</u>	<u>B</u>	<u>5% Pul Seal 18% Salt 75% Halad-322 5% Gel</u>	<u>1.42</u>	<u>15.2</u>
<u>ITail</u>	<u>30</u>	<u>FA-2</u>	<u>Standard</u>	<u>B</u>	<u>Same as Above w/ 5% Gels Stop</u>	<u>1.42</u>	<u>15.2</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM 3500
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 15.84 REASON Baffle

SUMMARY

VOLUMES

PRESLUSH: BBL-GAL. 20 x 12 TYPE Clay-Fix S.F.
 LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 102.6
 CEMENT SLURRY: BBL-GAL. 2.2 + 25.2 = 27.4
 TOTAL VOLUME: BBL-GAL. 65.1
 REMARKS Total pipe = 4330' w/ 15.5 spf Plug R.H. M.H. w/ 25 sk 1.1 poz

CUSTOMER: Warren Corp
 LEASE: Wild Horse
 WELL NO: #1
 JOB TYPE: O35
 DATE: 1/20/97



JOB LOG HAL-2013-C

DATE 1/20/97 PAGE 4

CUSTOMER Warren Corp WELL NO #1 LEASE Wild horse JOB TYPE 5/2 Prod String TICKET NO 104920

CHART NO.	TIME	RATE (BPM)	VOLUME (99L) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
E 1								Called Out
	RELEASED							On loc w/Trk Safety mtg
	APR 6 1998							Run F.E. & Csg
	FROM CONFIDENTIAL							Csg on Bottom Drop Ball + Circ
								Rig up Howco
	2452	7	20			✓	350	St H2O w/2% Clay-Fix II
	2456	7	12			✓	350	Pump Super Flush
	0100	7	5			✓	300	H2O Spacer CONFIDENTIAL
	0110	6	2.2			✓	300	mix + pump Scavenger Cmt @ 13.5ppg
	0112	6	25.2			✓	295	Pump Tail Cmt @ 15.2 ppg
	0116	Ø	27.4	Total SL		Ø		w/.5% Gas Stop Last 30 sk's Finish mixing Cmt
	0118	6	15					Close In manifold
	0124	9				✓	100	Wash Pump & Line
	0129	7				✓	365	Release Latch Down Plug
	0133					✓	1000	St Disp w/ H2O
	0135	Ø	102.6			✓	Ø	lifting Cmt Decrease Rate
			5.6					Plug Down psi Test Csg
								Plug Down psi Held
								Plug R.H & M.H. w/25sk's por
								Good Circ During Job
								Job Complete
								Thank you
								Scotty

CONFIDENTIAL
 FEB 24
 CONSERVATION DIVISION
 Wichita, Kansas
 REC'D
 MAR 5 1997
 COMMISSION