

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

API NO. 15- 129-215990000

County Morton
C SE SW SE Sec. 5 Twp. 32S Rge. 40 X E
W

Operator: License # 32468

330 Feet from S/N (circle one) Line of Section

Name: Pioneer Oil Company

1650 Feet from E/W (circle one) Line of Section

Address R.R. #4 Box 142B

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

City/State/Zip Lawrenceville, IL 62439

Lease Name Hall Well # 1-155

Purchaser: _____

Field Name Wildcat

Operator Contact Person: George A. Payne

Producing Formation _____

Phone (812) 853-3813

Elevation: Ground 3,325 ft KB 3,335 ft

Contractor: Name: Big A Drilling

Total Depth 5,600 ft PBTD n/a

License: 31572

Amount of Surface Pipe Set and Cemented at 1,600 Feet

Wellsite Geologist: Jon Christensen

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

X New Well _____ Re-Entry _____ Workover _____

If yes, show depth set _____ Feet

Oil _____ SWD _____ SLOW _____ Temp. Abd.

If Alternate II completion, cement circulated from _____

Gas _____ ENHR _____ SIGW _____

feet depth to _____ w/ _____ sx cmt.

X Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan ACT 1 DIA 3-12-01
(Data must be collected from the Reserve Pit)

If Workover:

Operator: _____

Chloride content 700 ppm Fluid volume 800 bbls

Well Name: _____

Dewatering method used Evaporation

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

Deepening _____ Re-perf. _____ Conv. to Inj/SWD _____

Operator Name _____

Plug Back _____ PBTD _____

Commingled _____ Docket No. _____

Lease Name _____ License No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

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

1/14/00 1/27/00 1/27/00

County _____ Docket No. _____

Spud Date _____ Date Reached TD _____ Completion Date _____

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 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 George A. Payne

Title Petroleum Engineer Date 3/9/00

Subscribed and sworn to before me this 9 day of March, 2000

Notary Public Belenia D. Mu...

Date Commission Expires June 26, 01

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input type="checkbox"/> KCC	<input type="checkbox"/> SMD/Rep	<input type="checkbox"/> KGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other (Specify)

Operator Name Pioneer Oil Company

Lease Name Hall

Well # 1-155

Sec. 5 Twp. 32S Rge. 40

East
 West

County Morton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:

Dual Induction, Neutron, density, Pe, microlog

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Wabaunsee	2910	+425
Topeka	3151	+184
Heebner Shale	3606	-271
Lansing	3714	-379
Base Kansas City	4321	-986
Marmaton	4341	-1006
13 Finger Limestone	4836	-1501
Morrow Shale	4959	-1624
Morrow Marine #1 SS	5259	-1924
Morrow Marine #2 SS	5347	-2012
St. Genevieve	5424	-2089
St. Louis	5488	-2153

CASING RECORD

New 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"	24#	1,600'	Midcon & H	480	

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
	STATE CORPORATION COMMISSION		
	MAR 13 2000		
	CONSERVATION DIVISION Wichita, Kansas		

TUBING RECORD	Size	Set At	Packer 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: _____



Halliburton Energy Services, Inc.

SOLD TO

PIONEER OIL CO
 ROUTE #4 BOX 142B
 LAWRENCEVILLE IL 62439
 USA

SHIP TO

WELL OPERATOR
 PIONEER OIL CO. HALL #1-155, MORTON
 LEASE NAME / OFFSHORE AREA
 HALL
 WELL NUMBER
 #1-155
 WELL PERMIT NO.
 SEC 5 - 32S - 40W
 ADDRESS
 *
 CITY, STATE, ZIP CODE
 RICHFIELD KS 67953 US

ORIGINAL

TICKET TYPE	COMPANY CODE	HALLIBURTON ORDER NO.
Services	1100	405000
CUSTOMER P.O. NO.	JOB DATE	PRIMARY SERVICE LOC.
N/A	01/27/2000	Liberal, KS, USA

SALES OFFICE	WELL TYPE	WELL CATEGORY	RIG NAME / NO.
Mid-Continent BD	Oil	Development	PIONEER OIL CO

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
10	7528	PSL-CMT Plug to Abandon-BOM Liberal, KS, USA Hwy 54 West JPI15	1.00	JOB	0.00	0.00
20	1	MILEAGE FROM NEAREST HES BASE,/UNIT,ZI Liberal, KS, USA Hwy 54 West	55	MI	4.05	222.75
			55	MI	1.42-	77.96-
			55	MI	2.63	144.79
		000-117 With the following configuration: Number of Units		1 unit		
30	2	MILEAGE FOR CEMENTING CREW,ZI Liberal, KS, USA Hwy 54 West	55	MI	2.38	130.90
			55	MI	0.83-	45.82-
			55	MI	1.55	85.08
		000-119 With the following configuration: Number of Units		1 unit		

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 CONSERVATION DIVISION
 Wichita, Kansas

INVOICE INSTRUCTIONS	
PAYMENT TERMS	HALLIBURTON APPROVAL
Net due in 20 days	
HALLIBURTON OPERATOR / ENGINEER	CUSTOMER SIGNATURE D. Bell

TOTAL FROM THIS PAGE	229.87
TOTAL FROM NEXT PAGE(S)	5,168.51
SUBTOTAL	5,398.38
TAXES	360.75
GRAND TOTAL	5,759.13
	US Dollars

ORIGINAL



ORIGINAL

Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION	QTY.	UNIT	UNIT PRICE	AMOUNT
40	19	PLUGGING DEPTH CHARGE				
		Liberal, KS, USA Hwy 54 West	1.00	UN	2,238.00	2,238.00
			1.00	UN	783.30-	783.30-
			1.00	UN	1,454.70	1,454.70
		009-019				
		With the following configuration:				
		CHARGE BY FT OR RANGE OF FEET	3,100	ft		
50	22	ADDITIONAL HOURS (PUMPING EQUIPMENT)				
		Liberal, KS, USA Hwy 54 West	2.000	H	410.00	820.00
			2.000	H	143.50-	287.00-
			2.000	H	266.50	533.00
		009-027				
		With the following configuration:				
		Number of Units	1	unit		
60	132	PORTABLE DAS,/DAY/JOB,ZI				
		Liberal, KS, USA Hwy 54 West	1.00	JOB	829.00	829.00
			1.00	JOB	290.15-	290.15-
			1.00	JOB	538.85	538.85
		045-050				
		With the following configuration:				
		NUMBER OF DAYS	1	Days		
70	7	ENVIRONMENTAL SURCHARGE,/JOB,ZI				
		Liberal, KS, USA Hwy 54 West	1.00	JOB	60.00	60.00
		000-150				
80	15075	SBM 40/60 POZ PREMIUM				
		Hugoton, KS, USA	225.00	SK	11.35	2,553.75
			225.00	SK	3.97-	893.81-
			225.00	SK	7.38	1,659.94
		504-137				
120	100003682	CHEM, BENTONITE, HALGEL (BULK)				
		Hugoton, KS, USA	8.00	SK	24.34	194.72
			8.00	SK	8.52-	68.15-
			8.00	SK	15.82	126.57

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CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL



ORIGINAL

Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
		506-121516.00259 CHEMICAL - BENTONITE - HALLIBURTON GEL BULK				
130	3965	HANDLE&DUMP SVC CIIRG, CMT&ADDITIVES,ZI				
	Hugoton, KS, USA		249.00	CF	1.76	438.24
			249.00	CF	0.62-	153.38-
			249.00	CF	1.14	284.86
		500-207				
		With the following configuration:				
		NUMBER OF EACH		1	each	
140	3975	MILEAGE,CMTG MTLs DEL/RETURNED,ZI				
	Hugoton, KS, USA		565.130	TMI	1.39	785.53
			565.130	TMI	0.49-	274.94-
			565.130	TMI	0.90	510.59
		500-306				
		With the following configuration:				
		NUMBER OF TONS		1.00	ton	
		INVOICE AMOUNT				5,398.38
		Sales Tax - State				264.50
		Sales Tax - County				42.25
		Sales Tax - City/Loc				54.00
		INVOICE TOTAL				5,759.13
						US Dollars

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CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

REG ON North America	NWA/COUNTRY Mid Continent	BDA / STATE KS	COUNTY Morton
MRUID EMP # MCH10101 106322	EMPLOYEE NAME D. McLane	PSL DEPARTMENT ZI	ORIGINAL
LOCATION Liberal	COMPANY Pioneer Oil Co	CUSTOMER REP PHONE	
TICKET AMOUNT 3759.13	WELL TYPE 01	API / UWI #	
WELL LOCATION N Rolle	DEPARTMENT ZI	JOB PURPOSE CODE 115	
LEASE / WELL # Hall 1-155	SEC / TWP / RNG 5 32S 40W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
D. McLane 106322 10			
S. Tate 105953 10			
R. Ferguson 106134 10			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420995	55						
54038-77941	55						
54029-6610	55						

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 CONSERVATION DIVISION
 Wichita, Kansas

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
1-27-00	0200	0630	041	1530

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing					
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.	4	16.6	4 1/2	KB	3100
Open Hole					SHOTS/FT
Perforations					
Perforations					
Perforations					

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				See Job Log

ORDERED	HYDRAULIC HORSEPOWER Avail.	Used
TREATED	AVERAGE RATES IN BPM	Disp.
FEET	CEMENT LEFT IN PIPE	Reason

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	225	40/60 Poz	0	6% Gc1	1.53	13.5

Circulating Breakdown	Displacement Maximum	Preflush: Gal - BBI	Type
Average	Frac Gradient	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Shut In: Instant	5 Min 15 Min	Treatment Gal - BBI	Disp: BBI - Gal
		Cement Slurr Gal - BBI	
		Total Volume Gal - BBI	

REGION North America	NWA/COUNTRY	BDA / STATE	COUNTY
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	ORIGINAL
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT 5759.13	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
LEASE / WELL #	SEC / TWP / RNG		

REG EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
	10		
	10		
	10		

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0700							Called for Job
	0650							on location Setup pump truck rig running in
	0715							D.P. Hold Safety meeting
	0730							D.P. on bottom
								Hook up so rig could Circulate hole
								Rig thru Circulating
								Hook up to pump truck
								Job Purpose for Plug @ 3100'
	1041			✓		9300		Pressure test lines
	1042	6	10	✓		9200		Start Fresh water Ahead
	1045	6	27	✓		900		Start Cement @ 13.5 #
	1049	6	3.5	✓		150		Start Fresh water behind
	1050	6	33.5	✓		150/50		Start mud Displacement
	1056					50/6		Shut down & knock loose
	1058							D.P. Pulled Dry
								lay down D.P. to 1630'
	1150	6	100	✓		9150		Circulate hole with Fresh water
	1210	6	13.5	✓		100		Start Cement @ 13.5 #
	1214	6	19.5	✓		100/75		Start Fresh water Displacement
	1223					75/0		Shut down & knock loose
								D.P. Pulled Dry
								lay down D.P. to 450'
	1301	5.5	10	✓		0/40		Circulate hole with Fresh water
	1303	5.5	10.5	✓		40		Start Cement @ 13.5 #
	1305	5.5	3.5	✓		40		Start Fresh water Displacement
	1307			✓		0		Shut down & knock loose
								D.P. Pulled Dry
								lay down D.P. & Nipple down a B.O.?
	1510	3	2.5					Plug to 401
	1515	3	4					Plug rest hole
	1520	3	2.5					Plug mouse hole

Thank You For Calling Halliburton

Danny & Sonny & Crew



Halliburton Energy Services, Inc.

SOLD TO

*ABS
#4*

PIONEER OIL CO
ROUTE #4 BOX 142B
LAWRENCEVILLE IL 62439
USA

SHIP TO

WELL OPERATOR
PIONEER OIL CO. HALL #1-155, MORTON
LEASE NAME / OFFSHORE AREA
HALL
WELL NUMBER
#1-155
WELL PERMIT NO.
SEC 5 - 32S - 40W
ADDRESS
*
CITY, STATE, ZIP CODE
RICHFIELD KS 67953 US

ORIGINAL

TICKET TYPE	COMPANY CODE	HALLIBURTON ORDER NO.
Integrated Solutions	1100	386055
CUSTOMER P.O. NO.	JOB DATE	PRIMARY SERVICE LOC.
n/a	01/15/2000	Liberal, KS, USA

SALES OFFICE	WELL TYPE	WELL CATEGORY	RIG NAME / NO.
Mid-Continent BD	Oil	Development	PIONEER OIL CO

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
10	7521	PSL-CMT Cement Surface Casing-BOM	1.00	JOB	0.00	0.00
		Liberal, KS, USA Hwy 54 West				
		JP010				
20	1	MILEAGE FROM NEAREST HES BASE,/UNIT,ZI	55	MI	4.05	222.75
		Liberal, KS, USA Hwy 54 West	55	MI	2.19-	120.29-
			55	MI	1.86	102.46
		000-117				
		With the following configuration:				
		Number of Units	1	unit		
30	2	MILEAGE FOR CEMENTING CREW,ZI	55	MI	2.38	130.90
		Liberal, KS, USA Hwy 54 West	55	MI	1.29-	70.69-
			55	MI	1.09	60.21
		000-119				
		With the following configuration:				
		Number of Units	1	unit		

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INVOICE INSTRUCTIONS	MAR 13 2000	
PAYMENT TERMS	CONSERVATION DIVISION Wichita, Kansas	HALLIBURTON APPROVAL
Net due in 20 days		
HALLIBURTON OPERATOR / ENGINEER	CUSTOMER SIGNATURE	
<i>Nick Karabe</i>	<i>x D. Bell</i>	

TOTAL FROM THIS PAGE	162.67
TOTAL FROM NEXT PAGE(S)	7,372.82
SUBTOTAL	7,535.49
TAXES	371.50
GRAND TOTAL	7,906.99
	US Dollars

ORIGINAL



ORIGINAL

Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
40	11	CEMENT CASING DEPTH CHARGE				
		Liberal, KS, USA Hwy 54 West	1.00	UN	1,778.00	1,778.00
			1.00	UN	960.12-	960.12-
			1.00	UN	817.88	817.88
		001-016				
		With the following configuration:				
		CHARGE BY FT OR RANGE OF FEET	1,500	ft		
50	132	PORTABLE DAS,/DAY/JOB,ZI				
		Liberal, KS, USA Hwy 54 West	1.00	JOB	829.00	829.00
			1.00	JOB	447.66-	447.66-
			1.00	JOB	381.34	381.34
		045-050				
		With the following configuration:				
		NUMBER OF DAYS	1	Days		
60	100003163	PLUG-CMTG-TOP PLASTIC-8-5/8				
		Liberal, KS, USA Hwy 54 West	1.00	EA	152.00	152.00
			1.00	EA	82.08-	82.08-
			1.00	EA	69.92	69.92
		402.15781				
		PLUG - CMTG - TOP PLASTIC - 8-5/8				
		24-49#				
70	100004727	SHOE - GUIDE - 8-5/8 8RD				
		Liberal, KS, USA Hwy 54 West	1.00	EA	238.00	238.00
			1.00	EA	128.52-	128.52-
			1.00	EA	109.48	109.48
		12A825.217				
		SHOE - GUIDE - 8-5/8 8RD				
80	100004702	VALVE ASSY-INSERT FLOAT-8-5/8				
		Liberal, KS, USA Hwy 54 West	1.00	EA	207.00	207.00
			1.00	EA	111.78-	111.78-
			1.00	EA	95.22	95.22
		24A- 815.19502				
		VALVE ASSY - INSERT FLOAT - 8-5/8 8RD				
		CSG 24#				

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Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
90	100013933 Liberal, KS, USA Hwy 54 West	FILLUP ASSY - 1.500 ID - 7 IN. - 8-5/8	1.00	EA	81.00	81.00
			1.00	EA	43.74-	43.74-
			1.00	EA	37.26	37.26
			815.19405	FILLUP ASSY - 1.500 ID - 7 IN. - 8-5/8 INSERT FLOAT VALVE		
100	100004521 Liberal, KS, USA Hwy 54 West	CENTRALIZER ASSY - 8-5/8 CSG X 12-1/4	5.00	EA	71.40	357.00
			5.00	EA	38.56-	192.78-
			5.00	EA	32.84	164.22
			40806.61048	CENTRALIZER ASSY - 8-5/8 CSG X 12-1/4 HOLE - HINGED - W/WELDED STANDARD BOWS		
110	100005045 Liberal, KS, USA Hwy 54 West	HALLIBURTON WELD-A KIT	1.00	EA	18.43	18.43
			1.00	EA	9.95-	9.95-
			1.00	EA	8.48	8.48
				HALLIBURTON WELD-A KIT HALLIBURTON WELD-A KIT		
120	15079 Hugoton, KS, USA	SBM MIDCON 2 PREMIUM PLUS	330.00	SK	19.64	6,481.20
			330.00	SK	10.61-	3,499.85-
			330.00	SK	9.03	2,981.35
			504-282			
160	100005053 Hugoton, KS, USA	CALCIUM CHLORIDE - HI TEST PELLET -	8.00	SK	49.85	398.80
			8.00	SK	26.92-	215.35-
			8.00	SK	22.93	183.45
			509-406890.50812	CALCIUM CHLORIDE - HI TEST PELLET - 94-97% CACL 2 - 80# BAG		

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CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL



Halliburton Energy Services, Inc.

ORIGINAL

ITEM	MATERIAL LOCATION	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
170	100005049 Hugoton, KS, USA	FLOCELE - 3/8 - 25 LB SACK	120.00	LB	2.22	266.40
			120.00	LB	1.20-	143.86-
			120.00	LB	1.02	122.54
		XXXXXXX 890.50071 FLOCELE - 3/8 - 25 LB SACK				
180	100012205 Hugoton, KS, USA	CLASS C CEMENT	150.00	SK	16.68	2,502.00
			150.00	SK	9.01-	1,351.08-
			150.00	SK	7.67	1,150.92
		504-050516.00265 CEMENT - CLASS C - PREMIUM - BULK				
190	3965 Hugoton, KS, USA	HANDLE&DUMP SVC CHR, CMT&ADDITIVES,ZI	519.00	CF	1.76	913.44
			519.00	CF	0.95-	493.26-
			519.00	CF	0.81	420.18
		500-207 With the following configuration: NUMBER OF EACH		1 each		
200	3975 Hugoton, KS, USA	MILEAGE,CMTG MTLs DEL/RETURNED,ZI	1,299.0	TMI	1.39	1,805.61
			1,299.0	TMI	0.75-	975.03-
			1,299.0	TMI	0.64	830.58
		500-306 With the following configuration: NUMBER OF TONS		1.00 ton		
		INVOICE AMOUNT				7,535.49
		Sales Tax - State				302.51
		Sales Tax - County				7.27
		Sales Tax - City/Loc				61.72
		INVOICE TOTAL				7,906.99
						US Dollars

RECEIVED
STATE CORPORATION COMMISSION

MAR 13 2000

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

REGION North America	NWA/COUNTRY MidCont USA	BDA / STATE KS	COUNTY Morton
WELL ID / EMP # MCL10110 106328	EMPLOYEE NAME Nick Karbe	PSL DEPARTMENT 21 ORIGINAL	
LOCATION Liberal	COMPANY Pioneer Oil Co.	CUSTOMER REP / PHONE Duan Bell	
TICKET AMOUNT \$ 7906.99	WELL TYPE 01	API / UWI #	
WELL LOCATION 12 N. 23 W of Ralla	DEPARTMENT Cement	JOB PURPOSE CODE 010	
LEASE / WELL # Holl 1-155	SEC / TWP / RNG 5-325-40W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
N. Karbe 106328 14 1/2			
S. Engel 106099 14 1/2			
G. Humphreys 106085 10 1/2			
W. Simpson			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
421270	125						
54218/78202	125						
54227 6610	50						
42920/75821	50						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
1-16-00	1730	2100	0900	1000

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar 1/2" x 1/2"	1	Hal
Float Shoe 5/8" x 1/2"	1	Hal
Guide Shoe Reg	1	CO
Centralizers 5-4	5	
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW.
Casing N	24	8 5/8"	0	1600	2000
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole					SHOTS/FT.
Perforations					
Perforations					
Perforations					

MATERIALS

Treat Fluid	Density	Lb/Gal
Diso. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
1-15-00	3 hrs	1-16-00	1 hr	010
1-16-00	11 1/2 hrs			
TOTAL	14 1/2 hrs	TOTAL	1 hr	

ORDERED _____ HYDRAULIC HORSEPOWER Avail. _____
 TREATED _____ AVERAGE RATES IN BPM Disp. _____
 FEET 43' CEMENT LEFT IN PIPE Reason shif

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
L	330	Mickon (C)	B	1/4" # floccle, 2% C.C.	3.22	11.1
T	150	Prem Plus (C)	B	1/4" # floccle, 2% C.C.	6.32	14.8

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI - Gal 79
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI 789/35	
		Total Volume Gal - BBI _____	

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 CONSERVATION DIVISION
 Wichita, Kansas

REGION North America	NWA/COUNTRY MidCont USA	BOA/STATE Ks	COUNTY Morton
MBU ID / EMP # MCL1010 106328	EMPLOYEE NAME Nick Korbe	PSL DEPARTMENT 21 ORIGINAL	
LOCATION Liberal	COMPANY Pioneer Oil Co.	CUSTOMER REP / PHONE Duane Bell	
TICKET AMOUNT \$7906.99	WELL TYPE 01	API / UWI #	JOB PURPOSE CODE 010
WELL LOCATION 12N, 25W of Ralla	DEPARTMENT Cement		
LEASE / WELL Hull 1-155	SEC / TWP / RNG 5-37S-40W		

EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS
N. Korbe 11.5			
S. Engel 11.5			
G. Humphreys 10.5			
W. Simms 11.5			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1730							called out
	2800							20 lpc Held safety net set up trucks
	0730							st FE
	0845							Br-Circ
	0906					2000		Test lines
	0910	6.5	0			200		st head cont 330 sks @ 11.1"
	0939	6.5	189/0			175		st Tail cont 150 sks @ 19.8"
	0945		35					end cont
	0946							rel plug
	0947	3.5	0			0		st disp
	0948	6.5	5			35		catch cont
	1002	2.5	39			275		slow rate
	1006	2.5	99			350/300		Bump Plug
	1007							rel prep flatheld

circ 50hll cont topit
85 sks

Job complete
Thank you
Nick & crew

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CONSERVATION DIVISION
Wichita, Kansas