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

Form ACO-1

September 1999

Form Must Be Typed

ORIGINAL

Operator: License # 5447 Name: OXY USA Inc. Address: P.O. Box 2528 City/State/Zip: Liberal, KS 67905 Purchaser: 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: X New Well Re-Entry Workover X Oil SWD SLOW 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. 05/21/03 05/30/03 06/27/03

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 175-21897-0000 County: Seward NW - NE - SE - NW Sec 29 Twp. 32 S. R. 34W 1640 feet from S (N) Line of Section 2186 feet from E (W) Line of Section

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

Lease Name: Hitch T Well #: 1 Field Name: Un-named

Producing Formation: Morrow Elevation: Ground: 2933 Kelly Bushing: 2944

Total Depth: 6400 Plug Back Total Depth: 6110 Amount of Surface Pipe Set and Cemented at 1745 feet

Multiple Stage Cementing Collar Used? Yes X No If yes, show depth set 3224

If Alternate II completion, cement circulated from feet depth to w/ sx cmt.

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

Chloride content 1100 ppm Fluid volume 1700 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.:

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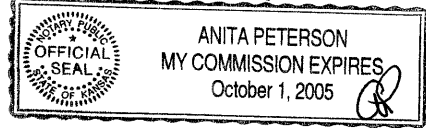
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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 6702, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 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 August 28, 2003. Subscribed and sworn to before me this 28th day of Aug. 20 03 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



Operator Name: OXY USA Inc. Lease Name: Hitch T Well #: 1

Sec. 29 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	Council Grove	2937 -7
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	4203 1259
List All E. Logs Run:	Cement Volume Neutron	Toronto	4224 1280
Induction Microlog Sonic		Lansing	4327 1383
Geological Report		Marmaton	4992 2048
		Cherokee	5188 2244
		Atoka	5368 2424
		Morrow	5593 2649
		(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	1745	C	550	35/65 POZ + Additives See Attached Cmt Tkt
Production	7 7/8	4 1/2	10.5	6402	H	300	50/50 POZ + Additives See Attached Cmt Tkt

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	2500-3224	H	250	50/50 POZ + Additives (See Attached Cmt Tkt)
<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	6142-6146		
	CIBP @ 6110 w/2 sxs cmt		
3	5790-5798	Acidize - 750 gls 15% FE-MCA	
		35000 gls YFGOIII gelled diesel, 40000#	
		20/40 Jordan-Unimin sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	5845		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
07/10/03	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil BBLS	Gas Mcf	Water Bbbs	Gas-Oil Ratio	Gravity
	12	65	6	5417	

Disposition of Gas

METHOD OF COMPLETION

Production Interval

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

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Side Three

Operator Name: OXY USA Inc. Lease Name: Hitch T Well #: 1

Sec. 29 Twp. 32 S. R. 34W  East  West County: Seward

Name	Top	Datum
Chester	5842	2898
St. Genevieve	6217	3273
St. Louis	6223	3279

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INVOICE NO.
Date 5-11-03
Customer ID

Subject to Correction

FIELD ORDER

6410

CHARGE

OXY USA

Lease HITCH	Well # T-1	Legal 29-32-34
County SEWARD	State KS.	Station PRATT, KS
Depth 3224'	Formation FORT COLLINS	Shoe Joint
Casing	Casing Depth	TD
Customer Representative DAVID RICE	Treater K. GORDLEY	Job Type CEMENT PORT CEMENT

AFE Number	PO Number
------------	-----------

Materials Received by X David Rice

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D104	250 SK	50/50 P02 PREMIUM	✓			RECEIVED
C146	435 lb	KCL	✓	KCC		SEP 02 2003
C311	1225 lb	CHE SET	✓	AUG 24 2003		KCC WICHITA
C321	1225 lb	BRUSONITE	✓			
C195	126 lb	FLA-322	✓	CONFIDENTIAL		
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E107	250 SK	CEMENT SERV. CHARGE				
E100	20 mile	UNITS	MILES			
E104	210 TON	TONS	MILES			
R307	1 EA.	EA.	PUMP CHARGE			
		PRICE	=	4651.50		

10244 NE Hiway 61 · P.O. Box 8613 · Pratt, KS 67124-8613 · Phone (620) 672-1201 · Fax (620) 672-5383 TOTAL



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TREATMENT REPORT

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Customer ID	Date	
Customer	5-11-03	
Lease	Lease No.	Well #
HITCH		T-1
Field Order #	Station	Casing
6410	PRATT, KS.	
Type Job	Formation	Legal Description
CEMENT PORT COLLAR - NW	PORT COLLAR-3224	29-32-34
Depth	County	State
	SEWARD	KS.

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
	2 7/8			Pre Pad	KCC			5 Min.
Depth	Depth	From	To	Pad	AUG 26 2003	Max		10 Min.
	3224			Frac	CONFIDENTIAL	Min		15 Min.
Volume	Volume	From	To	Flush		Avg		
	12.5					HHP Used		Annulus Pressure
Max Press	Max Press	From	To			Gas Volume		Total Load
Well Connection	Annulus Vol.	From	To					
Plug Depth	Packer Depth	From	To					

Customer Representative	Station Manager	Treater
D. RICE	ACTRY	K. GORDLEY
Service Units	107	26
	44	76

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1000					ON LOCATION
1130	2000		1	1	FIND PORT COLLAR - 3224'
1138	300				PSI TEST CASING - 2000#
					RELEASE PSI TO 300#
					OPEN PORT COLLAR
1135		500	1	2 1/2	INT. RATE - 2 1/2 BPM - 500#
		500	5	2 1/2	BROADENED CURE
1138		500	0	2 1/2	MIX CEMENT - 250 SL.
					* 50/50 POZ PREMIUM 2% GEL,
					5#/SK OAL SET, 5#/SK GILSONITE,
					6/10% FUA - 322
		300	68	2 1/2	FINISH MIX CEMENT
1157		300	0	2 1/2	START DISP
1202		1000	12	2 1/2	FINISH DISP
		400			CLOSE PORT COLLAR
1205	2000				PSI TEST - 2000#
					RUN 2 JOINTS
1215	400		25	2	REVERSE OUI
1300					JOB COMPLETE
					THANKS - KEVIN

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**Schlumberger**

**Service Order**

**ORIGINAL**  
2003-May-31

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Customer OXY USA, INC.		Person Taking Call Lingo, Monty		Dowell Location Perryton, TX		OrderDate 2003-May-30		Job Number 2205542886				
Well Name and Number HITCH T-1			Legal Location		Field HOLT WEST		County SEWARD		State/Province KANSAS			
Well Master: 0630498898			API / UWI:									
Rig Name			Well Age New		Sales Engineer Parra Bandala-Dolores, Maria			Job Type Cem Prod Casing				
Time Well Ready: 5/31/2003 10:00 PM		Deviation 0 °		Bit Size 7 in		Well MD 5,800 ft		Well TVD 5,800 ft		BHP 2000 psi	BHST 134 °F	BHCT 124 °F
Treat Down Casing		Packer Type None	Packer Depth 0 ft		WellHead Connection 4 1/2 HS&M		HHP on Location		Max Allowed Pressure 2000		Max Allowed AnnPressure	
<b>Casing</b>					<b>Services Instructions:</b>							
Depth, ft	Size, in	Weight, lb/ft		Grade	Thread		CEMENT 4 1/2 PRODUCTION WITH:					
5800	4.5	11.6		K55	8RD		SPACER: 10 BBLs CW100#					
							TAIL: 325 SACKS 50:50 POZ+ADDS (25 sacks for MOUSE AND RATHOLE)					
<b>Tubing</b>					<b>Extra Equipment:</b>							
Depth,	Size, in	Weight, lb/ft		Grade	Thread		1 ABT					
							1 PUMP					
							1 CEMCAT					
<b>Perforated Intervals</b>												
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval								
				ft								
				Diameter								
				in								
Expected On Location: 5/31/2003 10:00 PM Ready To Pump: 5/31/2003												

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**Notes:**  
1 TOP AND BOTTOM PLUG

**Directions:**  
NORTH OF LIBERAL === ON HWY 83 TO HWY 51 === 7 MILES WEST TO MARTENEY RD  
== 4 1/2 MILES NORTH === 1/2 MILE EAST === NORTH INTO

**Other Notes:**  
BE SAFE!!!

**Comments:**

**Fluid Systems:**

<b>MOUSE&amp;RAT</b>			
25 SACKS 50:50 POZ MIX			
<i>Density:</i>	13.8 lb/gal	<i>Thickening Time:</i>	
<i>Yield:</i>	1.55 ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	7.1 gal/sk		
<i>H2O:</i>	177.5 gal	<i>Eq. Sack Weight:</i>	86.5 lb
		<i>Total Blend:</i>	sacks
<b>Dowell Code</b>	<b>Conc/ Amount</b>	<b>Total Quantity</b>	

<b>SPACER</b>			
10 BBLs CW100			
<i>Density:</i>	lb/gal	<i>Thickening Time:</i>	
<i>Yield:</i>	ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	0 gal/sk		
<i>H2O:</i>	0 gal	<i>Eq. Sack Weight:</i>	0 lb
		<i>Total Blend:</i>	0 sacks
<b>Dowell Code</b>	<b>Conc/ Amount</b>	<b>Total Quantity</b>	
D122A	5 gal	5	
J237A	3 gal	3	

<b>TAIL</b>			
325 SACKS 50:50 POZ H+2%D20+5 PPS D42+5 PPS D53+0.25%D059+0.25%D65+3%KCL+0.2%D46			
<i>Density:</i>	13.8 lb/gal	<i>Thickening Time:</i>	3 HRS
<i>Yield:</i>	1.55 ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	7.1 gal/sk		
<i>H2O:</i>	2307.5 gal	<i>Eq. Sack Weight:</i>	86.5 lb
		<i>Total Blend:</i>	325 sacks
<b>Dowell Code</b>	<b>Conc/ Amount</b>	<b>Total Quantity</b>	
D046	0.173 lbs/sk	56.225	
CLASS H	47 lbs/sk	15275	
POZ	39.5 lbs/sk	12837.5	
D020	1.73 lbs/sk	562.25	
D042	5 lbs/sk	1625	
D053	5 lbs/sk	1625	
D059	0.216 lbs/sk	70.2	
D065	0.216 lbs/sk	70.2	
M117	2.595 lbs/sk	843.375	

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Customer  
OXY USA, INC.

Job Number  
2205542886

Well HITCH T-1		Location (legal) KCC			Schlumberger Location Perryton, TX			Job Start 2003-Jun-01		
Field HOLT WEST		Formation Name/Type		Deviation 0		Bit Size 7 in	Well MD 6,400 ft	Well TVD 6,400 ft		
County SEWARD		State/Province KANSAS		BHP 2000 psi	BHST 134 °F	BHCT 124 °F	Pore Press. Gradient psi/ft			
Well Master: 0630498898		API / UWI:		Casing/Liner						
Rig Name	Drilled For Oil & Gas	Service Via		Depth, ft 6404.65	Size, in 4.5	Weight, lb/ft 11.6	Grade K55	Thread 8RD		
Offshore Zone	Well Class New	Well Type Development		Tubing/Drill Pipe						
Drilling Fluid Type		Max. Density lb/gal	Plastic Vi: cp	Depth,	Size, in	Weight, lb/ft	Grade	Thread		
Service Line Cementing	Job Type Cem Prod Casing		Perforations/Open Hole							
Max. Allowed Tubing Pressure 600 psi	Max. Allowed Ann. Pressure psi	WellHead Connection 4 1/2 HS&M		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft		
Service Instructions CEMENT 4 1/2 PRODUCTION WITH:  SPACER: 10 BBLs CW1000 TAIL: 325 SACKS 50:50 POZ+ADDS (25 sacks for MOUSE AND RATHOLE)				Diameter in	Treat Down Casing	Displacement 101 bbl	Packer Type None	Packer Depth 0 ft		
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>			Tubing Vol. bbl	Casing Vol. bbl	Annular Vol. bbl	Open Hole Vol bbl			
Lift Pressure: 1307 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>		Casing Tools			Squeeze Job	
No. Centralizers:	Top Plugs: 1	Bottom Plugs: 1	Shoe Type: Guide	Shoe Depth: 6404.65 ft	Squeeze Type	Tool Type:				
Cement Head Type: Double		Stage Tool Type	Stage Tool Depth: ft	Tail Pipe Size: in						
Job Scheduled For: 5/31/2003 22:00		Arrived on Location: 2003-May-31 22:00		Leave Location: 2003-Jun-01 2:00		Collar Type: Float	Tail Pipe Depth: ft	Collar Depth: 6357 ft		Sqz Total Vol: bbl
Date	Time	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	0	0	0	Message	
2003-Jun-01	0:11	5	0.0	8.35	0.0	0	0	0		
2003-Jun-01	0:16	224	3.9	8.35	5.7	0	0	0	pump chem wash	
2003-Jun-01	0:21	156	1.7	14.23	13.4	0	0	0	cement mouse and rat holes	
2003-Jun-01	0:26	14	0.0	14.27	16.6	0	0	0		
2003-Jun-01	0:27								Reset Total, Vol = 16.63 bbl	
2003-Jun-01	0:27	14	0.0	14.24	16.6	0	0	0		
2003-Jun-01	0:27	37	2.1	12.92	0.0	0	0	0		
2003-Jun-01	0:27								Remark	
2003-Jun-01	0:31	197	5.7	13.73	25.6	0	0	0		
2003-Jun-01	0:36	215	5.7	14.21	54.2	0	0	0		
2003-Jun-01	0:41	224	5.8	14.54	82.8	0	0	0	end cement	
2003-Jun-01	0:46	14	0.0	8.35	101.9	0	0	0	pum p out lines	
2003-Jun-01	0:46								Reset Total, Vol = 101.93 bbl	
2003-Jun-01	0:46	14	0.0	8.35	0.0	0	0	0		
2003-Jun-01	0:51	119	6.6	8.36	29.6	0	0	0		
2003-Jun-01	0:56	114	6.6	8.37	62.6	0	0	0		
2003-Jun-01	1:01	467	4.6	8.29	88.0	0	0	0		
2003-Jun-01	1:06	668	2.5	8.37	101.5	0	0	0	end displacement bump plug	
2003-Jun-01	1:08	1318	0.0	8.37	103.9	0	0	0	floats held	
2003-Jun-01	1:08								Reset Total, Vol = 103.89 bbl	
2003-Jun-01	1:21									

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*Well HITCH WT-1		Field HOLT WEST		Service Date 03152-Jun-01		Customer OXY USA, INC.		Job Number 2205642886	
Date	Time 24 hr clock							Message	
<b>Post Job Summary</b>									
Average Pump Rates, bpm				Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
55			7	83		10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume		Density		
600		200	1300						
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface?	Volume		lb/gal	
%	83 bbl		101 bbl	°F	<input type="checkbox"/> Washed Thru Perfs	To	ft		
Customer or Authorized Representative			Schlumberger Supervisor						
REP, COMPANY			king, michael			<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed	

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Customer: Oxy USA	Job #: 2205542740
Well name: Hitch	Job Type: Surface
Well #: T 1	Bit Size: 12 1/4
County: Seward	Well Depth: 1745
State: Kansas	Stage: 1

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**System 1**

400 sks 35/65 Poz/C+6%D20+2%S1+.25#/sk D29+.2%D46

2.18 :yield 155 bbl cmt

12.31 :H2O 117 bbl H2O

12.2 wt. 872 cu. ft.

1340 ann Psi 2113 ann. ft

**System 2**

150 sks Class C+2%S1

1.32 :yield 35 bbl cmt

6.3 :H2O 23 bbl H2O

14.8 wt. 198 cu. ft.

369 ann. Psi 480 ann. ft

**Nitrogen**

0 bbl of 9.3 lb/gal mud

0 scf/bbl 0 cooldown nitrogen

0 scf downhole 0 height ann.

0 scf total used 0 psi ann.hyd.

**Mud Removal/Spacer**

10 bbl of Freshwater 8.34 lb/gal

136 ft ann. Height 59 psi ann. hyd.

**Pipe Data**

8.625 O.D. DV Tool \_\_\_\_\_ feet

8.097 I.D.

Csg Wt.	Feet	cap.	volume
24	1744.35	0.0637	111.12 bbl
32	7	0.0609	0.43 bbl
24	0	0.0637	0.00 bbl

TD	1745 feet	6.35 ft above floor
TP	1751.35 feet	111.54 bbl
SJ	43.16 feet	2.75 bbl
Float @	1708.19 feet	108.8 bbl

**Annular Data**

12.250 OH cap. 0.1458 bbl/ft

0.0735 bbl/ft 0.4127 cuft/ft

13.6035 ft/bbl 2.4229 ft/cuft

Csg Wt. Air	42088.4 lb.
CrossSect. Area	6.9345 sq. in.
Bouyancy	8154 lb.
Csg Wt. Fluid	33934 lb.
Csg Inside Area	51.4919 sq. in.
Csg Lift Pressure	659 psi
Ann Hydrostatic	1176 psi
Differential	435 psi

**Totals**

Nitrified Mud	0 bbl with	0 scf/bbl
Freshwater	10 bbl @	8.34 lb/gal
System 1	155 bbl @	12.2 lb/gal
System 2	35 bbl @	14.8 lb/gal
Displacement	108.8 bbl with	0 % flush
OpenHole Volume	254 bbl	
Annular Volume	129 bbl	
Total Cement	188 bbl	
Total Water	326 bbl needed	
Differential	435 psi	
Casing Lift	659 psi	
Top of Scav/Lead	0 ft	
Top of Tail	1309 ft	
Total Excess	46 %	

**Water**

Chlorides	ok	PH	ok
Sulfates	ok	Tanin/Lignin	n/a
Iron	ok	usable?	yes

**Displacement Chemicals**

0 % Treated Displacement

L055	0 gal/1000	0 gal total
L064	0 gal/1000	0 gal total
F103	0 gal/1000	0 gal total
Sugar	0 lbs.	0 lbs total

**Chemical Wash**

none	0 gal needed
none	0 gal needed

**Time**

Stage	Vol	Rate	Minutes
N2/Mud	0	4	0
Spacer	10	5.7	2
Lead	155	5.7	27
Tail	35	5.7	6
Displace	98.8	8	12
Slowdown	10	2	5
<b>Total Time</b>			<b>73</b>

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