

ORIGINAL

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

API NO. 15- 077-20,482_0001

County HARPER

- C- NE - SE Sec. 11 Twp. 33 Rge. 6 X W

1980 Feet from S N (circle one) Line of Section

660 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 STUCHAL SISTERS OWWO well # 1

Field Name

Producing Formation MISSISSIPPI DOLOMITE

Elevation: Ground 1315 KB 1324

Total Depth 4525' PBDT 4445

Amount of Surface Pipe Set and Cemented at OWWO set @ 261

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan REENTRY 87K 4-16-98
(Data must be collected from the Reserve Pit)

Chloride content 3900 ppm Fluid volume 325 bbls

Dewatering method used: Evaporation and allow to dry restore area to near normal

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

Operator: License # 8061

Name: OIL PRODUCERS, INC. OF KANSAS

Address P.O. BOX 8647

City/State/Zip WICHITA, KANSAS 67208

Purchaser: FARMLAND INDUSTRIES

Operator Contact Person: DIANA RICHECKY

Phone (316) 681-0231

Contractor: Name: DUKE DRILLING CO., INC.

License: 5929

Wellsite Geologist: NONE

Designate Type of Completion

New Well x Re-Entry Workover

Oil SWD SIOW Temp. Abd.
x Gas ENHR SIGW
Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Anadarko Production Co.

Well Name: Flinn "A" #1

Comp. Date 6/12/78 Old Total Depth 4834

RENASARD WELL
Deepening Re-perf. Conv. to Inj/SWD
Plug Back PBDT
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.

02/15/96 02/17/96 03/11/96
Spud Date of REENTRY Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado 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 John S. Weir John S. Weir

Title President Date 3/1/97

Subscribed and sworn to before me this 3rd of March 1997.

Notary Public Diana L. Richecky

Date Commission Expires Jan 12, 2000

DIANA L. RICHECKY
Notary Public - State of Kansas
My Appt. Expires 1/12/2000

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)

Form ACO-1 (7-91)

03-03-1997

RECEIVED
KANSAS CORP COMM

SIDE TWO

Operator Name Oil Producers, Inc. of Kansas Lease Name STUCHAL SISTERS OWWO Well # 1
 Sec. 11 Twp. 33S Rge. 6 East County HARPER West

ORIGINAL

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run (Submit Copy)	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run:	Correlation Cement Bond Log			

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE		8 5/8"		261			
PRODUCTION		4 3/4"	10.5	4500	60 40 POZ	35	
					EA-2	100	W/gas stop

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 shots	see attached completion report		
2	4372' - 4375'	800 GALLONS 15% Fe ACID + 3000 GALLONS 15% SGA ACID	
2	4382' - 4388'	1000 GALLONS 15% Fe ACID + 3000 GALLONS 15% SGA ACID	
2	4396' - 4398'	200 GALLONS 15% Fe ACID + 3000 GALLONS 15% SGA ACID	

3000 GALLONS GELLED H₂O (40 lbs/gal)

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 7/8"	4448.28			

Date of First, Resumed Production, SWD or Inj.		Producing Method		Flowing	Pumping	Gas Lift	Other (Explain)	
3/20/96								
Estimated Production	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	4.57		190					

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, submit ACO-18.) Other (Specify) _____

4372-4375
4382-4388
4396-4398

CUSTOMER COPY



REMIT TO
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
906579	03/08/1997

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
STUCHAL SISTERS 1	HARPER	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
PRATT	DUKE DRILLING #2	CEMENT PRODUCTION CASING	02/16/1997
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
646989	BRAD SIROKY		
SHIPPED VIA			FILE NO.
COMPANY TRUCK			0492

ORIGINAL DIRECT CORRESPONDENCE TO:

OIL PRODUCERS INC. OF KANSAS
C/O MR. BRAD SIROKY
1318 E. FIRST STREET
PRATT, KS 67124

P.O. BOX 428
HAYS, KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE 02-16-96	140 MI		2.85	399.00
		1 UNT			
001-016	CEMENTING CASING	4523 FT		1,765.00	1,765.00
		1 UNT			
594	4 1/2" LATCH DOWN BAFFLE	1 EA		100.00	100.00
801.03734					
593	3-WIPER L-D PLUG - 4 1/2"	1 EA		159.00	159.00
801.0373					
12A	GUIDE SHOE - 4 1/2" BRD THD.	1 EA		95.00	95.00
825.201					
40	CENTRALIZER 4-1/2 X 7-7/8	4 EA		50.00	200.00
806.60004					
314-163	CLAYFIX II	2 GAL		28.00	56.00
018-317	SUPER FLUSH	12 SK		100.00	1,200.00
504-130	CEMENT - 50/50 FOMIX STANDARD	50 SK		7.84	392.00
504-308	CEMENT - STANDARD	100 SK		9.57	957.00
508-291	GILSONITE BULK	500 LB		.40	200.00
509-968	SALT	900 LB		.15	135.00
508-127	CAL SEAL 60	5 SK		25.90	129.50
507-775	HALAD-322	71 LB		7.00	497.00
507-918	GASSTOP	50 LB		33.55	1,677.50
500-207	BULK SERVICE CHARGE	180 CFT		1.35	243.00
500-306	MILEAGE CHTG MAT DEL OR RETURN	544.320 TMI		.95	517.10
000-117	MILEAGE 02-17-96	140 MI		2.85	399.00
		1 UNT			
001-016	PUMP CHARGE 02-17-96	4501 FT		1,765.00	1,765.00
		1 UNT			
314-163	CLAYFIX II	2 GAL		28.00	56.00
018-317	SUPER FLUSH	12 SK		100.00	1,200.00
80	FORM PKR SHOE FLAP ULV 4 1/2"	1 EA		2,968.00	2,968.00
855.128					

***** CONTINUED ON NEXT PAGE *****

TERMS: 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 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 all reasonable attorney's fees, including costs of collection and court costs.

CORRECTED INVOICE
CORR-NO 132247
PAGE 1

CUSTOMER COPY



HALLIBURTON

REMIT TO
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
906579	03/08/1999

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
STUCHAL SISTERS 1		HARPER		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
PRATT	DUKE DRILLING #2	CEMENT PRODUCTION CASING		02/16/1999	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
446969	BRAD SIROKY			COMPANY TRUCK	0492

ORIGINAL

DIRECT CORRESPONDENCE TO:

OIL PRODUCERS INC. OF KANSAS
C/O MR. BRAD SIROKY
1318 E. FIRST STREET
PRATT, KS 67124

P.O. BOX 428
HAYS KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
82	FILL-UP UNIT	1	EA	103.00	103.00
855.02549					
504-130	CEMENT - 50/50 POZMIX STANDARD	50	SK	7.64	392.00
504-308	CEMENT - STANDARD	100	SK	9.57	957.00
508-291	GILSONITE BULK	500	LB	.40	200.00
509-968	SALT	900	LB	.15	155.00
508-127	CAL SEAL 60	45	SK	29.90	129.50
507-775	HALAD-322	71	LB	7.00	497.00
507-918	GASSTOP	50	LB	33.55	1,677.50
500-207	BULK SERVICE CHARGE	180	CFT	1.35	243.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	544.32	TMI	.95	517.10

INVOICE SUBTOTAL

19,961.20

DISCOUNT-(BID)

6,387.58-

INVOICE BID AMOUNT

13,573.62

JOB ADJUSTMENT(S)

13,573.62-

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

80.00

TERMS: 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 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 shall be liable for a fee of 20% of the unpaid amount plus all collecting and court costs.

CORRECTED INVOICE

* CORR-NO 132241

PAGE



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: **Oil Producers Inc of KS**
 ADDRESS:
 CITY, STATE, ZIP CODE:

DUNCAN COPY

TICKET

No. **906579 - 3**

PAGE 1 OF 3

1. Pratt KS	WELL/PROJECT NO. #1	LEASE Stuchal Sisters	COUNTY/PARISH Harper	STATE KS	CITY/OFFSHORE LOCATION	DATE 2-16-96	OWNER Same
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Duke Drlg	RIG NAME/NO. # 2	SHIPPED VIA Huron	DELIVERED TO Loc	ORDER NO.
3.	<input type="checkbox"/> SALES		WELL TYPE 02	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO.	WELL LOCATION Land
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS API # 15077 204 132 0001						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT/	DF		U/M	U/M	PRICE		
000.117		1			MILEAGE 53387 RD TP 2-16-96	140	mi	2	85	399 -
001.016		1			Pump Charge 1 Trk	4523	ft	6	115	1765 -
394	801.03734	1			Latch Down Baffle 8rd	1	ea	4	1/2	100 -
593	801.0373	1			Latch Down Plug 3wiper	1	ea	"	"	159 -
12.A	825.201	1			Guide Shoe	1	ea	"	"	95 -
40	806.60004	1			Centralizers S-4	4	ea	"	"	50 -
314.163		1			Clay-Fix II	2	gal			28 -
018.317		1			Super Flush	500	gal	12	ea	100 -
		1			Bulk Tkt # B-212821					4748 10

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to: **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X [Signature]

DATE SIGNED: **2-16-96** TIME SIGNED: **1639**

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK DEPTH
 BEAN SIZE SPACERS
 TYPE OF EQUALIZING SUB. CASING PRESSURE
 TUBING SIZE TUBING PRESSURE WELL DEPTH
 TREE CONNECTION TYPE VALVE

SURVEY AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	8722 10
FROM CONTINUATION PAGE(S)	11239 10
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	19,961 30
	8722 10

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket:

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) **Brad Siroky** CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) **X** [Signature]

HALLIBURTON OPERATOR/ENGINEER **David L Scott** EMP # **B9475** HALLIBURTON APPROVAL **D L Scott**



TICKET CONTINUATION

DUNCAN COPY

TICKET No. 906579

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER *Oil Producers* WELL *Stuchal Sisters* DATE *2-16-96* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
<i>504-130</i>		<i>1</i>			<i>50/50 Pozmix W2% Gel</i>	<i>50</i>	<i>SKS</i>			<i>7.84</i>	<i>392.00</i>
<i>Loaded on TRK # 4413 - Front</i>											
<i>504-308</i>	<i>516.00261</i>	<i>1</i>			<i>Standard Cement</i>	<i>100</i>	<i>SKS</i>			<i>9.57</i>	<i>957.00</i>
<i>508-291</i>	<i>516.00337</i>	<i>1</i>			<i>Gilsonite Blended 5#</i>	<i>500</i>	<i>lbs</i>			<i>40</i>	<i>200.00</i>
<i>509-968</i>	<i>516.00158</i>	<i>1</i>			<i>Satt Blended 18%</i>	<i>900</i>	<i>lbs</i>			<i>15</i>	<i>135.00</i>
<i>508-127</i>	<i>890.50131</i>	<i>1</i>			<i>Cal Seal Blended 5%</i>	<i>5</i>	<i>SKS</i>			<i>25.90</i>	<i>129.50</i>
<i>507-775</i>	<i>516.00144</i>	<i>1</i>			<i>Halad-322 Blended .75%</i>	<i>171</i>	<i>lbs</i>			<i>7.00</i>	<i>497.00</i>
<i>Loaded on TRK # 4413 - Back</i>											
<i>507-918</i>	<i>516.00344</i>	<i>1</i>			<i>Gasstop on Side 5%</i>	<i>50</i>	<i>lbs</i>			<i>33.55</i>	<i>1677.50</i>
ORIGINAL											
<i>500-207</i>		<i>1</i>			SERVICE CHARGE						
<i>500-306</i>		<i>1</i>			MILEAGE CHARGE						
						TOTAL WEIGHT	<i>15,552</i>	LOADED MILES		<i>70</i>	
						CUBIC FEET	<i>180</i>	TON MILES		<i>544,320</i>	
										<i>1.35</i>	<i>243.00</i>
										<i>95</i>	<i>517.10</i>

No. B 212821

CONTINUATION TOTAL *4748.10*



HALLIBURTON
ENERGY SERVICES

TICKET CONTINUATION

COPY

TICKET No. 906579

FORM 1911R-8

CUSTOMER <u>OLK PRODUCERS</u>	WELL <u>STUCCAL SISTERS #1</u>	DATE <u>2-17-96</u>	PAGE OF <u>3 3</u>
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY. U/M		QTY. U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>504-130</u>		<u>1</u>				<u>50/50 POZMIX W/2% GEM</u>	<u>50</u> <u>SKS</u>		<u>784</u>	<u>39200</u>	
<u>LOADED</u>	<u>ON TRUCK #3249/5621</u>					<u>- FRONT</u>					
<u>504-308</u>	<u>516 00261</u>	<u>1</u>				<u>STANDARD CEMENT</u>	<u>100</u> <u>SKS</u>		<u>957</u>	<u>95700</u>	
<u>508-291</u>	<u>516 00335</u>	<u>1</u>				<u>GILSONITE BLENDED 5#</u>	<u>500</u> <u>LBS</u>		<u>40</u>	<u>20000</u>	
<u>509-918</u>	<u>516 00158</u>	<u>1</u>				<u>SALT BLENDED 18%</u>	<u>900</u> <u>LBS</u>		<u>15</u>	<u>13500</u>	
<u>508-125</u>	<u>890 50131</u>	<u>1</u>				<u>CRACKED BLENDED 5%</u>	<u>5</u> <u>SKS</u>		<u>2590</u>	<u>12950</u>	
<u>507-225</u>	<u>516 00144</u>	<u>1</u>				<u>HANCO-322 BLENDED 75%</u>	<u>51</u> <u>LBS</u>		<u>700</u>	<u>49700</u>	
<u>507-918</u>	<u>516 00344</u>	<u>1</u>				<u>GASSTOP ON SIDE 5%</u>	<u>50</u> <u>LBS</u>		<u>3355</u>	<u>167750</u>	
<u>LOADED</u>	<u>ON TRUCK #3249/5621</u>					<u>- BACK</u>					
<u>000-117</u>		<u>1</u>				<u>MILEAGE 2-17-96</u>	<u>140</u> <u>MI</u>	<u>1</u> <u>WHT</u>	<u>285</u>	<u>39900</u>	
<u>001-016</u>		<u>1</u>				<u>PUMP CHARGE 2-17-96</u>	<u>4500</u> <u>FT</u>	<u>1</u> <u>WHT</u>		<u>176500</u>	
<u>314-163</u>		<u>1</u>				<u>CAO FLX II</u>	<u>2</u> <u>GM</u>		<u>2800</u>	<u>5600</u>	
<u>018-317</u>		<u>1</u>				<u>SUPEREMULSII</u>	<u>500</u> <u>GM</u>	<u>12</u> <u>SKS</u>	<u>10000</u>	<u>120000</u>	
<u>80</u>	<u>855 128</u>	<u>1</u>				<u>FORMATION PWR SHOE</u>	<u>1</u> <u>EA</u>	<u>4 1/2</u> <u>IN</u>		<u>296800</u>	
<u>82</u>	<u>855 02549</u>	<u>1</u>				<u>FIX UP</u>	<u>1</u> <u>EA</u>	<u>"</u> <u>"</u>		<u>10300</u>	
<u>500-205</u>		<u>1</u>				SERVICE CHARGE					
<u>500-206</u>		<u>1</u>				MILEAGE CHARGE					
						TOTAL WEIGHT					
						LOADED MILES					
						CUBIC FEET					
						TON MILES					
							<u>180</u>		<u>135</u>	<u>24300</u>	
							<u>544.32</u>		<u>85</u>	<u>51710</u>	

ORIGINAL

CONTINUATION TOTAL



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Mid Cont
Pratt KS

BILLED ON TICKET NO. 906579

WELL DATA

FIELD _____ SEC 11 TWP 33 RNG 6 COUNTY Harper STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4	10.5	4 1/2	KB	4523	
LINER						
TUBING						
OPEN HOLE			7 7/8	4523	4562	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>5-4</u>	<u>4</u>	<u>Howco</u>
BOTTOM PLUG		
TOP PLUG <u>3-Wiper L.D.</u>	<u>1</u>	<u>"</u>
HEAD <u>manifold</u>	<u>1</u>	<u>"</u>
PACKER <u>L.D. Baffle</u>	<u>1</u>	<u>"</u>
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2.16</u>	DATE <u>2.16</u>	DATE <u>2.16</u>	DATE <u>2.16</u>
TIME <u>1400</u>	TIME <u>1630</u>	TIME <u>2147</u>	TIME <u>2300</u>

ORIGINAL

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D Scott</u>	<u>B9475</u>	<u>40002</u>
	<u>PI4</u>	<u>Pratt KS</u>
<u>C Nixon</u>	<u>H1660</u>	<u>53387</u>
	<u>Comb</u>	<u>" "</u>
<u>K Nash</u>	<u>H1889</u>	<u>4413</u>
	<u>Bulk</u>	<u>" "</u>
<u>M. Zalyard</u>	<u>714</u>	<u>7247</u>
	<u>50141</u>	<u>38423</u>
<u>T. Seiza</u>	<u>61622</u>	<u>Comb</u>
	<u>52504</u>	<u>" "</u>
<u>M. Stedman</u>	<u>H3135</u>	<u>Bulk</u>
	<u>50018-5621</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 2 gal Phay-Fix II

OTHER _____

DEPARTMENT Cont

DESCRIPTION OF JOB 4 1/2 Prod String

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

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR D Scott COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>Lead</u>	<u>35</u>	<u>50-50</u>	<u>Poz</u>	<u>B</u>	<u>28 Total Gel</u>	<u>1.32</u>	<u>13.9</u>
<u>Lead</u>	<u>100</u>	<u>EA-2</u>	<u>Standard</u>	<u>B</u>	<u>58 (61.5 gal) 18% Salt, 75% Water - 32.25%</u>	<u>1.38</u>	<u>15.2</u>
<u>Ret Hole</u>	<u>15</u>	<u>50-50</u>	<u>Poz</u>	<u>B</u>	<u>2% Total Gel</u>	<u>1.32</u>	<u>13.9</u>
<u>Tail</u>	<u>50</u>	<u>EA-2</u>	<u>Standard</u>	<u>B</u>	<u>Same as Above EA-2 4.5% Gel Stop</u>	<u>1.38</u>	<u>15.2</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT 2500

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 37.56 REASON Baffle

SUMMARY

VOLUMES

PRESLUSH: 20 x 12 GAL TYPE 120 x Super Flush

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

TREATMENT: BBL.-GAL. _____ DISPL: 71.3 GAL

CEMENT SLURRY: 11.7 + 240 = 38.7 GAL

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

See Job Log

FIELD OFFICE

CUSTOMER: D.I. Producers of KS Inc
LEASE: Stuchal Sisters
WELL NO: #1
JOB TYPE: 4 1/2 Prod String
DATE: 2.16.96

JOB LOG HAL-2013-C

 CUSTOMER **Oil Producers of KS** WELL NO. **#1** LEASE **Stuchal Sisters** JOB TYPE **4 1/2 Prod String** TICKET NO. **906579**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
#1	1400							Called Out
	1630							On Loc w/F.E.
	1730							Trks on Loc Safety mtg
	1930							Run F.E. + Csg
								Csg on Bottom Break Circ w/Rig
	2147	6	20				400	Pump H ₂ O Preflush w/2% Clay-Fix II
	2149	6	12				400	Pump Super Flush
	2152	6	5				350	Pump H ₂ O Spacer
	2202	2	3.4					Plug Rat Hole w/5sks Lead Cmt
	2205	5					450	St mixing Lead Cmt @ 13.9ppg
	2208	5	8.1				450	St mixing Tail Cmt @ 15.2ppg
	2213	5	12				500	St mixing Tail Cmt w/.5% Gas Stop 4' H ₂ O In Tank per Tool push HT-400 missing Stroke
								Rig pumping H ₂ O In Tank
	2218	5	32.7				5	Finish mixing Cmt
	2221						5	Close In manifold
	2222	5	10					Wash pump + line
	2224							Release Swiper latch Down Plug
	2226	7					100	St Disp w/H ₂ O - Rig H ₂ O pump not keeping up w/Howco
	2239	4	30				5	30 Bbl's Disp Pumped No Circ - HT-400 Hammering
	2245	4	50				5	50 Bbl's Disp Pumped By Tank Guage
	2250	4	71.3				5	Pumped Csg Volume - Continue pumping per Co. Rep No Circ
	2252	5	84				5	Pump Total 84 Bbl's By Tank Guage No psi Shut Down No mud Circulation wait on Order's from Rep Rig Down Plug Container + manifold Couldnt see H ₂ O Level In Csg Lay Downed 3 Jt Csg no Fluid St Laying Down Csg 4th Jt wet Released By Co man

ORIGINAL



JOB LOG HAL-2013-C

DATE: 2-16-96 PAGE NO: 2

CUSTOMER: Oil Prod of KS Inc WELL NO: #1 LEASE: Stuchal Sister's JOB TYPE: 4 1/2 Prod string TICKET NO: 906579

CHART NO. TIME RATE (BPM) VOLUME (BBL) (GAL) PUMPS T C PRESSURE (PSI) TUBING CASING DESCRIPTION OF OPERATION AND MATERIALS

#2
Layed Down Csg to 7 1/8 Jt
3wiper Latch Down Plug In Csg
Cmt Belowe Plug
Cmt wouldnt fall out of Csg
Finish Laying Down Csg

ORIGINAL

TD = 4562 7 7/8 Hole
Total pipe w/landing Jt = 4523'
Shoe Jt = 37.56'
Csg Contained 44 Bbls H2O+-
Csg Contained 28 Bbls Cmt In Pipe
7 2 Bbls Total+-

Job Complete
Thank you
D. Scott

JOB LOG HAL-2013-C

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Oil Prod. of Ks	1	STUCIAL SISTERS	CGMGT	906579

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							MAILED OUT RECOMMIT L/S.
	1700							ON LOCATION
	1845							RIG LAYING DOWN D.P. READY TO START C&G. 4500.43' w/land st. 24' shoe st.
								PACKER SHOE, LATCH DOWN C&G, REUSE 4 CENTRALIZER ON COLLAR 1-3-5-7
	2020							BREAK CIRC. RIG PUMP MIX PRE FLUSHES ON TRK. STOP C&G (RIG) SWITCH OVER TO TRK DROP BALL TO SET PACKER SHOE LOAD LATCH DOWN PUMP
2	2108	3	0			175		WAIT 5 min. START PRE-FLUSH
	2128					1500		SET PACKER SHOE
		6				356 ^{AVG.}		FINISH PUMPING CLAYFIX II H ₂ O SPACER
			20					SUPER FLUSH
			23					SPACER
	2137		38					SHUT DOWN START MIXING C&G.
	2142		3					PLUG RATHOLE
	2147	6				250 ^{AVG.}		PUMP C&G DOWN C&G. CAS STOP BLENDING IN LAST 50 SEC (12 BBS)
	2157		34.69					SHUT DOWN SHUT IN WELL
	2159		3					FLUSH LINES
	2201	6	0			156		RELEASE PLUG START DISP.
		7 1/2	2			256		RATE
		4	20					RATE (SUPER FLUSH READY TO BE AROUND)
		7	46			300		RATE (TAIL C&G. READY TO START AROUND B&G)
		3	68			600		RATE
	2214		71.17			800		PLUG DOWN (53 min. TOTAL PUMP TIME)
	2215					1200		PSI TO SEAT PLUG
	2217					0		RELEASE & HOLD WASH UP TRK. PACK UP
	2300							JOB COMP. T.D. 4562 T.P. 4500.43 SHOE ST. 24'

ORIGINAL

ORIGINAL

OIL PRODUCERS INC. OF KS.
INITIAL COMPLETION REPORT

WELL - STUCHAL SISTERS OWWO

LEGAL - C-NE/SE OF 11-33s-6w IN HARPER CO. KS.

API# - 15-077-20,482,0001

K.R. - 9' ABOVE G.L. (DUKE RIG #2 WASH DOWN RIG)

G.L. - 1315'

SURFACE CSN - 8 5/8" @ 261'

RTD - 4834' (ORIGINAL 6/28/78), WASHED DOWN TO 4525'.

PRODUCTION - 4 1/2", 10.5# @ 4500.43' WITH 100 SX.

PBITD - 4445' (ELI 3/2/96) 4472' (BY TBG TALLY 3/7/96)

TOP OF CEMENT - 4090' WITH EXCELLENT CEMENT BONDING.

PERFORATIONS - MISS DOLO---4372'-4375' 2/FT. 3/2/96

MISS DOLO---4382'-4388' 2/FT. 3/2/96

MISS DOLO---4396'-4398' 2/FT. 3/2/96

TUBING RAN - 15' X 2 7/8" MA, SN, 1 JT. 2 7/8", BAIRD HANGER SWAGE,
142 JTS. USED T&D TBG (4393.80')

TUBING SET @ - 4448.28' (SET 24' OFF BOTTOM 3/7/96)

AVER TBG JT. - 30.94'

PUMP RAN - 2 1/2" X 2" X 14' RWTC W/6' GAS ANCHOR.

RODS RAN - PUMP, 175-3/4", 8', 8', 2', 1 1/4" X 16' POLISHED ROD.

PUMP SET @ - 4433.15'

PUMPING UNIT - FAIRFIELD MANUFACTURING 114-D, RATIO 30.06:1, SERIAL # 00167

ENGINE - CONTINENTAL C-66

TANK BATTERY - CE NATCO 4' X 20', 50# W.P., HEATER TREATER, S.N. 9A61101-17
2 - CE NATCO 10' X 15' 210 BBL STEEL STOCK TANKS.

3/2/96

KIOWA WELL SERVICE ON LOCATION, RIGGED UP D-D DERRICK.
ELI WIRELINE ON LOCATION TO RUN CORRELATION & BOND LOG.
FOUND TOTAL DEPTH - 4445' (THIS IS 31' HIGH TO TOP OF INSERT 4476')
FOUND TOP OF CEMENT - 4090' WITH EXCELLENT CEMENT BONDING.
KIOWA SWABBED WELL DOWN TO 4000'.

RECEIVED
KANSAS CORP COMM
MAR - 3 - 1997
P 1:58

3/2/96 CONT.

ELI RIGGED TO PERFORATE PROPOSED INTERVALS IN MISSISSIPPI DOLOMITE.
PERFORATED: MISS DOLO—4372'-4375' WITH 2 SHOTS/FT.
MISS DOLO—4382'-4388' WITH 2 SHOTS/FT.
MISS DOLO—4396'-4398' WITH 2 SHOTS/FT.
ELI RIGGED DOWN & MOVED OFF LOCATION.

KIOWA SWABBED WELL DOWN TO PBD 4445'.
1-15 MINUTE NATURAL TEST - RECOVERED 20' WATER.
SHUT DOWN FOR THE WEEKEND.

3/4/96

SICP - 280 psi (NATURAL)
HALLIBURTON ON LOCATION WITH STRADDLE TOOLS.
RIH - WITH 4 1/2" STRADDLE TOOLS (PPI TOOL SPACED OUT 12") AND TBG.

STRADDLE MISS PERFS 4396'-98'

HALLIBURTON ON LOCATION TO ACIDIZE MISS PERFS 4396'-98' WITH 200 GALS
15% FE ACID.

ACIDIZE MISS PERFS 4396'-98' AS FOLLOWS:

SPOT 200 GALS 15% FE ACID.
LOAD TBG WITH FIELD BRINE.
PRESSURE SLOWLY TO 600 psi BROKE BACK SLOWLY.
ACID STARTED FEEDING @ 1/4 BPM 500# TO 200#.
INCREASE RATE TO 3/4 BPM - 400 psi TO 0 psi.
NOTE: - WITH APPROX 100 GALS DISPLACED WE COMMUNICATED WITH
UPPER PERFS)
ISIP - VAC, TIL LOAD - 22 BBLs.

STRADDLE MISS PERFS 4382'-88' WITH TOOLS.

RIG TO ACIDIZE MISS PERFS 4382'-88' W/1000 GALS 15% FE ACID.

ACIDIZED MISS PERFS 4382'-88' AS FOLLOWS:

PUMP 1000 GALS 15% FE ACID. HOLE LOADED FEEDING 1 BPM - 350 psi.
DISPLACED ACID @ 1 BPM - 350 psi TO 150 psi.
ISIP - VAC - TIL LOAD - 41 BBLs.

STRADDLE MISS PERFS 4372'-75' WITH TOOLS.

RIG TO ACIDIZE MISS PERFS 4372'-75' WITH 300 GALS 15% FE ACID.

ACIDIZED MISS PERFS 4372'-75' AS FOLLOWS:

PUMP 300 GALS 15% FE ACID.
LOAD TBG WITH FIELD BRINE.
DISPLACED @ 1 BPM - 150 psi
NOTE: - 4372'-75' AND 4382'-88' MOST LIKELY COMMUNICATED.
ISIP - VAC, TIL LOAD - 24 BBLs

RIGGED TO PULL TBG & WELL. KICKED OFF FLOWING ON ANNULUS.
PUMP 30 BBLs FIELD BRINE TO KEEP WELL QUIET.
POOH - WITH TBG & TOOLS.

ORIGINAL

3/4/96 CONT.

RIGGED TO SWAB TEST ALL MISS ZONES VIA 4 1/2" CASING SWAB.

SWAB TEST ALL MISS PERFS AS FOLLOWS:

SWAB WELL DOWN, RECOVER 106 BBLs, GOOD SHOW OF OIL & GAS.

1/2 HR. TEST - RECOVERED 13.36 BBLs, 18% OIL, 59 MCFPD GAS BLOW.

1/2 HR. TEST - RECOVERED 13.36 BBLs, 20% OIL, 72 MCFPD GAS BLOW.

SHUT DOWN FOR THE NIGHT.

3/5/96

SICP - 680 psi, FLUID LEVEL - 1700' DOWN, FREE OIL - 300', OIL% - 11%.

SBHP - 1969 psi, (THIS IS MOST LIKELY OPTIMISTIC, AS WE EXPERIENCED FLUID FILL-UP WHILE BLOWING WELL DOWN.)

CONTINUE SWAB TESTING ALL MISS PERFS AS FOLLOWS:

TIME	MADE	TTL	OIL%	MCF	REMARKS
9:00	65.13	197.85	10%	70	WELL SWAB DOWN.
9:30	7.52	205.37	16%	79	1-1/2 HR. TEST.
10:00	9.18	214.55	11%	80	1-1/2 HR. TEST.
10:30	9.18	223.73	9%	79	1-1/2 HR. TEST.
11:00	10.02	233.75	10%	76	1-1/2 HR. TEST.
11:30	8.35	242.10	10%	76	1-1/2 HR. TEST.
12:00	8.35	250.45	12%	76	1-1/2 HR. TEST.
12:30	6.68	257.13	13%	83	1-1/2 HR. TEST.
1:00	8.35	265.48	13%	81	1-1/2 HR. TEST.
1:30	6.68	272.16	15%	79	1-1/2 HR. TEST.
2:00	6.68	278.84	11%	79	1-1/2 HR. TEST.
2:30	8.35	287.19	16%	80	1-1/2 HR. TEST.

HALLIBURTON ON LOCATION TO RE-ACIDIZE ALL MISS PERFS WITH 3000 GALS 15% SGA ACID AND 3000 GALS 40# GELLED WATER.

RE-ACIDIZED ALL MISS PERFS AS FOLLOWS:

PUMP 1000 GALS 15% SGA ACID - 5 BPM - 0 psi
PUMP 1000 GALS 40# GELLED WATER - 5 BPM - 0 psi
PUMP 1000 GALS 15% SGA ACID - 3 BPM - 100 psi.
PUMP 1000 GALS 40# GELLED WATER - 3 BPM - 100 psi.
PUMP 1000 GALS 15% SGA ACID - 3 BPM - 125 psi.
PUMP 1000 GALS 40# GELLED WATER - 3 BPM - 100 psi TO 25 psi.
FLUSH WITH 70 BBLs FIELD BRINE @ 5 BPM - 50 psi.
ISIP - VAC, TOTAL LOAD - 220 BBLs.

KIOWA WELL RIGGED TO SWAB BACK ACID LOAD AFTER WAITING 1 HR FOR ACID TO SPEND.

SWAB TEST AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 900' FROM SURFACE.

SWABBED BACK 90 BBLs TTL FOR THE DAY, FLUID LEVEL @ 2200' DOWN.

SHUT DOWN FOR THE DAY.

3/6/96

SICP - 620 psi, FLUID LEVEL - 1700' FROM SURFACE, FREE OIL - 500', OIL% - 18%.

SBHP - CALCULATES 1742 psi. (THIS SHOULD BE AN ACCURATE PRESSURE)

CONT NEXT PAGE.

3/6/96 CONT

CONTINUE SWAB TESTING AFTER ACID AS FOLLOWS:

TIME	MADE	TOTAL	OIL%	MCF/D	REMARKS
9:00	53.00	143.00	27%	198	SWAB DN. FLOWING.
10:00	20.04	163.04	21%	177	FLOW W/I RUN.
11:00	16.70	179.74	20%	189	FLOW W/I RUN.

SHUT DOWN FOR THE DAY DUE TO EXTREME HIGH WINDS.

3/7/96

SICP - 820 psi, FLUID LEVEL - N/A

BLEW WELL DOWN & STARTED FLOWING.

GREAT PLAINS ON LOCATION. PUMP 40 BBL/S FIELD BRINE TO KEEP WELL QUIET.
RIG TO RUN PRODUCTION TUBING FROM OPTIK STOCK MILLER #1.

RAN TUBING AS FOLLOWS:

MUD ANCHOR X 2 7/8"	15.13'
SEATING NIPPLE X 2 7/8"	1.10'
1 JT. USED TESTED 2 7/8" (WITH PUMP INSIDE)	31.50'
2 7/8" X 2 3/8" HANGER SWAGE	.75'
142 JTS. 2 3/8" TBG (USED T&D)	4393.80'
K.B. (9' < 3' ABOVE G.L.)	6.00'
<u>TUBING SET @</u>	4448.28'
SEATING NIPPLE SET @	4433.15'

TAGGED TOTAL DEPTH (BY TBG TALLY @ 4472') PICK UP & SET TBG 24' OFF BOTTOM.

RIG TO RUN RE-BUILT PUMP & RODS. (RODS FROM OPTIK MILLER LEASE)

RAN RODS AS FOLLOWS:

2 1/2" X 2" X 14' RWTC (WITH 6' GAS ANCHOR)	14.00'
BAIRD ON-OFF TOOL	.75'
175-3/4" RODS (USED)	4375.00'
8, 8, 2' X 3/4" ROD SUBS	18.00'
1 1/4" X 16' POLISHED ROD (WITH 6' LINER)	16.00'
<u>PUMP SET @</u>	4433.15'

NOTE: - WELL KICKED OFF FLOWING 3 TIMES WHILE RUNNING TBG & RODS
GREAT PLAINS WAS STANDING BY TO KEEP WELL QUIET.

KIOWA WELL SERVICE RIGGED DOWN & MOVED OFF LOCATION.

MILLER OILFIELD SERVICE WAS ON LOCATION DURING THE DAY SETTING THE
TANK BATTERY PURCHASED THROUGH JAYHAWK OILFIELD SUPPLY.
SET TANK BATTERY - CE NATCO 4' X 20' HEATER TREATER.
2 - 10' X 15' 210 BBL STEEL STOCK TANKS.

SET FAIRFIELD MANUFACTURING PUMPING UNIT - D114, RATIO 30.06:1,
SERIAL # 00167.

WILL LAY LEAD LINE SWD LINE AND GAS SALES LINE 3/11/96 AND PUT WELL IN
SERVICE.

END OF REPORT
BRAD SIROKY