

ORIGINAL

SIDE ONE

CONFIDENTIAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5703
Name: J.M. Huber Corporation
Address 7120 I-40 West
Suite 100
City/State/Zip Amarillo, Texas 79106

Purchaser: Associated Natl Gas
Operator Contact Person: William D. Siddens
Phone (806) 353-9837

Contractor: Name: Murfin Drilling Company **KCC**
License: 30606 **MAR 1 4**

Wellsite Geologist: None

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

If Workover/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBTB
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____
11-26-93 12-05-93 3-4-94
Spud Date Date Reached TD Completion Date

API NO. 15- 187-20709-0000

County Stanton
App. SW, SW, NW Sec. 7 Twp. 29S Rge. 40 X ^E

2300 Feet from S(N) (circle one) Line of Section
500 Feet from E(W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, (NW) or SW (circle one)

Lease Name Earl Arnold Well # 7-1
Wildcat

Producing Formation Morrow

Elevation: Ground 3326' KB 3337'

Total Depth 6020' PBTB 5949'

Amount of Surface Pipe Set and Cemented at 1671' 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 ALT 1 JH 6-24-94
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid 14000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: APR 22 1994

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rge. _____ E/W

County _____ Docket No. _____

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INSTRUCTIONS: An Original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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.

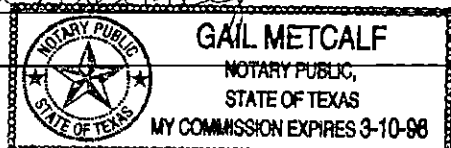
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Kobert Cornelius
Title District Engineer Date 3-14-94

Subscribed and sworn to before me this 14th day of March, 19 94

Notary Public Gail Metcalf

Date Commission Expires _____



RECEIVED STATE CORPORATION COMMISSION 3-18-94 MAR 18 1994
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep CONSERVATION DIVISION
 KGS Plug Wichita, Kansas
(Specify)

Operator Name J.M. Huber Corporation Lease Name Earl Arnold Well # 7-1
 Sec. 7 Twp. 29S Rge. 40 County Stanton
 East West

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 (Attach Additional Sheets.) Yes No Log Formation (Top), Depth and Datums Sample

Samples Sent to Geological Survey Yes No

Cores Taken Yes No Name Top Datum

Electric Log Run (Submit Copy.) Yes No See Attachment

List All E.Logs Run:
 DIL/SFL
 LDL/CNL
 SDT/SONIC
 MICROLOG

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
Conductor	30"	20"		40'	Redi-mix	3.5 yd	
Surface	12-1/4"	8-5/8"	23#	1671'	Lite C	400	2% CaCl w/1/4#
*Production	See Attached		Tailed in with		Premium	150	Hyflo/sx containing 2% CaCl

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
4	5483-5489'		Treated 5468-5489' w/2500	
2	5468-5483'		gals diesel containing 3 gals	
2	5445-5458'		Hyflo-IV	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	5383'	5383'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First Resumed Production, SWD or Inj. Production			Producing Method		
3-4-94			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	185	603	3		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify)

Production Interval: 5468-5489' / 5445-5458'

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Attachment - ACO-1
Earl Arnold 7-1

API# 15-187-20709

APR 22 1996

Name	Log Top	Datum
Chase	2308'	
Neva	2794'	
T/Penn Wabaunsee	2965'	
Topeka	3267'	
B/Heebner		3717'
Lansing	3808'	
Marmaton	4370'	
Cherokee	4545'	
Cherokee Marker	4686'	
Morrow	5016'	
Morrow C	5089'	
Morrow F	5340'	
Miss Chester	5511'	
St. Gen.	5585'	
St. Louis	5638'	
Spergen	5808'	

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Production csg - 5-1/2" 14# ST&C Cond A set at 6019'. Cmt'd 1st stage w/560 Sxs 50/50 Poz "H" w/2% gel, 10% salt, 10# Gilsonite, & 0.3% CFR3/sx. Cmt'd 2nd stage w/560 sx 50/50 Poz "H" w/2% gel, 10% salt, 10# Gilsonite, & 0.3% CFR3/sx.

RECEIVED
STATE CORPORATION COMMISSION

MAR 18 1994

CONSERVATION DIVISION
Wichita, Kansas

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DUPLICATE

**The Western Company
of North America**

REMIT TO: P.O. BOX 911543
DALLAS, TX 75391-1543

J.M. HUBER CORPORATION
VENDOR #2501
P.O. BOX 888
SPEARMAN TX 79081

KCC

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FEDERAL I.D. NO. C 76-0763404

RECEIVED
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MAR 18 1994
CONSERVATION DIVISION
Wichita, Kansas

INVOICE NO. 485545	OUR RECEIPT NO. 255197	DATE 11/28/93
43232	1225	YOUR ORDER NO.

SERVICES FROM OUR STATION AT PERRYTON CEMENTING	OUR ENGINEER ARRINGTON	SIGNED FOR YOU BY CUMMINGS
FOR SERVICING WELD NAME EARL ARNOLD 7-1	COUNTY STANTON	STATE KS 15

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE/UNIT	GROSS AMOUNT	PERCENT DISC.	NET AMOUNT
J3905	MILEAGE, HEAVY VEHICLE, PER UNIT	MILE	25.0	2.900	72.50	35.00	47.13
J3915	MILEAGE, AUTO/PICK-UP/TREATING VAN	MILE	25.0	1.550	38.75	35.00	25.19
F0055	CEMENT CASING, 1501 - 2000 FT	ØHRS	1.0	1155.000	1155.00	35.00	750.75
F0385	CEMENT CASING, AFTER 8 HOURS	HOUR	3.0	205.000	615.00	35.00	399.75
M1005	BULK MATERIALS SERVICE CHARGE	CU FT	849.0	1.350	1146.15	35.00	745.00
J4015	BULK MATERIAL DELIVERY, DRY	TONMI	914.1	.900	822.69	35.00	534.75
P392F	PREM PLUS CNT, PERRYTON, TX	SACK	225.0	9.350	2103.75	35.00	1,367.44
F462F	PADESTR PREM + LITE, PERRYTON, TX	SACK	550.0	8.410	4625.50	35.00	3,006.58
H5027	CALC CHLORIDE-TX PANHANDLE	LB	1239.0	.390	483.21	35.00	314.09
P1715	CELLO-BEAL	LB	138.0	1.980	273.24	35.00	177.61
P3625	CMT PLUG, RUBBER, TOP Ø 3/8"	EACH	1.0	110.000	110.00	35.00	71.50
13365	GUIDE SHOE/NOTCHED Ø 5/8" ØRD	EACH	1.0	225.000	225.00	35.00	146.25
17299	FLOAT CL/ALINS/PV AF LIG Ø 3/8" ØRD	EACH	1.0	350.000	350.00	35.00	227.50
17068	CENTRALIZER W/ PIN Ø 3/8"	EACH	4.0	73.500	294.00	35.00	191.10
135	STOP COLLARS Ø 3/8"	EACH	2.0	23.000	46.00	35.00	29.90
	SUB TOTAL				12360.79		8,034.54

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ACCOUNTING COPY
The Western Company
of North America

SERVICE ORDER AND FIELD RECEIPT

RECEIVED BY: MAR 18 1994
WICHITA DIVISION

Customer (Company Name): J.M. Huber Corp.
CREDIT APPROVAL NO.
PURCHASE ORDER NO.
CUSTOMER NUMBER: 43232-008
INVOICE NUMBER: 435545
MAIL: Bx 888
CITY: Spearman TX
STATE: TX
ZIP CODE: 79081
DATE WORK COMPLETED: 11/28/93
WESTERN SERVICE SUPERVISOR: Arrington - 05779
WELL TYPE: NEW
WELL CLASS: OIL
JOB TYPE CODES: 30, 31, 32, 33, 34, 35, 40, 41, 42, 50, 51, 52, 53

Table with columns: PRODUCT CODE, DESCRIPTION, QTY, UNIT, PRICE/UNIT, GROSS AMOUNT, PERCENT DISC, NET AMOUNT. Includes items like Mileage, Pump Serv., Extra Hrs, Delv. Chg., Premium Plus Cont., Pacesetter-Lite Plus, Calcium Chloride, Cello-Seal, Top Plug, Levide Shoe T/T, Insert Valve (BPV), Centralizers, Stop Ring.

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ARRIVE LOCATION: 11/28/93 11:00
SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.
CUSTOMER AUTHORIZED AGENT: Cummings



THE WESTERN COMPANY CEMENT JOB DETAIL SHEET

CONFIDENTIAL

CUSTOMER <i>M. Roberts</i>			DATE <i>1-22-93</i>		FR. # <i>2255197</i>		SER. SUP <i>ARRINGTON</i>		TYPE JOB <i>Start</i>				
BASE & WELL NAME-OCSSG <i>Earl Harold</i>				LOCATION <i>7-29-40W</i>				COUNTY-PARISH-BLOCK <i>Stanton, KS.</i>					
DISTRICT <i>Perryton</i>			DRILLING CONTRACTOR/RIG <i>Mudman</i>			OPERATOR <i>Same</i>							
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS		LIST-CSG-HARDWARE		SQ MANI FOLD Y N	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES						
	TOP BTM	<i>5 1/2</i>	<i>6.5 - Insert - Cenl. - 5L</i>				SLURRY WGT PPG	SLURRY YLD FT	WATER GPM	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
	<i>8 5/8</i>												
	<i>550 - Pacesetter-lite Plus - 2% CaCl2</i>						<i>12.3</i>	<i>2.06</i>	<i>11.9</i>	<i>5+</i>	<i>202</i>	<i>157</i>	
	<i>1/4 #14 Cello-Seal</i>												
	<i>150 - Premium Plus - 2% CaCl2</i>						<i>14.8</i>	<i>1.32</i>	<i>6.3</i>	<i>3 1/2</i>	<i>3.5</i>	<i>23</i>	
	<i>Top outside 5.5' (40'-20" C&E)</i>												
	<i>75 - Premium Plus</i>												
Available Mix Water <i>182</i> Bbl.			Available Displ. Fluid <i>110</i> Bbl.			TOTAL		<i>237 180</i>					
HOLE			TBG-CSG-D.P.			TBG-CSG-D.P.			COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE
<i>12 1/4</i>	<i>100</i>	<i>1672</i>	<i>8 5/8</i>	<i>23</i>	<i>-</i>	<i>1690</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>1672</i>	<i>1631</i>	<i>1697</i>
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID			
SIZE	WGT.	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.	
											<i>mud</i>	<i>8.8</i>	
CAL DISPL VOL-Bbl.			CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		DISPL FLUID		WATER SOURCE	
TBG	CSG	CSG	TOTAL	BUMP PLUG	TO REV	SO. PSI	RATED	OP.	RATED	OP.	TYPE	WGT.	SOURCE
			<i>1050</i>	<i>700</i>							<i>H2O</i>	<i>8.3</i>	<i>R.6</i>
EXPLANATION: TROUBLE SETTING TOOL RUNNING CSG, ETC. PRIOR TO CEMENTING. <i>300' Ca. 8 5/8 - 20' 8 5/8</i>													
PRESSURE/RATE DETAIL						EXPLANATION							
TIME HR: MIN.	PRESSURE-PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input checked="" type="checkbox"/>							
	PIPE	ANNULUS				TEST LINES <i>2000 PSI @ 0730</i>							
<i>07:10</i>	<i>100</i>					CIRCULATING WELL-RIG <input checked="" type="checkbox"/> WPS <input type="checkbox"/>							
<i>07:38</i>	<i>200</i>		<i>3</i>	<i>20</i>		<i>H2O Ahead</i>							
<i>07:41</i>	<i>200</i>		<i>6</i>	<i>237</i>		<i>Mix Cnt 550/150</i>							
<i>08:27</i>						<i>Drop Plug (WASH ON)</i>							
<i>08:25</i>	<i>600</i>		<i>5.5/4.5</i>	<i>0</i>		<i>Disc @ H2O</i>							
<i>09:04</i>	<i>750</i>		<i>.5/1</i>	<i>105</i>		<i>Bump Plug</i>							
<i>09:04</i>	<i>0</i>					<i>Check float (Held)</i>							
						<i>Standby to Top Out. KCC</i>							
<i>11:35</i>	<i>0</i>		<i>1.8</i>	<i>0</i>		<i>Start Cnt 375 sxs "C" MAR 14</i>							
<i>11:45</i>	<i>0</i>		<i>1.8</i>	<i>17</i>		<i>Shutdown</i>							
RELEASED													
APR 22 1996													
FROM CONFIDENTIAL													
ORIGINAL													
RECEIVED STATE CORPORATION COMMISSION MAR 18 1994 CONSERVATION DIVISION Wichita, Kansas													
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP	TOTAL Bbl. IN PLUG	Bbl. CMT RETURNS REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP <i>D. Arrington</i>						

1133
198

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7 hours
Dave
CREW

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STATE CORPORATION COMMISSION
MAR 18 1994
CONSERVATION DIVISION
Wichita, Kansas



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THE WESTERN COMPANY
CEMENT JOB DETAIL SHEET

CONFIDENTIAL

CUSTOMER J.M. HUBER CORP.		DATE 10-26-93	FR # 255197	SER. SUP ARRINGTON	TYPE JOB SURFACE								
LEASE & WELL NAME/CSG EARL ARNOLD 7-1		LOCATION 7-29S-40W		COUNTY/PARISH/BLOCK STANTON, KS									
DISTRICT PERRYTON		DRILLING CONTRACTOR RIG # MURLIN #1		OPERATOR									
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS FCP 8 5/8-5 ^W BTM		LIST-CSG-HARDWARE GUIDE SHOE - INSERT CENT - STOP RING		SQ MANI FOLD Y N	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES						
	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN			Bbl SLURRY	Bbl MIX WATER					
550 SX PSL PLUS + 2% CACL ² + 1/2#/SK CELLO-SEAL							12.3	2.06	11.4	5+	202	157	
150 SX PREMIUM PLUS + 2% CACL ² TOP OUTSIDE 55' (40'-20' CSG)							14.8	1.32	6.3	3 1/2	35	23	
75 SX PREMIUM PLUG													
Available Mix Water 182 Bbl.		Available Displ. Fluid 110 Bbl.		TOTAL		237 180							
HOLE		TBG-CSG-D.P.			TBG-CSG-D.P.			COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE
12 1/2	100	1672	8 5/8	23		1690				1672	1631		
LAST CASING		PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID				
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.	
CAL DISPL. VOL. Bbl.		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		DISPL. FLUID		MUD		8.8
TBG.	CSG.	CSG.	TOTAL	BUMP PLUG	TO REV	SO PSI	RATED	OP.	RATED	OP.	TYPE	WGT.	WATER SOURCE
			105	700							WATER	8.3	RIG

EXPLANATION: TROUBLE SETTING TOOL RUNNING CSG, ETC. PRIOR TO CEMENTING;
START CASING 04:50 ON BOTTOM 06:35

PRESSURE/RATE DETAIL						EXPLANATION	
TIME	PRESSURE-PSI		RATE	Bbl. FLUID	FLUID	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input checked="" type="checkbox"/>	
HR. MIN.	PIPE	ANNULUS	BPM	PUMPED	TYPE	TEST LINES	2000 PSI
7:10	100					CIRCULATING WELL-RIG <input checked="" type="checkbox"/> WPS <input type="checkbox"/>	
7:38	200		3	20		WATER AHEAD.	
7:41	200		6	237		MIX CEMENT. KCC	
8:22						DROP PLUG (WASH ON).	
8:25	100-600		6-5-4-3	0		DISPLACE WITH WATER. MAR 14	
9:04	750		.5-1	105		BUMP PLUG.	
9:04	0					CHECK FLOAT - HELD OK. CONFIDENTIAL	
						STAND BY TO TOP OUT.	
11:35	0		1.8	0		START 75 SX CEMENT.	
11:45	0		1.8	17		SHUT DOWN.	

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BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP. ARRINGTON	CUSTOMER REP
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THE WESTERN COMPANY
CEMENT JOB DETAIL SHEET

ORIGINAL

CUSTOMER J.M. HUBER CORP.			DATE 12-7-93		F.B.# 280255		SER. SUP. RABE		TYPE JOB LONG STRING				
LEASE # WELL NAME OCSG. EARL ARNOLD 7-1			LOCATION 7-295-40W				COUNTY-PARISH-BLOCK STANTON, KS						
DISTRICT PERRYTON			DRILLING CONTRACTOR RIG #				OPERATOR						
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS		LIST-CSG-HARDWARE			SQ MANI FOLD Y N	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES					
	TOP BTM	D.V.						SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR/MIN	Bbl SLURRY	Ed. V X WATER
1ST STAGE													
560 SX 50/50 POZ-H + 10% SALT + .3% TF-4 + 10# /SK													
GILSONITE								13.6	1.51	6.25	150	83 1/2	
2ND STAGE													
560 SX 50/50 POZ-H + 10% SALT + .3% TF-4 + 10# /SK													
GILSONITE								13.6	1.51	6.25	150	83 1/2	
Available Mix Water			Available Displ. Fluid			TOTAL			300	167			
HOLE			TBG-CSG-D.P.			TBG-CSG-D.P.			COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE
7 7/8		6020	5 1/2"	14#	J-55	6018					6018	5952	3413
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH			TOP CONN		WELL FLUID		
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT	
8 5/8	24#								5 1/2"	8 ^R	MUD		
CAL. DISPL. VOL.-Bbl.			CAL. PSI		CAL. MAX PSI		OP. MAX		MAX CSG PSI		DISPL. FLUID		WATER SOURCE
TRG	CSG	CSG	TOTAL	BUMP PLUG	TO REV	SO. PSI	RATED	OP.	RATED	OP.	TYPE	WGT.	
	ABOVE	BELOW	145	900/1000							WATER	8.3	RIG
EXPLANATION: TROUBLE SETTING TOOL RUNNING CSG, ETC. PRIOR TO CEMENTING.													
BELOW TOOL: 2539'-62 BBL. ABOVE TOOL: 83 BBL.													
PRESSURE/RATE DETAIL						EXPLANATION:							
TIME HR. MIN.	PRESSURE-PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input checked="" type="checkbox"/>							
	PIPE	ANNULUS				TEST LINES 2000 PSI KCC							
						CIRCULATING WELL-RIG <input checked="" type="checkbox"/> WPS <input type="checkbox"/>							
11:40	2000				WATER	TEST LINES. MAR 14							
11:47	200		5		WATER	START WATER AHEAD.							
11:50	300		5	10	CEMENT	START 1ST STAGE CEMENT.							
12:22	100		5	150	CEMENT	FINISH CEMENT-WASH PUMP & LINES! CONFIDENTIAL							
12:29	200		5		WATER	DROP 1ST STAGE PLUG - START DISPLACEMENT.							
12:40	200		5	55	MUD	START MUD.							
12:58	1000		3 1/2	135	MUD	SLOW PUMP.							
13:02	1700		RELEASED	145	MUD	BUMP PLUG - FINISH DISPLACEMENT.							
13:03						CHECK FLOAT - HELD OK.							
13:07						DROP OPENING PLUG.							
13:22	1000		APR 22 1996	15	MUD	OPEN TOOL - HOOK RIG TO CIRCULATE.							
16:53	200		FROM CONFIDENTIAL		WATER	HOOK PUMP TO CSG-START 2ND STAGE WATER.							
16:56	200		5	10	CEMENT	START CEMENT.							
17:25	100		5	150	CEMENT	FINISH CEMENT.							
17:26	0		5		WATER	DROP CLOSING PLUG - START DISPLACEMENT.							
17:42	800		2	75	WATER	SLOW PUMP.							
17:46	2000		2	83	WATER	BUMP PLUG-CLOSE TOOL-FINISH DISPLACEMENT.							
17:48						CHECK TOOL - HELD OK. RECEIVED							
STATE CORPORATION COMMISSION													
JUN 23 1994													
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP. RABE		CUSTOMER REF				
CONSERVATION DIVISION Wichita, Kansas													



ACCOUNTING COPY
The Western Company
of North America

SERVICE ORDER AND
FIELD RECEIPT NO. L 280259

RELEASED FROM CONFIDENTIAL

CUSTOMER (COMPANY NAME) J.M. Huber Corporation		CREDIT APPROVAL NO.	PURCHASE ORDER NO.		CUSTOMER NUMBER 48231	INVOICE NUMBER
MAIL STREET OR BOX NUMBER		CITY	STATE	ZIP CODE		JOB TYPE CODES
INVOICE TO:						
DATE WORK COMPLETED:	MO 12	DAY 7	YEAR 93	WESTERN SERVICE SUPERVISOR B.G. Rebe 02326	WELL TYPE: <input checked="" type="checkbox"/> NEW <input type="checkbox"/> OLD	
WESTERN DISTRICT Peculiar				JOB DEPTH (FT.) 6000	WELL CLASS: <input type="checkbox"/> OIL <input type="checkbox"/> DISPOSAL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> INJECTION	
WELL NAME AND NUMBER Earl Arnold 7-1				TO WELL DEPTH (FT.) 6000'	GAS USED ON JOB: <input type="checkbox"/> N ₂ <input checked="" type="checkbox"/> NONE <input type="checkbox"/> CO ₂ <input type="checkbox"/> BINARY	
WELL LOCATION: SEC. 7-295-40 W		SEC/TWP/RANGE	COUNTY Stanton	STATE Kansas	CEMENTING SERVICES 10 CONDUCTOR 11 SURFACE 12 INTERMEDIATE 13 LONG 14 LINEAR 15 REBACK 16 PLUG & ABANDON 17 PLUG BACK 18 SQUEEZE 19 PUMPING (CEMENT) 20 BULK SALES (CEMENT)	

ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	GROSS AMOUNT	PERCENT DISC	NET AMOUNT
J3915	Pick-up mileage	mile	25.0	1.55	38.75	35%	
J3905	Equipment mileage	mile	25.0	2.90	72.50		
J4015	Delivery Charge 111,462' X 25 miles	Ten/mile	1,393.3	.90	1,253.97		
F0135	Cement Pump @ 6000'	8 Hr	1.0	1,725.00	1,725.00		
K2305	Additional stage on Cement Pump	8 Hr	1.0	1,100.00	1,100.00		
M1005	Service Charge	ft ³	1,428.0	1.35	1,927.80		
P432N	Class "H" Cement 560 Ft ³	SK	560.0	9.06	5,084.80		
P422N	Poz A 560 Ft ³	SK	560.0	5.18	2,900.80		
P1605	TF-4 282 #	lb	282.0	4.49	1,266.18		
P1705	Gilsonite 224 Ft ³	lb	11,200.0	.45	5,040.00		
H5327	Sodium Chloride 84 Ft ³	lb	5,900.0	.14	826.00		
P3255	Thread Lock	Box	2.0	23.90	47.80		
1707	Differential Fill Float Shoe 5 1/2"	EA	1.0	635.00	635.00		
16089	Differential Fill Float Collar 5 1/2"	EA	1.0	765.00	765.00		
17064	5 1/2" Centralizers	EA	12.0	57.50	690.00		
17348	5 1/2" Stage Cementing Tool	EA	1.0	3,400.00	3,400.00		
17131	5 1/2" Stop Ring	EA	2.0	17.80	35.60		
17116	5 1/2" Cement Brest	EA	2.0	188.00	376.00		
Field Estimate					\$ 27,185.00		\$ 17,670

ARRIVE LOCATION	MO 12	DAY 7	YEAR 93	TIME 0600	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.	SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.
CUSTOMER REP LAST NAME					CUSTOMER AUTHORIZED AGENT <input checked="" type="checkbox"/> <i>[Signature]</i> WESTERN APPROVED	<input checked="" type="checkbox"/> <i>[Signature]</i>
SEE REVERSE SIDE FOR GENERAL TERMS AND CONDITIONS						

PAGE: 002/003

TO 13537180

FROM WESTERN--PERRYTON

JUN 21 '94 08:13