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Form ACO-1  
September 1999

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

ORIGINAL

Operator: License # 5447  
Name: OXY USA Inc.  
Address: P.O. Box 2528  
City/State/Zip: Liberal, KS 67905  
Purchaser: NA  
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. \_\_\_\_\_  
03/25/04 04/03/04 04/04/04

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

API No. 15 - 067-21570-0000  
County: Grant  
SW - SW - NE Sec 19 Twp. 27 S. R. 35W  
2026 feet from S  (circle one) Line of Section  
2065 feet from  W (circle one) Line of Section

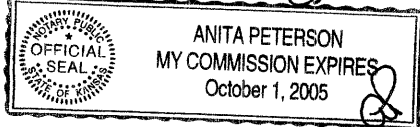
Footages Calculated from Nearest Outside Section Corner:  
(circle one)  NE  SE  NW  SW  
Lease Name: Glasscock A Well #: 1  
Field Name: Wildcat  
Producing Formation: NA  
Elevation: Ground: 3104 Kelly Bushing: 3115  
Total Depth: 5744 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 1758 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.

*ALT I WITH 11-27-06*  
Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content 2400 mg/l 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.: \_\_\_\_\_

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 July 13, 2004  
Subscribed and sworn to before me this 13 day of July  
20 04  
Notary Public: Anita Peterson  
Date Commission Expires: Oct. 1, 2005



RELEASED  
KCC Office Use  FROM  
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 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: Glasscock A Well #: 1  
 Sec. 19 Twp. 27 S. R. 35W  East  West County: Grant

**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 type="checkbox"/> Yes <input checked="" 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	Cherokee	4792	-1677	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Marmaton	4639	-1524	
List All E. Logs Run:	Sonic	Microlog	Lansing	4004	-889
Induction	Neutron	Geological Report	Morrow	5148	-2033
			Atoka	5066	-1951
			Heebner	3956	-841
			Chester	5310	-2195
			St. Genevieve	5494	-2379
			St. Louis	5600	-2485

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	1758	C	650	Panhandle Lite + Additive
Production					C		

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
	100 sxs @ 3050', 50 sxs @ 1790', 40 sxs @ 730',		
	10 sxs @ 40'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	NA			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.	Producing Method			
NA	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) Well P&A			
Estimated Production Per 24 Hours	Oil BBLS	Gas Mcf	Water Bbbs	Gas-Oil Ratio Gravity
	NA	NA	NA	

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) P&A Well

Production Interval \_\_\_\_\_

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Date	3/26/2004
Company	OXY USA, INC.
Job Number	2205545499
Well Name	GLASSCOCK A-1
Well Number	A-1
County	GRANT
State	KANSAS

Schlumberger

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Pipe Size	8 5/8	
Pipe Weight	24	24
Pipe Depth	1759	
Shoe Length	45	
Insert Depth	1714	
Hole Size	12 1/4	
Hole Depth	1758	

PANHANDLE LITE	
500 sacks	Class C
2.61 yield	D029 S001 D046 D044
12 weight	D053 D079 D030
15 water	179
cubic ft.	1305
height	2670
bbls	232

241	Pipe Volume	112
	Annular Volume	129
	Total Cement	268
	Total Water	310

Pipe Factor	0.0637	0.0637
Annular Factor	0.0735	
Height Factor	2.0462	

CLASS C + ADDS	
150 sacks	CLASS C
1.32 yield	S001 D029
14.8 weight	
6.3 water	23
cubic ft.	198
height	405
bbls	35.3

Casing lift	723
Cement lift	379

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

Test 2000  
0 Mud  
10 Spacer  
232 Lead 12  
35 Tail 14.8

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

109.2 Displacement

1000 Maximum Pressure

Pump time @ 4 BPM 94 MIN

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# Cementing Service Report

Customer OXY USA, INC.						Job Number 2205545499			
Well GLASSCOCK A-1			Location (legal)			Schlumberger Location Perryton, TX		Job Start 2004-Mar-26	
Field		Formation Name/Type		Deviation	Bit Size in	Well MD 1,758 ft	Well TVD 1,758 ft		
County GRANT		State/Province KANSAS		BHP psi	BHST °F	BHCT °F	Pore Press. Gradient psi/ft		
Well Master: 0630573841		API / UWI:		Casing/Liner					
Rig Name	Drilled For Oil & Gas	Service Via		Depth, ft 1759	Size, in 8.63	Weight, lb/ft 24	Grade	Thread	
Offshore Zone	Well Class New	Well Type Development		Tubing/Drill Pipe					
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cp	Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line Cementing	Job Type Cem Surface Casing		Perforations/Open Hole						
Max. Allowed Tubing Pressure 1500 psi	Max. Allowed Ann. Pressure psi	WellHead Connection 8 5/8 HS&M		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft	
Service Instructions CEMENT 8 5/8 SURFACE CASING WITH: 500 SKS PANHANDLELITE + ADDS 150 SKS CLASS C + 2% S1			<p><b>RECEIVED</b></p> <p><b>JUL 16 2004</b></p> <p><b>KCC WICHITA</b></p>			Diameter in	Packer Type	Packer Depth ft	
Treat Down Casing	Displacement 109.2 bbl	Annular Vol.				OpenHole Vol 241 bbl			
Tubing Vol. bbl	Casing Vol. 112 bbl	Annular Vol. 129 bbl				OpenHole Vol 241 bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>	Casing Tools				Squeeze Job			
Lift Pressure: 400 psi	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Type:	Shoe Depth: 1759 ft	Squeeze Type	Tool Type:		
No. Centralizers:	Top Plugs: 1	Bottom Plugs:		Stage Tool Type:	Stage Tool Depth: ft	Tool Depth: ft	Tail Pipe Size: in		
Cement Head Type: Single	Job Scheduled For: 2004-Mar-26 19:30	Arrived on Location:	Leave Location: 2004-Mar-27 1:00	Collar Type:	Collar Depth: 1714 ft	Tail Pipe Depth: ft	Sqz Total Vol: bbl		
Date	Time	Treating Pressure psi	Density lb/gal	Flowmeter Rate bbl/min	Flowmeter Vol bbl	Pump Rate bbl/min	Pump Vol bbl	0	Message
2004-Mar-26	22:13	0	8.42	0.0	0.0	0.0	0.0	0	
2004-Mar-26	22:13								Pressure Test Lines
2004-Mar-26	22:13	0	8.42	0.0	0.0	0.0	0.0	0	
2004-Mar-26	22:13	64	8.42	0.0	0.4	0.0	0.0	0	
2004-Mar-26	22:14	1634	8.42	0.0	0.5	0.0	0.1	0	
2004-Mar-26	22:14	14	8.42	0.0	0.5	0.0	0.1	0	
2004-Mar-26	22:15								Start Pumping Wash
2004-Mar-26	22:15	5	8.42	0.0	0.5	0.0	0.1	0	
2004-Mar-26	22:15	5	8.42	0.0	0.5	0.0	0.1	0	
2004-Mar-26	22:15								Reset Total, Vol = 0.10 bbl
2004-Mar-26	22:15	9	8.42	0.0	0.0	0.0	0.0	0	
2004-Mar-26	22:15	64	8.42	4.3	1.4	4.5	1.3	0	
2004-Mar-26	22:16	142	8.42	5.7	4.2	5.5	4.0	0	
2004-Mar-26	22:16	142	8.42	5.7	7.0	5.7	6.8	0	
2004-Mar-26	22:17	151	8.42	5.9	9.9	5.8	9.6	0	
2004-Mar-26	22:17								End Wash
2004-Mar-26	22:17	146	8.46	5.9	11.9	5.7	11.6	0	
2004-Mar-26	22:17								Reset Total, Vol = 11.66 bbl
2004-Mar-26	22:17	146	8.48	5.8	12.0	5.8	11.7	0	
2004-Mar-26	22:17								Start Mixing Lead Slurry
2004-Mar-26	22:17	151	8.55	5.8	0.2	5.7	0.2	0	
2004-Mar-26	22:17	156	8.85	5.4	0.8	5.7	0.9	0	

Well			Field			Service Date		Customer		Job Number
GLASSCOCK #A-1						0486-Mar-26		OXY USA, INC.		2205545499
Date	Time	Treating Pressure	Density	Flowmeter Rate	Flowmeter Vol	Pump Rate	Pump Vol	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0		
2004-Mar-26	22:18	169	10.71	5.7	3.7	5.7	3.7	0		
2004-Mar-26	22:18	179	12.15	6.0	6.6	5.7	6.6	0		
2004-Mar-26	22:19	188	12.90	5.7	9.6	5.8	9.5	0		
2004-Mar-26	22:19	183	12.63	6.1	12.6	5.8	12.4	0		
2004-Mar-26	22:20	179	12.35	5.8	15.6	5.8	15.2	0		
2004-Mar-26	22:20	179	12.13	6.1	18.9	5.9	18.3	0		
2004-Mar-26	22:21	169	12.01	6.3	21.9	5.9	21.2	0		
2004-Mar-26	22:21	165	11.65	6.0	25.1	5.9	24.1	0		
2004-Mar-26	22:22	165	11.64	6.0	28.1	5.9	27.1	0		
2004-Mar-26	22:22	169	11.80	6.3	31.5	5.9	30.0	0		
2004-Mar-26	22:23	165	11.66	8.2	34.6	5.9	33.0	0		
2004-Mar-26	22:23	165	12.53	0.0	37.5	5.9	35.9	0		
2004-Mar-26	22:24	174	13.17	5.9	39.9	6.0	38.9	0		
2004-Mar-26	22:24	174	12.99	7.9	45.1	5.9	41.9	0		
2004-Mar-26	22:25	169	12.71	7.5	49.5	6.0	44.9	0		
2004-Mar-26	22:25	156	12.27	6.9	52.8	6.0	47.9	0		
2004-Mar-26	22:26	151	11.34	6.4	56.2	6.0	50.9	0		
2004-Mar-26	22:26	151	11.31	13.7	59.8	6.0	53.8	0		
2004-Mar-26	22:27	137	11.52	7.8	64.8	5.5	56.8	0		
2004-Mar-26	22:27	128	11.76	5.4	67.6	5.2	59.5	0		
2004-Mar-26	22:28	133	12.58	5.7	70.6	5.3	62.1	0		
2004-Mar-26	22:28	124	12.93	5.3	73.3	5.2	64.7	0		
2004-Mar-26	22:29	124	12.57	5.3	76.0	5.3	67.4	0		
2004-Mar-26	22:29	110	12.01	5.6	78.8	5.3	70.0	0		
2004-Mar-26	22:30	105	11.66	5.5	81.6	5.3	72.6	0		
2004-Mar-26	22:30	119	12.21	5.5	84.4	5.3	75.3	0		
2004-Mar-26	22:31	119	12.64	5.4	87.1	5.2	77.9	0		
2004-Mar-26	22:31	119	12.73	5.8	89.9	5.3	80.5	0		
2004-Mar-26	22:32	110	12.69	5.7	92.8	5.3	83.3	0		
2004-Mar-26	22:32	114	12.53	5.9	95.6	5.2	85.9	0		
2004-Mar-26	22:33	114	12.57	5.9	98.5	5.2	88.5	0		
2004-Mar-26	22:33	114	12.46	5.6	101.3	5.2	91.1	0		
2004-Mar-26	22:34	105	12.23	6.0	104.2	5.2	93.8	0		
2004-Mar-26	22:34	110	12.02	5.6	107.0	5.3	96.4	0		
2004-Mar-26	22:35	110	11.89	5.5	109.9	5.3	99.0	0		
2004-Mar-26	22:35	110	11.83	5.7	112.7	5.3	101.7	0		
2004-Mar-26	22:36	110	11.83	5.5	115.5	5.3	104.3	0		
2004-Mar-26	22:36	114	12.06	5.9	118.3	5.4	107.0	0		
2004-Mar-26	22:37	119	12.48	6.1	121.2	5.3	109.6	0		
2004-Mar-26	22:37	114	12.72	5.6	124.0	5.3	112.3	0		
2004-Mar-26	22:38	114	12.69	6.3	126.9	5.3	114.9	0		
2004-Mar-26	22:38	110	12.31	6.2	129.8	5.2	117.5	0		
2004-Mar-26	22:39	114	12.27	5.6	132.8	5.3	120.2	0		
2004-Mar-26	22:39	110	12.23	5.8	135.7	5.3	122.8	0		
2004-Mar-26	22:40	114	12.17	5.7	138.6	5.3	125.4	0		
2004-Mar-26	22:40	101	12.01	5.5	141.4	5.3	128.1	0		
2004-Mar-26	22:41	114	11.93	5.7	144.3	5.3	130.7	0		
2004-Mar-26	22:41	114	11.89	6.0	147.2	5.3	133.4	0		
2004-Mar-26	22:42	105	12.01	6.1	150.1	5.3	136.0	0		
2004-Mar-26	22:42	105	12.25	6.6	153.1	5.4	138.7	0		
2004-Mar-26	22:43	105	12.43	5.6	156.1	5.3	141.4	0		
2004-Mar-26	22:44	114	12.38	5.7	159.0	5.3	144.1	0		
2004-Mar-26	22:44	110	12.25	5.4	161.8	5.2	146.7	0		
2004-Mar-26	22:45	105	12.09	5.8	164.6	5.3	149.4	0		

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Well		Field			Service Date		Customer		Job Number
GLASSCOCK #A-1					0486-Mar-26		OXY USA, INC.		2206545499
Date	Time 24 hr clock	Treating Pressure psi	Density lb/gal	Flowmeter Rate bbl/min	Flowmeter Vol bbl	Pump Rate bbl/min	Pump Vol bbl	0	Message
2004-Mar-26	22:45	110	11.65	5.5	167.4	5.3	152.0	0	
2004-Mar-26	22:46	101	11.96	6.2	170.2	5.3	154.6	0	
2004-Mar-26	22:46	119	12.37	5.8	173.1	5.3	157.3	0	
2004-Mar-26	22:47	119	12.43	5.6	176.0	5.3	159.9	0	
2004-Mar-26	22:47	110	12.46	5.5	178.7	5.2	162.6	0	
2004-Mar-26	22:48	110	12.53	5.2	181.5	5.2	165.2	0	
2004-Mar-26	22:48	105	12.42	5.5	184.3	5.1	167.8	0	
2004-Mar-26	22:49	105	12.01	5.6	187.1	5.2	170.4	0	
2004-Mar-26	22:49	110	12.24	6.2	190.0	5.2	173.0	0	
2004-Mar-26	22:50	110	12.34	5.6	192.9	5.2	175.6	0	
2004-Mar-26	22:50	110	12.29	5.6	195.7	5.2	178.2	0	
2004-Mar-26	22:51	105	12.09	5.6	198.5	5.2	180.8	0	
2004-Mar-26	22:51	105	11.79	5.5	201.2	5.2	183.4	0	
2004-Mar-26	22:52	105	11.68	5.7	203.9	5.2	186.0	0	
2004-Mar-26	22:52	105	12.05	5.9	206.8	5.3	188.6	0	
2004-Mar-26	22:53	114	12.25	5.7	209.6	5.3	191.2	0	
2004-Mar-26	22:53	110	12.40	5.5	212.4	5.3	193.8	0	
2004-Mar-26	22:54	110	11.76	5.5	215.2	5.2	196.5	0	
2004-Mar-26	22:54	110	11.89	5.7	217.9	5.2	199.1	0	RECEIVED
2004-Mar-26	22:55	114	12.62	5.6	220.7	5.3	201.7	0	JUL 16 2004
2004-Mar-26	22:55	119	12.82	5.8	223.6	5.2	204.4	0	KCC WICHITA
2004-Mar-26	22:56	119	12.69	5.4	226.4	5.2	207.0	0	
2004-Mar-26	22:56	119	12.43	5.8	229.2	5.3	209.7	0	
2004-Mar-26	22:57	110	12.05	5.5	232.0	5.2	212.3	0	
2004-Mar-26	22:57	110	11.82	5.4	234.8	5.2	214.9	0	
2004-Mar-26	22:58	114	11.84	5.5	237.6	5.2	217.5	0	
2004-Mar-26	22:58	124	12.14	5.6	240.3	5.3	220.1	0	
2004-Mar-26	22:59	128	12.60	5.6	243.2	5.2	222.7	0	
2004-Mar-26	22:59	133	12.70	5.6	246.0	5.2	225.3	0	
2004-Mar-26	23:00	128	12.56	5.5	248.7	5.2	227.9	0	
2004-Mar-26	23:00	128	12.43	5.6	251.5	5.2	230.5	0	
2004-Mar-26	23:01	133	12.32	5.6	254.2	5.3	233.1	0	
2004-Mar-26	23:01	137	12.24	5.5	257.0	5.3	235.8	0	
2004-Mar-26	23:02	133	12.23	5.5	259.8	5.2	238.4	0	
2004-Mar-26	23:02	128	12.23	5.6	262.6	5.3	241.0	0	
2004-Mar-26	23:03	133	12.38	5.7	265.3	5.2	243.7	0	
2004-Mar-26	23:03	133	12.64	5.6	268.1	5.2	246.3	0	
2004-Mar-26	23:04	142	12.89	5.6	270.9	5.2	248.9	0	
2004-Mar-26	23:04	137	12.95	5.4	271.6	5.2	249.6	0	
2004-Mar-26	23:04								End Lead Slurry
2004-Mar-26	23:04	142	12.95	5.6	271.9	5.3	249.9	0	
2004-Mar-26	23:04								Reset Total, Vol = 249.87 bbl
2004-Mar-26	23:04								Start Mixing Tail Slurry
2004-Mar-26	23:04	133	12.95	5.4	0.3	5.2	0.3	0	
2004-Mar-26	23:04								Reset Total, Vol = 0.44 bbl
2004-Mar-26	23:04	137	12.95	5.5	0.5	5.2	0.4	0	
2004-Mar-26	23:04	92	12.85	4.3	1.2	4.0	1.1	0	
2004-Mar-26	23:05	96	13.39	4.3	3.3	4.2	3.1	0	
2004-Mar-26	23:05	96	14.10	4.4	5.5	4.2	5.2	0	
2004-Mar-26	23:06	105	14.77	4.3	7.7	4.2	7.3	0	
2004-Mar-26	23:06	110	15.04	4.3	9.8	4.2	9.4	0	
2004-Mar-26	23:07	114	15.19	4.3	12.1	4.3	11.6	0	
2004-Mar-26	23:07	110	14.95	4.3	14.3	4.2	13.7	0	
2004-Mar-26	23:08	110	14.88	4.3	16.4	4.2	15.8	0	

Well		Field			Service Date		Customer		Job Number
GLASSCOCK #A-1					0486-Mar-26		OXY USA, INC.		2205545499
Date	Time	Treating Pressure	Density	Flowmeter Rate	Flowmeter Vol	Pump Rate	Pump Vol	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2004-Mar-26	23:08	110	14.95	4.4	18.6	4.2	17.9	0	
2004-Mar-26	23:09	105	15.01	4.3	20.7	4.2	20.0	0	
2004-Mar-26	23:09	105	15.04	4.4	22.9	4.2	22.2	0	
2004-Mar-26	23:10	101	15.06	4.3	25.1	4.2	24.3	0	
2004-Mar-26	23:10	101	15.06	4.3	27.2	4.2	26.4	0	
2004-Mar-26	23:11	96	15.06	4.3	29.3	4.1	28.4	0	RECEIVED
2004-Mar-26	23:11	105	15.06	4.4	31.5	4.3	30.6	0	JUL 16 2004
2004-Mar-26	23:12	128	15.06	4.8	33.8	4.8	32.8	0	KCC WICHITA
2004-Mar-26	23:12	133	15.24	4.9	36.2	4.8	35.2	0	
2004-Mar-26	23:13	146	15.52	4.8	38.7	4.8	37.6	0	
2004-Mar-26	23:13	105	15.50	4.1	41.0	3.0	39.9	0	
2004-Mar-26	23:13	-5	15.52	0.0	41.5	0.0	40.1	0	
2004-Mar-26	23:13								End Tail Slurry
2004-Mar-26	23:13	-5	15.49	0.0	41.5	0.0	40.1	0	
2004-Mar-26	23:13								Reset Total, Vol = 40.06 bbl
2004-Mar-26	23:14	-5	15.49	0.0	0.0	0.0	0.0	0	
2004-Mar-26	23:14	-5	15.47	0.0	0.0	0.0	0.0	0	
2004-Mar-26	23:14								Drop Top Plug
2004-Mar-26	23:14	-5	15.25	0.0	0.0	0.0	0.0	0	
2004-Mar-26	23:14								Start Displacement
2004-Mar-26	23:14	-5	9.86	4.7	0.3	0.0	0.0	0	
2004-Mar-26	23:15	-5	9.30	5.1	2.9	0.0	0.0	0	
2004-Mar-26	23:15	69	9.18	1.7	4.0	0.0	0.0	0	
2004-Mar-26	23:16	82	9.09	5.3	6.2	5.2	2.2	0	
2004-Mar-26	23:16	82	9.09	5.2	8.9	5.1	4.8	0	
2004-Mar-26	23:17	60	8.44	5.4	11.5	5.1	7.3	0	
2004-Mar-26	23:17	55	8.44	5.4	14.2	5.1	9.9	0	
2004-Mar-26	23:18	60	8.57	5.8	16.9	5.1	12.5	0	
2004-Mar-26	23:18	60	8.57	5.4	19.6	5.2	15.0	0	
2004-Mar-26	23:19	60	8.43	5.4	22.4	5.1	17.7	0	
2004-Mar-26	23:19	60	8.43	5.4	25.1	5.1	20.3	0	
2004-Mar-26	23:20	73	8.45	5.3	27.8	5.1	22.8	0	
2004-Mar-26	23:20	82	8.44	5.3	30.5	5.1	25.4	0	
2004-Mar-26	23:21	82	8.43	5.3	33.2	5.2	28.0	0	
2004-Mar-26	23:21	96	8.43	5.3	35.8	5.1	30.6	0	
2004-Mar-26	23:22	101	8.42	5.3	38.5	5.2	33.1	0	
2004-Mar-26	23:22	105	8.42	5.3	35.8	5.1	35.7	0	
2004-Mar-26	23:23	124	8.42	5.4	38.4	5.2	38.3	0	
2004-Mar-26	23:23	124	8.41	6.2	41.1	5.1	40.9	0	
2004-Mar-26	23:24	128	8.42	5.3	43.9	5.1	43.5	0	
2004-Mar-26	23:24	146	8.42	5.3	46.5	5.2	46.0	0	
2004-Mar-26	23:25	105	8.42	4.9	49.1	5.2	48.6	0	
2004-Mar-26	23:25	110	8.42	3.5	51.2	3.9	50.8	0	
2004-Mar-26	23:26	124	8.42	3.5	52.9	3.9	52.7	0	
2004-Mar-26	23:26	110	8.42	2.8	54.1	3.2	53.9	0	
2004-Mar-26	23:27	128	8.42	3.3	55.7	3.7	55.8	0	
2004-Mar-26	23:27	142	8.42	3.9	57.5	4.6	57.9	0	
2004-Mar-26	23:28	206	8.42	5.3	60.1	5.2	60.5	0	
2004-Mar-26	23:28	206	8.42	5.3	62.8	5.2	63.1	0	
2004-Mar-26	23:29	215	8.42	5.3	65.5	5.2	65.7	0	
2004-Mar-26	23:29	238	8.42	5.4	68.1	5.2	68.3	0	
2004-Mar-26	23:30	238	8.42	5.3	70.8	5.2	70.9	0	
2004-Mar-26	23:30	261	8.42	5.4	73.7	5.2	73.6	0	
2004-Mar-26	23:31	293	8.42	5.3	76.3	5.2	76.2	0	

Well		Field			Service Date		Customer		Job Number	
GLASSCOCK #A-1					0486-Mar-26		OXY USA, INC.		2205545499	
Date	Time	Treating Pressure	Density	Flowmeter Rate	Flowmeter Vol	Pump Rate	Pump Vol	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0		
2004-Mar-26	23:31	307	8.42	5.3	79.0	5.2	78.8	0		
2004-Mar-26	23:32	316	8.42	5.3	81.7	5.2	81.4	0		
2004-Mar-26	23:32	343	8.42	5.4	84.3	5.2	84.0	0		
2004-Mar-26	23:33	343	8.42	5.3	87.0	5.3	86.6	0		
2004-Mar-26	23:33	375	8.42	5.3	89.7	5.2	89.2	0		
2004-Mar-26	23:34	417	8.42	5.4	92.3	5.3	91.9	0		
2004-Mar-26	23:34	403	8.42	5.3	95.0	5.3	94.5	0		
2004-Mar-26	23:35	444	8.42	5.4	97.7	5.3	97.1	0		
2004-Mar-26	23:35	371	8.42	2.5	99.9	2.4	99.1	0		
2004-Mar-26	23:36	375	8.42	2.2	101.0	2.1	100.2	0	RECEIVED JUL 16 2004 KCC WICHITA	
2004-Mar-26	23:36	385	8.42	2.2	102.0	2.1	101.3	0		
2004-Mar-26	23:37	385	8.42	2.2	103.1	2.1	102.3	0		
2004-Mar-26	23:37	389	8.42	2.2	104.2	2.1	103.4	0		
2004-Mar-26	23:38	407	8.42	2.2	105.3	2.1	104.4	0		
2004-Mar-26	23:38	403	8.42	2.1	106.4	2.1	105.5	0		
2004-Mar-26	23:39	417	8.42	2.2	107.4	2.1	106.5	0		
2004-Mar-26	23:39	412	8.42	1.9	108.4	1.8	107.5	0		
2004-Mar-26	23:40	417	8.42	1.9	109.4	1.8	108.4	0		
2004-Mar-26	23:40	842	8.42	0.3	110.2	0.0	109.2	0		
2004-Mar-26	23:41	906	8.42	0.0	110.3	0.0	109.2	0		
2004-Mar-26	23:41	906	8.42	0.0	110.3	0.0	109.2	0		
2004-Mar-26	23:41								Bump Top Plug	
2004-Mar-26	23:41								End Displacement	
2004-Mar-26	23:41	906	8.42	0.0	110.3	0.0	109.2	0		
2004-Mar-26	23:41	906	8.42	0.0	110.3	0.0	109.2	0		
2004-Mar-26	23:42	774	8.42	0.0	110.3	0.0	109.2	0		
2004-Mar-26	23:42	0	8.42	0.0	110.3	0.0	109.2	0		
2004-Mar-26	23:43	5	8.42	1.8	110.3	0.0	109.2	0		
2004-Mar-26	23:43	9	8.41	3.5	110.8	0.0	109.2	0		
2004-Mar-26	23:44	5	8.68	4.3	112.6	0.0	109.2	0		
2004-Mar-26	23:44	5	8.51	0.0	113.8	0.0	109.2	0		
2004-Mar-26	23:45	32	8.44	2.0	114.3	0.0	109.2	0		
2004-Mar-26	23:45	41	8.43	2.3	115.4	0.0	109.2	0		
2004-Mar-26	23:46	50	8.43	2.8	116.8	0.0	109.2	0		

Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5.5			6	267	0	10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
450		80	900			8.34 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume					
%	267 bbl	109.2 bbl	°F	<input type="checkbox"/> Washed Thru Perfs To		109 bbl			
Customer or Authorized Representative			Schlumberger Supervisor						
WILLIMON, WES			Landeros, Feliverito			<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed	



CONFIDENTIAL

TREATMENT REPORT



Customer ID	Date
Customer OXY-USA	4-4-4
Lease GLASCOCK	Lease No.
	Well # A-1

Field Order # 7558	Station LIBERAL	Casing	Depth	County GRANT	State KS
Type Job PTA (NW)	Formation	Legal Description 19-275-35W			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
		PLUGS		225 sh 60/110 P02				
Depth	Depth	From 1005h	To 3090	Pre Pad	Max			5 Min.
Volume	Volume	From 50 sh	To 1790	Pad	Min			10 Min.
Max Press	Max Press	From 40 sh	To 730	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From 10 sh	To 40		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From 25 sh	To R/M	Flush WATER/MUD	Gas Volume			Total Load

Customer Representative Wes Williamson	Station Manager Dick MORRIS	Treater Shawn FREDERICH
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Service Units	28	38	168	72				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0005					ON LOCATION - LOGGING
0200					Through Logging - RUN DP in HOLE
0230					PRE-JOB SAFETY MEETING
0740					R/O up P.T.
0800					PIPE P. 3050 ft
0830	150		10	4	Pump 10 BBLs H <sub>2</sub> O
0835	200		22	4	Pump 100 sh 60/40 P02 Common P15"
0845	∅		4	4	Pump 4 BBLs H <sub>2</sub> O
0850	∅		30	6	Pump 30 BBLs MUD
0900					SHUT DOWN - Pull D.P.
1010					DP @ 1790
1012	250		10	4	Pump 10 BBLs WATER
1015	100		11	3	Pump 50 sh 60/40 P02 Common
1018	∅		4	3	Pump 4 BBLs WATER RECEIVED
1020	∅		18	6	Pump 18 BBLs MUD JUL 16 2004
1023					SHUT DOWN / Pull D.P. KCC WICHITA
1045					730
1047	200		10	4	Pump 10 BBLs 60/70
1050	100		9	3	Pump 40 sh 60/40 P02
1057	∅		4	3	Pump 4 BBLs H <sub>2</sub> O
1100					SHUT DOWN / Pull D.P.

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