

ORIGINAL

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

API NO. 15- 129-216140000

County Morton  
N/2 NW NE Sec. 14 Twp. 32S Rge. 41 X E  
W

Operator: License # 32468

330 Feet from S (circle one) Line of Section

Name: Pioneer Oil Company

1980 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 Glenn Well # 1-214

Purchaser: ANADARKO ENERGY SERVICES

Field Name Richfield

Operator Contact Person: George A. Payne

Producing Formation Morrow

Phone ( 812 ) 853-3813

Elevation: Ground 3,371 KB 3,376

Contractor: Name: Val Energy

Total Depth 5,450 PBDT n/a

License: 5822

Amount of Surface Pipe Set and Cemented at 1,490 Feet

Wellsite Geologist: Jon Christensen

Multiple Stage Cementing Collar Used? X Yes      No

Designate Type of Completion

If yes, show depth set 3,262 Feet

X New Well      Re-Entry      Workover

If Alternate II completion, cement circulated from     

     Oil      SWD      SLOW      Temp. Abd.

feet depth to      w/      sx cmt.

X Gas      ENHR      SIGW

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

Drilling Fluid Management Plan ALT 1 8/24 11/2/01  
(Data must be collected from the Reserve Pit)

If Workover:

Chloride content 2000 ppm Fluid volume 500 bbls

Operator:     

Dewatering method used Evaporation

Well Name:     

Comp. Date      Old Total Depth     

Location of fluid disposal if hauled offsite:     

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

Operator Name 2-2-01

Lease Name      License No.     

11/16/00 11/27/00 12/14/00  
Spud Date Date Reached TD Completion Date

Quarter      Sec.      Twp.      S Rng.      E/W

County      Docket No.     

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, re-completion, 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 1/26/01

Subscribed and sworn to before me this 26th day of January,  
2001

Notary Public       
Date Commission Expires March 29, 2008

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

X

Operator Name Pioneer Oil Company

Lease Name Glenn

Well # 1-214

Sec. 14 Twp. 32S Rge. 41

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, micro-log, cement bond log.

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Wabaunsee	2854	+522
Topeka	3163	+213
Heebner Shale	3533	-157
Lansing	3655	-279
Base Kansas City	4204	-828
Marmaton	4227	-851
Morrow Shale	4747	-1371
Morrow F sand	5042	-1666
Chester	5234	-1858
St. Genevieve	5274	-1898
St. Louis	5332	-1956

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#	1490'	Pozmix & A	700	60/40 Poz 8% gel
Production	7 7/8"	5 1/2"	15.5#	5,448'	Class H	250	EA2 blend
Production	7 7/8"	5 1/2"	Port collar	3,262'	Pozmix & A	450	60/40 Poz 8% gel

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/ft	5,220-30 ft	750 gal 7.5% MCA acid	5,220-30 ft
2/ft	5,170-78 ft	750 gal 7.5% MCA acid	5,170-78 ft

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	5,153 ft	none	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SMD or Inj. February, 2001 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	NONE	1,000			

Disposition of Gas: METHOD OF COMPLETION

Vented  Sold  Used on Lease (If vented, submit ACO-18.)  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval 5220-5230 5170-5178

RECEIVED

FEB 2 2001

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Pioneer Oil Comp. Inc.

DATE 11-20-00

WELL NAME: Glenn #1-214

KB 3376.00 ft

TICKET NO: 13125 DST #1

LOCATION : 14-32S-41W Morton co KS

GR 3370.00 ft

FORMATION: Topeka

INTERVAL : 3135.00 To 3176.00 ft

TD 3176.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10993	10993	2357			PF Fr. 0945 to 1000 hr
SI 45 Range(Psi )	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 1000 to 1045 hr
SF 45 Clock(hrs)	12HR.	12HR.	Elet.			SF Fr. 1045 to 1130 hr
FS 90 Depth(ft )	3174.0	3174.0	3137.0	0.0	0.0	FS Fr. 1130 to 1300 hr

	Field	1	2	3	4	
A. Init Hydro	1575.0	0.0	1553.0	0.0	0.0	T STARTED 0810 hr
B. First Flow	108.0	0.0	23.0	0.0	0.0	T ON BOTM 0943 hr
B1. Final Flow	119.0	0.0	43.0	0.0	0.0	T OPEN 0945 hr
C. In Shut-in	434.0	0.0	445.0	0.0	0.0	T PULLED 1300 hr
D. Init Flow	130.0	0.0	48.0	0.0	0.0	T OUT 1430 hr
E. Final Flow	152.0	0.0	86.0	0.0	0.0	
F. Fl Shut-in	467.0	0.0	450.0	0.0	0.0	
G. Final Hydro	1532.0	0.0	1502.0	0.0	0.0	TOOL DATA-----
Inside/Outside	O	O	I			Tool Wt. 1800.00 lbs
						Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 55000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 52000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.50 in
						D Pipe ID 3.80 in
						D.C. Length 244.00 ft
						D.P. Length 2902.00 ft

RECOVERY

Tot Fluid 130.00 ft of 130.00 ft in DC and 0.00 ft in DP  
 350.00 ft of Gas in pipe  
 130.00 ft of Drilling mud  
 0.00 ft of 100% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Fair blow bottom of bucket in 14 minutes.  
 Initial Shut-In:  
 No blow back.  
 Final Flow:  
 Slow blow built to 4.5"  
 Final Shut-In:  
 No blow back.

RECEIVED

KANSAS CORPORATION COMMISSION

FEB 2 2001

CONSERVATION DIVISION

Test Successful: Y

MUD DATA-----

Mud Type: Chemical  
 Weight 9.00 lb/cf  
 Vis 40.00 S/L  
 W.L. 10.60 in3  
 F.C. 0.00 in  
 Mud Drop Y 15.0 ft  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 101.00 F  
 Hole Condition Good  
 % Porosity 14.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out N  
 Tool Chased N  
 Tester Mike Colantonio  
 Co. Rep. George Payne  
 Contr. Val Energy  
 Rig # #1  
 Unit #  
 Pump T.

SAMPLES: NO  
 SENT TO:

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Pioneer Oil Co, Inc.  
 WELL NAME: Glenn # 1-214  
 LOCATION : 14-32s-41w Morton co KS  
 INTERVAL : 5044.00 To 5075.00 ft

DATE 11-24-00  
 KB 3376.00 ft TICKET NO: 12767 DST #2  
 GR 3371.00 ft FORMATION: Morrow sand "F"  
 TD 5075.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	11058		2346			PF Fr. 1745 to 1800 hr
SI 45 Range(Psi)	4500.0	0.0	4995.0	0.0	0.0	IS Fr. 1800 to 1845 hr
SF 30 Clock(hrs)	12		alpin			SF Fr. 1845 to 1915 hr
FS 30 Depth(ft)	5070.0	0.0	5045.0	0.0	0.0	FS Fr. 1915 to 1945 hr

	Field	1	2	3	4	
A. Init Hydro	2491.0	0.0	2479.0	0.0	0.0	T STARTED 1545 hr
B. First Flow	88.0	0.0	20.0	0.0	0.0	T ON BOTM 1742 hr
B1. Final Flow	88.0	0.0	20.0	0.0	0.0	T OPEN 1745 hr
C. In Shut-in	166.0	0.0	177.0	0.0	0.0	T PULLED 1945 hr
D. Init Flow	88.0	0.0	17.0	0.0	0.0	T OUT 2225 hr
E. Final Flow	88.0	0.0	23.0	0.0	0.0	
F. Fl Shut-in	100.0	0.0	67.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2468.0	0.0	2434.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	i		o			Wt Set On Packer 26000.00 lbs

RECOVERY

Tot Fluid	10.00 ft of	0.00 ft in DC and	10.00 ft in DP	Unseated Str Wt	56000.00 lbs
10.00	ft of Drilling mud			Bot. Choke	0.75 in
0.00	ft of			Hole Size	7.88 in
0.00	ft of			D Col. ID	0.00 in
0.00	ft of			D. Pipe ID	3.80 in
0.00	ft of			D.C. Length	0.00 ft
0.00	ft of			D.P. Length	5038.00 ft

SALINITY 1000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Weak surface blow built to 3/4"  
 Initial Shut-In:  
 No return.  
 Final Flow:  
 Bubble to open tool - No blow  
 Final Shut-In:  
 No return.

MUD DATA-----

Mud Type Chemical  
 Weight 9.30 lb/c:  
 Vis. 62.00 S/L  
 W.L. 6.80 in3  
 F.C. 0.00 in  
 Mud Drop N.  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 123.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out N  
 Tool Chased N  
 Tester Shane McBride  
 Co. Rep. Jon Christensen  
 Contr. Val  
 Rig # 1  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

Test Successful: Y

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR: Pioneer Oil Co Inc.  
 NAME: Glenn #1-214  
 LOCATION: 14-32-41 Morton co KS.  
 INTERVAL: 5097.00 To 5138.00 ft

DATE 11-25-00  
 KB 3376.00 ft TICKET NO: 12768 DST #3  
 GR 3371.00 ft FORMATION: Morrow sand "G"  
 TD 5138.00 ft TEST TYPE: CONVENTIONAL

ORDER DATA

TIME	Field	1	2	3	4	TIME DATA-----
15 Rec.	11058		2346			PF Fr. 1105 to 1120 hr
45 Range (Psi)	4500.0	0.0	4995.0	0.0	0.0	IS Fr. 1120 to 1205 hr
60 Clock (hrs)	12		alpin			SF Fr. 1205 to 1305 hr
90 Depth (ft)	5133.0	0.0	5103.0	0.0	0.0	FS Fr. 1305 to 1435 hr

	Field	1	2	3	4	
A Init Hydro	2524.0	0.0	2470.0	0.0	0.0	T STARTED 0900 hr
B First Flow	77.0	0.0	52.0	0.0	0.0	T ON BOTM 1102 hr
BI Final Flow	88.0	0.0	71.0	0.0	0.0	T OPEN 1105 hr
BC In Shut-in	188.0	0.0	186.0	0.0	0.0	T PULLED 1435 hr
BD Init Flow	111.0	0.0	77.0	0.0	0.0	T OUT 1725 hr
BE Final Flow	166.0	0.0	150.0	0.0	0.0	
BF Fl Shut-in	188.0	0.0	187.0	0.0	0.0	
BG Final Hydro	2502.0	0.0	2392.0	0.0	0.0	TOOL DATA-----
Inside/Outside	i		o			Tool Wt. 4000.00 lbs
						Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 56000.00 lbs
						Unseated Str Wt 56000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 5101.00 ft

RECOVERY

Tot Fluid 270.00 ft of 0.00 ft in DC and 270.00 ft in DP  
 30.00 ft of Gassy mud  
 0.00 ft of 20% gas 80% mud  
 60.00 ft of Gassy mud cut water  
 0.00 ft of 10% gas 60% water 30% mud  
 180.00 ft of Gassy water  
 0.00 ft of 10% gas 90% water  
 0.00 ft of  
 0.00 ft of

SALINITY 26500.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 1 1/2" @ open built to bottom of bucket  
 in 6 minutes.  
 Initial Shut-In:  
 No return  
 Final Flow:  
 1 1/2" in. @ open built to bottom of  
 bucket in 3 minutes.  
 Final Shut-In:  
 Bled off for 2 1/2 minutes. Return  
 in 1/2 minute. Built to 1 1/2" in 15  
 minutes. Died in 50 minutes.

SAMPLES:  
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	72.00 S/L
W.L.	6.00 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H: Temp.	132.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Shane McBride
Co. Rep.	Jon Christensen
Contr.	Val
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Pioneer Oil, Co. Inc.  
 WELL NAME: Glenn # 1-214  
 LOCATION : 14-32s-41w Morton co KS  
 INTERVAL : 5134.00 To 5249.00 ft

DATE 11-26-00  
 KB 3376.00 ft TICKET NO: 12769 DST #4  
 GR 3371.00 ft FORMATION: Basal Morrow sand  
 TD 5249.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	11058		2346			PF Fr. 1220 to 1235 hr
SI 45 Range(Psi)	4500.0	0.0	4995.0	0.0	0.0	IS Fr. 1235 to 1320 hr
SF 45 Clock(hrs)	12		alpin			SF Fr. 1320 to 1404 hr
FS 90 Depth(ft)	5244.0	0.0	5136.0	0.0	0.0	FS Fr. 1405 to 1535 hr

	Field	1	2	3	4	
A. Init Hydro	2535.0	0.0	2468.0	0.0	0.0	T STARTED 1015 hr
B. First Flow	455.0	0.0	444.0	0.0	0.0	T ON BOTM 1217 hr
B1. Final Flow	455.0	0.0	431.0	0.0	0.0	T OPEN 1220 hr
C. In Shut-in	556.0	0.0	567.0	0.0	0.0	T PULLED 1535 hr
D. Init Flow	466.0	0.0	424.0	0.0	0.0	T OUT 1825 hr
E. Final Flow	466.0	0.0	447.0	0.0	0.0	
F. Fl Shut-in	556.0	0.0	563.0	0.0	0.0	
G. Final Hydro	2524.0	0.0	2467.0	0.0	0.0	
Inside/Outside	i		o			

RECOVERY

Tot Fluid 150.00 ft of 0.00 ft in DC and 150.00 ft in DP  
 150.00 ft of Gassy drilling mud  
 0.00 ft of 30% gas 70% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 1800.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Bottom of bucket in 1/2 minute. Gas to surface in 3 1/2 minutes.  
 Initial Shut-In:  
 No return.  
 Final Flow:  
 Gauging gas @ open.  
 Final Shut-In:  
 Bled off for 30 minutes. Weak 1/4" return in 5 minutes.

SAMPLES: gas  
 SENT TO: Caraway, Liberal, Ks

Test Successful: Y

TOOL DATA-----  
 Tool Wt. 5000.00 lbs  
 Wt Set On Packer 26000.00 lbs  
 Wt Pulled Loose 85000.00 lbs  
 Initial Str Wt 58000.00 lbs  
 Unseated Str Wt 58000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 0.00 in  
 D. Pipe ID 3.80 in  
 D.C. Length 0.00 ft  
 D.P. Length 5225.00 ft

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.30 lb/cf  
 Vis: 62.00 S/L  
 W.L: 6.80 in3  
 F.C: 0.00 in  
 Mud Drop N  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 131.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out N  
 Tool Chased N  
 Tester Shane McBride  
 Co. Rep. Jon Christensen  
 Contr. Val  
 Rig # 1  
 Unit #  
 Pump T.

# SALES ORDER

# ORIGINAL



Halliburton Energy Services, Inc.

**Sales Order Number: 1007162**

**Sales Order Date: November 28, 2000**

**SOLD TO:**  
 PIONEER OIL CO  
 ROUTE #4 BOX 142B  
 LAWRENCEVILLE IL 62439  
 USA

**Ticket Type:** Services  
**Well/Rig Name:** PIONEER OIL GLENN #1-214, MORTON  
**Company Code:** 1100  
**Customer P.O. No.:** N/A  
**Shipping Point:** Liberal, KS, USA  
**Sales Office:** Mid-Continent BD  
**Well Type:** Oil  
**Well Category:** Development  
**Payment Terms:** Net due in 20 days

**SHIP TO:**  
 PIONEER OIL GLENN #1-214, MORTON  
 GLENN  
 ELKHART KS 67950  
 USA

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
7523	CEMENT PRODUCTION CASING - BOM JP035	1	JOB					
1	MILEAGE FROM NEAREST HES BASE, 000-117 Number of Units	55 1	MI unit		4.05	222.75	77.96--	144.79
2	MILEAGE FOR CEMENTING CREW,ZI 000-119 Number of Units	55 1	MI unit		2.38	130.90	45.82--	85.08
16091	CSG PUMPING,0-4 HRS,ZI 001-016 DEPTH FEET/METRES (FT/M)	1 5,450	EA FT		2,917.00	2,917.00	1,020.95--	1,896.05
132	PORTABLE DAS,/DAY/JOB,ZI 045-050 NUMBER OF DAYS	1 1	JOB Days		916.00	916.00	320.60--	595.40
7	ENVIRONMENTAL SURCHARGE,/JOB,Z 000-150	1	JOB		66.24	66.24		66.24
13383	SBM MUD FLUSH,ZI 018-315 / SBM MUD FLUSH,ZI	750	GAL		0.91	682.50	238.88--	443.62
100003639	CHEMICAL - HALLIBURTON SUPER F 516.00114 / CHEMICAL - HALLIBURTON SUPER FLUSH	10	SK		128.04	1,280.40	448.14--	832.26
100003729	CHEM-CLAYFIX II - HALTANK 314-163 516.00472 / CHEMICAL -	11	GAL		38.83	427.13	149.50--	277.63



ORIGINAL

Halliburton Energy Services, Inc.

Sales Order Number: 1007162

Sales Order Date: November 28, 2000

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
	CLAYFIX II - IN HAL TANK / BULK SHIPMENTS - FRESNO, TX. - / 8,4545 LBS. PER GAL.							
100076193	SHOE,IFS,5 1/2 8RD,INSR FLPR V SHOE,IFS,4 1/2 8RD,INSR FLPR Valve / SHOE-IFS- 5-1/2 8RD - INSERT FLAPPER / VALVE	1	EA		130.00	130.00	45.50--	84.50
100013930	FILUP ASSY,1.250 ID,4 1/2,5 IN 27815.19113 / FILLUP ASSY - 1.250 ID - 4-1/2 - / 5 IN. INSERT FLOAT VALVE	1	EA		60.00	60.00	21.00--	39.00
100004476	CTRZR ASSY,5 1/2 CSG X 7 7/8 H 806.60022 / CENTRALIZER ASSY - API - 5-1/2 CSG X / 7-7/8 HOLE - HINGED - W/WELDED / IMPERIAL BOWS	12	EA		70.00	840.00	294.00--	546.00
100004614	BSKT,CEM,5 1/2 CSG,SLIP-ON,STL 806.71430 / BASKET - CEMENT - 5-1/2 CSG - SLIP-ON / - STEEL BOWS - CANVAS	2	EA		211.00	422.00	147.70--	274.30
100013746	PLUG ASSY - 3 WIPER LATCH-DOWN 593 - 801.0374 / PLUG ASSY - 3 WIPER LATCH-DOWN - 5-1/2 / CSG	1	EA		355.30	355.30	124.36--	230.94
100013747	BAFFLE ASSY - 5-1/2 8RD - LATC 594 - 801.03743 / BAFFLE ASSY - 5-1/2 8RD - LATCH-DOWN / PLUG	1	EA		150.00	150.00	52.50--	97.50
100003687	Cement- Premium (Bulk) CEMENT - CLASS H - PREMIUM - BULK / CEMENT - CLASS H - PREMIUM - BULK	275	SK		17.55	4,826.25	1,689.19--	3,137.06
100064022	Chem- Calseal 60 (Bulk) 508-127516.00335 / CHEMICAL - CAL SEAL - BULK	13	SK		36.61	475.93	166.58--	309.35
101007446	CHEM,D-AIR 3000 Chemical - D-Air 3000	65	LB		4.91	319.15	111.70--	207.45
100003646	CHEMICAL - HALAD-322 - 50 LB S 507-775516.00144 / CHEMICAL - HALAD-322 - 50 LB SACK	156	LB		8.81	1,374.36	481.03--	893.33
100001585	CHEM-KCL POTASSIUM CHLORIDE -	861	LB		0.49	421.89	147.66--	274.23





Halliburton Energy Services, Inc.

Sales Order Number: 1007162

Sales Order Date: November 28, 2000

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
	70.15302 / CHEMICAL - KCL POTASSIUM CHLORIDE - / 50 LB SACK OR BAG							
3965	HANDLE&DUMP SVC CHR, CMT&ADDI 500-207 NUMBER OF EACH	293 1	CF each		1.94	568.42	198.95	369.47
76400	MILEAGE,CMTG MTLs DEL/RET PER/ 500-306 / MILEAGE,CMTG MTLs DEL/RET PER/TON MI,MIN NUMBER OF TONS	777 1.00	MI ton		1.39	1,080.03	378.01	702.02
<b>SALES ORDER AMOUNT</b>								<b>11,506.22</b>
Sales Tax - State								405.49
Sales Tax - County								23.83
Sales Tax - City/Loc								82.74
<b>SALES ORDER TOTAL</b>								<b>12,018.28</b> US Dollars

Operator Name:

Customer Agent:

Customer Signature X \_\_\_\_\_

REGION <b>North America</b>	NWA / COUNTRY <b>mid con.</b>	BDA / STATE <b>KS</b>	COUNTY <b>Montgomery</b>
MBU ID / EMP # <b>MKT0101 106322</b>	EMPLOYEE NAME <b>D. McNamee</b>	PSL DEPARTMENT <b>ZI</b>	<b>ORIGINAL</b>
LOCATION <b>LIBERAL</b>	COMPANY <b>PIONEER OIL CO.</b>	CUSTOMER REP / PHONE <b>GEORGE PALWE 812-453-0385</b>	
TICKET AMOUNT <b>12,018.28</b>	WELL TYPE <b>OIL</b>	API / UWI #	
WELL LOCATION <b>RICHFIELD</b>	DEPARTMENT <b>ZI</b>	JOB PURPOSE CODE <b>035</b>	
LEASE / WELL # <b>GLENN 1-214</b>	SEC / TWP / RNG <b>14-32S-41W</b>	HES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL</b>	

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
<b>J. JACKSON 188624</b>							
<b>J. LOPEZ 198514</b>							
<b>D. McNamee 106322</b>							
<b>S. Tate 105953</b>							

  

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>Plu 94040</b>	<b>55</b>						
<b>52938-75819</b>	<b>55</b>						
<b>Plu 420995</b>	<b>55</b>						
<b>54038-77941</b>	<b>55</b>						

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

DATE	CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
<b>11-28-00</b>	<b>0900</b>	<b>11-28-00</b>	<b>11-28-00</b>	<b>11-28-00</b>
		<b>1400</b>	<b>1758</b>	<b>1848</b>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe <b>5 1/2 IF</b>	<b>1</b>	<b>HES</b>
Guide Shoes		
Centralizers <b>S-4</b>	<b>12</b>	<b>HES</b>
Bottom Plug <b>LATCH DOWN</b>	<b>1</b>	<b>HES</b>
Top Plug <b>BAFFLE</b>	<b>1</b>	<b>HES</b>
Head <b>P.C.</b>	<b>1</b>	<b>HES</b>
Packer		
Other <b>BASKET</b>	<b>2</b>	<b>HES</b>

### WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>N</b>	<b>17</b>	<b>5 1/2</b>	<b>Surf.</b>	<b>5448</b>	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						SHOTS/FT.
Open Hole						
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 _____	In _____
Perpac Balls _____	Qty _____	
Other _____		
Other _____		
Other _____		
Other _____		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
<b>Nov. 28</b>		<b>Nov. 28</b>		<b>See Job Log</b>
<b>TOTAL</b>		<b>TOTAL</b>		

ORDERED \_\_\_\_\_ HYDRAULIC HORSEPOWER \_\_\_\_\_ Used \_\_\_\_\_  
 TREATED \_\_\_\_\_ AVERAGE RATES IN BPM \_\_\_\_\_ Overall \_\_\_\_\_  
 FEET **45** CEMENT LEFT IN PIPE \_\_\_\_\_ **SHOE JOINT**  
 Reason \_\_\_\_\_

### CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
<b>1</b>	<b>275</b>	<b>PREMIUM</b>	<b>B</b>	<b>5% COLSEAL - 5% KCL - 6% HALAD-522</b> <b>25% D-AIR - 3000</b>	<b>1.54</b>	<b>14.3</b>

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: Gal-BBL **30** Type **HF SUR. Fluid**  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal-BBI \_\_\_\_\_ Pad: BBI-Gal \_\_\_\_\_  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal-BBI \_\_\_\_\_ Disp: BBI-Gal **125**  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr Gal-BBI **75.5**  
 Total Volume Gal-BBI \_\_\_\_\_

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_  
 THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_

# ALLIED CEMENTING CO., INC. 5271

Federal Tax I.D.# 48-0727860

ORIGINAL

REMIT TO: P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT

*De May*

DATE <i>11/11/68</i>	SEC <i>14</i>	TWP <i>22</i>	RANGE <i>41 W</i>	CALLED OUT	ON LOCATION <i>12:00 PM</i>	JOB START <i>6:40</i>	JOB FINISH <i>7:45</i>
LEASE <i>C/S No.</i>	WELL # <i>1-24</i>	LOCATION <i>Richfield 2 E 3/4 N E 1/4</i>			COUNTY <i>Morton</i>	STATE <i>Ks</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *Vol. 1, Entry #1*  
 TYPE OF JOB *Cmt. & S. Surface Cas.*  
 HOLE SIZE *12 1/4* T.D. *1496*  
 CASING SIZE *5 1/2* DEPTH *1496*  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX *500* MINIMUM *50*  
 MEAS. LINE SHOE JOINT *42*  
 CEMENT LEFT IN CSG. *42*  
 PERFS  
 DISPLACEMENT *92.5 BBL*

OWNER *same*  
 CEMENT  
 AMOUNT ORDERED  
*55 sacks L. 4" Normal + 3" cc 4" T. 1" cc 1*  
*150 cc Class A + 3" cc*  
 COMMON   
 POZMIX   
 GEL   
 CHLORIDE   
 HANDLING   
 MILEAGE   
 TOTAL

**EQUIPMENT**

PUMP TRUCK CEMENTER *Max*  
 # *191* HELPER *D. Co. W.*  
 BULK TRUCK  
 # *342* DRIVER *L. Co. W.*  
 BULK TRUCK  
 # *344* DRIVER *J. D.*

**REMARKS**

*Cmt. & S. Surface Cas. with 550 lbs. bit & 1500 ft.*  
*Class A Drop Plug Displace 92.5 BBL*  
*Hand Plug Float Head Cement*  
*Did Circulate*

**SERVICE**

DEPTH OF JOB *1496*  
 PUMP TRUCK CHARGE  
 EXTRA FOOTAGE   
 MILEAGE *M*   
 PLUG *5/8" Rubber*   
 TOTAL

CHARGE TO: *Pioneer Oil Co.*  
 STREET  
 CITY STATE ZIP

**FLOAT EQUIPMENT**

*1-9/16" Mud Shtoc*   
*1-6" HFU T. inser*   
*3-8" Cement Buckets*   
*1-5" Cement bucket*   
 TOTAL

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE *[Signature]*

TAX  
 TOTAL CHARGE  
 DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

# ALLIED CEMENTING CO., INC. 5395

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: ORIGINAL  
Oakley

DATE <u>12/18/00</u>	SEC <u>14</u>	TWP <u>37S</u>	RANGE <u>41W</u>	CALLED OUT	ON LOCATION <u>12:45 PM</u>	JOB START <u>2:10 PM</u>	JOB FINISH <u>3:45 PM</u>
LEASE <u>Glenn</u>	WELL # <u>1-214</u>	LOCATION <u>Richfield 2E 3/4N</u>	COUNTY <u>Morton</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one)							

CONTRACTOR \_\_\_\_\_

TYPE OF JOB Lint Port Collar

HOLE SIZE \_\_\_\_\_ TD \_\_\_\_\_

CASING SIZE 5 1/2 1.7" DEPTH 5450

TUBING SIZE 2 3/8 DEPTH 3267

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL Port Collar DEPTH 3267

PRES. MAX. 1350 MINIMUM 50

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG \_\_\_\_\_

PERFS \_\_\_\_\_

DISPLACEMENT 15.5 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Max

# 19 HELPER Dean

BULK TRUCK \_\_\_\_\_

# 78 DRIVER Andrew

BULK TRUCK \_\_\_\_\_

# 215 DRIVER David

REMARKS:

Test csg to 1000 PSL open tool mix

3900 lbs Lite tubular to block

Displace 15.5 BBL class tool

Test csg to 1350 PSL Run 2 3/8 Tub

Reverse Hole Clean

Cement Displ Circulate

CHARGE TO: Pioneer Oil Co

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 3900 lbs Lite weight + 1/2" Flt Seal

1000 lbs class H

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

SERVICE

DEPTH OF JOB 3267

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

PLUG \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME G. A. Payne