

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

Operator: License # 5447

Name: OXY U.S.A. Inc.

Address P.O. Box 27570

City/State/Zip Houston, TX 77227-7570

Purchaser: PEPL

Operator Contact Person: Bill Berry

Phone (713) 215-7310

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: None

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD SLOW Temp. Abd.
- Gas ENHR SIGW
- Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Reentry: Old Well Info as follows:

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. _____

1/20/98 1/21/98 3/15/98
 Spud Date Date Reached TD Completion Date

API NO. 15- 189-2227000 00

County Stevens

NE/4 SW/4 SW/4 Sec. 31 Twp. 34S Rge. 35 X E

1250 FSL Feet from S/N (circle one) Line of Section

1250 FWL 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 STALCUP C Well # 4

Producing Formation Chase

Elevation: Ground 3018 KB 3028

Total Depth 2925 PBDT 2895

Amount of Surface Pipe Set and Cemented at 709 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Att. 1 12-7-98 S.C.
(Data must be collected from the Reserve Pit)

Chloride content 16000 ppm Fluid volume 500 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rge. _____ 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, 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.

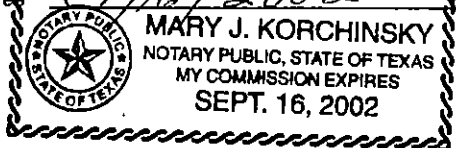
Signature Bill Berry

Title Engineering Technician Date 11-2-98

Subscribed and sworn to before me this 2 day of November, 1998.

Notary Public Mary J. Korchinsky

Date Commission Expires _____



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other

(Specify)

SIDE TWO

Operator Name OXY U.S.A. Inc. Lease Name STALCUP C Well # 4
 East County Stevens
 Sec. 31 Twp. 34S Rge. 35 West

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 checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hollenberg	2664	354
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Herrington	2690	328
List All E.Logs Run: Compensated Neutron, GR/CCL		Krider	2722	296
		Winfield	2780	238
		Towanda	2836	182

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 7/8	24	709	Class A	270	3% CC
Production	7 7/8	5 1/2	14	2922	Class A	370	2% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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 & 4	2665 - 2667; 2674 - 2678	Acidized w/1000 gal. 71/2% HCL	
4	2708 - 2712; 2754 - 2758; 2784 - 2788		

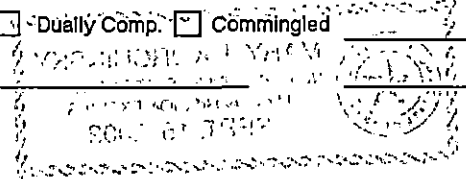
TUBING RECORD	Size <u>2 3/8</u>	Set At <u>2788</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. <u>3/16/98</u>	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil <u>0</u>	Bbls.	Gas <u>100</u>	Mcf	Water <u>0</u>	Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perforation Dually Comp. Commingled Other (Specify)



5-10-1995 2:14AM

FROM

Schlumberger

Dowell

Dowell a Division of Schlumberger Technology Corporation
 204 S Missouri
 Ulysses, KS 67860
 Tel: 316 356 1272
 Fax: 316 356 1811

INVOICE

COPY

Service Date	01/20/1998	Job Number	20040876	Invoice Date	01/26/1998	Invoice	9090100716
Bill To: OXY USA INC PO Box 2528 LIBERAL KS 67905				Remit To: Dowell a Division of Schlumberger Technology Corporation PO Box 201556 Houston TX 77216			
				Tax Registration Number: 22-1692661 We can invoice you EDI. Call (281) 285 4230 for more information			
Terms 30 Days Net				Service Description DW Cementing-Cate,Cement Surface			
Customer PO		Contract		API		Price Reference Dowell US	
Well STALCUP 'C' 4		State KS		County/Parish/Block Stevens		Legal Location SEC:31 T:34S R:35W	
Field HUGOTON		Customer or Authorized representative Jake Slatten				Wg CHEYENNE B	
Item	Description	Quantity	List Price	Disc	Net Price	Net Amount	
49100000	Service Chg Cement Mat Land All DW Fur	286.000 CF	1.85	-30.000 %	1.2950	370.37	
49102000	Transportation Cement Ton Mile	634.000 MI	1.33	-30.000 %	0.9310	590.25	
69200002	Mileage, All Other Equipment	48.000 MI	3.47	-30.000 %	2.4290	116.59	
59697000	PACR Treatment Analysis Recorder	1.000 JOB	720.00	-30.000 %	154.0000	154.00	
102871010	Casing Cmnt 501-1000' 1st 6hr	1.000 EA	1,034.00	-30.000 %	723.8000	723.80	
	*Sub-Total Services					1,955.01	
53003085	Insert, Orifice Fill	1.000 EA	440.00	-30.000 %	308.0000	308.00	
56008085	Basket, Cementing 8-5/8 in	1.000 EA	323.00	-30.000 %	226.1000	226.10	
56011086	Centralizer, Regular	4.000 EA	98.00	-30.000 %	69.3000	277.20	
56704088	Plug, Top Rubber Alum Core	1.000 EA	200.00	-30.000 %	146.3000	146.30	
D029	Cellophane Flakes D29	68.000 LB	2.02	-30.000 %	1,414.00	96.15	
D046	Antifoam Agent, All Purpose D46	23.000 LH	3.90	-30.000 %	2,730.00	62.79	
D079	Extender, Chemical D79	338.000 LB	1.65	-30.000 %	1,165.00	390.39	
D903	Cement, Class C D903	271.000 CF	12.03	-30.000 %	8,421.00	2,282.09	
K232	Thread Locking Compound Kit K232	1.000 EA	34.00	30.000 %	23.8000	23.80	
S001	Calcium Chloride 77% S1	508.000 LB	0.51	30.000 %	0.3570	181.36	
	*Sub-Total Products					3,994.18	
	*Total before tax					5,949.19	
	*Tax, USState/CanGST	4.900 %				224.62	
	*Tax, US City	1.000 %				45.83	
	*Total Amount Due on or Before 02/23/98 payable in USD					6,219.64	

Please reference invoice number 9090100716 on payment.

Thank you for calling Dowell

5-10-1995 2:15AM

FROM

Schlumberger

Dowell

Dowell, A Division of Schlumberger Technology Corp.
204 S Missouri
Ottawa, KS

Service Authorization

Job Number
200408761

Invoice Mailing Address:
OXY USA INC

LIBERAL, KS 67905
US

ARRIVE LOCATION Date Time
1/20/98 3:00:00 PM

Service Instructions
Cement and equipment to rarely cement 8 5/8 surface casing as per customer's request

Service Description
Cementing - Cem Surface Casing

Customer PO 0 District 0

APE 0 RIG CHEYENNE 8

Well Stalcup #4

County/Parish/Block Stevens Legal Location SEC 31 34S-35W

Field hugoton

Customer or Authorized Representative
Jake Statten

Dowell will furnish and customer shall purchase materials and services required in the performance of the following service instructions in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order.

Comments

Service Order: customer work to begin as per service instructions in accordance with terms and conditions printed on the reverse side of this form and/or attachment to this form and represent that I have authority to accept and sign this order.

Signature of Customer or Authorized Representative
Noel Paray Jake Statten

Signature of Dowell Representative
Charley King

Thank you for Calling Dowell!

5-10-1995 2:15AM

FROM

Cementing Service Report

Well		Location (Legal)		Customer		Job Number	
Stakup #4		SEC 31-34S-35W		OXY USA INC		21X141876	
Field		Formation Name/Type		Deviation		Service Date	
lugoton		Surface		0		1/19/98	
County		State/Province		BHP		Well MD	
Stevens		KS		0 psi		709 ft	
Rip Name		Drilled For		Service Via		Well YTD	
CHEYENNE B		Gas		Land		709 ft	
Offshore Zone		Well Class		Well Type		Well YTD	
		New		Development		709 ft	
Drilling Fluid Type		Max. Density		Plastic Viscosity		More Press. Gradient	
Bentonite		9 lb/gal		0 cp		0 psi/ft	
Service Line		Job Type		Casing/Liner			
Cementing		Cem Surface Casing		Depth, ft		Size, in	
				709		8.63	
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Weight, lb/ft		Grade	
0 psi		0 psi		24		K55	
Service Instructions		Wellhead Connection		Thread		Thread	
Cement and equipment to safely cement 8 5/8 surface casing as per customer's request		8 5/8 cement head		0		BRD	
Perforations/Open Hole				Tubing/Drill Pipe			
Top, ft		Bottom, ft		Depth, ft		Size, in	
0		0		0		0	
Casing		Displacement		Weight, lb/ft		Grade	
0 ft		42.2 bbl		0		0	
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.	
0 bbl		45.2 bbl		0 bbl		0 bbl	
Casing Tools				Squeeze Job			
Shoe Type:		Other		Shoe Depth:		Squeeze Type	
190 psi				709 ft			
Pipe Rotated:		Pipe Replaced:		Stage Tool Type:		Tool Depth:	
No		No		0 ft		0 ft	
No. Centralizers:		Top Plugs:		Stage Tool Depth:		Tail Pipe Size:	
4		1		0 ft		0 in	
Cement Head Type:		Arrived on Location:		Collar Type:		Tail Pipe Depth:	
Single		1/20/98 15:00		Auto-Fill		0 ft	
Job Scheduled For:		Leave Location:		Collar Depth:		Sqr Total Vol:	
1/20/98 15:00		1/20/98 18:30		663 ft		0 bbl	
Time		Cum Vol		Density		Pressure	
24 hr clock		bbl		ppg		psi	
17:08		0		0		0	
17:08		0		8.183		9.113	
17:08		0		0		0	
17:09		.3685		8.184		1207	
17:09		0		0		0	
17:10		.374		8.183		106.1	
17:10		0		0		0	
17:10		0		0		0	
17:10		4617E-5		8.181		4.177	
17:11		3.686		8.389		218.8	
17:11		4.980		8.22		53.19	
17:12		7.955		8.392		194.3	
17:13		11.91		8.4		187.3	
17:13		15.87		8.389		195.9	
17:14		19.83		8.4		197.1	
17:14		23.8		8.412		234.5	
17:15		0		0		0	
17:15		0		0		0	
17:15		0		0		0	
17:16		2.271		10.29		242.5	
17:16		6.24		11.27		259	

4-10-1995 2:16AM FROM

Well	Stalcup #84		Field hugoton		Service Date	Customer	Job Number
Time	CumVol	Density	Pressure	TestFlowrate	1/19/98	OXY USA INC	20040876
24 hr clock	bbl	ppg	psi	bpm			Message
17:10	10.21	10.8	236	6.707	0	0	
17:17	14.18	11.17	244.5	6.793	0	0	
17:17	18.14	11.43	240.1	6.771	0	0	
17:18	22.12	11.2	228.3	6.807	0	0	
17:18	26.1	11.23	216.6	6.81	0	0	
17:19	30.08	11.28	208.9	6.821	0	0	
17:20	34.19	11.42	209.4	6.814	0	0	
17:20	38.17	11.31	203.9	6.815	0	0	
17:21	42.15	11.34	204.1	6.814	0	0	
17:21	46.13	11.18	202.3	6.817	0	0	
17:22	50.11	11.22	197.3	6.804	0	0	
17:22	54.1	11.2	198.9	6.809	0	0	
17:23	58.08	11.21	200	6.819	0	0	
17:24	62.07	11.05	188.1	6.822	0	0	
17:24	66.06	11.09	199.5	6.821	0	0	
17:25	0	0	0	0	0	0	[CumVol]=68.34 bbl
17:25	0	0	0	0	0	0	Reset Volume
17:25	0	0	0	0	0	0	Start Mixing Tail Slurry
17:25	1.134	12.96	219.4	6.788	0	0	
17:25	5.222	14.83	269.5	6.769	0	0	
17:26	9.187	14.88	244.1	6.785	0	0	
17:27	13.15	14.95	284.3	6.774	0	0	
17:27	17.11	14.98	289.7	6.778	0	0	
17:28	21.07	14.79	278.7	6.755	0	0	
17:28	25.02	15.15	298.3	6.762	0	0	
17:28	28.99	14.86	279.8	6.781	0	0	
17:30	32.94	14.88	280.0	6.775	0	0	
17:30	36.59	14.08	105.5	6.298	0	0	
17:30	0	0	0	0	0	0	Shutdown
17:30	0	0	0	0	0	0	[CumVol]=38.7 bbl
17:30	0	0	0	0	0	0	Reset Volume
17:31	0	0	0	0	0	0	Drop Top Plug
17:31	0	0	0	0	0	0	Start Displacement
17:31	3828E-7	14.01	-9.862	2609E-7	0	0	
17:31	3908E-7	13.94	-5.105	2489E-11	0	0	
17:32	3908E-7	13.94	-15.91	2376E-15	0	0	
17:33	3908E-7	13.91	-8.942	2260E-19	0	0	
17:33	3908E-7	13.92	-18.01	2162E-23	0	0	
17:34	3908E-7	13.92	-7.384	2082E-27	0	0	
17:34	3908E-7	13.89	-6.264	1987E-31	0	0	
17:35	1.432	17.37	212.9	5.394	0	0	
17:35	4.785	8.856	117.2	5.718	0	0	
17:36	8.105	8.228	98.35	5.711	0	0	
17:37	11.55	8.334	100.3	5.711	0	0	
17:37	14.89	8.377	100.5	5.712	0	0	
17:38	18.25	8.38	98.4	5.716	0	0	
17:38	21.57	8.405	102.7	5.717	0	0	
17:39	0	0	0	0	0	0	Returns at Surface
17:39	0	0	0	0	0	0	20bbl/35secs returned
17:39	24.81	8.367	122.6	5.711	0	0	
17:40	28.25	8.388	150.5	5.711	0	0	
17:40	31.58	8.386	177.4	5.0	0	0	
17:41	34.85	8.4	205.4	5.593	0	0	
17:41	0	0	0	0	0	0	Lower Pump Rate

5-10-1995 2:16AM FROM

Well	Stalcup #	Field	Service Date	Customer	Job Number	
	C #24	hugoton	1/19/98	OXY USA INC	20040876	
Time	Cum Vol	Density	Pressure	Vol Flowrate	Message	
24 hr clock	bbl	ppg	psi	bpm		
17:41	37.89	8.4	180.8	2.692	0	0
17:42	39.17	8.375	186.6	2.481	0	0
17:43	40.62	8.339	178.6	2.474	0	0
17:43	41.97	8.317	178.0	1.818	0	0
17:44	42.9	8.281	183.4	1.587	0	0
17:44	43.83	8.178	193.8	1.577	0	0
17:45	0	0	0	0	0	0
17:45	43.99	8.083	626.1	5297E-7	0	0
17:45	0	0	0	0	0	0
17:45	43.99	8.091	404.8	5053E-11	0	0
17:46	43.99	8.085	7.692	4821E-15	0	0
17:47	43.99	8.094	5.228	4599E-18	0	0
17:47	43.99	8.092	5.464	4388E-23	0	0
17:48	0	0	0	0	0	0
Post Job Summary						
Average Pump Rates, bpm				Volume of Fluid Injected, bbl		
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer
4.5	0	0	6.5	105	0	25
Treating Pressure Summary, psi				Breakdown Fluid		
Maximum	Initial	Average	Bump Plug to Breakdown	Type	Volume	Density
180	630	50	630		0 bbl	0 lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement		<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed thru Parts to 0 ft		
0 %	0 bbl	42.6 bbl		20 bbl 35.543		
Customer or Authorized Representative			Dowell Supervisor		<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed	
Jake Slaten			Charley King			



Dowell

Dowell a Division of Schlumberger Technology Corporation
 204 S Missouri
 Ulysses, KS 67880
 Tel: 316 356 1272
 Fax: 316 356 1911

ORIGINAL

INVOICE

COPY

Service Date 01/20/1998		Job Number 20040876		Invoice Date 01/26/1998		Invoice 9090100716	
Bill To: OXY USA INC PO Box 2528 LIBERAL KS 67905				Bill To: Dowell a Division of Schlumberger Technology Corporation PO Box 201556 Houston TX 77216			
Terms 30 Days Net				Service Description DW Cementing-Cas, Cement Surface			
Customer PO		Contract		AFE		Price Reference	
						Dowell US	
Well		State		County/Parish/Block		Legal Location	
STALCUP 'C' 4		KS		Stevens		SBC:31 T:34S R:35W	
Field		Customer or Authorized Representative				Fig	
HUGOTON		Jake Slatten				CHEYENNE 8	
Item	Description	Quantity	Unit Price	Disc	Net Price	Net Amount	
49100000	Service Chg Cement Mat Land All DW Fur	288.000	CF 1.85	-30.000 %	1.2950	370.37	
49102000	Transportation Cement Ton Mile	634.000	MI 1.33	-30.000 %	0.9310	590.25	
59200002	Mileage, All Other Equipment	48.000	MI 3.47	-30.000 %	2.4290	116.59	
59697000	PACR Treatment Analysis Recorder	1.000	JOB 220.00	-30.000 %	154.0000	154.00	
102871010	Casing Cmnt 501-1000' 1st 6hr	1.000	EA 1,034.00	-30.000 %	723.8000	723.80	
*Sub-Total Services						1,955.01	
53003085	Insert, Orifice Fill	1.000	EA 440.00	-30.000 %	308.0000	308.00	
56008085	Basket, Cementing 8-5/8 In	1.000	EA 323.00	-30.000 %	226.1000	226.10	
56011085	Centralizer, Regular	4.000	EA 99.00	-30.000 %	69.3000	277.20	
56704085	Plug, Top Rubber Alum Core	1.000	EA 209.00	-30.000 %	146.3000	146.30	
D029	Cellophane Flakes D29	68.000	LB 2.02	-30.000 %	1.4140	96.15	
D046	Antifoam Agent, All Purpose D46	23.000	LB 3.90	-30.000 %	2.7300	62.79	
D079	Extender, Chemical D79	338.000	LB 1.65	-30.000 %	1.1550	390.39	
D903	Cement, Class C D903	271.000	CF 12.03	-30.000 %	8.4210	2,292.09	
K232	Thread Locking Compound Kit K232	1.000	EA 34.00	-30.000 %	23.8000	23.80	
S001	Calcium Chloride 77% S1	508.000	LB 0.51	-30.000 %	0.3570	181.36	
*Sub-Total Products						3,994.18	
*Total before tax						5,949.19	
*Tax, US State/CanGST 4.800 %						224.62	
*Tax, US City 1.000 %						45.83	
*Total Amount Due on or Before 02/25/98 payable in USD						6,219.64	

RECEIVED
 KANSAS CORP CO.

Please reference invoice number 9090100716 on payment.
 Thank you for calling Dowell



HALLIBURTON

HALLIBURTON ENERGY SERVICES

CHANGE TO
 OXY USA INC.
 ADDRESS
 P.O. BOX 2528
 CITY, STATE, ZIP CODE
 Liberal ks. 67905

TICKET
 No. 234513 - 1

PAGE RECEIVED
 HSAS (022 COMM)

SERVICE LOCATIONS
 1. 015340
 2. 025535
 3.
 4.

WELL/PROJECT NO. 2
 LEASE Hitch. 5
 COUNTY/PARISH Seward
 STATE KS
 CITY/OFFSHORE LOCATION Liberal

TICKET TYPE
 SERVICE
 SALES

WITROFFN JOB
 YES
 NO

CONTRACTOR Cheyenne
 RIG NAME/NO 7

SHIPPED VIA HOMO
 DELIVERED TO Location.

DATE 1-23-98
 OWNER SAME

ORDER NO.
 WELL PERMIT NO. 15175217010000
 WELL LOCATION Land

WELL TYPE 02
 WELL CATEGORY 01
 JOB PURPOSE 010

REFERRAL LOCATION
 INVOICE INSTRUCTIONS

JOB USE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
			LOC	ACCT	DF			UM		UM	
	000-117		1		41	MILEAGE	44	mi	3.65		160.16
	000-119		1			CREW mileage	44	mi	2.15		94.60
	001-016		1			PUMP CHOISE	1734	ft		6.01	1630.00
	030-018		1		41	SW TOP PIG	1	EA		87.00	143.00
	12A	825.217	1		32	G.Wide. Shop					238.00
	24A	815.19502	1		32	Insert					207.00
	27	815.19415	1		32	Fill					81.00
	41	806.61048	1		32	Cent.	4	EA	71.40		285.60
	320	806.71460	1		32	Cent Basket	1	EA			146.00
	350	890.10802	1		32	Weld A					18.00
	001-018		1		41	ADDITIONAL hrs.	4	hrs	376.00		1504.00

LEGAL NOTICE

DATE SIGNED: *Jerry Davis*

TYPE LOCK

SUB SURFACE SAFETY VALVE WAR
 PULLED & RETURN PULLED RUN

BEAN SIZE

TYPE OF EQUALIZING SUB

CASING PRESSURE

TUBING SIZE

TUBING PRESSURE

WELL DEPTH

SPACERS

TREE CONNECTION

TYPE VALVE

PAGE TOTAL 4508

FROM CONTINUATION PAGE(S) 11374

15887

SUB-TOTAL 9461.73

APPLICABLE TAXES WILL BE ADDED BY INVOICE

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) *Jerry Davis*

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) *Jerry Davis*

HALLIBURTON OPERATOR/ENGINEER *Mike Davis*

EMP # F4550

HALLIBURTON APPROVAL *Orville Anderson*

82-10-98 11:52A P.102
 FAX NO. 316 624 3478
 FROM: HALLIBURTON LIBERAL



Halliburton Energy Services

ORIGINAL

DATE:01-23-1998 TIME:17:49:12 SERVICE TICKET: 234513
 HUGOTON-25535 BULK TICKET ONLY: 800889
 JOB PURPOSE:SURFACE COMPANY TRUCK::75817 DRIVER: D.corpening S.Telford
 CUSTOMER: OXY USA Inc. LEASE & WELL#:Hitch S #2

504-282	MIDCON CEMENT PREMIUM PLUS	385	SKS.	18.48	7114.80
504-050	PREMIUM PLUS CEMENT	100	SKS.	15.69	1569.00
507-210	FLOCELE	218	LBS.	2.09	455.62
509-406	CALCIUM CHLORIDE	13	SKS.	46.90	609.70
500-207	SERVICE CHARGES	546	CU FT	1.66	906.36
					TOTAL 10655.48
500-306	WEIGHT: 48276	MILES: 24	TON MILES: 579.31	1.25	724.14
					TOTAL BOOK PRICE OF BULK TICKET: \$11379.62

41%

500-225 RETURN SERVICE CHARGES _____ 20% COST OF RET. MATERIALS
 1.66
 500-306 WEIGHT: _____ RETURN MILES: 24 TON MILES: _____ 1.25

RECEIVED
 KANSAS CORP CO.

JOB SUMMARY 4229.1

234513

1-23-98

REGION North America	COUNTRY USA	BOA / STAT KS	COUNTY USA Sevier
WELL ID / EMP # L10102 F-4550	EMPLOYEE NAME DICE Davis	PSL DEPARTMENT Cement	
LOCATION Liberal, KS	COMPANY HES	CUSTOMER REP / PHONE Jake Slatten	
TICKET AMOUNT 15887.85	WELL TYPE 01	API / UWI # - 1517521701000	
WELL LOCATION B. Land	DEPARTMENT Cement	JOB PURPOSE CODE 010	
LEASE / WELL # Hitch S	SEC / TRP / RING 28 / 325 / 34w		

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)
Brian McTigue H-2368			
Stan Tolford H-4817			
Dennis Corpening H-2491			

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
54038-75374	44						
52970-75817	24						
20502-6612	24						

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
1-23-98	1545	1-23-98	1-24-98	1-24-98

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar 8" P	1	H
Float Shear Pin	1	
Guide Shoe 8" D	1	O
Centralizers 5/8"	1	
Bottom Plug	1	
Top Plug 3/4"	1	
Head PC	1	
Packer	1	
Other BASKET	1	

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N.	24	8 1/2"	10	1724	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						

Open Hole _____ SHOTS/FT. _____
 Perforations _____
 Perforations _____
 Perforations _____

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	I. b.
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	
Permpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				CRAT 8 1/2" S-J 21.6
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER
 Ordered _____ Avail _____ Used _____
AVERAGE RATES IN BPM
 Treated _____ Disp _____ Overall _____
CEMENT LEFT IN PIPE
 Feet 41 Reason S-J

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	385	PLMC	0	3/16 CC 1/2" F10	3.22	11.1
1	100	PT	0	2 1/4 CC 1/4" P10	1.32	14.8

Circulating Breakdown _____ **Displacement** _____
 Average _____ **Maximum** _____
 Shut in: Instant _____ **Frac Gradient** _____
 5 Min _____ 15 Min _____

Preflush: Gal - BBI _____ **Type** _____
Load & Bkdn: Gal - BBI _____ **Pad:** BBI - Gal _____
Treatment: Gal - BBI _____ **Disp:** BBI - Gal 221.6
Cement Slurr: Gal _____ **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

[Signature]

REGION North America	JOB 3 4285	COUNTRY USA	234513	COUNTY seward
EMPLOYEE NAME TYCE Davis	PSL DEPARTMENT Z E	BOA/STATE S	12398	
LOCATION Liberal KS	COMPANY TYCE	CUSTOMER REP / PHONE JAKE SHOTEN		
TICKET AMOUNT 15887.85	WELL TYPE	APITIDAN# 15175217010000		
WELL LOCATION Land	DEPARTMENT	JOB PURPOSE CODE		
LEASE / WELL Hi-Tech S	SEC / TWP / RNG 28-32S/34W			

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
Brian McIntyre # 2308	Steve Telford # 4817	Dennis Carpenter # 2441	TYCE Davis # 4550

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESS. (psig)		JOB DESCRIPTION / REMARKS
				T	C	T09	C09	
	0545							Called out for job.
	1830							on loc. K.B. circ. on Det at 1730 F1
	1900							Start JB DP.
	1045							out of hole w/loop R.H. w/ logs
	1100							Log
	0045							out of hole w/logs R.H. up logs.
	0100							Start R.H. C.S. & F.R.
	0204							C.S. on Det Hook up R.H. P.L. & wire from
	0314							hpt circ. w/ R.H.
	0324							circ. to pit
	0329							Thru circ. hook from to pit.
	0323	6.5	221			200		PUMP 3855x R.H. at 11.1" H ₂ O
	0411	6.0	23.5			100		PUMP 1003x P.L. at 14.8" H ₂ O
	0414	0	244.5			0		Shut down R.H. P.L.
	0415	6.0	107.6			100		PUMP R.H.
	0415	6.0	107.6			120		0 bbls in amt to pit
	0424	2.0	107.6			230		100 bbls in 5 to rate.
	0437	2.0	107.6			200		Land P.L.
	0437	0	107.6			200		Release float - Held.
	0440	0	107.6			0		Job over
								107 bbls sent to pit
								187.5x sent to pit
								Thanks for calling HES
								TYCE Brian & crew

RECEIVED
HALLIBURTON
LIBERAL
11/11/98

Dowell a Division of Schlumberger Technology Corporation
 204 S Missouri
 Ulysses, KS 67880
 Tel: 316 356 1272
 Fax: 316 356 1911

ORIGINAL

INVOICE

COPY

Service Date	Job Number	Invoice Date	Invoice			
01/22/1998	20040894	01/26/1998	9090100896			
Bill To: OXY USA INC PO Box 2528 LIBERAL KS 67905		Remit To: Dowell a Division of Schlumberger Technology Corporation PO Box 201556 Houston TX 77216				
		Tax Registration Number: 22-1692661 We can invoice you EDI. Call (281) 285 4230 for more information.				
Terms 30 Days Net		Service Description DW Cementing-Case, Cement Prod				
Customer PO	Contract	A/E	Price Reference Dowell US			
Well STALCUP 'C' 4	State KS	County/Parish/Block Stevens	Legal Location SEC:31 T:34S R:35W			
Field HUGOTON	Customer or Authorized Representative Mr. Jake Slatten		Rig CHEYENNE 8			
Item	Description	Quantity	List Price	Disc	Net Price	Net Amount
49100000	Service Chg Cement Matl Land All DW Fur	394.000 CF	1.85	-30.000 %	1.2950	510.23
49102000	Transportation Cement Ton Mile	873.000 MI	1.33	-30.000 %	0.9310	812.76
59200002	Mileage, All Other Equipment	48.000 MI	3.47	-30.000 %	2.4290	116.59
59697000	PACR Treatment Analysis Recorder	1.000 JOB	220.00	-30.000 %	154.0000	154.00
102871030	Casing Cmnt 2501-3000' 1st 6hr	1.000 EA	1,716.00	-30.000 %	1,201.2000	1,201.20
	*Sub-Total Services					2,794.78
50101054	Shoe, Guide Cement Type 5 1/2 In	1.000 EA	210.00	-30.000 %	147.0000	147.00
53003054	Insert, Orifice Fill	1.000 EA	310.00	-30.000 %	217.0000	217.00
56008054	Basket, Cementing 5 1/2 In	1.000 EA	222.00	-30.000 %	155.4000	155.40
56011054	Centralizer, Regular	10.000 EA	80.00	-30.000 %	56.0000	560.00
56702054	Plug, Cementing 5 1/2 In Top Plastic	1.000 EA	91.00	-30.000 %	63.7000	63.70
D029	Cellophane Flakes D29	93.000 LB	2.02	-30.000 %	1.4140	131.50
D046	Antifoam Agent, All Purpose D46	41.000 LB	3.90	-30.000 %	2.7300	111.93
D079	Extender, Chemical D79	620.000 LB	1.65	-30.000 %	1.1550	716.10
D827	Chemical Wash CW100 D827	9.999 BL	46.77	-30.000 %	0.7794	327.35
D903	Cement, Class C D903	371.000 CF	12.03	-30.000 %	8.4210	3,124.19
K232	Thread Locking Compound Kit K232	1.000 EA	34.00	-30.000 %	-23.8000	23.80
L064	Clay Stabilizer L64	6.000 GA	37.51	-30.000 %	26.2570	157.54
M290	Bactericide M290	3.000 GA	72.00	-30.000 %	50.4000	151.20
S001	Calcium Chloride 77% S1	696.000 LB	0.51	-30.000 %	0.3570	248.47
	*Sub-Total Products					6,135.18
	*Total before tax					8,929.96
	*Tax, USState/CanGST	4.900 %				340.43
	*Tax, US City	1.000 %				69.48
	*Total Amount Due on or Before 02/25/98 payable in USD					9,339.87

Please reference invoice number 9090100896 on payment.

Thank-you for calling Dowell



Dowell

Cementing Service Rep.

ORIGINAL

Customer	OXY USA INC	Job Number	20040894
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Well		Location (legal)		Dowell Location		Service Date		
Stalcup 64		SEC 31-34S-35W		Ulysses, KS		1/19/98		
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD	
hugoton		CHASE		0	7.88 in	2,925 ft	2,925 ft	
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient	
Stevens		KS		0 psi	100 °F	0 °F	0 psi/ft	
Rlg Name	Drilled For	Service Via		Casing/Liner				
CHEYENNE 8	Gas	Land		Depth, ft	Size, in	Weight, lb/ft	Grade	
Offshore Zone	Well Class	Well Type		2922	5.5	15.5		
	New	Development		0	0	0		
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe			
Bentonite		9 lb/gal	0 cp		Depth,	Size, in	Weight, lb/ft	Grade
Service Line	Job Type		0	0	0			
Cementing	Cem Prod Casing		0	0	0			
Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	Wellhead Connection		Perforations/Open Hole				
0 psi	0 psi	5 1/2 Casing		Top, ft	Bottom, ft	spf	No. of Shots	
Service Instructions Cement and equipment to safely cement 5 1/2 casing as per customer's request				0	0	0	0	
				0	0	0	0	
				0	0	0	0	
Treat Down	Displacement	Packer Type		Packer Depth	Casing	69.2 bbl		
0 ft	0 ft			0 ft	Tubing Vol.	Casing Vol.	Annular Vol.	
0 bbl	69.5 bbl	0 bbl		0 bbl	0 bbl	0 bbl	0 bbl	
Casing/Tubing Secured		1 Hole Volume Circulated prior to Cementin	Casing Tools		Squeeze Job			
Lift Pressure:	670 psi	Shoe Type:	Guide	Squeeze Type				
Pipe Rotated	Pipe Reciprocated	Shoe Depth:	2922 ft	Tool Type:				
No. Centralizers:	10	Top Plugs:	1	Bottom Plugs:	0	Stage Tool Type:		
Cement Head Type:	Single	Stage Tool Depth:	0 ft	Tool Depth:	0 ft			
Job Scheduled For:	Arrived on Location:	Leave Location:		Collar Type:	Insert	Tall Pipe Size:		
1/22/98 2:00	1/22/98 2:00	1/22/98 7:30		Collar Depth:	2907 ft	Tall Pipe Depth:	0 ft	
						Sqz Total Vol:	0 bbl	

Time	CumVol	Density	Pressure	TotFlowrate				Message
24 hr clock	bbbl	ppg	psi	bpm				
5:27	0	0	0	0	0	0	0	START ACQUISITION
5:27	0	-6.269	-3602	0	0	0	0	
5:27	0	0	0	0	0	0	0	Pressure Test Lines
5:27	.1235	8.399	10.97	.9672	0	0	0	
5:28	.4011	8.4	1831	5675E-5	0	0	0	
5:28	0	0	0	0	0	0	0	Bleed Off Pressure
5:28	.4051	8.4	1775	3163E-8	0	0	0	
5:29	.4051	8.4	9.152	1132E-11	0	0	0	
5:29	0	0	0	0	0	0	0	[CumVol] = .4051 bbl
5:29	0	0	0	0	0	0	0	Reset Volume
5:29	0	0	0	0	0	0	0	Start Pumping Wash
5:29	6229E-6	8.4	8.401	.1864	0	0	0	
5:30	2.003	8.337	241.9	5.412	0	0	0	
5:30	4.736	8.351	236.4	5.464	0	0	0	
5:31	7.471	8.356	229.2	5.438	0	0	0	
5:31	10.19	8.354	232	5.43	0	0	0	
5:31	0	0	0	0	0	0	0	Reset Volume
5:31	0	0	0	0	0	0	0	[CumVol] = 10.38 bbl
5:31	0	0	0	0	0	0	0	Start Pumping Water
5:32	2.358	8.361	238.7	5.446	0	0	.0	
5:32	5.085	8.264	236.7	5.434	0	0	0	
5:33	7.809	8.322	243.8	5.438	0	0	0	

RECEIVED
OXY USA INC
1/22/98 11:11

Well		id.				Service Date	Custc	Job Number
Stalcup #84		hugoton				1/19/98	OXY USA INC	20040894
Time	CumVol	Density	Pressure	TotFlowrate				Message
24 hr clock	bbl	ppg	psl	bpm				
5:33	0	0	0	0	0	0	0	[CumVol] = 9.627 bbl
5:33	0	0	0	0	0	0	0	Reset Volume
5:33	0	0	0	0	0	0	0	Start Mixing Lead Slurry
5:33	.7271	10.72	258.1	5.432	0	0	0	
5:34	3.445	11.22	280.9	5.413	0	0	0	
5:34	6.166	11.11	266.6	5.435	0	0	0	
5:35	8.891	11.12	260.9	5.445	0	0	0	
5:35	11.62	11.07	247.1	5.451	0	0	0	
5:36	14.35	11.08	235	5.467	0	0	0	
5:36	17.09	11.04	225.4	5.471	0	0	0	
5:37	19.83	11.04	213.7	5.472	0	0	0	
5:37	22.57	10.96	200.5	5.479	0	0	0	
5:38	25.32	11.03	190.8	5.491	0	0	0	
5:38	28.07	11.07	183.1	5.481	0	0	0	
5:39	30.81	11.08	171	5.477	0	0	0	
5:39	33.56	11.04	163.4	5.485	0	0	0	
5:40	36.31	11.07	159.8	5.48	0	0	0	
5:40	39.05	11.28	162.6	5.474	0	0	0	
5:41	41.8	11.18	163.1	5.485	0	0	0	
5:41	44.55	11.08	162.1	5.49	0	0	0	
5:42	47.29	11.09	159.3	5.476	0	0	0	
5:42	50.04	11.01	159.2	5.479	0	0	0	
5:43	52.79	10.93	159.6	5.488	0	0	0	
5:43	55.54	11.1	161.7	5.483	0	0	0	
5:44	58.29	11.1	159	5.48	0	0	0	
5:44	61.03	11.02	158.9	5.496	0	0	0	
5:45	63.78	10.95	155.3	5.489	0	0	0	
5:45	66.54	11	154.2	5.492	0	0	0	
5:46	69.28	11.04	155.3	5.484	0	0	0	
5:46	72.03	11.05	160.1	5.487	0	0	0	
5:47	74.78	11.07	160.8	5.483	0	0	0	
5:47	77.53	11.07	161.5	5.483	0	0	0	
5:48	80.28	11.07	161	5.488	0	0	0	
5:48	83.04	11.07	160.9	5.489	0	0	0	
5:49	85.79	11.07	159.8	5.494	0	0	0	
5:49	88.54	11.04	160.7	5.494	0	0	0	
5:50	91.3	11.01	160	5.502	0	0	0	
5:50	94.05	11.01	159	5.49	0	0	0	
5:51	96.81	11.07	159.3	5.49	0	0	0	
5:51	99.56	11.07	159	5.507	0	0	0	
5:52	102.3	10.94	154.9	5.506	0	0	0	
5:52	105.1	10.87	155.4	5.505	0	0	0	
5:53	107.8	10.95	158.7	5.497	0	0	0	
5:53	110.6	10.89	158.9	5.498	0	0	0	
5:54	113.4	10.77	154.7	5.507	0	0	0	
5:54	116.1	10.88	158.4	5.502	0	0	0	
5:55	119	11.07	159	5.5	0	0	0	
5:55	121.7	11.11	161.3	5.501	0	0	0	
5:56	124.5	10.93	161.4	5.495	0	0	0	
5:56	127.2	10.91	159.1	5.489	0	0	0	
5:57	130	11.12	158.9	5.502	0	0	0	
5:57	132.7	11.13	160.2	5.501	0	0	0	
5:58	0	0	0	0	0	0	0	[CumVol] = 134.2 bbl
5:58	0	0	0	0	0	0	0	Reset Volume

ORIGINAL

RECEIVED
KANSAS CORP
1/19/98 5:00 PM

Well			id			Service Date		Custc	Job Number
Stalcup #B4			hugoton			1/19/98		OXY USA INC	20040894
Time	CumVol	Density	Pressure	TotFlowrate				Message	
24 hr clock	bbl	ppg	psl	bpm					
5:58	0	0	0	0	0	0	0	Start Mixing Tail Slurry	
5:58	1.103	11.4	159.2	5.502	0	0	0		
5:58	3.841	14.28	193.6	5.449	0	0	0		
5:59	6.57	14.65	222.1	5.451	0	0	0		
5:59	9.299	14.82	232.8	5.451	0	0	0		
6:00	12.13	14.96	224.7	5.453	0	0	0		
6:00	14.87	14.84	220.3	5.472	0	0	0		
6:01	17.27	15	131.5	3.801	0	0	0		
6:01	19.53	14.82	224.6	5.471	0	0	0		
6:02	22.28	14.81	230.1	5.488	0	0	0		
6:02	25.04	14.77	229.4	5.503	0	0	0		
6:03	27.79	14.87	231.1	5.5	0	0	0		
6:03	30.55	14.91	231.7	5.489	0	0	0		
6:04	33.3	14.84	231.4	5.493	0	0	0		
6:04	36.05	14.95	230.1	5.501	0	0	0		
6:05	38.81	14.65	234.5	5.506	0	0	0		
6:05	0	0	0	0	0	0	0	Shutdown	
6:05	0	0	0	0	0	0	0	[CumVol]=39.62 bbl	
6:05	0	0	0	0	0	0	0	Reset Volume	
6:05	0	13.66	27.58	9702E-6	0	0	0		
6:11	191E-6	9.237	27.05	5478E-11	0	0	0		
6:11	0	0	0	0	0	0	0	Drop Top Plug	
6:11	0	0	0	0	0	0	0	Start Displacement	
6:11	.0643	9.024	38.39	1.122	0	0	0		
6:12	2.389	9.229	166.3	5.565	0	0	0		
6:12	5.228	9.191	152.2	5.781	0	0	0		
6:13	8.116	9.307	149.4	5.77	0	0	0		
6:13	11	9.243	148.8	5.762	0	0	0		
6:14	13.89	9.149	148	5.757	0	0	0		
6:14	16.77	9.094	148.3	5.76	0	0	0		
6:15	19.66	8.996	146.7	5.765	0	0	0		
6:15	22.55	8.78	146	5.753	0	0	0		
6:16	25.43	8.752	147.1	5.75	0	0	0		
6:16	28.31	8.641	148.2	5.755	0	0	0		
6:17	31.2	8.634	146	5.755	0	0	0		
6:17	34.08	8.643	149.6	5.739	0	0	0		
6:18	36.95	8.628	153	5.738	0	0	0		
6:18	39.83	8.618	197.1	5.732	0	0	0		
6:19	42.7	8.499	245.3	5.705	0	0	0		
6:19	45.54	8.509	298.1	5.661	0	0	0		
6:20	48.37	8.555	358.8	5.628	0	0	0		
6:20	51.19	8.542	409.9	5.62	0	0	0		
6:21	54	8.484	440.6	5.609	0	0	0		
6:21	56.8	8.514	494.4	5.57	0	0	0		
6:22	59.59	8.457	530.8	5.578	0	0	0		
6:22	62.38	8.62	576.9	5.557	0	0	0		
6:23	65.16	8.483	615.5	5.546	0	0	0		
6:23	67.93	8.539	662.6	5.522	0	0	0		
6:23	0	0	0	0	0	0	0	Lower Pump Rate	
6:24	69.96	8.466	583.1	2.482	0	0	0		
6:24	0	0	0	0	0	0	0	Returns at Surface	
6:24	0	0	0	0	0	0	0	5bbl/9sks returned	
6:24	71.18	8.532	589.1	2.431	0	0	0		
6:25	72.38	8.528	614.2	2.378	0	0	0		

ORIGINAL

Well		id			Service Date		Custc		Job Number	
Stalcup #B4		hugoton			1/19/98		OXY USA INC		20040894	
Time	CumVol	Density	Pressure	TotFlowrate				Message		
24 hr clock	bbf	ppg	psf	bpm						
6:25	73.57	8.56	615.3	2.362	0	0	0			
6:26	74.75	8.552	640.9	2.344	0	0	0			
6:26	75.92	8.518	657.7	2.319	0	0	0			
6:27	77.08	8.513	658.4	2.314	0	0	0			
6:27	77.91	8.512	643.1	1.271	0	0	0			
6:28	78.54	8.519	652.1	1.265	0	0	0	ORIGINAL		
6:28	79.18	8.506	656.6	1.266	0	0	0			
6:29	79.81	8.447	675.7	1.261	0	0	0			
6:29	80.45	8.473	672.5	1.262	0	0	0			
6:30	81.07	8.454	1106	1.184	0	0	0			
6:30	0	0	0	0	0	0	0	Bump Top Plug		
6:30	0	0	0	0	0	0	0	Bleed Off Pressure		
6:30	81.13	5.227	1262	4006E-7	0	0	0			
6:31	81.13	.7226	609.8	1434E-10	0	0	0			
6:31	0	0	0	0	0	0	0	End Job		
6:31	81.13	.6016	52.24	5135E-14	0	0	0			

Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2		Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
4.5	0		0	5.7	165	0	20	0		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density		
670	1250	175	1250	0		0 bbl		0 lb/gal		
Avg. N2 Percent		Designed Slurry Volume		Displacement	<input checked="" type="checkbox"/> Cement Circulated to Surface?		Volume	5 bbl		
0 %		0 bbl		69.9 bbl	<input type="checkbox"/> Washed Thru Perfs To		0 ft	9 SKS		
Customer or Authorized Representative				Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			
Mr. Jake Slatten				Charley King						

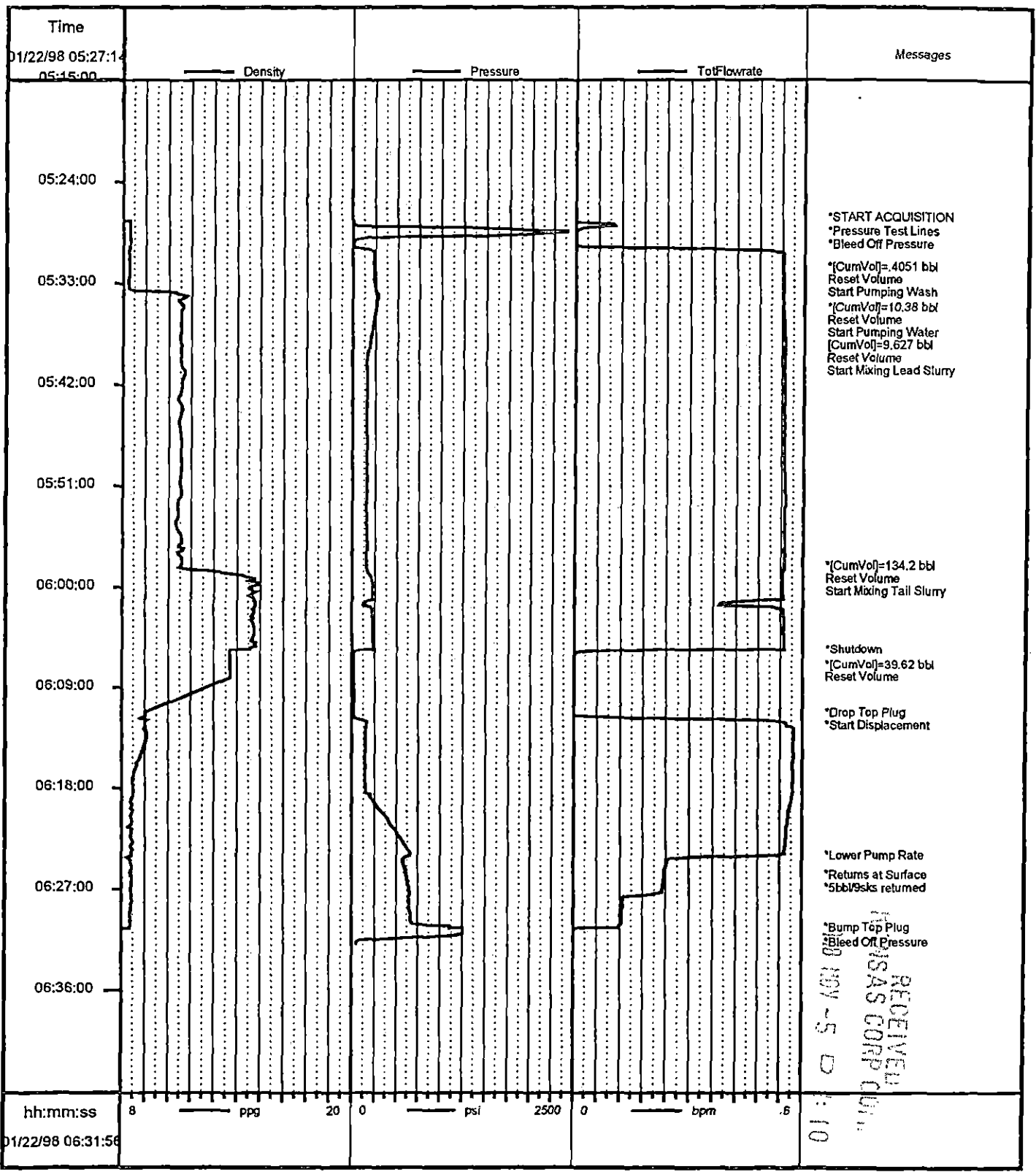
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Cementing Job Report

ORIGINAL PRISM* V2.21

Well	Stalcup C-4	Client	Oxy
Field	Hugoton	SIR No.	20040894
Country	USA	Job Date	1/22/98 5:27:14 AM



Messages

- *START ACQUISITION
- *Pressure Test Lines
- *Bleed Off Pressure
- *[CumVol]=4051 bbl
- Reset Volume
- Start Pumping Wash
- *[CumVol]=10.38 bbl
- Reset Volume
- Start Pumping Water
- [CumVol]=9.627 bbl
- Reset Volume
- Start Mixing Lead Slurry

- *[CumVol]=134.2 bbl
- Reset Volume
- Start Mixing Tail Slurry

- *Shutdown
- *[CumVol]=39.62 bbl
- Reset Volume

- *Drop Top Plug
- *Start Displacement

- *Lower Pump Rate
- *Returns at Surface
- *5bbl/9sks returned

- *Bump Top Plug
- *Bleed Off Pressure

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NOV -5 10

Job: oxy
01/22/1998 09:54

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01/22/98 06:31:56

* Mark of Schlumberger