

OCT 21 2002

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONSERVATION DIVISION
WICHITA, KS
6477

CONFIDENTIAL

ORIGINAL

Operator: License # _____
Name: Koch Exploration Co.
Address: 20 East Greenway Plaza, 6th Floor
City/State/Zip: Houston, TX 77046
Purchaser: _____
Operator Contact Person: Patrick G. Baker
Phone: (620) 694-1724
Contractor: Name: Pratt Well Service Dynatec Drilling
License: 5893 32976
Wellsite Geologist: None

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows: **FEB 27 2002**

Operator: _____
Well Name: **CONFIDENTIAL**

Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

01/18/2002 01/27/2002 01/28/2002
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15- 155-21458-0000
County: Reno
SW SW NW Sec. 22 Twp. 23 S. R. 6 East West
2693 feet from S (circle one) Line of Section
250 feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW: (SW)
Lease Name: Hutchinson Test Well #: 1

Field Name: N/A
Producing Formation: Hutchinson Salt

Elevation: Ground: 1549 Kelly Bushing: _____
Total Depth: 894 Plug Back Total Depth: N/A

Amount of Surface Pipe Set and Cemented at 154.4 Feet
Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan See file 10-23-02
(Data must be collected from the Reserve Pit)
Saturated
Chloride content Brine ppm Fluid volume 40 bbls
Dewatering method used N/A

Location of fluid disposal if hauled offsite: N/A **RELEASED**

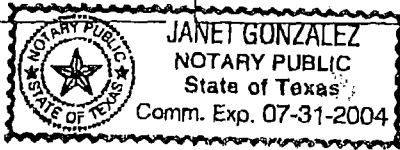
Operator Name: _____
Lease Name: _____ License No.: **MAR 07 2003**
Quarter _____ Sec. _____ Twp. S. R. East West
County: _____ Docket No.: **FROM CONFIDENTIAL**

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]
Title: Lance F. Harmon
Attorney-in-Fact Date: 9/20/02
Subscribed and sworn to before me this 20 day of September
2002
Notary Public: Janet Gonzalez
Date Commission Expires: 7-31-2004

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution



Operator Name: Koch Exploration Co. Lease Name: Hutchinson Test Well #: 1
 Sec. 22 Twp. 23 S. R. 6 East West County: Reno

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. None (See attached)

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken (Submitted to KGS) Yes No
 Electric Log Run Yes No
 (Submit Copy)

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

List All E. Logs Run: Dipole Sonic / Gamma Ray
Compensated neutron/Lithodensity
Array Laterolog / Gamma Ray

CASING RECORD <input checked="" 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 Casing		10-3/4"	32.75	154.4'	Common	150	3% CaCl
Intermediate Casing		7"	20	260.6'	Common	125	3% CaCl

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

TUBING RECORD		Size	Set At	Packer At	Liner Run	
					Yes	No
Date of First, Resumed Production, SWD or Enhr.		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 Open Hole Perf. Dually Comp. Commingled
 (If vented, Sumit ACO-18.) Other (Specify) Plug & Abandon
Stratigraphic Hole

Drillers Log
Hutchinson Test Well



ORIGINAL

P.O. Box 847
Pratt, Kansas 67124
(316) 672-6520 ext. 10 or (800) 474-6781

Fax: (316) 672-6859
Email: pwsenvir@socencom.net
Web Site: www.socencom.net/~pwsenvir

RECEIVED
KANSAS CORPORATION COMMISSION

Invoice

OCT 21 2002

BILL TO

Koch Hydrocarbon, LP
1910 S. Broadacres
Hutchinson, KS 67501

CONFIDENTIAL

CONSERVATION DIVISION
WICHITA, KS

DATE	INVOICE #
2/10/2002	E1211

Date of Job	P.O. NO.	TERMS	MILES	COUNTY	DRIVER	LOCATION/SITE
7/2/2002	AFE #30173	Net 30		Reno	Steve Ezell	Hutchinson

QNTY / HOURS	DESCRIPTION	RATE	AMOUNT
	<p>JANUARY 7, 2002 Gathered 10 3/4" casing elevator from Kansas Fishing Tool and 14 3/4" Drill Bit from R & W Bit in Ellenwood KS. Purchased 175' of 10 3/4" casing from Smitty's Supply in Great Bend, KS. Drove to Hutchinson to look over drill site. Returned to Pratt.</p> <p>JANUARY 8, 2002 Loaded steel 10 5/8" casing and plastic. Cut 10" PVC for flow ditch and loaded other supplies. Drove to Hutchinson and crew went through the safety film and test. Moved equipment to location. The dozer operator was finishing up the pit. Rigged up E-3 and had the flow ditch dug. Connected the drill bit and subs to the first drill collar which is 4' tall. Changed the fitting on the kelly hose to go to the mud pump. Returned to Pratt.</p> <p>JANUARY 9, 2002 Crew loaded 2 jts. of drill pipe, railroad ties, extra diesel tank and fuel. Drove to Mud Co. and loaded 2 pallets of mud and other supplies. Doug Blankenship ask us to supply the core boxes to his drawing, 120 boxes are needed by Sunday Jan. 13th. Doug decided the pit for the 250 bbl. tank is not deep enough so he wanted the dozer back on location. Jerry chinn arrived at 1:00 p.m. and left at 5:30 p.m.. Found out the tank will not be emptied soon and decided we needed extra tanks for cuttings. Ordered 3 frac tanks from Pratt Well. Finished confirming tomorrows activities and returned to Pratt.</p>		

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BILL TO Koch Hydrocarbon, LP 1910 S. Broadacres Hutchinson, KS 67501	KCC FEB 27 2002 CONFIDENTIAL
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CONSERVATION DIVISION
WICHITA, KS

DATE	INVOICE #
2/10/2002	E1211

Date of Job	P.O. NO.	TERMS	MILES	COUNTY	DRIVER	LOCATION/SITE
7/2/2002		Net 30		Reno	Steve Ezell	Hutchinson

QNTY / HOURS	DESCRIPTION	RATE	AMOUNT
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JANUARY 10, 2002
Loaded railroad ties and drove to Hutchinson. Spread the plastic on the inside of the open trench. PWS delivered 1 Environmental tank and 1 Doghouse. Hooked up the mud pump. Around 9:45 a.m. we were told the letter of intent was signed and well be posted later that afternoon. The rig and crew are on stand by. Cut the PVC pipe for cores. Rigged down the derrick and helped Fred and Sean rearrange frac tanks. Crew unloaded the casing, drill mud and drill pipe. Placed the orange fence material around the open pit. Crew placed the 10" PVC and plastic in the flow ditch and covered the plastic with soil. Finished hooking up the mud pump. Returned to Pratt.

JANUARY 11, 2002
Cut 20 each 5" PVC casing to 5' 10" lengths and then cut them length ways to have 120 each. Loaded core boxes for the drill job. Washed and placed in the core boxes.

JANUARY 14, 2002
Loaded 120 core boxes and drove to Hutchinson. Unloaded at drill site. Leveled the drill rig and left fence material to cover the pit. Drove back to Pratt. Picked up core box lids and made up 5 each 3" suction hoses for frac tanks. Finished gathering MSDS sheets for the job.

JANUARY 16, 2002
Drove to Hutchinson, went through orientation for Koch. Unloaded the premix tank, loaded water truck with water and unloaded into the black frac tank. Placed all of the fence material around except for 1 place. Hooked the suction hose up for the mud pump and the hose for the dump on the premix tank. Filled all tanks of diesel. Showed Haz-Mat where to unload the non hazard tanks with liners. Drove back to Pratt.

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DATE	INVOICE #
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Date of Job	P.O. NO.	TERMS	MILES	COUNTY	DRIVER	LOCATION/SITE
7/2/2002		Net 30		Reno	Steve Ezell	Hutchinson
QNTY / HOURS	DESCRIPTION				RATE	AMOUNT
	<p>JANUARY 17, 2002 Loaded supplies and drove to drill site. Unloaded the mud and jump started the premix engine. Loaded the tank with 80 bbls. of fresh water and then mixed drill mud to the water. Finished putting up the orange fence material around the open top tank. Hooked up the drill bit and subs. Returned to Pratt.</p> <p>JANUARY 18, 2002 Drove to drill site, had a safety meeting with the Koch operators. Jump started the premix. Moved equipment so they could spread gravel between the frac tanks. Mixed drill mud and started drilling. Drilled 158' and sampled every 10'. The bore hole was 14 3/4".</p> <p>JANUARY 19, 2002 Drove to drill site, hooked all the drill hoses and mud pump. Fresh water was freezing when we stopped to make connections. Circulated fluid down the hole, finished drilling to 160'. Came out of the hole and placed 156.32' of 10 3/4" casing in the hole. Helped cement the casing in. Returned to Pratt.</p> <p>JANUARY 20, 2002 Drove to drill site, removed the cement head and adapters. Hooked up hoses on the drill rig. Broke the drill subs and bit down, loaded on the truck. Rigged down the drill rig and drove rig and 1 trailer back to Pratt. Drove Wet 8 to Hutchinson. Loaded railroad ties and used Wet 7 to suck the cuttings from the open top tank to the frac tank. Cleaned the tank to 80% clean. Returned to Pratt.</p>					

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7/2/2002		Net 30		Reno	Steve Ezell	Hutchinson

QNTY / HOURS	DESCRIPTION	RATE	AMOUNT
	<p>JANUARY 21, 2002 Loaded both trailers and drove to Hutchinson. Loaded the mud pump and extra drill mud on the trailers. Drove to Pratt and unloaded the mud pump at PWS. Drove back to Hutchinson to unload more drill mud. Returned to Pratt.</p> <p>JANUARY 21, 2002 Drove rig home. Cleaned and washed rig and unloaded the drill mud.</p> <p>JANUARY 23, 2002 Drove to location, unhooked the centrifugal pump. Stood by until the drill crew drilled to 270'. Pulled the string out of the bore hole. Used wet 8 to suck 100 bbls. of fluid from the mud tank. Returned to Pratt.</p> <p>JANUARY 24, 2002 Drove to Hutchinson, removed cuttings from the mud tank and fluids placed into the frac tanks.</p> <p>JANUARY 25, 2002 Finished removing drill fluids and cuttings from the open top tank. Used the drill crews power washer to finish cleaning and sucking the fluid from the tank. Cleaned up and drove wet 8 back to Pratt.</p> <p>JANUARY 28, 2002 Loaded steel tubing and slings on trailer. Drove wet 8 to drill site. Pumped 3 loads from steel pit. Fed tubing to crew and Acid Service cemented hole. Puyllled tubing and loaded bakc on trailer. Drove back to Pratt and washed out the inside of tubing at main yard.</p>		

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7/2/2002		Net 30		Reno	Steve Ezell	Hutchinson

QNTY / HOURS	DESCRIPTION	RATE	AMOUNT
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JANUARY 29, 2002

Loaded hoses and othe equipment and drove to Hutchinson. Hooked up hoses to wet 8 and sucked out steel pit. Used fresh water from frack tank to final rinse. Pumped waste into #95 frac tank. Pumped out fresh water tank for Dynetec and began pumping out brine water from orange frac tank. Drove back to Pratt.

FEBUARY 1, 2002

Loaded 3" hoses and drove to Hutchinson. Cleaned out remaining fresh water from frac tank near pit. Pumped in brine pond near conrol office. Koch employes used our hoses to unload tanker truck into same brine pond. Unhooked C-3 cylinder from doghouse, pulled connections and hoses. Drove back to Pratt.

FEBUARY 2, 2002

Drove to Hutchinson and picked up water truck. Drove to shop and used high pressure washer to clean cement from inside water truck.

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7/2/2002		Net 30		Reno	Steve Ezell	Hutchinson
QNTY / HOURS	DESCRIPTION			RATE	AMOUNT	

AFE #30173

14 3.4" Surface hole to 159' 6" and 10 3/4" casing cemented in place.

Lithologie

- 0"-10' Top soil & silts mixed with tan clay and fine sand.
- 10'-20' Medium to coarse sands.
- 20'-118' Mudium to coarse sands sub rounded to rounded.
- 118'-125' Red Shale.
- 125'-130' Blue Shale.
- 130'-140' Red and Blue shale mix.
- 140'-150' Red and blue shale mixed with large sand.
- 150'-159' 6" Red and blue shale mixed with large sand.

The casing was 32.75# and we welded 2 each 2" steel straps over the collars at each connection. Two centralizers were placed 1 at 28' from surface and 1 at 21' from bottom. Cemented with common cement and 3% calcium chloride.

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CASING DIMENSIONS & PROPERTIES - 8-ROUND THREADS

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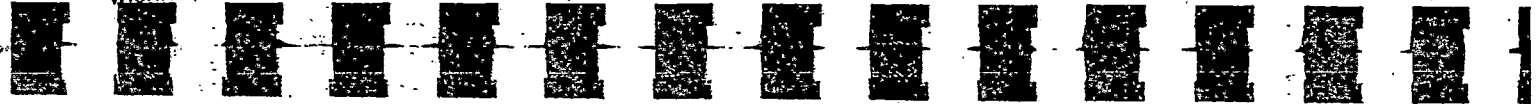
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CUT-SIDE DIA.	WEIGHT PER FOOT		CASING DIMENSIONS			COUPLING DIMENSIONS				SETTING DEPTHS BASED ON MINIMUM PROPERTIES						INTERNAL PRESSURES					
	NOM THRD AND CPLG	PLAIN END	WALL THICKNESS	INSIDE DIA.	DRIFT DIA.	OUTSIDE DIAMETER		LENGTH OF THREAD		GRADE	COLLAPSE		TENSION				STD MILL TEST	20% MIN YLD TEST	MIN YLD	ULTI MATE MIN.	
						REG.	SPL CLEARANCE	SHORT	LONG		S.F. 1.125	PRES-SURE	S.F. 1.8	SHORT CPLG		LONG CPLG					
														FT	PSI	FT					1000 LBS
10 3/4	32.75	31.20	.279	10.192	10.056	11.750	11.250	8	H	1500	350	3430	205	1200	1700	1320	3110	
10 3/4	40.50	38.58	.350	10.650	9.894	11.750	11.250	8	.....	H	2390	1340	4310	314	.....	.....	1600	2100	2260	3910
10 3/4	40.50	38.86	.350	10.650	9.894	11.750	11.250	8	.....	K	3080	1730	6170	450	.....	.....	2100	2900	3130	6190
10 3/4	45.50	44.22	.400	9.950	9.794	11.750	11.250	8	.....	K	4080	2300	6450	528	.....	.....	2530	3300	3580	7070
10 3/4	51.00	49.50	.450	9.850	9.694	11.750	11.250	8	.....	K	5100	2870	6690	600	.....	.....	2830	3700	4030	7950
10 3/4	51.00	49.50	.450	9.850	9.694	11.750	11.250	8	.....	C	5910	3330	8240	756	.....	.....	5000	5000	5490	7950
10 3/4	55.50	54.21	.495	9.760	9.604	11.750	11.250	8	.....	C	7170	4030	8440	843	.....	.....	5500	5500	6040	8750
10 3/4	51.00	49.50	.450	9.850	9.694	11.750	11.250	8	.....	N	6110	3440	8760	604	.....	.....	5400	5400	5860	8370
10 3/4	55.50	54.21	.495	9.760	9.704	11.750	11.250	8	.....	N	7470	4200	8960	895	.....	.....	5900	5900	6450	9210
10 3/4	55.50	49.50	.450	9.850	9.694	11.750	11.250	8	.....	P	6670	3750	11760	1088	.....	.....	7400	7400	8060	10460
10 3/4	55.50	54.21	.495	9.760	9.604	11.750	11.250	8	.....	P	8950	5030	12040	1205	.....	.....	8100	8100	8860	11510
10 3/4	60.70	59.40	.545	9.660	9.504	11.750	11.250	8	.....	P	11730	6600	12250	1338	.....	.....	8900	8900	9760	12680
10 3/4	65.70	64.53	.595	9.560	9.404	11.750	11.250	8	P	14030	7890	12450	1472	9700	9700	10650	13840	

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10 3/4	71.10	70.12	.650	9.450	9.294	11.750	11.250	8	P	16580	9330	12640	1618	10000	10600	11640	15110
10 3/4	65.70	64.53	.595	9.560	9.404	11.750	11.250	8	.....	V	15850	8920	16720	1978	.....	.....	12000	13300	14530	17710
10 3/4	71.10	70.12	.650	9.450	9.294	11.750	11.250	8	.....	V	20900	11750	16990	2174	.....	.....	12000	14500	15870	19350
11 3/4	42.00	40.60	.333	11.084	10.928	12.750	.....	8	.....	H	1820	1020	4060	307	.....	.....	1400	1800	1980	3400
11 3/4	47.00	45.56	.375	11.000	10.844	12.750	.....	8	.....	K	2900	1630	6020	509	.....	.....	2100	2800	3070	6060
11 3/4	54.00	52.57	.435	10.880	10.724	12.750	.....	8	.....	K	4040	2280	6230	606	.....	.....	2400	3300	3560	7030
11 3/4	60.00	58.81	.489	10.772	10.616	12.750	.....	8	.....	K	5040	2840	6420	693	.....	.....	2700	3700	4010	7910
11 3/4	60.00	58.81	.489	10.772	10.616	12.750	.....	8	.....	C	5840	3280	8050	869	.....	.....	5000	5000	5460	7910
11 3/4	60.00	58.81	.489	10.772	10.616	12.750	.....	8	.....	N	6030	3390	8560	924	.....	.....	5300	5300	5830	8320
CONFIDENTIAL																				
13 3/8	48.00	45.98	.330	12.715	12.559	14.375	.....	8	.....	H	1320	740	3730	322	.....	.....	1200	1600	1730	2960
13 3/8	54.50	52.74	.380	12.615	12.459	14.375	.....	8	.....	K	2030	1140	5580	547	.....	.....	1900	2500	2730	5400
13 3/8	61.00	59.45	.430	12.515	12.359	14.375	.....	8	.....	K	2960	1670	5760	633	.....	.....	2100	2800	3090	6050
13 3/8	68.00	66.11	.480	12.415	12.259	14.375	.....	8	.....	K	3500	1950	5870	718	.....	.....	2400	3200	3450	6820
13 3/8	72.00	70.60	.514	12.347	12.191	14.375	.....	8	.....	C	4880	2750	7550	978	.....	.....	4600	4600	5040	7300
13 3/8	77.00	75.34	.550	12.275	12.119	14.375	.....	8	.....	C	5680	3200	7600	1054	.....	.....	4900	4900	5400	7810
13 3/8	85.00	82.90	.608	12.159	12.003	14.375	.....	8	.....	C	7000	3940	7690	1177	.....	.....	5500	5500	5970	8640
13 3/8	98.00	97.19	.719	11.937	11.781	14.375	.....	8	.....	C	9500	5340	7980	1408	.....	.....	6500	6500	7060	10210
13 3/8	72.00	70.60	.514	12.347	12.191	14.375	.....	8	.....	N	4990	2810	8020	1040	.....	.....	4900	4900	5380	7690
13 3/8	77.00	75.34	.550	12.275	12.119	14.375	.....	8	.....	N	5870	3300	8100	1122	.....	.....	5300	5300	5760	8220
13 3/8	85.00	82.90	.608	12.159	12.003	14.375	.....	8	.....	N	7280	4100	8180	1252	.....	.....	5800	5800	6360	9090
13 3/8	98.00	97.19	.719	11.937	11.781	14.375	8	N	9990	5620	8490	1498	6900	6900	7530	10750

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RELEASED

MAR 07 2002

FROM CONFIDENTIAL

KOCH

ORIGINAL TREATMENT REPORT

OCT 21 2002



CONFIDENTIAL

CONSERVATION DIVISION WICHITA, KS

Customer ID	Date	
Customer	1-19-02	
Location	License No.	Well #
HUTCHINSON TEST WELL		1
Field Order #	Station	Casing
4789	PRATT, Ks.	10 3/4
		Depth
		156'
		County
		RENO
		State
		Ks.
Type Job	Formation	Legal Description
CEMENT SURFCE-NEW WELL	TD-160'	22-235-6W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shoes/Ft		Fluid	RATE	PRESS	ISIP
10 3/4				150 SK COMMON CEMENT			5 Min.
Depth	Depth	From	To	Depth	Max		
156				3% CALCIUM CHLORIDE			10 Min.
Volume	Volume	From	To	Prod	Min		
							15 Min.
Max Press	Max Press	From	To	Proc	Avg		
							Annulus Pressure
Well Connection	Annulus Vol.	From	To		HHP Used		
							Total Load
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		

Customer Representative	Station Manager	Treater
	DAVE HATRY	KEVIN GURLEY

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:30			KCC		ON LOCATION
			FEB 27 2002		
			CONFIDENTIAL		RUN 156' 10 3/4" C.S.G.
					CEMENTAL PUMP ON LOCAR #1 & #5
16:30	50		8	2	BREAK CORE WITH H ₂ O
	50		0	3	START MIX CEMENT
					150 SK. COMMON. 3% C.C.
	25		31	3	FINISH MIX CEMENT
					SHUT DOWN - REVERSE HOOD PUMP
	0		0	3	START DISP.
17:00	100		14	3	PLUG DOWN
					✓ CORE. 20 SK. CEMENT TO GET
17:30					JOB COMPLETE
					THANKS - [Signature]

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TREATMENT REPORT

FEB 27 2002



CONSERVATION DIVISION
WICHITA, KS

Customer ID
Customer
PRATT WELL SERVICE
Lease
HICKERSON TEST WELL

Date
1-23-02
Lease No.
Well #

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Field Order # 4390 Station PRATT, KS Casing 7" Depth 260' County RENO State KS
Type Job LONGSTRONG - NEW WELL Formation Legal Description 22-235-6W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 7"	Tubing Size	Shots/Ft		Fluid 125 SB. COMMON CEMENT	RATE	PRESS	ISP	
Depth 260'	Depth	From	To	Pre-Pad 3% CALCIUM CHLORIDE	Max		9 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative [Signature] Station Manager D. HARTY Treater KEVIN GERSLEY

Service Units	107	26	38	72
---------------	-----	----	----	----

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1845					ON LOCATION
					RUN 12 JTS 7" 23" CSG = 260.6'
					RUN 12' CEMENT STABILIZER
2145	50		11	2	BREAK CIRC.
2155	100		0	2	START MIX CEMENT 125 SB. COMMON CEMENT 3% C.C.
2202	50		26	4	FINISH MIX CEMENT
					SHUT DOWN - RELEASE PLUG
2208	0		0	4	START DESP.
2012	200		10	2	PLUG DOWN SHUT IN CEMENT HEAD
2030					CIRC. 40 SB. CEMENT TO SET JOB COMPLETE THANKS - KEVIN

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SERVATION DIV
WICHITA, KS

Customer ID	Date
PRATT WELL SERVICE	1-28-02
Lease No.	Well #
WICHITSON TEST WELL	1
Field Order #	Location
4394	Pratt, ks.
Casing	Depth
7"	260'
County	State
RENO	KS
Type Job	Formation
LOG TO ABANDON - NEW WELL	TD - 894'
Legal Description	
	22-23S-6W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Add	RATE	PRESS	ISIP	
	2 3/8"			175 ST. COMMON				
Depth	Depth	From	To	Pre-Pad	Max			5 Min.
	868'			2% C.C.				
Volume	Volume	From	To	Pad	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative: Station Manager: *D. AUSTY* Tractor: *K. GORDON*

Service Units	107	26	38	70
---------------	-----	----	----	----

Time	Casing Pressure	Tubing Pressure	Bble. Pumped	Rate	Service Log
0800					DIV LOCATION
					RUN 868' 2 3/8" TUBING - 28 JTS.
					Kuch Hydrocarbon AFE # 20173
1300	200		3	2	BREAK CIRC.
	200		0	3	START MIX CEMENT
	300		35	3	CEMENT CIRC. TO SURFACE
1322					165 ST. COMMON 2% C.C.
					START DOWN - PULL TUBING
1415			2	1	TOP OFF 7" CSG - 10 ST. CEMENT
					USED 175 ST. COMMON 2% C.C.
1430					JOB COMPLETE

Thanks - Kevin

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FIELD ORDER 4389

INVOICE NO.	Subject to Correction		
Date 1-19-02	Lease MICHENSON TEST WELL	Well # 1	Legal 22-235-6W
Customer ID	County KEVO	State KS.	Station PRATT, KS.
Depth	Formation	Shoe Joint	
Casing 10 3/4"	Casing Depth 156'	TD 160'	Job Type NEW WELL CEMENT SURFACE
Customer Representative		Trainer KEVIN GEORGEY	

CHARGE

PRATT WELL SERVICE

A/E Number	PO Number	Materials Received by X <i>Steven Egan</i>
------------	-----------	---

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D200	150 SK.	COMMON CEMENT				
C310	56 1/2 lb.	CALCIUM CHLORIDE				
				KCC		RECEIVED
						KANSAS CORPORATION COMMISSION
						FEB 27 2002
						CONFIDENTIAL
						OCT 21 2002
						CONSERVATION DIVISION
						WICHITA, KS
		Keep Hydrocarbon A/E # 30173 SEE RESALE 04035.31				
E101	50 miles	PERMITS				
E102	150 SK.	CEMENT SERVICE CHARGE				
E100	50 miles	UNITS	MILES			
E104	413 TB.	TONS	MILES			
R200	1 EA.	EA.	PUMP CHARGE			
R701	1 EA.	CEMENT HEAD RENTAL				
		DISCOUNT PRICE	=	3229.23		
		PLUS TAX				

10244 NE Hiway 61 - P.O. Box 8613 - Pratt, KS 67124-8613 - Phone (620) 672-1201 - Fax (620) 672-5383 TOTAL 3810.49

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INVOICE NO.	Subject to Correction			FIELD ORDER 4394	
Date	1-28-02	Lease	HATCHERSON TEST WELL	Well #	1
Customer ID		County	RENO	State	KS.
		Depth		Formation	
		Casing	7'	Casing Depth	260'
		TD	894'	Job Type	PTA - NEW WELL
		Customer Representative		Treater	KEVIN COOPERLEY

CHARGE PRATT WELL SERVICE

APE Number PC Number

Materials Received by X Steven Egan

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D200	175 SLS.	PROMIX CEMENT				
C310	330 LB.	HEAVY DUTY HYDROIDE				
				KCC	RECEIVED	
				FEB 27 2002	KANSAS CORPORATION COMMISSION	
				CONFIDENTIAL	OCT 27 2002	
					CONSERVATION DIVISION	
					WICHITA, KS	
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> Koch Hydrocarbon APE # 30175 SEC </div>						
E101	50 miles	PERCUSSION ALLOWANCE				
E107	175 SLS.	CEMENT SAND CHARGE				
E100	50 miles	UNITS MILES				
E104	413 TM	TONS MILES				
R302	1 EA.	EA. 868'				
DISCOUNT PRICE				2960.16		
PLUS TAX						

70244 NE Hiway 61 - P.O. Box 8613 - Prall, KS 67124-8613 - Phone (620) 672-1201 - Fax (620) 672-5383 TOTAL 5492.22

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Plus Tax RELEASED Recharge

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Cuttings Log for Conductor Pipe Drilling

Date	Depth (ft)	Description
1/18/02	10	Top Soil / Clays
1/18/02	20	Sand, Medium to Coarse, Medium Fraction ~ 10%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	30	Sand, Medium to Coarse, Medium Fraction ~ 15%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	40	Sand, Medium to Coarse, Medium Fraction ~ 10%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	50	Sand, Medium to Coarse, Medium Fraction ~ 10%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	60	Sand, Medium to Coarse, Medium Fraction ~ 10%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	70	Sand, Medium to Coarse, Medium Fraction ~ 15%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	80	Sand, Medium to Coarse, Medium Fraction ~ 40%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	90	Sand, Medium to Coarse, Medium Fraction ~ 5%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	100	Sand, Medium to Coarse, Medium Fraction ~ 5%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	110	Sand, Medium to Coarse, Medium Fraction ~ 10%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	115	Sand, Medium to Coarse, Medium Fraction ~ 40%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	120	Shale with Sand, Shale Red-Brown.
1/18/02	125	Shale with Sand, Shale Green-Gray to Light Gray with Very Minor Red.
1/18/02	130	Shale with Sand, Shale Mixed Gray and Red-Brown.
1/18/02	140	Shale with Sand, Shale Red-Brown with Minor Gray.
1/18/02	150	Shale with Sand, Shale Red-Brown with Minor Gray.
1/18/02	159.5	Shale with Sand, Shale Red-Brown with Minor Gray.
1/19/02		Conductor Pipe Set and Cemented at 154.4'.

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ORIGINAL

Cuttings Log for Conductor Pipe Drilling

Date	Depth (ft)	Description
1/18/02	10	Top Soil / Clays
1/18/02	20	Sand, Medium to Coarse, Medium Fraction ~ 10%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	30	Sand, Medium to Coarse, Medium Fraction ~ 15%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	40	Sand, Medium to Coarse, Medium Fraction ~ 10%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	50	Sand, Medium to Coarse, Medium Fraction ~ 10%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	60	Sand, Medium to Coarse, Medium Fraction ~ 10%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	70	Sand, Medium to Coarse, Medium Fraction ~ 15%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	80	Sand, Medium to Coarse, Medium Fraction ~ 40%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	90	Sand, Medium to Coarse, Medium Fraction ~ 5%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	100	Sand, Medium to Coarse, Medium Fraction ~ 5%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	110	Sand, Medium to Coarse, Medium Fraction ~ 10%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	115	Sand, Medium to Coarse, Medium Fraction ~ 40%, Sub Rounded with Very Minor Sub Angular, Generally Well Graded.
1/18/02	120	Shale with Sand, Shale Red-Brown.
1/18/02	125	Shale with Sand, Shale Green-Gray to Light Gray with Very Minor Red.
1/18/02	130	Shale with Sand, Shale Mixed Gray and Red-Brown.
1/18/02	140	Shale with Sand, Shale Red-Brown with Minor Gray.
1/18/02	150	Shale with Sand, Shale Red-Brown with Minor Gray.
1/18/02	159.5	Shale with Sand, Shale Red-Brown with Minor Gray.
1/19/02		Conductor Pipe Set and Cemented at 154.4'.

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Cuttings Log for Surface Casing Drilling

Date	Depth (ft)	Description
1/22/02	166	Cement with Shale, Shale Red-Brown, Sand Present, Cement is 95% of Sample.
1/22/02	176	Cement with Shale, Shale Red-Brown, Minor Sand Present, Cement is 90% of Sample.
1/22/02	186	Cement with Shale, Shale Red-Brown with Minor Gray, Very Minor Sand Present, Cement is 90% of Sample.
1/23/02	196	Shale with Cement, Shale Red-Brown with Minor Gray and Very Minor Sand and Very Minor Gypsum, Cement is 50% of Sample.
1/23/02	206	Shale with Cement, Shale Red-Brown, Cement is 40% of Sample.
1/23/02	216	Shale with Cement, Shale Red-Brown with Gray-Green, Minor Gypsum, Cement is 15% of Sample.
1/23/02	226	Shale, Red-Brown with Minor Gray-Green, Very Minor Gypsum.
1/23/02	236	Shale, Red-Brown with Minor Gray-Green, Very Minor Gypsum.
1/23/02	246	Shale, Mixed Red-Brown and Gray-Green (60/40), with Very Very Minor Gypsum.
1/23/02	256	Shale, Mixed Red-Brown and Gray-Green (60/40), with Very Very Minor Gypsum.
1/23/02	266	Shale, Mixed Red-Brown and Gray-Green (60/40), with Minor Limestone and Very Very Minor Gypsum.
1/23/02	270	Shale, Mixed Red-Brown and Gray-Green (70/300), with Minor Limestone and Very Very Minor Gypsum.
1/23/02		Surface Casing Set and Cemented at 260.6'.
1/24/02		Drilling Cement Plug, Shoe and 40' of New Hole.
1/24/02	280	Shale, Gray-Green with Red-Brown, Minor Gypsum, Possible Carbonate but Cement Makes Determination Difficult.
1/24/02	290	Shale, Gray-Green with Red-Brown, Minor Gypsum, Minor Carbonate.
1/24/02	300	Shale, Gray-Green with Minor Red-Brown, Minor Gypsum, Very Minor Carbonate.
1/24/02	310	Shale, Gray-Green with Very Minor Red-Brown, Minor Gypsum, Significant Carbonate Fraction.
1/25/02	310	Coring Begins

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Cuttings Log for Surface Casing Drilling

Date	Depth (ft)	Description
1/22/02	166	Cement with Shale, Shale Red-Brown, Sand Present, Cement is 95% of Sample.
1/22/02	176	Cement with Shale, Shale Red-Brown, Minor Sand Present, Cement is 90% of Sample.
1/22/02	186	Cement with Shale, Shale Red-Brown with Minor Gray, Very Minor Sand Present, Cement is 90% of Sample.
1/23/02	196	Shale with Cement, Shale Red-Brown with Minor Gray and Very Minor Sand and Very Minor Gypsum, Cement is 50% of Sample.
1/23/02	206	Shale with Cement, Shale Red-Brown, Cement is 40% of Sample.
1/23/02	216	Shale with Cement, Shale Red-Brown with Gray-Green, Minor Gypsum, Cement is 15% of Sample.
1/23/02	226	Shale, Red-Brown with Minor Gray-Green, Very Minor Gypsum.
1/23/02	236	Shale, Red-Brown with Minor Gray-Green, Very Minor Gypsum.
1/23/02	246	Shale, Mixed Red-Brown and Gray-Green (60/40), with Very Very Minor Gypsum.
1/23/02	256	Shale, Mixed Red-Brown and Gray-Green (60/40), with Very Very Minor Gypsum.
1/23/02	266	Shale, Mixed Red-Brown and Gray-Green (60/40), with Minor Limestone and Very Very Minor Gypsum.
1/23/02	270	Shale, Mixed Red-Brown and Gray-Green (70/300), with Minor Limestone and Very Very Minor Gypsum.
1/23/02		Surface Casing Set and Cemented at 260.6'.
1/24/02		Drilling Cement Plug, Shoe and 40' of New Hole.
1/24/02	280	Shale, Gray-Green with Red-Brown, Minor Gypsum, Possible Carbonate but Cement Makes Determination Difficult.
1/24/02	290	Shale, Gray-Green with Red-Brown, Minor Gypsum, Minor Carbonate.
1/24/02	300	Shale, Gray-Green with Minor Red-Brown, Minor Gypsum, Very Minor Carbonate.
1/24/02	310	Shale, Gray-Green with Very Minor Red-Brown, Minor Gypsum, Significant Carbonate Fraction.
1/25/02	310	Coring Begins

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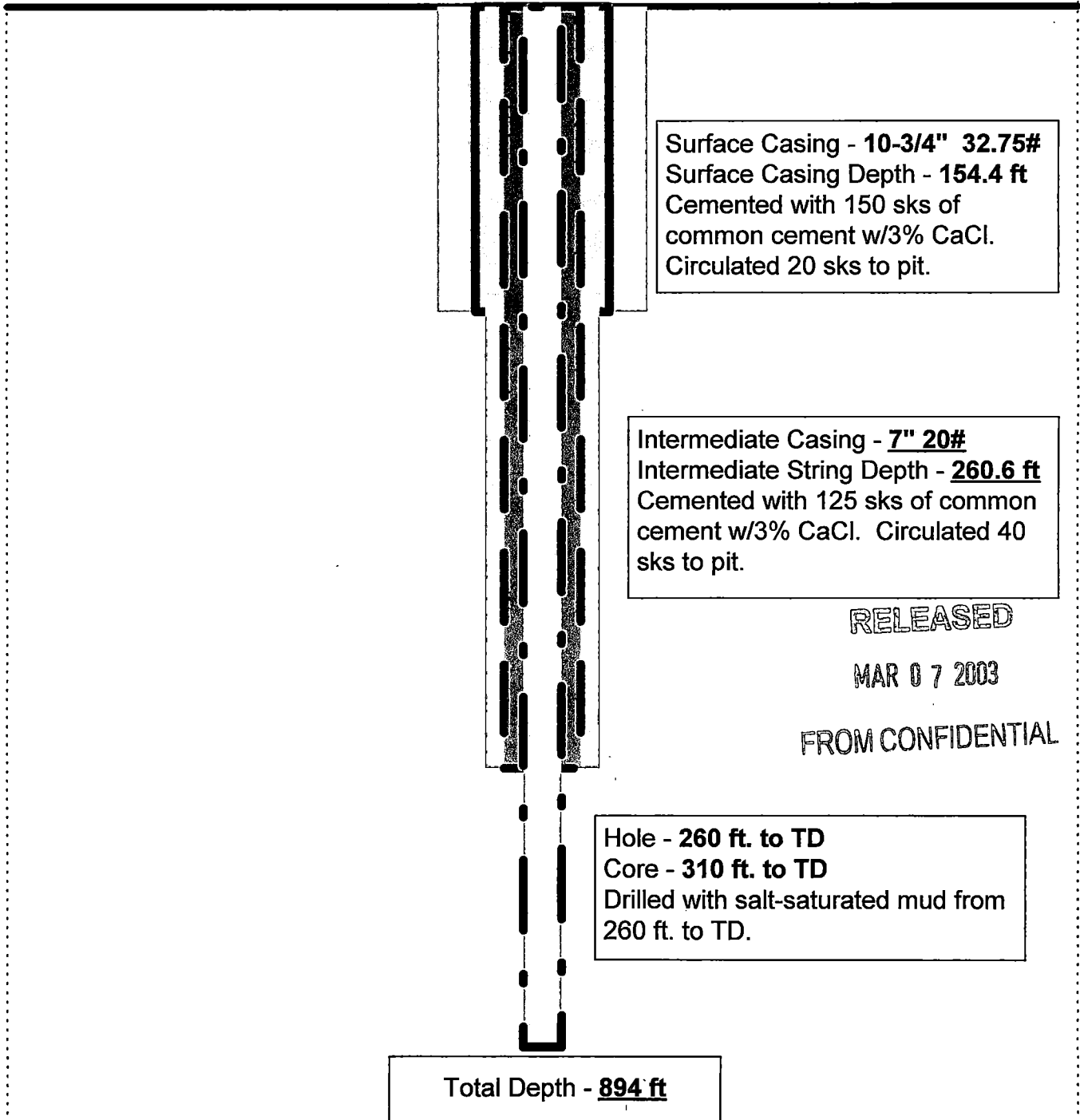
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**Hutchinson Core Test Well
Completion Diagram**

Hutchinson Core Test Well
Location - North Hutch Field
API-15-155-21458-0000
SW-NW-NW 22-23S-6W

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Surface Casing - **10-3/4" 32.75#**
Surface Casing Depth - **154.4 ft**
Cemented with 150 sks of
common cement w/3% CaCl.
Circulated 20 sks to pit.

Intermediate Casing - **7" 20#**
Intermediate String Depth - **260.6 ft**
Cemented with 125 sks of common
cement w/3% CaCl. Circulated 40
sks to pit.

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Hole - **260 ft. to TD**
Core - **310 ft. to TD**
Drilled with salt-saturated mud from
260 ft. to TD.

Total Depth - **894 ft**

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3.0 DESCRIPTION OF FIELD ACTIVITIES

Prior to mobilization, Koch performed site preparation activities, such as pad grading and initial pit construction. Contractor-related field activities associated with the test well at Hutchinson began on January 8, 2001, with the rig mobilization from Medford, Oklahoma. However, contractor licensing and well permit issues necessitated a hiatus in activities until January 18, 2002.

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After reinitiating activities, Pratt Drilling, who performed a wide range of supporting functions during the conduct of this project, began the hole by drilling the conductor casing. The purpose of the conductor casing was to protect and isolate the Equis Beds Aquifer. ~~This casing (10 3/4-inch diameter) was placed in a 14 3/4-inch hole to a depth of 154.4 feet and fully cemented by circulation. Pratt rigged down on January 20, 2002, and Dynatec Drilling began rigging up on January 21.~~

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Rig set-up was performed during daylight hours and consumed the better part of the next 2 days. A UDR 1500 drilling rig operated by Dynatec Drilling was set up over the precollared hole and used for all drilling below the conductor casing. ~~Dynatec began drilling out the conductor casing cement on January 22, 2002, and 24-hour operations were initiated. Drilling continued to 270 feet using a 9-7/8-inch diameter tricone bit. On January 23, 2002, 260.6 feet of 7-inch diameter casing was set in the hole and cemented by circulation.~~ After waiting on the cement for 12 hours, the blow-out prevention equipment (BOPE) was installed. The BOPE consisted of a pipe rams, blind rams, and an annular preventer. Following testing of the BOPE, the cement and an additional 40 feet of new hole (310 feet total depth) were drilled using 6 1/4-inch tricone bit. The drilling system was subsequently changed over to 4-inch wireline coring tools (5 1/2-inch coring rod with a 4-inch core barrel, yielding a 6-inch-diameter hole), and the mud system was changed over to brine with added starch (no gel). Coring began on January 24, 2002. The brine system (as well as the freshwater-based mud) was contained in tanks set below grade in lined pits. Using a 5-foot-long barrel, the hole was cored from 310 feet to a total depth of 894 feet. Total hole depth was reached early on the morning of January 27, 2002.

Following the completion of drilling, logging activities (services provided by Schlumberger) were initiated on the afternoon of January 27, 2002. Logging was completed without difficulty that evening. Immediately following hole logging, an inflatable straddle packer assembly was put together and lowered into the hole using the coring rod. The straddle packer assembly was supplied by TAM international and was used to isolate test zones within the salt section for fracture gradient measurements. Testing was completed in the early morning of January 28, 2002.

After tripping the packers out of the hole, 2 3/8-inch tremmie pipe was tripped into the hole and the hole was cemented to surface and the BOPE was nipped down. The drill was broken

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down on January 29, 2002, and the drilling contractor demobilized on January 30, 2002. Koch assumed responsibility for site closure after this date.

During the coring activities, the retrieved 4-inch core was examined, photographed, and logged on site. All of the collected core was loaded into a heated truck and shipped to the RESPEC offices in Rapid City, South Dakota, on January 29, 2002.

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Cuttings Log for Surface Casing Drilling

KCC WICHITA

Date	Depth (ft)	Description
1/22/02	166	Cement with Shale, Shale Red-Brown, Sand Present, Cement is 95% of Sample.
1/22/02	176	Cement with Shale, Shale Red-Brown, Minor Sand Present, Cement is 90% of Sample.
1/22/02	186	Cement with Shale, Shale Red-Brown with Minor Gray, Very Minor Sand Present, Cement is 90% of Sample.
1/23/02	196	Shale with Cement, Shale Red-Brown with Minor Gray and Very Minor Sand and Very Minor Gypsum, Cement is 50% of Sample.
1/23/02	206	Shale with Cement, Shale Red-Brown, Cement is 40% of Sample.
1/23/02	216	Shale with Cement, Shale Red-Brown with Gray-Green, Minor Gypsum, Cement is 15% of Sample.
1/23/02	226	Shale, Red-Brown with Minor Gray-Green, Very Minor Gypsum.
1/23/02	236	Shale, Red-Brown with Minor Gray-Green, Very Minor Gypsum.
1/23/02	246	Shale, Mixed Red-Brown and Gray-Green (60/40), with Very Very Minor Gypsum.
1/23/02	256	Shale, Mixed Red-Brown and Gray-Green (60/40), with Very Very Minor Gypsum.
1/23/02	266	Shale, Mixed Red-Brown and Gray-Green (60/40), with Minor Limestone and Very Very Minor Gypsum.
1/23/02	270	Shale, Mixed Red-Brown and Gray-Green (70/30), with Minor Limestone and Very Very Minor Gypsum.
1/23/02		Surface Casing Set and Cemented at 260.6'.
1/24/02		Drilling Cement Plug, Shoe and 40' of New Hole.
1/24/02	280	Shale, Gray-Green with Red-Brown, Minor Gypsum, Possible Carbonate but Cement Makes Determination Difficult.
1/24/02	290	Shale, Gray-Green with Red-Brown, Minor Gypsum, Minor Carbonate.
1/24/02	300	Shale, Gray-Green with Minor Red-Brown, Minor Gypsum, Very Minor Carbonate.
1/24/02	310	Shale, Gray-Green with Very Minor Red-Brown, Minor Gypsum, Significant Carbonate Fraction.
1/25/02	310	Coring Begins

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