

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

API NO. 15- 185-22,930-000 ORIGINAL
County Stafford
Appr. NW - SW - SW Sec. 16 Twp. 23 Rge. 14 E W

Operator: License # 5097
Name: MARTIN OIL PRODUCERS, INC.
Address 150 N. Main, #1010
Wichita, KS 67202
City/State/Zip _____

855 Feet from S/W (circle one) Line of Section
425 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Purchaser: none
Operator Contact Person: Joe Moreland
Phone (316) 264-0352

Lease Name CRISSMAN Well # 2
Field Name Crissman
Producing Formation None

Contractor: Name: ALLEN DRILLING COMPANY
License: 5418
Wellsite Geologist: Joe Morland

Elevation: Ground 1975' KB 1980'
Total Depth 3960' PBDT _____

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

Amount of Surface Pipe Set and Cemented at 430 Feet
Multiple Stage Cementing Collar Used? Yes No

If Workover/Re-Entry: old well info as follows:
Operator: N/A
Well Name: _____
Comp. Date _____ Old Total Depth _____
Deepening _____ Re-perf. _____ Conv. to Inj/SWD _____
Plug Back _____ PBDT _____
Commingle _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____
9/04/93 9/11/93 9/11/93
Spud Date Date Reached TD Completion Date

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

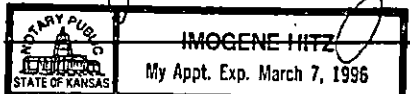
Drilling Fluid Management Plan ACT / D/A
(Data must be collected from the Reserve Pit)
Chloride content 68,000 ppm Fluid volume 1285 bbls
Dewatering method used hauled to disposal well
Location of fluid disposal if hauled offsite: _____

Operator Name KBW Oil & Gas Co.
Lease Name Gobin License No. 5993
SE Quarter Sec. 28 Twp. 25 S Rng. 13 E W
County Stafford Docket No. D19,531

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 [Signature]
Title President Date 9/27/93
Subscribed and sworn to before me this 27 day of Sept.
19 93.
Notary Public [Signature]
Date Commission Expires _____



9-28-93 RECEIVED STATE CORPORATION COMMISSION
K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C _____ Wireline Log Received
C Geologist Report Received
Distribution
 KCC _____ SWD/Rep _____ NEPA
_____ KGS _____ Plug _____ Other _____
(Specify)
SEP 28 1993
OIL & GAS CONSERVATION DIVISION
Wichita, Kansas

Operator Name: MARTIN OIL PRODUCERS, INC. - Lease Name CRISSMAN Well # 2

Sec. 16 Twp. 23 Rge. 14 East West county Stafford

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.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	891	+1089
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B/Anhydrite	911	+1069
List All E.Logs Run:		Heebner	3421	-1441
		Toronto	3439	-1459
		Brown Lime	3553	-1573
		B/KC.	3812	-1832
		BPU	3867	-1887
		Miss. Chert	3878	-1898
		Kinderhook Shale	3911	-1931
		Viola	3930	-1950
		RTD	3960	-1980

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	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	20#	430'	40/60poz	260	2%gel 3%cc

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	Pecker At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input 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

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 _____

ORIGINAL



MARTIN OIL PRODUCERS, INC.

150 N. Main • Suite 1010 • Wichita, Kansas 67202

(316) 264-0352

September 15, 1993

#2 Crissman
approx. NW SW SW Sec. 16-23S-14W
Stafford County, Kansas

15-185-22,930

DST #1 - 3857-3886'. 30-30-30-30. Weak blow for 23 min. on 1st opening. Died in 15 min. on 2nd opening. Recovered 30' mud with no show. ISIP 35# IF 23-23 FF 23-23 FSIP 23#.

DST #2 - 3886-3898'. 30-30-30-30. Weak blow, dead in 25 min. Very weak blow, dead in 10 min. on final opening. Recovered 30' mud. ISIP 35# IF 23-23 FF 23-23 FSIP 23#.

DST #3 - 3898-3910'. 30-30-60-30. Very weak blow throughout test. Recovered 90' gas in pipe & 30' mud with oil spots on top. ISIP 82# IF 23-23 FF 23-23 FSIP 23#.

DST #4 - 3907-3930'. 30-45-60-45. Weak blow building to fair blow throughout test. Recovered 180' gas in pipe, 60' slightly gas cut mud with spots of oil on top. ISIP 400# IF 35-35 FF 35-35 FSIP 105#.

RECEIVED
STATE CORPORATION COMMISSION
SEP 28 1993
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

JOB LOG FORM 2013 R-3

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Marion Oil Prod	2	Crissman	Plug to abandon	512305

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1500							Called out to plug A/Disk well
	1730							well 40 SKS 4000 psi 6 7/8 gal
	1810							on loc. Rig legging down D.P.
	1850							D.P. legged down + Kelly
	1915							run D.P. to 920'
	1930		14.6					run Pump 5bbl water ahead + 50 SKS
	1945		3					cmt Followup 2 bbl water 6 bbl mud
	1958		4.3					Pull DP to 460' pump 3 bbl ^{water} ahead
	2030		4.3					50 SKS cmt + 1 bbl water
	2100							Pull DP out of hole, plug to 40' 10 SKS
								plug Rot hole 15 SKS + under well 15 SKS
								well plugged
								Job complete
								Thank you
								Kan

CUSTOMER

RECEIVED
 STATE CORPORATION COMMISSION
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 STATE CORPORATION COMMISSION
 SEP 28 1993
 CONSERVATION DIVISION
 Wichita, Kansas
 CONSERVATION DIVISION
 Wichita, Kansas



JOB SUMMARY

HALLIBURTON DIVISION Mid Cant.
 HALLIBURTON LOCATION Ways, KS

BILLED ON TICKET NO. 512 305

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Stafford 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						
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-11-73</u>	DATE <u>7-11-73</u>	DATE <u>7-11-73</u>	DATE <u>7-11-73</u>
TIME <u>1:50</u>	TIME <u>1:20</u>	TIME <u>1:05</u>	TIME <u>2:10</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. K. ...</u>	<u>40071 P.H.</u>	<u>Ways, KS</u>
<u>D. ...</u>	<u>#3244 - oil pump</u>	<u>"</u>
<u>D. ...</u>	<u>#G 514</u>	<u>"</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE. AGENT 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 _____

OTHER _____

DEPARTMENT CANT

DESCRIPTION OF JOB July Hall well

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Y. ...

HALLIBURTON OPERATOR X P. ... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>110</u>	<u>42/60</u>	<u>port</u>	<u>8</u>	<u>67 total</u>	<u>1.64</u>	<u>132</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET _____ REASON _____

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____

CEMENT SLURRY: BBL.-GAL. 44.8

TOTAL VOLUME: BBL.-GAL. _____

RAMARKS _____

RECEIVED
 STATE CORPORATION COMMISSION
 SEP 28 1993
 CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER 11/20/73
 LEASE 515
 WELL NO. 2
 JOB TYPE 11/20/73 TO observation
 DATE 11-17-73

10

TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.



HALLIBURTON
ENERGY SERVICES

TICKET CONTINUATION

COPY

RECEIVED
STATE OF KANSAS
9-11-93
SEP 20 1993
CONSERVATION
MICHIGAN
KANSAS

FORM 1911 R-8

CUSTOMER X Martin Oil Producers	WELL Crissman #2
---------------------------------------	---------------------

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			U/M	U/M				
504- 316 136		1		B		SEEN 40/60 Pozmix Standard	140					
507-277		1		B		Halliburton Gel@4%	5			15 50	77 50	
500-207		1		B		SERVICE CHARGE			CUBIC FEET	150	1 35	202 50
500-306		1		B		MILEAGE CHARGE		TOTAL WEIGHT	LOADED MILES	TON MILES	95	176 76
								12,404	30	186.060		

CONTINUATION TOTAL 1,251 96

WELL DATA

FIELD _____ SEC. 16 TWP. 23 RNG. 14 COUNTY STAFFORD 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	<u>u</u>	<u>23</u>	<u>8 5/8</u>	<u>0</u>	<u>430</u>	
LINER						
TUBING						
OPEN HOLE			<u>12 1/4</u>	<u>0</u>	<u>435</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES		JOB DATA	
TYPE AND SIZE	QTY.	MAKE	
FLOAT COLLAR			
FLOAT SHOE			
GUIDE SHOE			
CENTRALIZERS			
BOTTOM PLUG			
TOP PLUG			
HEAD			
PACKER			
OTHER			

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-4</u>	DATE <u>9-4</u>	DATE <u>9-4</u>	DATE <u>9-4</u>
TIME <u>1000</u>	TIME <u>1330</u>	TIME <u>13</u>	TIME <u>1030</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Reno</u>	<u>49861</u>	<u>3844</u>
<u>G. Blessing</u>	<u>52160</u>	<u>11-400</u>
<u>SEBA</u>	<u>61622</u>	<u>3711</u>
		<u>Hays, Ks.</u>
		<u>Pratt, Ks.</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT 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 _____

OTHER _____

DEPARTMENT Cont.

DESCRIPTION OF JOB Cont. Surface

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR J. Reno COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>260</u>	<u>40/60 P02</u>			<u>2% Gel, 3% CC</u>	<u>1.26</u>	<u>14.15</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

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 REASON Request

SUMMARY

PRESLUSH: BBL.-GAL. 10 TYPE Fresh

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 264

CEMENT SLURRY: BBL.-GAL. 59.34

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

RECEIVED
STATE CORPORATION COMMISSION
SEP 28 1993
CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER Wichita Oil Field
LEASE CRISTIANO
WELL NO. 2
JOB TYPE Surface
DATE _____

TERMS AND CONDITIONS

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C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.

ORIGINAL

MARTIN OIL COMPANY

OIL OPERATORS AND PRODUCERS

PHONE (316) 264-0352

150 N. Main • Suite 1010 • Wichita, Kansas 67202

September 21, 1993

GEOLOGICAL REPORT

API # 15-185-22930

WELL NAME: MARTIN OIL PRODUCERS, INC.
#2 CRISSMAN

LOCATION: 855' N of South Line
425' E of West Line
Sec. 16-23S-14W
Stafford County, Kansas

CONTRACTOR: ALLEN DRILLING CO. RIG #3

DATE COMMENCED: Sept. 3, 1993 MIRT

DATE COMPLETED: Sept. 11, 1993

ELEVATIONS: 1980' RB
1975' GL

SAMPLES SAVED: 3000'-3960' RTD

DRILLING TIME SAVED: 850'-950'; 1800'-3960' RTD

CASING RECORD New 8 5/8" set at 430' with 260
sacks 60/40 pozmix plus 3% calcium
chloride plus 2% gel.

GEOLOGICAL INFORMATION: Well was supervised by Joseph E.
Moreland, Jr.

DRILL STEM TESTS: 1 3857-3886' Miss Chert
2 3886-3898' Miss Chert
3 3898-3910' Miss Chert
4 3907-3930' Kinderhook Sand
Tests run by Arrow Testing Co.

DRILLING MUD PROGRAM: Starch base salt mud by Mudco

ELECTRICAL SURVEY: None

REMARKS: Location was filled in 1.8'. New RB
1981.8'. Pipe was strapped at 3886'
& strap was 1.5' long. The two
errors cancel each other, STATE COMMISSION
correction to drilling depth. RECEIVED
made. SEP 28 1993

CONSERVATION DIVISION
Wichita, Kansas

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PERTINENT FORMATION MARKERS (ALL DEPTHS MEASURED FROM ROTARY BUSHING)

	Sample Tops	Log Tops
Elevation	1980 RB	
Anhydrite	890 +1090	
B/Anhydrite	0912 +1068	
Heebner Shale	3421 -1441	
Toronto Lime	3439 -1459	
Douglas Shale	3455 -1475	
Brown Lime	3553 -1573	
L/KC	3566 -1586	
B/Kansas City	3812 -1832	
BPU	3867 -1887	
Miss C Zone	3878 -1898	
Kinderhook Shale	3911 -1931	
Kinderhook Sand	3913 -1933	
Viola	3930 -1950	
Total Depth	3960 -1980	

MAJOR ZONES OF POROSITY:

- Lansing-Kansas City
- 3567-74 Limestone, fine crystalline, tan, scattered oolitic, porosity, no show
 - 3593-98 Limestone, fine crystalline, cream, mealy, fossiliferous, poor intercrystalline & vugular porosity, light scattered stain, show free oil, no odor
 - 3609-14 Limestone, fine crystalline, chalky, poor pinpoint, porosity, no show
 - 3616-18 Limestone, fine crystalline, cream, poor scattered vugular porosity, light scattered stain, slight show free oil, no odor.
 - 3633-38 Limestone, medium to coarse crystalline, white to cream, fair vugular porosity, in part fine crystalline mealy, white, poor pinpoint porosity, no show
 - 3650-55 Limestone, fine crystalline, white, chalky, poor pinpoint porosity, no show
 - 3670-74 Limestone, fine crystalline, cream, mealy, poor pinpoint porosity, no show
 - 3691-94 Limestone, fine to medium crystalline, tan, good to excellent oolitic porosity, light stain, show free oil, slight odor (depleted reservoir)
 - 3728-31 Limestone, fine crystalline, cream to tan, mealy, good to excellent porosity, scattered stain, show free oil, no odor (depleted reservoir)
 - 3734-38 Limestone, fine crystalline, cream to tan, mealy, good to excellent porosity, scattered stain, show free oil, no odor (depleted reservoir)

State of Kansas
 CONSERVATION COMMISSION
SEP 28 1993
 CONSERVATION DIVISION
 Wichita, Kansas

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3756-62 Limestone, fine crystalline, tan, mealy, good fine fossilcast porosity, light stain, good show of free oil, strong odor. (depleted reservoir)

MISSISSIPPIAN

3878-86 Chert, white to yellow, 90% fresh sharp opaque, 10% weathered with fair vugular porosity, light stain, show free oil (DST #1)

3886-98 Chert, white-yellow, 90% fresh sharp, 10% tripolitic, white, hard, with show of light free oil, scattered stain, no odor (DST #2)

3898-3911 Chert, white to yellow, 90% fresh, 10% weathered with fair vugular porosity, good show light free oil, no odor (DST #3)

KINDERHOOK SAND

3913-21 Sandstone, fine grained, subangular, good sorting, clear, fair porosity, light stain, show free oil & odor (DST #4)

VIOLA

3930-36 Chert, white, porcelaneous, opaque, fresh, no visible porosity, no show

3936-47 Chert, white, porcelaneous with asphaltic residue

3847-60 Chert, white with blue hue, fresh, translucent with black residue

DRILL STEM TESTS:

DST #3857-3886' Miss Chert Open 30", shut in 30", open 30", shut in 30". During initial opening very weak blow, dead in 23". During second opening very weak blow, dead in 15". Recovery 30' mud. ISIP 35 FP 23-23; 23-23 FSIP 23

DST #2 3886-3898' Mississippi Chert Open 30", shut in 30", open 30", shut in 30". During initial opening very weak blow, died in 25". During second opening very weak blow, dead in 10". Recovery 30' mud. ISIP 35 FP 23-23; 23-23 FSIP 23

DST #3 3898-3910' Mississippi Chert Open 30", shut in 30", open 60", shut in 30". Very weak blow throughout test. Recovery 90' gas in pipe plus 30' mud with spots of oil. ISIP 82 FP 23-23 23-23 FSIP 23

DST #4 3907-3930' Kinderhook Sand Open 30", shut in 45", open 60", shut in 45". Weak blow building to fair blow. Recovery 180' gas in pipe plus 60' slightly gas cut mud with oil spots ISIP 400 FP 35-35; 35-35 FSIP 105

ORIGINAL

RECOMMENDATIONS AND DISCUSSION

This well as a twin to an old hole which had favorable (non-tested) Mississippian and Kinderhook Sand zones. Both these zones were completely covered by drill stem tests with negative results; consequently the well was plugged and abandoned.



Joseph E. Moreland
Geologist

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