

**ORIGINAL**

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

API NO. 15-147-20554

County Phillips

     - NW -      NW - SW Sec. 27 Twp. 5S Rge. 20      E

2310 Feet from (S)X (circle one) Line of Section

330 Feet from X(W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
XX, SE, XX or XX (circle one)

Lease Name Pearson B Well # 5

Field Name Ray

Producing Formation LKC

Elevation: Ground 2168 KB 2173

Total Depth 3716 PBDT 3520

Amount of Surface Pipe Set and Cemented at 341 Feet

Multiple Stage Cementing Collar Used? Yes      X      No

If yes, show depth set      Feet

If Alternate II completion, cement circulated from 170'

feet depth to 35 w/ 575 665 SKS sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)

Chloride content 1100 ppm Fluid volume 750 bbls

Dewatering method used Evaporation

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 # 5447

Name: OXY USA Inc.

Address P. O. Box 26100

City/State/Zip Oklahoma City, Ok 73126-0100

Purchaser: Citgo Petroleum Co.

Operator Contact Person: Jerry Ledlow

Phone (405) 749-2309

Contractor: Name:     

License:     

Wellsite Geologist:     

Designate Type of Completion:

     X      New Well      Re-Entry      Workover

     X      Oil      SWD      SLOW      Temp. Abd.

     Gas      ENHR      SIGW

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

If Workover:

Operator:     

Well Name:     

Comp. Date      Old Total Depth     

     Deepening      Re-perf.      Conv. to Inj/SWD

     Plug Back      PBDT

     Commingled      Docket No.     

     Dual Completion      Docket No.     

     Other (SWD or Inj?)      Docket No.     

10/21/93 10/27/93      Pending

Spud Date Date Reached TD Completion Date

**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 *Jerry Ledlow*  
Title Staff Analyst Date 2/9/94  
Subscribed and sworn to before me this 1<sup>st</sup> day of February,  
19 94.  
Notary Public *Sammy L Padilla*  
Date Commission Expires 8-21-96

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)

*PI*

SIDE TWO

Operator Name DX USA Inc. Lease Name Pearson B Well # 5

Sec. 27 Twp. 5S Rge. 20  East  West  
 County Phillips

**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.) See Attached Sheet

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy.)

List All E.Logs Run:  
 SBT Gamma Ray

Log	Formation (Top), Depth and Datums	Sample
Name	Top	Datum
Topeka	3110	- 937
Heebner	3257	- 1084
Toronto	3279	- 1106
Lansing Kansas City	3295	- 1122
Base Kansas City	3494	- 1321
Arbuckle	3546	- 1373
Reagan Sand	3591	- 1418
Granite Wash	3637	- 1464

**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	341	Standard	260	3%cc, 1/4# flocele
Production	7 7/8"	5 1/2"	14	3711	See *1 below		

**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				*1 450sx HLC w/4% gel & 1/4# per sk flocele cal-seal, 90sx STD EA-2 cont. 5% cal-seal, 10% salt, .5% Halad-322, .25#/sk D-air & 5#/sk gilsonite mixed @ 15.5 ppg followed by 35sx Standard cont 10% cal-seal, 10% salt, .5% Halad-322, .25#/sk D-air-1, & 1% cc.

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
4	3591-92, 4-	3592-93, 4- 3579-80	Acidized perf w/50 GPF 15% HCL/NE	3446- 3488
4	3580-81, 4-	3581-82, 4- 3577-79		
4	3571-72, 4-	3572-73, 4- 3573-74		
4	3567-68, 4-	3542-44, 4- 3544-46, 4- 3546-48		
4	3486-88, 4-	3474-76, 4- 3446-50		

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 7/8	3573	3470	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Pump Testing			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours 12/28/93	Oil 8 Bbls.	Gas Mcf	Water 1 Bbls.	Gas-Oil Ratio	Gravity

Disposition fGas: **METHOD OF COMPLETION** Production Interval 3446- 3488  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

OXY USA Inc  
Pearson B #5  
Sec 27-5S-20W  
Phillips County

API#15-147-20554

ORIGINAL

Drill Stem Tests Taken

DST #1

3558-3568 (15-30-30-30)

IF off bottom of bucket in 1"

FF off bottom of bucket in 1 1/2".

Recovered 1' clean oil. 2169' saltwater w/ trace of oil.

IHP 1846 PSI, IFP 364-729 PSI, ISIP 936 PSI, FFP 768-907 PSI,  
FSIP 946 PSI, FHP 1806 PSI, BHT 110 F.

DST #2

3574-3585 (30-60-45-90)

IF weak building to 1/2".

FF weak surface blow.

Recovered 60' heavy mud cut oil. (60% oil, 40% mud)

IHP 1866 PSI, IFP 29-29 PSI, ISIP 907 PSI, FFP 49-49 PSI,  
FSIP 917 PSI, FHP 1766 PSI.

BHT 111 F.

RECEIVED  
STATE CORPORATION COMMISSION

FEB 11 1994

CONSERVATION DIVISION  
Wichita, Kansas

FORM 2013 R-3

WELL NO.		LEASE		JOB TYPE		TICKET NO.	
USA		T		C		502292	
TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
0237	7	30			100		Caught Pressure
0244	7	23			1000		83 bbl disp pumped
0248	3 1/4	25			875		Slow rate
0251	3 1/2	29 1/2			1000		Pressure + rate
0251	3 1/2	40			1400		Plug down - Holding
0255							Release - Hold
0300							Wash up + truck
0310							Rack up
0320							Job Complete
							Circulated Salt flush back
							report Did not circulate cement

RETAIN

ORM 2013 R-3

WELL NO. F LEASE 7 B JOB TYPE C.M.I. P.D.C. TICKET NO. 508092

TIME	RATE (GPM)	VOLUME (GAL)	PUMPS	PRESSURE (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
1700					Called out - Ready @ 2130
2140					On location - Rig lying down Kelly + rigging up + logs
2215					Start Casing - 87 Jts New 14 1/2" 5 1/2" Casing Reg. Guide Shoe on bottom of 30.72' Shoe Joint Insert w/ Auto fill tube on top of Shoe Joint 1EA S-4 Centralizer on Jts 1, 3, 5, 7, 9, 11, 13, 16, 48 + 50. 1EA Basket on Jts 6, 14, + 49
2348					Finish casing - Hook up rotating head Plug container + manifold
0014 0013					Rig Circulate - Pumped ball through insert @ 450gpm Rotate Casing
0111	6			75	Hook up to Howco - Rotate Casing Start 40 bbl Salt Flush, 1sk Desca in first 20 bbl Rotate Casing
0122	6	40S. 11 lugs		75	Finish Salt Flush, Start 3 bbl Spacer Rotate Casing
0123	6	3 w/		100	Finish Spacer - Start 500gal Mud Flush Rotate Casing
0125	6	12 Mud 11 lugs		100	Finish Mud Flush - Start 3 bbl Spacer Rotate Casing
0126	6	3 w/		100	Finish Spacer - Start Cement 450 sks HLC w/ 4% Add Gel + 1/4" Floccle
0223	4	179%		0	Finish HLC - Start 90 sks Std w/ 5% Cal Seal, 10% Salt, 5% Haled 322 .25% D-Air + 5" G. Isonic - Continue Rotating Casing
0224	4	20.8		0	Finish 90 sks Std - Start 35 sks Std w/ 10% Cal Seal, 10% Salt .5% Haled 322, .25% D-Air + 1% CC
0230	4	8.3		0	Finish Cement Shut down
0231					Wash up Pump + lines
0232	7			0	Release Plug + Start displacement

CUSTOMER COPY



HALLIBURTON

ORIGINAL

REMIT TO:

CALLER NO. 73499-1046

INVOICE

INVOICE NO.	DATE
508202	10/21/1999

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
EARSON "S" 5		PHILLIPS		KS	SAME
SERVICE LOCATION	CONTRACTOR		JOB PURPOSE		TICKET DATE
BERLIN	ABERCROMBIE DRILLING		CEMENT SURFACE CASING		10/21/1999
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
59167	JIM HOWELL	E-26		COMPANY TRUCK	5842

OXY USA INC.  
 REGIONAL OFFICE  
 ATT: G. I. MCFARLAND  
 PO BOX 26100  
 OKLAHOMA CITY, OK 73126-0100

DIRECT CORRESPONDENCE TO:  
 OKLAHOMA TOWER  
 210 WEST PARK AVENUE  
 SUITE 2000  
 OKLAHOMA CITY, OK 73102-5601

9-1572975 x 2360.1/704

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DRILLING AREA - MID CONTINENT				
000-117	MILEAGE CEMENTING ROUND TRIP	65	MI	2.75	178.75
		1	UNT		
001-016	CEMENTING CASING	341	FT	620.00	620.00
		1	UNT		
030-503	WOODEN PLUG	8	5/8 IN	95.00	95.00
		1	EA		
40	CENTRALIZER 8-5/8" X 12.25"	3	EA	77.00	231.00
807.93059					
504-708	CEMENT - STANDARD	260	SK	8.11	2,108.60
509-406	ANHYDROUS CALCIUM CHLORIDE	8	SK	28.25	226.00
507-210	FLOCELE	65	LB	1.40	91.00
500-207	BULK SERVICE CHARGE	280	CFT	1.35	378.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	817.11	TMT	.95	776.35

INVOICE SUBTOTAL	4,689.70
DISCOUNT - (BID)	1,172.41
INVOICE BID AMOUNT	3,517.29
*-KANSAS STATE SALES TAX	139.50
*-DECATUR COUNTY SALES TAX	28.47

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

33,685.26



**HALLIBURTON**  
ENERGY SERVICES

CHARGE TO:  
**Oxy USA Inc**  
ADDRESS: **AH 25 McFarland**  
**Regional office PO Box 2100**  
CITY, STATE, ZIP CODE:  
**0151 city OKC**

TICKET No. **508202 - 2**  
PAGE 1 OF 2

FORM 1906 R-12

SERVICE LOCATIONS 1. <b>Oberlin 155</b>	WELL/PROJECT NO. <b>B-5 116</b>	LEASE <b>Pearson</b>	COUNTY/PARISH <b>Phillip</b>	STATE <b>KS</b>	CITY/OFFSHORE LOCATION	DATE <b>10-21-73</b>	OWNER <b>Oxy USA</b>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>Abercrombie</b>	FIG NAME NO. <b>4</b>	SHIPPED VIA <b>CT</b>	DELIVERED TO <b>Well site</b>	ORDER NO.
3.	WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>010</b>	WELL PERMIT NO. <b>15-147-20544</b>	WELL LOCATION <b>S Logan 155</b>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

ORIGINAL

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			UM	UM		
000-117		1				MILEAGE 3579	65	mi	2.75	178.75
001-01C		1				pump chr	371	ft		620.00
030-507		1				LA-11 8 3/8	1	EA		95.00
40		1				S-4 cent 8 3/4	2	EA	72.00	216.00

**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.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: *[Signature]*

DATE SIGNED: **1900** TIME SIGNED: **1900**  A.M.  P.M.

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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				FROM CONTINUATION PAGE(S) <b>2425</b>
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?				
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): **JIM DOWELL**

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): *[Signature]*

HALLIBURTON OPERATOR/ENGINEER: **962 Kern**

HALLIBURTON APPROVAL: **73140**

is made in writing  
Texas 77056



**HALLIBURTON**  
ENERGY SERVICES

**TICKET CONTINUATION**

COPY

TICKET No. 508202-2

FORM 1911 R-8

CUSTOMER **Oxy USH** WELL **P-10207 D-5** DATE **10-21-73** PAGE **2** OF **2**

ORIGINAL

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		DATE	PAGE OF		
		LOC	ACCT	DF			QTY.	U/M		QTY.	U/M	UNIT PRICE
507-308		1				STD cement	260	1/511		8	11	2108
509-404		1				CC	8	5/11		28	25	226
507-210		1				Fluorek	65	16		1	40	91
500-207		1				SERVICE CHARGE						
500-306		1										

SERVICE CHARGE	CUBIC FEET	280	1	35	278.00
RELEASE CHARGE	TOTAL WEIGHT	25	175	95	776.3
	LOADED MILES	65			
	TON MILES	817.21			

CONTINUATION TOTAL 2725.61



WELL DATA  
 Bay pool SEC 27 TWP 52 RNG 20W COUNTY Phillips STATE MS

WELL THICKNESS FROM TO  
 TOTAL PROD. OIL BPD. WATER BPD. GAS MCFD  
 WATER PROD. OIL BPD. WATER BPD. GAS MCFD  
 DRILLING DATE MUD TYPE MUD WT  
 MUD TYPE SET AT  
 BOTTOM HOLE TEMP. PRESSURE  
 WELL DATA TOTAL DEPTH

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM ALLOWABLE
	24	5/8"	150	341	
ORIGINAL					
OPEN HOLE					
PERFORATIONS					
PERFORATIONS					
PERFORATIONS					

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
DRILL COLLAR		
DRILL SHOE		
DRILL SHOE		
NEUTRALIZERS 5/4 5-7	3	Hawco
FRONT PLUG		
FRONT PLUG 4 1/4 5/8	1	11
AS	1	11
AS		
AS		

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 10-21-93	DATE 10-21-93	DATE 10-21-93	DATE 10-21-93
TIME 1500	TIME 1400	TIME 2110	TIME 2130

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
H. Barry	5577	050017
J. Moore	3840-7415	11
B. Coles	41322	11

**MATERIALS**

WELL LOG DENSITY LB/GAL API  
 WELP LOG DENSITY LB/GAL API  
 OP. TYPE SIZE LB  
 OP. TYPE SIZE LB  
 NO. TYPE GAL %  
 NO. TYPE GAL %  
 INJECTANT TYPE GAL FT  
 AGENT TYPE GAL FT  
 LUBRICANT ADD. TYPE GAL-LB FT  
 LUBRICANT TYPE GAL-LB FT  
 CEMENT AGENT TYPE GAL-LB FT  
 CEMENT TYPE GAL-LB FT  
 DOWNING AGENT TYPE GAL-LB  
 SPRING SEAL TYPE QTY

DEPARTMENT CMT-1111  
 DESCRIPTION OF JOB Cement Slurp  
 JOB DONE THRU TUBING  CASING  ANNULUS  TBS/ANN   
 CUSTOMER REPRESENTATIVE X [Signature]  
 HALLIBURTON OPERATOR [Signature]  
 COPIES REQUESTED

**CEMENT DATA**

NUMBER OF BAGS	CEMENT	BRAND	ADDITIONS	YIELD CU.FT./BK.	MIXED LBS./GAL.
260	STO	B	3% cc 7.15 Flocc	1.8	15.6

**PRESSURES IN PSI**

REGULATING DISPLACEMENT  
 SHUTDOWN MAXIMUM  
 SURGE FRACTURE GRADIENT  
 SHUT-IN INSTANT 5-MIN 15-MIN  
 HYDRAULIC HORSEPOWER  
 CORRECT AVAILABLE USED  
 AVERAGE RATES IN BPM  
 SHUT-IN DISPL. OVERALL  
 CEMENT LEFT IN PIPE  
 REASON: No. requested

**SUMMARY**

PREFLUSH: BBL-GAL TYPE  
 LOAD & BKDN: BBL-GAL PAD: BBL-GAL  
 TREATMENT: BBL-GAL DISPL: BBL-GAL 20  
 CEMENT SLURRY: BBL-GAL 54.5  
 TOTAL VOLUME: BBL-GAL 74.5  
**REMARKS**  
 see job log



DATE

10-21-12

WELL

xy 434

WELL NO.

D-5

LEASE

Pearson

JOB TYPE

8 3/8 Surf

TICKET NO.

5082022

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TRNG	CASNG	
1900							on loc - R. 2 to circulate hole to run 8 3/8 casing cement w/ 260 st 3 1/2 cu by flocc 3 cent 1.3-5 st Hooks up to circ
2055							Hooks up Howco st cent
2110						200	Least mix drop ply
2120		55				100	st disp
2124						100	ply down shut down
2129		75				200	cement circulate job complete
							Thank you Joe - Joci Harlod



CHANGE TO: **Oxy USA**  
 ADDRESS: **Regional Office Attn: J. McFarland**  
**P.O. Box 26100**  
 CITY, STATE, ZIP CODE: **Oklahoma City, OK 73126-0100**

**ORIGINAL**

INVOICE No. **508092 - 2**  
 PAGE 1 OF 2

FORM HDS-12

1. SERVICE LOCATIONS <b>OKLAHOMA</b>	WELL/PROJECT NO. <b>5</b>	LEASE <b>Pearson B #1</b>	COUNTY/TOWNSHIP <b>Phillips</b>	STATE <b>KS</b>	CITY/OFFSHORE LOCATION	DATE <b>10-26-93</b>	OWNER <b>Same</b>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>Abercrombre</b>	REG NAME NO. <b>4</b>	SHIPPED VIA <b>ET</b>	DELIVERED TO <b>Wellsite</b>	ORDER NO.
3.	<input type="checkbox"/> SALES		WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>035</b>	WELL PERMIT NO.	WELL LOCATION <b>S Logan KS</b>
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOG	ACCT	DF			U/M	U/M		
000-117						MILEAGE 3579	65	mi	2.75	178.75
001-016						Pump Charge	3712	ft		1455.00
12A	825.205					Reg Guide Shoe	1	EA	121.00	121.00
24A	815.19251					Insert Float Valve	1	EA	110.00	110.00
27	815.19311					Auto Fill Tube	1	EA	55.00	55.00
40	807.93002					S-4 Centralizers	10	EA	44.00	440.00
320	800.888-3					Cement Baskets	3	EA	110.00	330.00
030-018						SW Top Plug	1	EA	65.00	65.00
018-315						Mud Flush	500	gal	.75	325.00
019-241						Rotating Head	1	Job		185.00

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CUSTOMER OR CUSTOMER'S AGENT SIGNATURE  
 X *[Signature]*

DATE SHIPPED: **10-26-93** TIME SHIPPED: **2200**  
 AM  PM

do  do not require PO (Purchase Order)  No other

WELL SURFACE SAFETY VALVE WAS  
 MAILED & RETURN  MAILED  NONE

TYPE LOCK DEPTH

BEAM SIZE SPACERS

TYPE OF EQUALIZING SUR. CASING PRESSURE

TUBING SIZE TUBING PRESSURE WELL DEPTH

WIRE CONNECTION TUBE VALVE

**SURVEY**

MPRE UN DECDED DR. 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 CORRECTLY?

ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: **3264.25**

FROM CONTINUATION PAGE(S): **830899**

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: **11573.74**

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): **Jim Dowell**

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): X *[Signature]*

HALLIBURTON REPRESENTATIVE: *[Signature]* **Bill S**

HALLIBURTON APPROVAL:



TICKET CONTINUATION

ORIGINAL

TICKET No. 502092

FORM 1011 R-3

CUSTOMER				WELL	DATE	PAGE	OF
OXY USA				Pearson B-5	2-27-93		
QTY	UNIT	PRICE	AMOUNT				
504-316				Halliburton Light Cement	450 SK	7.33	3298.50
507-277				Helco Gel mixed Add 4%	17 SK	15.50	263.50
507-210				Floccule	100 lb	1.40	140.00
504-308				Std Cement	90 SK	8.11	729.90
508-127				Cal Seal	4 SK	20.70	82.80
507-775				Halad-322	43 lb	6.90	296.70
507-970				D-Air-1	22 lb	3.25	71.50
509-968				Salt Granulated	400 lb	.13	52.00
508-291				Gilsonite	450 lb	.40	180.00
504-308				Std. Cement	35 SK	8.11	283.85
508-127				Cal Seal	3 SK	20.70	62.10
507-775				Halad-322	16 lb	6.90	110.40
507-970				D-Air-1	8 lb	3.25	26.00
509-968				Salt Granulated	150 lb	.13	19.50
509-406				Calcium Chloride	1 SK	28.25	28.25
509-968				Salt Granulated Not mixed	400 lb.	.13	52.00
500-207				SERVICE CHARGE	6.44	1.35	869.40
500-306				RELEASE SERVICE	56,440	75	1742.59
						TOTAL	8308.99

DO NOT WRITE  
WITH IN LINES

# JOB SUMMARY

DIVISION \_\_\_\_\_  
 HALLIBURTON LOCATION Oberlin KS

BILLED ON TICKET NO. 508092

## WELL DATA

SEC. 21 TWP. 50 RING. 20W COUNTY Phillips STATE KS

WELL NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 Casing 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 3716

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	14	5 1/2	KB	3712	
LINER						
TUBING						
OPEN HOLE			7 1/2		3116	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**ORIGINAL**

## JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-26-93</u>	DATE <u>10-26-93</u>	DATE <u>10-26-93</u>	DATE <u>10-27-93</u>
TIME <u>1700</u>	TIME <u>2145</u>	TIME <u>2015</u>	TIME <u>0320</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
J. Moore	38422	
B4685	24	Oberlin KS
H. Berry	3519	
B. Suber	4746001M	Oberlin KS
M. T. 1103	3-46	
S. 2046	2-1174	Oberlin KS
M. Seck	5041	
	Balk 14	Oberlin KS

DEPARTMENT Cat.  
 DESCRIPTION OF JOB Cat Production Casing

JOB DONE THRU: TUBING  CASING  ANNULUS  TEG/ANN

CUSTOMER REPRESENTATIVE X J. Moore

HALLIBURTON OPERATOR J. Moore COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS./GAL.
	450	HCC			46.322 Gal 1/4" Flocch	2.24	119
	90	SH			1/2 Gal Seal, 1/2 Gal Salt, 500 Gal 322, 25 D.A.C	1.33	150
	35	SH			1/2 Gal Seal, 1/2 Gal Salt, 500 Gal 322, 25 D.A.C	1.33	155

## 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 30.22 REASON Shut In

## SUMMARY

PRESLUSH: BBL-GAL 40 500 gal Mud Flush  
 LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_  
 TREATMENT: BBL-GAL \_\_\_\_\_ DISPL. BBL-GAL 89.8  
 CEMENT SLURRY: BBL-GAL 179.5, 10.8, 8.3  
 TOTAL VOLUME: BBL-GAL \_\_\_\_\_

## REMARKS

See Job Log & Chart  
Thank you

CUSTOMER OX USA  
 PARSONS  
 5  
 Cmt. Prod. Casing  
 DATE 10-26-93



CUSTOMER COPY

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



HALLIBURTON  
ORIGINAL

INVOICE

508092 10/26/199

VEHICLE NO.	WELL NO. & LOCATION	DATE
PEARSON #2	PHILLIPS	19 9AM
OPERLIN	ABERCROMBIE DRILLING CEMENT PRODUCTION CASING	10/26/199
ACT NO.	CUSTOMER NO.	VENOR NO.
59167	JIM NOWELL	E-76
		COMPANY TRUCK 5868

OXY USA INC.  
REGIONAL OFFICE  
ATT: G. I. MCPARLAND  
PO BOX 26100  
OKLAHOMA CITY, OK 73126-0100

DIRECT CORRESPONDENCE TEL  
OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2000  
OKLAHOMA CITY, OK 73107-5603

958975 Y-2300 V/704

500-101	IMPROVED CEMENT FLUIDIZER	1.00	28.25	
500-968	GALT	400 LB	13	
500-207	BULK SERVICE CHARGE	644 CFT	1.35	869.40
500-306	MILEAGE CHRG MAT DEL OR RETURN	1834.30 TMI	.95	1,742.59

INVOICE SUBTOTAL 2,612.24

DISCOUNT - (BID) 2,612.24  
INVOICE BID AMOUNT 0.00

\*- KANSAS STATE SALES TAX 342.02  
\*- DECATUR COUNTY SALES TAX 69.83

NOV

1332

006

INVOICE TOTAL - PLEASE PAY THIS AMOUNT 2,924.09

508092-71



CUSTOMER COPY

REMIT TO:  
P.O. BOX 951044  
DALLAS, TX

HALLIBURTON

INVOICE

ORIGINAL

508092 10/10/1993

WELL LEASE NO./PROJECT

PEARSON "B" 5

SERVICE LOCATION

BERLIN

ABERCROMBIE DRILLING CEMENT PRODUCTION CASING

10/10/1993

ACCT. NO.	CUSTOMER AGENT	VENDOR ID	CUSTOMER NUMBER	COMPANY CODE	58883
59167	HOWELL	B 26			

OKLAHOMA USA INC.  
REGIONAL OFFICE  
ATT: G. L. MCPARLAND  
PO BOX 26100  
OKLAHOMA CITY, OK 73126-0100

DIRECT CORRESPONDENCE TO  
OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2000  
OKLAHOMA CITY, OK 73102-1000

REFERENCE NO.

PRICING AREA - MTD CONT	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
000-117	MILEAGE CEMENTING SOUND TRIP	65	2.75	178.75
001-015	CEMENTING CASING	3712	1.455	5,455.00
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	121.00	121.00
825-2087				
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	110.00	110.00
815-19251				
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	55.00	55.00
815-15-11				
40	CENTRALIZER 5-1/2" X 7 7/8"	10	44.00	440.00
803-93012				
520	CEMENT BASKET 5 1/2"	3	110.00	330.00
800-0883				
030-018	CEMENTING PLUG 5W, PLASTIC TOP	5 1/2 IN	65.00	55.00
015-015	MUD FLUSH	1		
019-241	CASING SWIVEL W/O WALL CLEANER	500 GAL	.65	325.00
504-316	CEMENT - HALL LIGHT STANDARD	1	105.00	105.00
507-277	HALLIBURTON GEL EXTENSIFIER	450 SR	7.33	3300.00
507-210	FLOCHE	1	15.50	15.50
504-308	CEMENT - STANDARD	1		
508-127	CAL SEAL 60	4 SK	20.70	82.80
507-275	HALAD-322	43 LB	6.90	296.70
507-970	D-AIR 1, POWDER	22 LB	3.25	71.50
509-968	SALT	400 LB	.13	52.00
508-291	GILSONITE BULK	450 LB	.40	180.00
504-208	CEMENT - STANDARD	35 SK	6.11	213.85
508-127	CAL SEAL 60	3 SK	20.70	62.10
507-275	HALAD-322	16 LB	6.90	110.40
507-970	D-AIR 1, POWDER	8 LB	3.25	26.00
509-968	SALT	150 LB	.13	19.50

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

AFFIX JOB PKT.

TERMS: If Customer does not have an approved open account with Halliburton, the amount due will be payable in cash at the time of purchase or delivery of equipment. 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 balances from the date payable until paid at the highest bank commercial rate applicable, but never to exceed 10% per annum. In the event Halliburton employs an attorney for collection of any account, Customer



CHARGE TO: Oxy USA  
 ADDRESS: Regional Office America Mexico  
 P.O. Box 26100  
 CITY, STATE, ZIP CODE: Oklahoma City, OK 73126-0100

COPY

TICKET No. 508092 - 2

FORM 1906 R-12

PAGE 1 OF 2

SERVICE LOCATIONS 1. Oberlin, KS	WELL/PROJECT NO. 5	LEASE Pearson 3 1/2"	COUNTY/PARISH Phillips	STATE KS	CITY/OFFSHORE LOCATION	DATE 10-26-93	OWNER SOME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR McCormick	RIG NAME/NO. 4	SHIPPED VIA LT	DELIVERED TO Well Site	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE OCS	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

ORIGINAL

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
000 111		1				MILEAGE 3579	65	mi	1		2.75	178.75
001-016		1				Pump Change	3713	ft.	1			1455.00
12A	825-205	1				Reg Guide Size	1	EA	5/2	11	121.60	121.60
-24A	815-19251	1				Inter. Plug Valve	1	EA	5/2	11	110.60	110.60
27	815-17311	1				Anchor All Tank	1	EA	1	11	55.60	55.60
40	807-93052	1				Self Sealing	10	EA	5/2	11	44.00	440.00
320	800-888-3	1				Control Valve	3	EA	5/2	11	110.00	330.00
030-018		1				50' Top Plug	1	EA	5/2	11	65.00	65.00
018-315		1				Mud Flush	300	gal	1		.65	325.00
017-241		1				Reaming Hose	1	EA	1			185.00

<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions. CUSTOMER OR CUSTOMER'S AGENT SIGNATURE X [Signature] DATE SIGNED: 10-21-93 TIME SIGNED: 2:20 P.M. <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b>			AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL: 3264 FROM CONTINUATION PAGE(S): 8138 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: 11403.30
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?						
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?						
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?						
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?						
TREE CONNECTION	TYPE VALVE		ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO						
			<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

<b>CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES</b>				The customer hereby acknowledges receipt of the materials and services listed on this ticket.			
CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL			
	X [Signature]	[Signature]	RULKS				





TICKET CONTINUATION

ORIGINAL

TICKET No. **508092**

FORM 1111A-3

CUSTOMER **OXY U.S.A** WELL **Pearson B-S** DATE **10-27-93** PAGE **1** OF **1**

ORIGINAL

							UNIT PRICE	AMOUNT
504-316				Halliburton Light Cement	450	SKs	7.33	3298.50
507-277				Halco Gel Mixed Add 4%	17	SK	15.50	263.50
507-210				Flocde	100	lb	1.40	140.00
504-308				Std Cement	90	SK	8.11	729.90
508-127				Cal Seal	4	SK	20.70	82.80
507-775				Halad-322	43	lb	6.90	296.70
507-970				D-Air-1	22	lb	3.25	71.50
509-968				Salt Granulated	400	lb	.13	52.00
508-291				Gilsonite	450	lb	.40	180.00
504-308				Std. Cement	35	SK	8.11	283.85
508-127				Cal Seal	3	SK	20.70	62.10
507-775				Halad-322	16	lb	6.90	110.40
507-970				D-Air-1	8	lb	3.25	26.00
509-968				Salt Granulated	150	lb	.13	19.50
509-406				Calcium Chloride	1	SK	28.25	28.25
509-968				Salt Granulated Not Mixed	400	lb.	.13	52.00

500-207				SERVICE CHARGE			CUBIC FEET <b>644</b>	1.35	869.40
500-306				MILEAGE CHARGE	TOTAL WEIGHT <b>56,440</b>	LOADED MILES <b>65</b>	TON MILES <b>1834.30</b>	.95	1742.59
<b>TOTAL</b>									<b>8308.99</b>



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

# ORIGINAL

BILLED ON TICKET NO. 800090

## WELL DATA

FIELD \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY \_\_\_\_\_ 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			<u>1 1/2</u>		<u>216</u>	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: _____ TIME: _____	DATE: _____ TIME: <u>5:45</u>	DATE: _____ TIME: <u>8:15</u>	DATE: <u>10/21/8</u> TIME: <u>03:20</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Moore</u>	<u>3012</u>	
<u>54625</u>	<u>3012</u>	<u>Oberlin KS</u>
<u>1 1/2</u>	<u>3011</u>	
<u>2 5/8</u>	<u>11240-11240</u>	<u>Oberlin KS</u>
<u>4 1/2</u>	<u>3044</u>	
<u>6 3/4</u>	<u>7 1/2</u>	<u>Oberlin KS</u>
<u>8 1/2</u>	<u>7 1/2</u>	<u>Oberlin KS</u>

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 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. \_\_\_\_\_ IN  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT 2014  
 DESCRIPTION OF JOB Completion of well  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
 CUSTOMER REPRESENTATIVE X  
 HALLIBURTON OPERATOR John Moore COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BUCK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>450</u>	<u>HCC</u>			<u>4% Add Gel 1/4" flocc</u>	<u>2.24</u>	<u>11.9</u>
	<u>90</u>	<u>SH</u>			<u>5% Red Seal 2 1/2" Sol. 5% HCL 202 20/DAF</u>	<u>1.30</u>	<u>15.0</u>
	<u>30</u>	<u>SH</u>			<u>0% Red Seal 2 1/2" Sol. 5% HCL 202 20/DAF</u>	<u>1.33</u>	<u>15.5</u>

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. 89.8  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 179.5  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

### REMARKS

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 30.70 REASON Shut In

CUSTOMER CONTECO  
 LEASE Peacock  
 WELL NO. 5  
 JOB TYPE CM + P + C  
 DATE 10/26/8



DATE  
 10-26-93

**JOB LOG** FORM 2013 R-3

 CUSTOMER: Coy USA WELL NO.: 5 LEASE: Flanagan 2 JOB TYPE: Completion TICKET NO.: 504092

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0237	1	30					100 Change Pressure
	0245	1	83					1000 83 bbl disp pumped
	0248	374	83					875 Bleed off
	0251	374	897					100 2-1/2 min
	0251	374	40					1400 Plug cement in hole
	0255							Release Hold
	0300							Wash up + make
	0310							Back
	0320							Job Complete
								Circulated Salt flush back
								0 pit Did not circulate cement

 RECEIVED  
 STATE COMMISSION  
 FEB 17 1994  
 CONSERVATION DIVISION  
 Wichita, Kansas