

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

September 1999

CONFIDENTIAL

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form Must Be Typed

ORIGINAL

Operator: License # 5447  
Name: OXY USA Inc.  
Address: P.O. Box 2528  
City/State/Zip: Liberal, KS 67905  
Purchaser: Pending  
Operator Contact Person: Vicki Carder  
Phone: (620) 629-4200  
Contractor: Name: Murfin Drilling Co., Inc.  
License: 30606  
Wellsite Geologist: Tom Heflin  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl, Cathodic, etc)  
If Workover/Re-entry: Old Well Info as follows:  
Operator: OXY USA, Inc.  
Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. To Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_  
11/06/03 11/17/03 12/31/03  
Spud Date or  Date Reached TD  Completion Date or  
Recompletion Date  Recompletion Date

API No. 15 - 175-21912-0000  
County: Seward  
S/2 - NE - NE Sec 32 Twp. 32 S. R. 34W  
999 feet from S  (circle one) Line of Section  
539 feet from  W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one)  NE  SE  NW  SW  
Lease Name: Hitch H Well #: 3  
Field Name: \_\_\_\_\_  
Producing Formation: Council Grove  
Elevation: Ground: 2908 Kelly Bushing: 2919  
Total Depth: 6400 Plug Back Total Depth: 3096  
Amount of Surface Pipe Set and Cemented at 1729 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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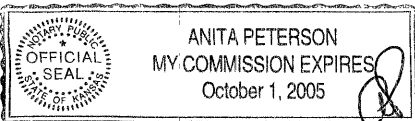
Drilling Fluid Management Plan ALT I WITH 2-6-07  
(Data must be collected from the Reserve Pit)  
Chloride content 1500 ppm Fluid volume 900 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp, \_\_\_\_\_ S. R.  East  West  
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 6702, 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 of 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: Vicki Carder  
Title: Capital Project Date February 26, 2004  
Subscribed and sworn to before me this 26<sup>th</sup> day of Feb  
20 04  
Notary Public: Anita Peterson  
Date Commission Expires: Oct. 1, 2005

KCC Office Use Only  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution



Side Two

Operator Name: OXY USA Inc. Lease Name: Hitch H Well #: 3  
 Sec. 32 Twp. 32 S. R. 34W  East  West County: Seward

**Instructions:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<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	2583	-336
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Herrington	2612	-307
List All E. Logs Run:	Neutron Induction	Paddock	2629	-290
Sonic	Geological Report	Krider	2642	-277
		Odell	2678	-241
		Winfield	2690	-229
		Gage	2724	-195
		Towanda	2743	-176

(See Side Three)

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
Conductor					C		
Surface	12 1/4	8 5/8	24	1729	C	560	Panhandle Lite + Additive See Attached Cmt Tkt for Additives
Production	7 7/8	4 1/2	10.5	3268	C	300	50/50 Lite Poz + Additive See Attached Cmt Tkt for Additives

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
3	2954-2957, 2961-2963, 2967-2969, 2972-2976, 2980-2982	Acidize - 1850 gls 15% HCL	
		Diverta Frac - 378 bbls 30# linear gel,	
		13313# 100 mesh sand, 43076 gls 75QN2 w/	
		30# linear gel, 37886# 12/20 mesh sand	

TUBING RECORD	Size 2 3/8	Set At 3015	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. 01/07/04	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil BBLS 0	Gas Mcf TSTM	Water Bbls 106	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  Perf.  Dually Comp.  Commingled

Production Interval  Other (Specify) \_\_\_\_\_

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Side Three

Operator Name: OXY USA Inc. Lease Name: Hitch H Well #: 3  
Sec. 32 Twp. 32 S. R. 34W  East  West County: Seward

Name	Top	Datum
Ft. Riley	2810	-109
Matfield	2883	-36
Wreford	2900	-19
Council Grove	2930	11
Wabaunsee	3335	416
Heebner	4186	1267
Toronto	4224	1305
Lansing	4331	1412
Marmaton	5013	2094
Cherokee	5216	2297
Atoka	5402	2483
Morrow	5621	2702
Chester	5870	2951
St. Genevieve	6246	3327

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Service Order

2003-Nov-05

Customer OXY USA, INC.		Person Taking Call Sola Lasasi, Tajudeen		Dowell Location Perryton, TX		OrderDate 2003-Nov-05		Job Number 2205544145				
Well Name and Number HITCH H-3			Legal Location		Field SEC 32-T32S-R34W		County SEWARD		State/Province KANSAS			
Well Master: 0630540050			API / UWI:									
Rig Name		Well Age New		Sales Engineer Cambren, Charles			Job Type Cem Surface Casing					
Time Well Ready:		Deviation		Bit Size 12.3 in		Well MD 1,750 ft		Well TVD 1,750 ft		BHP 1000 psi	BHST 100 °F	BHCT 86 °F
Treat Down Casing		Packer Type None		Packer Depth 0 ft		WellHead Connection 8 5/8 HS&M		HHP on Location		Max Allowed Pressure 1000		Max Allowed AnnPressure
<b>Casing</b>					<b>Services Instructions:</b>							
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	CEMENT 8 5/8 IN SURFACE CASING WITH: 410 SKS (PANHANDLE LITE CLASS C) + 0.2%D46 + 0.25 PPS D29 150 SKS CLASS C + 2% S001 + 0.25 PPS D29							
1950	8.625	24	K55	8RD								
<b>Tubing</b>												
Depth,	Size, in	Weight, lb/ft	Grade	Thread								
<b>Perforated Intervals</b>												
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval								
				ft								
				Diameter								
				in								
Expected On Location:					Ready To Pump:							

**Extra Equipment:**  
2 ABTS  
1 PUMP  
1 CEMCAT

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Contact	Voice	Mobile	FAX	Notes
Greg Fillpot				

**Notes:**  
8 5/8: TOP PLUG=== 8 5/8 CH & M

**Directions:**  
LIBERAL NORTH ON HWY 83 TO JCT WITH HWY 56 === 7 MILES WEST TO MARTINEY RD===EAST & NORTH INTO LOCATION

**Other Notes:**  
PLEASE FOLLOW CONVOY POLICIES AND BE SAFE!!!

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**Comments:**

BULK PLANT===== LOAD LEAD PANHANDLE LITE IN 1 ABT ===== TAIL IN ANOTHER ABT

**Fluid Systems:**

SPACER			
10 BBL OF FRESH WATER			
Density:	8.32 lb/gal	Thickening Time:	
Yield:	ft <sup>3</sup> /sk		
H2O Mix:	0 gal/sk		
H2O:	0 gal	Eq. Sack Weight:	0 lb
		Total Blend:	0 sacks
Dowell Code	Concl Amount	Total Quantity	

TAIL			
150 SKS CLASS C+2%S1+0.25 PPS D29			
Density:	14.8 lb/gal	Thickening Time:	
Yield:	1.34 ft <sup>3</sup> /sk		
H2O Mix:	6.3 gal/sk		
H2O:	945 gal	Eq. Sack Weight:	94 lb
		Total Blend:	150 sacks
Dowell Code	Concl Amount	Total Quantity	
D029	0.25 lbs/sk	37.5	
S001	1.88 lbs/sk	282	
CLASS C	94 lbs/sk	14100	

LEAD			
410 SKS CLASS C + 1.0% D30 + 2.0% D79 + 2.0% D053 + 3.0% S001 + 6 PPS D044 + 0.2% D46 + 0.25 PPS D29			
Density:	11.4 lb/gal	Thickening Time:	
Yield:	3.07 ft <sup>3</sup> /sk		
H2O Mix:	18.23 gal/sk		
H2O:	7474.3 gal	Eq. Sack Weight:	94 lb
		Total Blend:	410 sacks
Dowell Code	Concl Amount	Total Quantity	
D029	0.25 lbs/sk	102.5	
D046	0.188 lbs/sk	77.08	
D044	6 lbs/sk	2460	
S001	2.82 lbs/sk	1156.2	
D053	1.88 lbs/sk	770.8	
D079	1.88 lbs/sk	770.8	
D030	0.94 lbs/sk	385.4	
CLASS C	94 lbs/sk	38540	

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Cementing Service Report

**ORIGINAL**

OXY USA, INC. **CONFIDENTIAL** Job Number 2205544145

Well: HITCH H-3		Location (legal):		Schlumberger Location: Perryton, TX		Job Start: 2003-Nov-08			
Field: SEC 32-T32S-R34W		Formation Name/Type:		Deviation:		Well TVD: 1,730 ft			
County: SEWARD		State/Province: KANSAS		BHP: 1000 psi		BHT: 100 °F			
Well Master: 0630540050		API / UWI:		Casing/Liner					
Rig Name:		Drilled For: Oil & Gas		Service Via: Land		Depth, ft: 1729			
Offshore Zone:		Well Class: New		Well Type: Exploration		Size, in: 8.625			
Drilling Fluid Type:		Max. Density: lb/gal		Plastic Viscosity: cp		Weight, lb/ft: 24			
Service Line: Cementing		Job Type: Cem Surface Casing		Grade: K55					
Max. Allowed Tubing Pressure: 1000 psi		Max. Allowed Ann. Pressure: psi		Wellhead Connection: 8 5/8 HS&M		Thread: 8RD			
Service Instructions: CEMENT 8 5/8 IN SURFACE CASING WITH: 410 SKS (PANHANDLE LITE CLASS C) + 0.2% D46 + 0.25 PPS D29 150 SKS CLASS C + 2% S001 + 0.25 PPS D29				Perforations/Open Hole		Total Interval: ft			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job			
Lift Pressure: 360 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:			
No. Centralizers:		Top Plugs: 1		Bottom Plugs: 0		Shoe Depth: 1729 ft			
Cement Head Type: Single		Job Scheduled For: 2003-Nov-08 0:05		Arrived on Location: 2003-Nov-08 8:00		Leave Location:			
Stage Tool Type:		Stage Tool Depth: ft		Collar Type:		Collar Depth: 1990 ft			
Tail Pipe Size: in		Tail Pipe Depth: ft		Sqz Total Vol: bbl		Squeeze Type:			
Tool Type:		Tool Depth: ft		Tubing Vol: bbl		Casing Vol: 110 bbl			
Annular Vol: 127 bbl		Open Hole Vol: 237 bbl		Packer Type: None		Packer Depth: 0 ft			
Displacement: 107.7 bbl		Treat Down: Casing		Annular Vol: 127 bbl		Open Hole Vol: 237 bbl			
Date	Time	Treating Pressure (psi)	Flow Rate (bbl/min)	CMT DENS (lb/gal)	Volume (bbl)	0	0	0	Message
2003-Nov-08	5:34	0	0.0	8.44	0.0	0	0	0	
2003-Nov-08	5:34								Start Job
2003-Nov-08	5:34	0	0.0	8.44	0.0	0	0	0	
2003-Nov-08	5:34	0	0.0	8.44	0.0	0	0	0	
2003-Nov-08	5:35	0	0.0	8.44	0.0	0	0	0	
2003-Nov-08	5:35	64	0.0	8.44	0.0	0	0	0	
2003-Nov-08	5:36	1891	0.0	8.44	0.1	0	0	0	
2003-Nov-08	5:36								Pressure Test Lines
2003-Nov-08	5:36	1822	0.0	8.44	0.1	0	0	0	
2003-Nov-08	5:36	1968	0.0	8.44	0.1	0	0	0	
2003-Nov-08	5:37	1918	0.0	8.43	0.1	0	0	0	
2003-Nov-08	5:37	69	0.0	8.43	0.1	0	0	0	
2003-Nov-08	5:38	50	2.9	8.39	1.4	0	0	0	
2003-Nov-08	5:38	50	3.0	8.38	2.5	0	0	0	
2003-Nov-08	5:38								Start Pumping Spacer
2003-Nov-08	5:38	46	3.0	8.35	2.9	0	0	0	
2003-Nov-08	5:39	133	5.2	8.35	5.4	0	0	0	
2003-Nov-08	5:39	137	5.3	8.34	8.1	0	0	0	
2003-Nov-08	5:40	137	5.4	9.19	10.2	0	0	0	
2003-Nov-08	5:40								End Spacer
2003-Nov-08	5:40								Reset Total, Vol = 10.29 bbl
2003-Nov-08	5:40	142	5.4	9.28	10.3	0	0	0	

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Well		Field			Service Date		Customer		Job Number
HITCH #1-3		SEC 32-T32S-R34W			03312-Nov-08		OXY USA, INC.		2205544145
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	0	0	0	
2003-Nov-08	5:40	156	5.4	9.55	0.3	0	0	0	
2003-Nov-08	5:40								Start Mixing Lead Slurry
2003-Nov-08	5:40	156	5.4	9.76	0.4	0	0	0	
2003-Nov-08	5:40	160	5.5	11.21	3.2	0	0	0	
2003-Nov-08	5:41	165	5.5	11.52	5.9	0	0	0	
2003-Nov-08	5:41	160	5.5	11.77	8.7	0	0	0	
2003-Nov-08	5:42	156	5.6	11.80	11.5	0	0	0	
2003-Nov-08	5:42	156	5.6	11.86	14.3	0	0	0	
2003-Nov-08	5:43	156	5.6	11.78	17.1	0	0	0	
2003-Nov-08	5:43	156	5.7	11.76	19.9	0	0	0	
2003-Nov-08	5:44	151	5.7	11.70	22.7	0	0	0	
2003-Nov-08	5:44	146	5.7	11.60	25.6	0	0	0	
2003-Nov-08	5:45	151	5.7	11.62	28.4	0	0	0	
2003-Nov-08	5:45	151	5.8	11.57	31.3	0	0	0	
2003-Nov-08	5:46	151	5.9	11.46	34.2	0	0	0	
2003-Nov-08	5:46	146	5.9	11.52	37.2	0	0	0	
2003-Nov-08	5:47	151	5.9	11.63	40.1	0	0	0	
2003-Nov-08	5:47	146	5.9	11.56	43.0	0	0	0	
2003-Nov-08	5:48	151	6.0	11.63	46.0	0	0	0	
2003-Nov-08	5:48	151	5.9	11.62	48.9	0	0	0	
2003-Nov-08	5:49	151	5.9	11.17	51.9	0	0	0	
2003-Nov-08	5:49	151	6.0	11.81	54.9	0	0	0	
2003-Nov-08	5:50	156	6.1	12.09	58.0	0	0	0	
2003-Nov-08	5:50	151	6.1	12.10	61.0	0	0	0	
2003-Nov-08	5:51	146	6.0	11.76	64.1	0	0	0	
2003-Nov-08	5:51	146	6.1	11.75	67.1	0	0	0	
2003-Nov-08	5:52	146	6.1	11.72	70.1	0	0	0	
2003-Nov-08	5:52	142	6.1	11.80	73.2	0	0	0	
2003-Nov-08	5:53	146	6.1	11.46	76.2	0	0	0	
2003-Nov-08	5:53	142	6.1	11.47	79.3	0	0	0	
2003-Nov-08	5:54	137	6.1	11.35	82.4	0	0	0	
2003-Nov-08	5:54	137	6.1	11.27	85.4	0	0	0	
2003-Nov-08	5:55	137	6.1	11.01	88.5	0	0	0	
2003-Nov-08	5:55	133	6.1	11.08	91.5	0	0	0	
2003-Nov-08	5:56	128	6.1	11.32	94.6	0	0	0	
2003-Nov-08	5:56	128	6.1	11.43	97.6	0	0	0	
2003-Nov-08	5:57	133	6.2	11.50	100.7	0	0	0	
2003-Nov-08	5:57	133	6.1	11.55	103.8	0	0	0	
2003-Nov-08	5:58	133	6.1	11.38	106.8	0	0	0	
2003-Nov-08	5:58	133	6.2	11.62	109.9	0	0	0	
2003-Nov-08	5:59	133	6.1	11.74	112.9	0	0	0	
2003-Nov-08	5:59	133	6.1	11.72	116.0	0	0	0	
2003-Nov-08	6:00	133	6.1	11.53	119.1	0	0	0	
2003-Nov-08	6:00	137	6.2	11.66	122.1	0	0	0	
2003-Nov-08	6:01	133	6.2	11.60	125.2	0	0	0	
2003-Nov-08	6:01	133	6.1	11.60	128.3	0	0	0	
2003-Nov-08	6:02	133	6.1	11.63	131.4	0	0	0	
2003-Nov-08	6:02	133	6.1	11.48	134.5	0	0	0	
2003-Nov-08	6:03	128	6.1	11.71	137.5	0	0	0	
2003-Nov-08	6:03	128	6.2	12.09	140.6	0	0	0	
2003-Nov-08	6:04	124	6.1	12.28	143.7	0	0	0	
2003-Nov-08	6:04	128	6.1	11.70	146.7	0	0	0	
2003-Nov-08	6:05	128	6.1	11.22	149.8	0	0	0	
2003-Nov-08	6:05	128	6.2	11.21	152.9	0	0	0	

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Well		Field			Service Date		Customer		Job Number
HITCH #H-3		SEC 32-T32S-R34W			03312-Nov-08		OXY USA, INC.		2205544145
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2003-Nov-08	6:06	128	6.2	10.98	156.0	0	0	0	KCC FEB 27 2004 CONFIDENTIAL
2003-Nov-08	6:06	128	6.1	11.11	159.0	0	0	0	
2003-Nov-08	6:07	128	6.1	10.95	162.1	0	0	0	
2003-Nov-08	6:07	128	6.1	11.23	165.2	0	0	0	
2003-Nov-08	6:08	133	6.2	12.17	168.3	0	0	0	
2003-Nov-08	6:08	142	6.2	12.40	171.3	0	0	0	
2003-Nov-08	6:09	142	6.1	12.08	174.4	0	0	0	
2003-Nov-08	6:09	142	6.2	11.99	177.5	0	0	0	
2003-Nov-08	6:10	137	6.2	11.90	180.6	0	0	0	
2003-Nov-08	6:10	142	6.2	11.69	183.7	0	0	0	
2003-Nov-08	6:11	137	6.2	11.51	186.8	0	0	0	
2003-Nov-08	6:11	137	6.2	12.15	189.9	0	0	0	
2003-Nov-08	6:12	146	6.3	12.24	193.0	0	0	0	
2003-Nov-08	6:12	142	6.2	12.14	196.1	0	0	0	
2003-Nov-08	6:13	137	6.2	12.05	199.2	0	0	0	
2003-Nov-08	6:13	137	6.2	11.98	202.4	0	0	0	
2003-Nov-08	6:14	133	6.1	12.02	205.5	0	0	0	
2003-Nov-08	6:14	133	6.2	11.76	208.6	0	0	0	
2003-Nov-08	6:15	133	6.1	11.67	211.6	0	0	0	
2003-Nov-08	6:15	133	6.1	11.74	214.7	0	0	0	
2003-Nov-08	6:16	133	6.1	11.86	217.7	0	0	0	
2003-Nov-08	6:16	133	6.1	11.85	220.8	0	0	0	
2003-Nov-08	6:17	133	6.1	11.81	223.8	0	0	0	
2003-Nov-08	6:17	133	6.1	11.80	226.9	0	0	0	
2003-Nov-08	6:18	133	6.1	12.18	229.9	0	0	0	
2003-Nov-08	6:18	137	6.1	12.66	232.9	0	0	0	
2003-Nov-08	6:19	142	6.1	3.98	236.0	0	0	0	
2003-Nov-08	6:19	146	6.1	12.41	239.0	0	0	0	
2003-Nov-08	6:20	142	6.1	12.28	242.1	0	0	0	
2003-Nov-08	6:20	142	6.1	12.23	245.1	0	0	0	
2003-Nov-08	6:21	142	6.1	12.08	248.2	0	0	0	
2003-Nov-08	6:21	142	6.1	12.02	251.2	0	0	0	
2003-Nov-08	6:22	137	6.1	11.95	254.3	0	0	0	
2003-Nov-08	6:22	137	6.1	11.81	257.3	0	0	0	
2003-Nov-08	6:23	133	6.1	11.84	260.4	0	0	0	
2003-Nov-08	6:23	133	6.1	11.86	263.4	0	0	0	
2003-Nov-08	6:24	133	6.2	11.88	266.5	0	0	0	
2003-Nov-08	6:24	133	6.2	11.89	269.6	0	0	0	
2003-Nov-08	6:25	133	6.2	11.88	272.8	0	0	0	
2003-Nov-08	6:25	133	6.1	12.03	275.9	0	0	0	
2003-Nov-08	6:26	133	6.2	14.13	278.9	0	0	0	
2003-Nov-08	6:26	133	6.2	14.16	279.0	0	0	0	
2003-Nov-08	6:26								End Lead Slurry
2003-Nov-08	6:26								Reset Total, Vol = 279.14 bbl
2003-Nov-08	6:26	133	6.2	14.18	279.1	0	0	0	
2003-Nov-08	6:26	133	6.2	14.16	0.2	0	0	0	
2003-Nov-08	6:26								Start Mixing Tail Slurry
2003-Nov-08	6:26	96	4.9	13.89	2.6	0	0	0	
2003-Nov-08	6:27	101	4.9	14.14	5.0	0	0	0	
2003-Nov-08	6:27	110	4.9	14.74	7.5	0	0	0	
2003-Nov-08	6:28	124	4.9	14.97	9.9	0	0	0	
2003-Nov-08	6:28	133	4.9	15.39	12.4	0	0	0	
2003-Nov-08	6:29	124	4.9	14.94	14.8	0	0	0	
2003-Nov-08	6:29	119	4.9	14.60	17.3	0	0	0	

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Well		Field			Service Date		Customer		Job Number
HITCH #H-3		SEC 32-T32S-R34W			03312-Nov-08		OXY USA, INC.		2205544145
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	0	0	0	
2003-Nov-08	6:30	114	4.9	14.71	19.7	0	0	0	KCC FEB 27 2004 CONFIDENTIAL
2003-Nov-08	6:30	119	4.9	15.20	22.2	0	0	0	
2003-Nov-08	6:31	124	4.9	15.30	24.6	0	0	0	
2003-Nov-08	6:31	124	4.9	15.26	27.1	0	0	0	
2003-Nov-08	6:32	128	4.9	15.10	29.5	0	0	0	
2003-Nov-08	6:32	133	4.9	15.44	32.0	0	0	0	
2003-Nov-08	6:33	151	4.9	15.79	34.4	0	0	0	
2003-Nov-08	6:33	137	4.9	15.20	36.8	0	0	0	
2003-Nov-08	6:34	137	4.9	15.18	39.3	0	0	0	
2003-Nov-08	6:34	-9	0.0	15.10	40.0	0	0	0	
2003-Nov-08	6:34								End Tail Slurry
2003-Nov-08	6:34	-5	0.0	15.10	40.0	0	0	0	Reset Total, Vol = 40.00 bbl
2003-Nov-08	6:34								
2003-Nov-08	6:34	-5	0.0	15.10	0.0	0	0	0	Drop Top Plug
2003-Nov-08	6:34								
2003-Nov-08	6:34	-9	0.0	15.10	0.0	0	0	0	Start Displacement
2003-Nov-08	6:34								
2003-Nov-08	6:34	-5	0.0	15.10	0.0	0	0	0	
2003-Nov-08	6:35	-5	0.0	15.10	0.0	0	0	0	
2003-Nov-08	6:35	-5	0.0	13.21	0.0	0	0	0	
2003-Nov-08	6:36	-9	0.0	12.13	0.0	0	0	0	
2003-Nov-08	6:36								Reset Total, Vol = 0.00 bbl
2003-Nov-08	6:36	-5	0.0	11.43	0.0	0	0	0	
2003-Nov-08	6:36	-5	0.0	11.21	0.0	0	0	0	
2003-Nov-08	6:37	110	6.9	9.15	1.1	0	0	0	
2003-Nov-08	6:37	119	6.5	9.13	4.4	0	0	0	
2003-Nov-08	6:38	96	6.6	8.44	7.7	0	0	0	
2003-Nov-08	6:38	101	6.6	8.50	11.0	0	0	0	
2003-Nov-08	6:39	101	6.6	8.50	14.3	0	0	0	
2003-Nov-08	6:39	96	6.6	8.44	17.6	0	0	0	
2003-Nov-08	6:40	87	6.6	8.43	20.9	0	0	0	
2003-Nov-08	6:40	92	6.6	8.44	24.2	0	0	0	
2003-Nov-08	6:41	55	5.4	8.44	27.2	0	0	0	
2003-Nov-08	6:41	60	5.4	8.44	29.9	0	0	0	
2003-Nov-08	6:42	60	5.4	8.44	32.6	0	0	0	
2003-Nov-08	6:42	60	5.4	8.43	35.2	0	0	0	
2003-Nov-08	6:43	64	5.4	8.43	37.9	0	0	0	
2003-Nov-08	6:43	69	5.4	8.43	40.6	0	0	0	
2003-Nov-08	6:44	64	5.4	8.43	43.4	0	0	0	
2003-Nov-08	6:44	82	5.4	8.43	46.1	0	0	0	
2003-Nov-08	6:45	78	5.4	8.43	48.8	0	0	0	
2003-Nov-08	6:45	87	5.4	8.43	51.5	0	0	0	
2003-Nov-08	6:46	101	5.4	8.43	54.2	0	0	0	
2003-Nov-08	6:46	101	5.5	8.43	56.9	0	0	0	
2003-Nov-08	6:47	105	5.4	8.43	59.7	0	0	0	
2003-Nov-08	6:47	119	5.5	8.43	62.4	0	0	0	
2003-Nov-08	6:48	128	5.5	8.43	65.2	0	0	0	
2003-Nov-08	6:48	137	5.5	8.43	68.0	0	0	0	
2003-Nov-08	6:49	156	5.5	8.43	70.7	0	0	0	
2003-Nov-08	6:49	174	5.5	8.43	73.5	0	0	0	
2003-Nov-08	6:50	211	5.5	8.43	76.2	0	0	0	
2003-Nov-08	6:50	215	5.5	8.43	78.9	0	0	0	
2003-Nov-08	6:51	220	5.5	8.43	81.7	0	0	0	
2003-Nov-08	6:51	238	5.5	8.43	84.4	0	0	0	

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Well		Field			Service Date		Customer		
HITCH #H-3		SEC 32-T32S-R34W			03312-Nov-08		OXY USA, INC.		
							2205544145		
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	0	0	0	
2003-Nov-08	6:52	266	5.5	8.43	87.2	0	0	0	
2003-Nov-08	6:52	298	5.5	8.43	89.9	0	0	0	
2003-Nov-08	6:53	311	5.5	8.43	92.7	0	0	0	
2003-Nov-08	6:53	288	3.0	8.43	95.4	0	0	0	
2003-Nov-08	6:54	279	2.9	8.43	96.9	0	0	0	
2003-Nov-08	6:54	288	2.9	8.43	98.3	0	0	0	
2003-Nov-08	6:55	288	2.2	8.43	99.5	0	0	0	
2003-Nov-08	6:55	307	2.2	8.43	100.6	0	0	0	
2003-Nov-08	6:56	302	2.2	8.43	101.7	0	0	0	
2003-Nov-08	6:56	320	2.2	8.43	102.9	0	0	0	
2003-Nov-08	6:57	320	2.2	8.43	104.0	0	0	0	
2003-Nov-08	6:57	325	2.2	8.43	105.1	0	0	0	
2003-Nov-08	6:58	925	0.0	8.43	106.0	0	0	0	
2003-Nov-08	6:58								Bump Top Plug
2003-Nov-08	6:58	938	0.0	8.43	106.0	0	0	0	
2003-Nov-08	6:58	938	0.0	8.43	106.0	0	0	0	
2003-Nov-08	6:58								End Displacement
2003-Nov-08	6:58	938	0.0	8.42	106.0	0	0	0	
2003-Nov-08	6:59	934	0.0	8.42	106.0	0	0	0	
2003-Nov-08	6:59	0	0.0	8.42	106.0	0	0	0	
2003-Nov-08	7:00	5	0.0	8.42	106.0	0	0	0	
2003-Nov-08	7:00								End Job
2003-Nov-08	7:19								

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**Post Job Summary**

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5	0	0	6	290	0	10	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to Breakdown	Volume	Density		
			900		bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	170 bbl	
%	260 bbl	117.7 bbl	°F	<input type="checkbox"/> Washed Thru Perfs	To	ft	
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost	
Rep, Company			Ahrends, Timothy			<input checked="" type="checkbox"/> Job Completed	

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Customer: OXY USA, INC. Job Number: 2205544231  
 FEB 17 2004

Well: HITCH H-3 Location (legal): Perryton, TX Schlumberger Location: Perryton, TX Job Start: 2003-Nov-18

Field: SEC 32-T32S-R34W Formation Name/Type: BHP: 2000 psi Bit Size: 7.8 in Well MD: 6,500 ft Well TVD: 6,500 ft

County: SEWARD State/Province: KANSAS BHST: 125 °F BHCT: 118 °F Pore Press. Gradient: psi/ft

Well Master: 0630540050 API / UWI: Casing/Liner: Depth, ft: 6500 Size, in: 5.5 Weight, lb/ft: 17 Grade: Thread:

Rig Name: Drilled For: Oil & Gas Service Via: Offshore Zone: Well Class: New Well Type: Exploration

Drilling Fluid Type: Max. Density: lb/gal Plastic Viscosity: Depth, ft: Size, in: Weight, lb/ft: Grade: Thread:

Service Line: Cementing Job Type: Cem Prod Casing Perforations/Open Hole: Top, ft: Bottom, ft: spf: No. of Shots: Total Interval: ft

Max. Allowed Tubing Pressure: 2000 psi Max. Allowed Ann. Pressure: psi Wellhead Connection: 5 1/2 HS&M

Service Instructions: CEMENT 4 1/2 IN PRODUCTION CASING WITH: 20 BBLs CW 100 CEMENT: 275 SACKS 50:50 POZ H +2%D20+5 PPS D42+5 PPS D53+0.25%D112+0.25%D65+3%M117+0.2%D46 25 SKS 50/50 POZ + ADDS FOR RAT/MOUSE HOLE DISPLACE WITH: 2% L64 + 1# B69

Casing/Tubing Secured: [checked] 1 Hole Volume Circulated prior to Cementing: [checked] Casing Tools: Squeeze Job: Shoe Type: Squeeze Type:

Lift Pressure: 450 psi Pipe Rotated: [unchecked] Pipe Reciprocated: [checked] Shoe Depth: ft Tool Type:

No. Centralizers: Top Plugs: Bottom Plugs: Stage Tool Type: Tool Depth: ft

Cement Head Type: Single Stage Tool Depth: ft Tail Pipe Size: in

Job Scheduled For: Arrived on Location: 2003-Nov-18 14:30 Leave Location: 2003-Nov-18 18:00 Collar Type: Tail Pipe Depth: ft Collar Depth: ft Sqz Total Vol: bbl

Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbt/min	bbt	lb/gal	0	0	0	
2003-Nov-18	16:14					0	0	0	Start Job
2003-Nov-18	16:14	5	0.0	0.0	8.41	0	0	0	
2003-Nov-18	16:14								Pressure Test Lines
2003-Nov-18	16:14	5	0.0	0.0	8.41	0	0	0	
2003-Nov-18	16:14	5	0.0	0.0	8.41	0	0	0	
2003-Nov-18	16:15	37	0.0	0.0	8.41	0	0	0	
2003-Nov-18	16:16	14	0.0	0.0	8.41	0	0	0	
2003-Nov-18	16:17	60	0.0	0.0	8.41	0	0	0	
2003-Nov-18	16:18	1566	0.0	0.1	8.41	0	0	0	
2003-Nov-18	16:19	101	0.0	0.1	8.41	0	0	0	
2003-Nov-18	16:19	69	0.0	0.1	8.41	0	0	0	
2003-Nov-18	16:20	64	0.5	0.1	8.41	0	0	0	
2003-Nov-18	16:20								Pressure Test Lines
2003-Nov-18	16:20	73	0.7	0.1	8.41	0	0	0	
2003-Nov-18	16:20								Start Pumping Wash
2003-Nov-18	16:20	78	0.5	0.2	8.41	0	0	0	
2003-Nov-18	16:20								Reset Total, Vol = 0.18 bbl
2003-Nov-18	16:20	92	1.6	0.3	8.41	0	0	0	
2003-Nov-18	16:21	110	3.0	2.3	8.41	0	0	0	
2003-Nov-18	16:22	101	3.0	4.8	8.41	0	0	0	
2003-Nov-18	16:23	101	3.0	7.3	8.41	0	0	0	
2003-Nov-18	16:24	137	4.0	10.3	8.43	0	0	0	

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Well		Field		Service Date		Customer			Job Number
HITCH #H-3		SEC 32-T32S-R34W		03322-Nov-18		OXY USA, INC.			2205544231
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbf/min	bbl	lb/gal	0	0	0	KCC
2003-Nov-18	16:24	142	4.1	13.6	8.44	0	0	0	FEB 27 2004
2003-Nov-18	16:25	142	4.1	17.0	8.43	0	0	0	
2003-Nov-18	16:26	160	4.1	20.4	8.42	0	0	0	CONFIDENTIAL
2003-Nov-18	16:26	18	0.0	20.8	8.41	0	0	0	
2003-Nov-18	16:26								End Wash
2003-Nov-18	16:27	18	0.0	20.8	8.41	0	0	0	
2003-Nov-18	16:27								Reset Total, Vol = 20.78 bbl
2003-Nov-18	16:27								Start Cement Slurry
2003-Nov-18	16:27	18	0.0	0.0	8.41	0	0	0	
2003-Nov-18	16:28	14	0.0	0.0	8.41	0	0	0	
2003-Nov-18	16:29	14	0.0	0.0	9.86	0	0	0	
2003-Nov-18	16:29	9	0.0	0.0	11.44	0	0	0	
2003-Nov-18	16:30	55	1.6	0.3	12.50	0	0	0	
2003-Nov-18	16:31	78	1.3	2.2	12.45	0	0	0	
2003-Nov-18	16:32	9	0.0	2.2	12.22	0	0	0	
2003-Nov-18	16:33	14	0.0	2.2	12.81	0	0	0	
2003-Nov-18	16:34	82	0.0	2.2	12.44	0	0	0	
2003-Nov-18	16:34	82	2.2	3.2	12.44	0	0	0	
2003-Nov-18	16:35								Reset Total, Vol = 3.38 bbl
2003-Nov-18	16:35	9	0.0	3.4	12.46	0	0	0	
2003-Nov-18	16:35	9	0.0	0.0	12.50	0	0	0	
2003-Nov-18	16:36	9	0.0	0.0	11.69	0	0	0	
2003-Nov-18	16:37	9	0.0	0.0	11.81	0	0	0	
2003-Nov-18	16:38	14	0.0	0.0	11.82	0	0	0	
2003-Nov-18	16:38								Reset Total, Vol = 0.00 bbl
2003-Nov-18	16:38	14	0.0	0.0	11.82	0	0	0	
2003-Nov-18	16:39	64	0.0	0.0	11.63	0	0	0	
2003-Nov-18	16:39	174	4.4	2.3	11.85	0	0	0	
2003-Nov-18	16:40	156	4.5	6.1	13.41	0	0	0	
2003-Nov-18	16:41	124	4.5	9.8	13.99	0	0	0	
2003-Nov-18	16:42	124	4.5	13.5	13.95	0	0	0	
2003-Nov-18	16:43	146	4.9	17.6	14.04	0	0	0	
2003-Nov-18	16:44	151	4.9	21.7	13.88	0	0	0	
2003-Nov-18	16:44	146	4.9	25.7	13.88	0	0	0	
2003-Nov-18	16:45	151	4.9	29.8	13.80	0	0	0	
2003-Nov-18	16:46	146	4.9	33.9	13.91	0	0	0	
2003-Nov-18	16:47	156	4.9	38.0	14.07	0	0	0	
2003-Nov-18	16:48	151	4.9	42.1	13.81	0	0	0	
2003-Nov-18	16:49	156	4.9	46.2	13.82	0	0	0	
2003-Nov-18	16:49	151	4.9	50.4	13.82	0	0	0	
2003-Nov-18	16:50	160	5.0	54.5	13.92	0	0	0	
2003-Nov-18	16:51	165	5.0	58.6	14.09	0	0	0	
2003-Nov-18	16:52	160	5.0	62.8	14.01	0	0	0	
2003-Nov-18	16:53	156	5.0	67.0	13.87	0	0	0	
2003-Nov-18	16:54	151	5.0	71.1	13.84	0	0	0	
2003-Nov-18	16:54	160	5.0	75.3	13.90	0	0	0	
2003-Nov-18	16:55	165	5.0	79.4	14.07	0	0	0	
2003-Nov-18	16:56	174	5.0	83.6	14.25	0	0	0	
2003-Nov-18	16:57	165	5.0	87.7	14.24	0	0	0	
2003-Nov-18	16:58	46	0.0	89.3	14.14	0	0	0	
2003-Nov-18	16:59	229	5.9	92.2	9.28	0	0	0	
2003-Nov-18	16:59	215	6.5	97.1	9.01	0	0	0	
2003-Nov-18	17:00	92	0.0	102.2	8.43	0	0	0	
2003-Nov-18	17:01	9	0.0	102.2	8.47	0	0	0	

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Well		Field		Service Date		Customer			Job Number
HITCH #1-3		SEC 32-T326-R34W		03/22/11 03/22-Nov-18		OXY USA, INC.			2205544231
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbl/min	bbl	lb/gal	0	0	0	
2003-Nov-18	17:01								End Cement Slurry
2003-Nov-18	17:01	5	0.0	102.2	8.47	0	0	0	
2003-Nov-18	17:01	5	0.0	102.2	8.47	0	0	0	
2003-Nov-18	17:01								Reset Total, Vol = 102.19 bbl
2003-Nov-18	17:02								Start Displacement
2003-Nov-18	17:02	9	0.0	0.0	8.47	0	0	0	
2003-Nov-18	17:02	5	0.0	0.0	8.47	0	0	0	
2003-Nov-18	17:02								Drop Top Plug
2003-Nov-18	17:02	5	0.0	0.0	8.47	0	0	0	
2003-Nov-18	17:03	50	3.7	1.8	8.41	0	0	0	
2003-Nov-18	17:04	50	4.4	5.1	8.43	0	0	0	
2003-Nov-18	17:04	50	4.4	11.6	8.43	0	0	0	
2003-Nov-18	17:05	50	4.4	15.3	8.43	0	0	0	
2003-Nov-18	17:06	50	4.4	19.0	8.43	0	0	0	
2003-Nov-18	17:07	50	4.4	22.7	8.43	0	0	0	
2003-Nov-18	17:08	133	4.5	26.4	8.43	0	0	0	
2003-Nov-18	17:09	201	4.5	30.1	8.43	0	0	0	
2003-Nov-18	17:09	275	4.5	33.9	8.43	0	0	0	
2003-Nov-18	17:10	233	2.2	37.1	8.43	0	0	0	
2003-Nov-18	17:11	266	1.9	38.7	8.42	0	0	0	
2003-Nov-18	17:12	302	1.8	40.2	8.42	0	0	0	
2003-Nov-18	17:13	325	1.8	41.8	8.42	0	0	0	
2003-Nov-18	17:14	362	1.8	43.3	8.42	0	0	0	
2003-Nov-18	17:14	389	1.8	44.8	8.42	0	0	0	
2003-Nov-18	17:15	435	1.8	46.4	8.42	0	0	0	
2003-Nov-18	17:16	453	1.4	47.7	8.42	0	0	0	
2003-Nov-18	17:17	380	0.0	48.3	8.42	0	0	0	
2003-Nov-18	17:18	851	0.0	48.6	8.42	0	0	0	
2003-Nov-18	17:18								Bump Top Plug
2003-Nov-18	17:18	851	0.0	48.6	8.42	0	0	0	
2003-Nov-18	17:18	851	0.0	48.6	8.42	0	0	0	
2003-Nov-18	17:18								End Displacement
2003-Nov-18	17:19	-5	0.0	48.6	8.42	0	0	0	
2003-Nov-18	17:19								End Job
2003-Nov-18	17:19	-5	0.0	48.6	8.42	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	
5	0	0	6	90	0	20		
Treating Pressure Summary, psi				Breakdown Fluid				
Maximum	Final	Average	Bump Plug to Breakdown	Volume	Density			
1500		400	830		bbl	lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface? Volume			
%	83 bbl		49.2 bbl	°F	<input type="checkbox"/> Washed Thru Perfs To ft			
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed
FILLPOT, GREGG			Gonzales, Paul					

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