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KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

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Form ACO-1

September 1999

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: NCRA  
Operator Contact Person: Vicki Carder  
Phone: (620) 629-4200  
Contractor: Name: Murfin Drilling Co., Inc.  
License: 30606  
Wellsite Geologist: NA  
Designate Type of Completion:  
X New Well X Re-Entry      Workover  
X 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: Hickman D-1

API No. 15 - 081-20991-0001  
County: Haskell  
     - W/2 - SE - NW Sec 28 Twp. 30 S. R. 33W  
1980 feet from S (N) (circle one) Line of Section  
1651 feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE (NW) SW  
Lease Name: Hickman D Well #: 1  
Field Name: Victory  
Producing Formation: St. Louis  
Elevation: Ground: 2948 Kelly Bushing: 2953  
Total Depth: 5670 Plug Back Total Depth: 5629  
Amount of Surface Pipe Set and Cemented at 1650 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.

Original Comp. Date: 02/15/96 Original Total Depth: 5700  
     Deepening X 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. \_\_\_\_\_  
07/14/05 07/16/05 08/12/05  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

Drilling Fluid Management Plan ALTI WITH  
4-3-2007  
(Data must be collected from the Reserve Pit)  
Chloride content 34000 mg ppm Fluid volume 300 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 November 7, 2005  
Subscribed and sworn to before me this 7th day of Nov  
20 05  
Notary Public: Anita Peterson  
Date Commission Expires: Oct 1, 2009

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

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ANITA PETERSON  
Notary Public - State of Kansas  
My Appt. Expires October 1, 2009

Operator Name: OXY USA Inc. Lease Name: Hickman D Well #: 1  
Sec. 28 Twp. 30 S. R. 33W  East  West County: Haskell

**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 <input type="checkbox"/> Yes <input type="checkbox"/> No <small>(Attach Additional Sheets)</small> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <small>(Submit Copy)</small> List All E. Logs Run: <u>CBL</u>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	--

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					C		
Production	7 7/8	4 1/2	10.5	5670	H	375	50/50 Litepoz + 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
4	5501-5513	Acidize- 5000 gls 17% FE Acid	

TUBING RECORD	Size 2 3/8	Set At 5552	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. 08/19/05	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 34	Gas Mcf 0	Water Bbls .8	Gas-Oil Ratio	Gravity
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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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## Cementing Service Report

Customer <b>OXY USA, INC.</b>						Job Number <b>2205548946</b>							
Well <b>Hickman D 1</b>			Location (legal) <b>Sec 28-T30S-r34W</b>			Schlumberger Location <b>Perryton, TX</b>			Job Start <b>2005-Jul-17</b>				
Field <b>Victory</b>		Formation Name/Type			Deviation		Bit Size <b>7.88 in</b>	Well MD <b>5,670 ft</b>	Well TVD <b>5,670 ft</b>				
County <b>Haskell</b>		State/Province <b>Kansas</b>			BHP <b>795 psi</b>	BHST <b>137 °F</b>	BHCT <b>°F</b>	Pore Press. Gradient <b>psi/ft</b>					
Well Master: <b>0630706075</b>		API / UWI:			<b>Casing/Liner</b>								
Rig Name <b>MURFIN 20</b>		Drilled For <b>Oil &amp; Gas</b>		Service Via <b>Land</b>		Depth, ft <b>5673</b>	Size, in <b>4.5</b>	Weight, lb/ft <b>10.5</b>	Grade <b>J55</b>	Thread <b>STC</b>			
Offshore Zone		Well Class <b>Old</b>		Well Type <b>Development</b>		<b>Tubing/Drill Pipe</b>							
Drilling Fluid Type		Max. Density <b>8.8 lb/gal</b>		Plastic Viscosity <b>cp</b>		Depth,	Size, in	Weight, lb/ft	Grade	Thread			
Service Line <b>Cementing</b>		Job Type <b>Cem Prod Casing</b>				<b>Perforations/Open Hole</b>							
Max. Allowed Tubing Pressure <b>1500 psi</b>		Max. Allowed Ann. Pressure <b>3259 psi</b>		Wellhead Connection <b>4 1/2 HS&amp;M</b>		Top, ft	Bottom, ft	spr	No. of Shots	Total Interval <b>ft</b>			
Service Instructions <b>CEMENT 4½ PRODUCTION CASING WITH:                  20 BBLS CW100                  375 SKS 50/50 Poz:H+2%D20+3%M117+ 5 PPS D42+5 PPS D53+0.25                  %D112+ 0.25 %D65 + 0.25%D46                  DISPLACE W/FRESH WATER</b>						Diameter <b>in</b>	Packer Type	Packer Depth <b>ft</b>	Open Hole Vol <b>321 bbl</b>				
						Treat Down <b>Casing</b>	Displacement <b>89.7 bbl</b>	Annular Vol. <b>230 bbl</b>	Tubing Vol. <b>bbl</b>	Casing Vol. <b>90.2 bbl</b>	Total Interval <b>ft</b>	Packer Depth <b>ft</b>	Open Hole Vol <b>321 bbl</b>
						Treat Down <b>Casing</b>	Displacement <b>89.7 bbl</b>	Annular Vol. <b>230 bbl</b>	Tubing Vol. <b>bbl</b>	Casing Vol. <b>90.2 bbl</b>	Total Interval <b>ft</b>	Packer Depth <b>ft</b>	Open Hole Vol <b>321 bbl</b>
						Treat Down <b>Casing</b>	Displacement <b>89.7 bbl</b>	Annular Vol. <b>230 bbl</b>	Tubing Vol. <b>bbl</b>	Casing Vol. <b>90.2 bbl</b>	Total Interval <b>ft</b>	Packer Depth <b>ft</b>	Open Hole Vol <b>321 bbl</b>
Casing/Tubing Secured <input type="checkbox"/>						1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>			<b>Casing Tools</b>				
Lift Pressure: <b>520 psi</b>						Shoe Type: <b>Guide</b>			Squeeze Job <b>Squeeze Type</b>				
Pipe Rotated <input type="checkbox"/>						Pipe Reciprocated <input type="checkbox"/>			Shoe Depth: <b>5673 ft</b>				
No. Centralizers: <b>Top Plugs: 1 Bottom Plugs: 1</b>						Stage Tool Type:			Tool Depth: <b>ft</b>				
Cement Head Type: <b>Single</b>						Stage Tool Depth: <b>ft</b>			Tail Pipe Size: <b>in</b>				
Job Scheduled For: <b>7/17/2005</b>						Arrived on Location: <b>2005-Jul-16 23:30</b>			Leave Location: <b>2005-Jul-17 3:30</b>				
						Collar Type: <b>Auto-Fill</b>			Tail Pipe Depth: <b>ft</b>				
						Collar Depth: <b>5641.07 ft</b>			Sqz Total Vol: <b>bbl</b>				
Date	Time	Pressure	Density	CMT VOL	CMT RATE	CMT NRD RATE	0	0	Message				
	24 hr clock	psi	lb/gal	bbl	bbl/min	bbl/min	0	0					
2005-Jul-17	1:00	0	8.29	0.0	0.0	0.0	0	0					
2005-Jul-17	1:00								Filling Up Lines				
2005-Jul-17	1:00	0	8.29	0.0	0.0	0.0	0	0					
2005-Jul-17	1:01								Pressure Test Lines				
2005-Jul-17	1:01	0	8.29	0.0	0.0	0.0	0	0					
2005-Jul-17	1:01	0	8.29	0.0	0.0	0.0	0	0					
2005-Jul-17	1:02	9	8.30	0.0	0.0	2.1	0	0					
2005-Jul-17	1:03	151	8.29	0.0	0.0	0.2	0	0					
2005-Jul-17	1:04	5	8.29	0.0	0.0	0.0	0	0					
2005-Jul-17	1:04	0	8.29	0.0	0.0	0.0	0	0					
2005-Jul-17	1:05	233	8.29	0.8	3.2	3.0	0	0					
2005-Jul-17	1:05								Reset Total, Vol = 0.76 bbl				
2005-Jul-17	1:05								Start Pumping Wash				
2005-Jul-17	1:05	247	8.29	0.6	4.5	4.5	0	0					
2005-Jul-17	1:06	316	8.30	3.9	5.3	5.4	0	0					
2005-Jul-17	1:07	325	8.31	8.3	5.3	5.3	0	0					
2005-Jul-17	1:08	343	8.29	12.8	5.4	5.4	0	0					
2005-Jul-17	1:09	311	8.35	17.3	5.4	5.6	0	0					
2005-Jul-17	1:09								Reset Total, Vol = 19.01 bbl				
2005-Jul-17	1:09	23	8.29	19.0	0.0	0.0	0	0					
2005-Jul-17	1:09								Start Mixing Slurry				
2005-Jul-17	1:09	23	8.28	0.0	0.0	0.0	0	0					

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Well		Field			Service Date		Customer		Job Number
Hickman D #1		Victory			05198-Jul-17		OXY USA, INC.		2205548946
Date	Time	Pressure	Density	CMT VOL	CMT RATE	CMT NRD RATE	0	0	Message
	24 hr clock	psi	lb/gal	bbl	bbl/min	bbl/min	0	0	
2005-Jul-17	1:09	23	8.29	0.0	0.0	0.0	0	0	
2005-Jul-17	1:10	32	10.86	0.0	0.0	4.5	0	0	
2005-Jul-17	1:11	5	13.25	0.0	0.0	5.2	0	0	
2005-Jul-17	1:12	5	14.49	0.0	0.0	5.3	0	0	
2005-Jul-17	1:13	82	14.13	0.0	0.0	2.6	0	0	
2005-Jul-17	1:14	0	13.73	0.0	0.0	0.4	0	0	
2005-Jul-17	1:14	14	13.74	0.0	0.0	0.0	0	0	
2005-Jul-17	1:15	9	13.75	0.0	0.0	0.0	0	0	
2005-Jul-17	1:16	5	13.73	0.0	0.0	0.0	0	0	
2005-Jul-17	1:17								Fling Up Mouse Hole
2005-Jul-17	1:17	96	13.55	0.9	3.0	2.9	0	0	
2005-Jul-17	1:17	96	13.55	1.1	3.0	2.9	0	0	
2005-Jul-17	1:18	0	13.53	3.1	0.0	0.1	0	0	
2005-Jul-17	1:19	0	10.90	3.1	0.0	5.0	0	0	
2005-Jul-17	1:19	14	13.47	3.1	0.0	5.3	0	0	
2005-Jul-17	1:20	101	14.33	3.4	3.0	0.1	0	0	
2005-Jul-17	1:20	183	13.89	3.9	3.0	1.1	0	0	
2005-Jul-17	1:20								Pumped total 3.5 bbl each
2005-Jul-17	1:21								Start Pumping Slurry Downhole
2005-Jul-17	1:21	124	13.84	0.9	1.2	0.4	0	0	
2005-Jul-17	1:21	224	13.84	1.6	3.1	2.0	0	0	
2005-Jul-17	1:22	426	13.51	6.0	6.0	5.8	0	0	
2005-Jul-17	1:23	380	13.78	11.0	6.0	5.9	0	0	
2005-Jul-17	1:24	302	13.72	16.1	6.0	5.8	0	0	
2005-Jul-17	1:24	238	13.76	21.1	6.0	5.9	0	0	
2005-Jul-17	1:25	179	13.81	26.1	6.0	5.9	0	0	
2005-Jul-17	1:26	169	13.59	31.2	6.1	5.9	0	0	
2005-Jul-17	1:27	174	13.77	36.2	6.1	6.0	0	0	
2005-Jul-17	1:28	82	14.28	40.6	3.9	4.0	0	0	
2005-Jul-17	1:29	78	13.70	43.9	3.9	4.1	0	0	
2005-Jul-17	1:29	179	13.53	48.4	6.3	6.3	0	0	
2005-Jul-17	1:30	179	13.68	53.6	6.1	6.1	0	0	
2005-Jul-17	1:31	192	13.91	58.8	6.3	6.5	0	0	
2005-Jul-17	1:32	201	13.78	64.2	6.5	6.4	0	0	
2005-Jul-17	1:33	146	13.57	69.5	5.4	5.4	0	0	
2005-Jul-17	1:34	137	13.64	74.0	5.4	5.3	0	0	
2005-Jul-17	1:34	169	13.85	78.7	6.0	6.0	0	0	
2005-Jul-17	1:35	160	13.64	83.5	5.9	5.8	0	0	
2005-Jul-17	1:36	160	13.56	88.4	5.9	5.8	0	0	
2005-Jul-17	1:37	105	13.58	93.1	5.0	4.9	0	0	
2005-Jul-17	1:38	78	14.20	95.8	3.0	4.1	0	0	
2005-Jul-17	1:39	73	14.11	98.3	3.0	4.0	0	0	
2005-Jul-17	1:39								Reset Total, Vol = 100.05 bbl
2005-Jul-17	1:39	-9	13.53	100.0	0.0	0.2	0	0	
2005-Jul-17	1:39	-9	13.53	0.0	0.0	0.0	0	0	
2005-Jul-17	1:40								Drop Top Plug
2005-Jul-17	1:40	-9	13.53	0.0	0.0	0.0	0	0	
2005-Jul-17	1:40	-5	13.54	0.0	0.0	0.0	0	0	
2005-Jul-17	1:41	5	12.43	0.0	0.0	0.0	0	0	
2005-Jul-17	1:42	238	8.69	0.0	5.3	5.3	0	0	
2005-Jul-17	1:43	229	8.41	0.0	5.3	5.3	0	0	
2005-Jul-17	1:44	211	8.24	0.0	5.3	5.2	0	0	
2005-Jul-17	1:44	5	8.31	0.0	0.0	0.0	0	0	
2005-Jul-17	1:45	5	8.31	0.0	0.0	0.0	0	0	

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Well		Field			Service Date		Customer		Job Number
Hickman D#1		Victory			05198-Jul-17		OXY USA, INC.		2205548946
Date	Time	Pressure	Density	CMT VOL	CMT RATE	CMT NRD RATE	0	0	Message
	24 hr clock	psi	lb/gal	bbbl	bbbl/min	bbbl/min	0	0	
2005-Jul-17	1:45								Start Displacement
2005-Jul-17	1:45								Reset Total, Vol = 0.00 bbl
2005-Jul-17	1:45	0	8.31	0.0	0.0	0.0	0	0	
2005-Jul-17	1:46	60	8.28	0.8	5.1	5.6	0	0	
2005-Jul-17	1:47	96	8.30	5.8	6.0	6.3	0	0	
2005-Jul-17	1:48	96	8.28	10.8	6.0	6.4	0	0	
2005-Jul-17	1:49	96	8.30	15.8	6.0	6.3	0	0	
2005-Jul-17	1:49	96	8.28	20.8	6.1	6.4	0	0	
2005-Jul-17	1:50	92	8.28	25.9	6.0	6.3	0	0	
2005-Jul-17	1:51	92	8.28	30.9	6.1	6.3	0	0	
2005-Jul-17	1:52	69	8.28	35.9	6.0	6.3	0	0	
2005-Jul-17	1:53	73	8.28	40.9	6.0	6.3	0	0	
2005-Jul-17	1:54	687	8.28	45.9	5.9	5.9	0	0	
2005-Jul-17	1:54	339	8.28	51.0	6.2	6.1	0	0	
2005-Jul-17	1:55	435	8.28	56.1	6.1	6.1	0	0	
2005-Jul-17	1:56	545	8.28	61.2	6.1	6.1	0	0	
2005-Jul-17	1:57	641	8.28	66.4	6.2	6.2	0	0	
2005-Jul-17	1:58	737	8.28	71.5	6.1	6.2	0	0	
2005-Jul-17	1:59	842	8.28	76.6	5.9	5.9	0	0	
2005-Jul-17	1:59	888	8.28	81.4	5.5	5.5	0	0	
2005-Jul-17	2:00	833	8.28	83.6	2.4	2.4	0	0	
2005-Jul-17	2:01	883	8.28	85.6	2.4	2.4	0	0	
2005-Jul-17	2:02	929	8.28	87.5	2.4	2.4	0	0	
2005-Jul-17	2:03	1501	8.28	88.3	0.0	0.0	0	0	
2005-Jul-17	2:03	1479	8.28	88.3	0.0	0.0	0	0	
2005-Jul-17	2:03								Reset Total, Vol = 88.25 bbl
2005-Jul-17	2:03	1479	8.28	0.0	0.0	0.0	0	0	
2005-Jul-17	2:03								Bleed Off Pressure
2005-Jul-17	2:04	471	8.28	0.0	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	N2		
6			6.2	100		20			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
1500		350	1479			lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		<input type="checkbox"/> Cement Circulated to Surface?	Volume			
%	89.7 bbl	87.75 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, Greg			Grella Chacon, Miguel						

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Date	07/16/05
Company	OXY USA
Job Number	2205548946
Well Name	HICKMAN
Well Number	D' 1
County	HASKELL
State	KS

# Schlumberger

Pipe Size	4 1/2	
Pipe Weight	10.5	10.5
Pipe Depth	5673	
Shoe Length	31.93	
Insert Depth	5641.07	
Hole Size	7 7/8	
Hole Depth	5670	

1st System	
375 sacks	50/50 Poz/H
1.55 yield	2%D20+3%M117+0.25%D65+0.25%D46
13.8 weight	.+0.25%D112+ 5ppsD42+5ppsD53
7.1 water	63.4
cubic ft.	581
height	2550
bbls	104

321

Pipe Volume	90.2
Annular Volume	230
Total Cement	104
Total Water	153

Pipe Factor	0.0159	0.0159
Annular Factor	0.0406	
Height Factor	4.3868	

2nd System	
sacks	
yield	
weight	
water	0
cubic ft.	0
height	0
bbls	0

Casing lift 3745  
Cement lift 1004

Test 2500

3rd System	
sacks	
yield	
weight	
water	0
cubic ft.	0
height	0
bbls	0

20 CW100

104 Lead 13.8

0 Tail 0

4th System	
sacks	
yield	
weight	
water	0
cubic ft.	0
height	0
bbls	0

89.7 Displacement  
Fresh Water

Mud density 8.8

Pump Time @ 5 BPM 39 MIN

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