



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1070122
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1070122

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	OXY USA Inc.
Well Name	LONGBOTHAM 6
Doc ID	1070122

All Electric Logs Run

ARRAY COMPENSATED TRUE RESISTIVITY
BOREHOLE COMPENSATED SONIC ARRAY
DUAL SPACED NEUTRON SPECTRAL DENSITY
MICROLOG
CEMENT BOND LOG

Form	ACO1 - Well Completion
Operator	OXY USA Inc.
Well Name	LANGBOTHAM 6
Doc ID	1070122

Tops

Name	Top	Datum
HEEBNER (ALL TVD)	4149	
LANSING	4197	
SWOPE	4687	
MARMATON	4828	
CHEROKEE	4991	
ATOKA	5143	
MORROW	5251	
CHESTER	5288	
ST. GENEVIEVE	5424	
ST. LOUIS	5488	

Form	ACO1 - Well Completion
Operator	OXY USA Inc.
Well Name	LONGBOTHAM 6
Doc ID	1070122

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5919-5926 ST. LOUIS	7 BBL 7% KCL	5919-5926
		FRAC 10924 GAL L FRAC 30 523068 SCF N2	5919-5926
		21200# 16/30 BRADY SAND	
6	5748-5755 CHESTER		5748-5755
		FRAC 12504 GAL X FRAC 30 512516 SCF N2	5748-5755
		36900# 20/40 BRADY SAND	

Form	ACO1 - Well Completion
Operator	OXY USA Inc.
Well Name	LONGBOTHAM 6
Doc ID	1070122

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
CONDUCTOR	26	16	0	40	GROUT	8	GROUT
SURFACE	12.25	8.625	24	1850	A-CON/ PREM +	570	SEE ATTACH ED
PRODUCTION	7.875	5.5	17	5375	50-50 POZ	250	SEE ATTACH ED
PRODUCTION LINER	5.5	4	10.7	6102	50-50 POZ	165	SEE ATTACH ED



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
P.O. Box 129
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 02434 A

DATE _____ TICKET NO. _____

DATE OF JOB 8-17-11	DISTRICT 1717	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:		
CUSTOMER Oxy	LEASE Longbotham						WELL NO. 6		
ADDRESS	COUNTY Haskell						STATE KS		
CITY	STATE	SERVICE CREW J. Chavez, Nuben, Adam, David							
AUTHORIZED BY Tony Bennett	JOB TYPE: 242 Surface								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE 8-16-11	AM PM	TIME 1000
19820	14	19828	14	14354	14	ARRIVED AT JOB	8-16-11	AM	1135
		19883	2	19578	2	START OPERATION	8-17-11	AM	1130
27462	14					FINISH OPERATION	8-17-11	AM	200
						RELEASED	8-17-11	AM	230
						MILES FROM STATION TO WELL	55		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Marco Silva
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL101	A-Cem Blend	SK	340		6324 00
CL110	Prem Plus Cement	SK	230		3749 00
CC109	Calcium Chloride	lb	1394		1463 70
CC102	CelluFloke	lb	143		529 10
CC130	C-51	lb	64		1600 00
CF1203	Auto Fill Float Shoc	EA	1		1025 00
CF1363	A-F Float Coker	EA	1		1275 00
CF1773	Centralizer	EA	15		2175 00
CF1903	8 3/8 Basket	EA	1		315 00
CF503	8 3/8 Stop Rign	EA	1		44 00
CF105	Rubber Plug	EA	1		225 00
E101	Heavy Equipment Mileage	mi	165		1155 00
CE240	Blending & Mixing Charge	SK	570		798 00
E113	Bulk Delivery Charge	tm	1477		2363 20
CE202	Depth Charge	4hrs	1		1500 00
CE504	Plug Container Charge	job	1		250 00
E100	Pick Up Mileage	mi	55		233 75
S003	Service Supervisor	ET	1		175 00
T105	Cmt Data Acquisition Monitor	CT	1		550 00

AP LOCATION/DEPT.: Libe Cof D02 NON D02
LEASE WELL/FAC: Longbotham
MAXIMO / WSM #: 01-02
TASK: ELEMENT 3023
PROJECT #: 1135071 CAPEX / OPEX - Circle one
SPO / BPA: UNSUPPORTED
PRINTED NAME: Marco Silva
SIGNATURE: Marco Silva
I certify that these Services/Materials have been received

SUB TOTAL 22542.80
TOTAL 22542.80

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	22542.80
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE J. Samuel Chavez

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Marco Silva
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



Cement Report

Customer <i>Oxy</i>		Lease No.		Date <i>8-17-11</i>	
Lease <i>Longbotham</i>		Well # <i>6</i>		Service Receipt <i>02434</i>	
Casing <i>8 5/8</i>	Depth <i>1850'</i>	County <i>Haskell</i>		State <i>KS</i>	
Job Type <i>Surface 242</i>		Formation		Legal Description <i>3-30-32</i>	
Pipe Data			Perforating Data		
Casing size <i>8 5/8 24#</i>	Tubing Size	Shots/Ft			Cement Data
Depth <i>1867'</i>	Depth <i>55 38'</i>	From	To	Lead <i>340SKA Con</i>	
Volume <i>116 b/s</i>	Volume	From	To	2.4 FT ³ SK Blend	
Max Press <i>2000</i>	Max Press	From	To	14 Gal-SK	
Well Connection <i>8 5/8</i>	Annulus Vol.	From	To	Tail in <i>230SK Prem</i>	
Plug Depth <i>1829</i>	Packer Depth	From	To	1.34 FT ³ SK PLUS	
				6.33 Gal-SK 14.8#	
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log <i>Yard 10:00 PM</i>
<i>1200</i>					<i>Arrive On Location</i>
<i>1230</i>					<i>Safety Meeting - Rig Up</i>
<i>400</i>					<i>Rig Running Casing</i>
<i>1130</i>					<i>Circulate w/ Rig</i>
<i>1200</i>					<i>Hook up To TSE5</i>
<i>1215</i>	<i>2000</i>		<i>1.0</i>	<i>1.0</i>	<i>Pressure Test</i>
<i>1220</i>	<i>400</i>		<i>145</i>	<i>5.0</i>	<i>Pump Lead cmt @ 12.1 #'s</i>
<i>1250</i>	<i>300</i>		<i>55</i>	<i>5.0</i>	<i>Pump Tail cmt @ 14.8 #'s</i>
<i>1300</i>					<i>Drop Plus - Wash Up</i>
<i>1305</i>	<i>600</i>		<i>106</i>	<i>6.5</i>	<i>Displace</i>
<i>1325</i>	<i>700</i>		<i>10</i>	<i>2.0</i>	<i>Shut Down - Displace</i>
<i>1330</i>	<i>1200</i>		<i>.5</i>	<i>.5</i>	<i>Land Plus - Float Held</i>
<i>1400</i>					<i>Job Complete</i>
<i>Thanks For Using Basic Energy Services</i>					
Service Units	<i>19920</i>	<i>29462</i>	<i>19828-19883</i>	<i>14354-19578</i>	
Driver Names	<i>E. Chavez</i>	<i>Adam</i>	<i>David</i>	<i>Ruben</i>	

Mara Silva
Customer Representative

Sam Bennett
Station Manager

Samuel Chavez
Cementer



1700 S. Country Estates Rd.
P.O. Box 129
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET

1717 01961 A

DATE _____ TICKET NO. _____

DATE OF JOB 8-30-11 DISTRICT _____		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.: _____						
CUSTOMER Oxy USA		LEASE Long botham		WELL NO. 6				
ADDRESS _____		COUNTY Haskell		STATE Ks				
CITY _____ STATE _____		SERVICE CREW Cochran/Mendoza/Hector E. J. Chavez						
AUTHORIZED BY T. Davis		JOB TYPE: 242 5 1/2 L.S						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME
21955	13.1						8-30-11	09:00
27808	17.1					ARRIVED AT JOB	8-30-11	10:20
19553	13.1					START OPERATION	8-30-11	19:00
19827	17.1					FINISH OPERATION	8-30-11	21:30
19566	13.1					RELEASED	8-30-11	21:30
27462	13.1					MILES FROM STATION TO WELL	40	

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL101	A-con Blend	sk	50		
CL104	50/50 Poz	sk	250		
CC113	Gypsum	lb	1050		
CC111	Salt	lb	1532		
CC130	C-51	lb	52		
CC201	Gilsonite	lb	1245		
CC102	Cello Flake	lb	75		
CC103	C-85	lb	126		
CC109	Calcium Chloride	lb	94		
CF1281	Accu-Seal Float shoe	ea	1		
CF1291	" " " Collar	ea	1		
CF1978	Centralizer Turbo	ea	32		
CF501	Stop Ring	ea	1		
CF103	Top Plug	ea	1		
CC155	Super Flush II	gal	500		
E101	Heavy Equip. Mileage	mi	105		
CE240	Blending + Mixing Serv. Chrg.	sk	300		
E115	Bulk Delivery	Tm	450		
CE206	Depth Chrg.	4hr	1		

SUB TOTAL **18356.40**

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE *[Signature]*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____



Cement Report

Customer <i>Oxy USA</i>		Lease No.		Date <i>8-30-11</i>	
Lease <i>Long bottom</i>		Well # <i>6</i>		Service Receipt <i>171701961</i>	
Casing <i>5 1/2</i>	Depth	County <i>Haskell</i>		State <i>Ks</i>	
Job Type <i>242 6 1/2 L.S.</i>	Formation	Legal Description <i>3 30 32</i>			
Pipe Data			Perforating Data		Cement Data
Casing size	Tubing Size	Shots/Ft		Lead	
Depth	Depth	From	To	<i>See Callout</i>	
Volume	Volume	From	To		
Max Press	Max Press	From	To		Tail in
Well Connection	Annulus Vol.	From	To		
Plug Depth	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>10:40</i>					<i>on loc. / Held Safety Meeting</i>
<i>10:45</i>					<i>Rig Circulating Oil out</i>
<i>19:20</i>					<i>Hook up to Pump truck</i>
<i>19:40</i>	<i>3500</i>				<i>Test Pump + Lines</i>
<i>19:42</i>	<i>400</i>		<i>5</i>	<i>5.5</i>	<i>Start Fresh H₂O</i>
<i>19:43</i>	<i>400</i>		<i>12</i>	<i>5.5</i>	<i>Start Super flush II</i>
<i>19:45</i>	<i>450</i>		<i>5</i>	<i>5.5</i>	<i>Start Fresh H₂O</i>
<i>19:46</i>	<i>450</i>		<i>72</i>	<i>5.5</i>	<i>Start Cmt 250sk @ 13.5*</i>
<i>20:15</i>					<i>Shutdown + Wash up</i>
<i>20:19</i>					<i>Drop Plug</i>
<i>20:25</i>	<i>0</i>		<i>0</i>	<i>6.5</i>	<i>Start Disp. w/ fresh H₂O</i>
<i>20:41</i>	<i>1000</i>		<i>113</i>	<i>2.5</i>	<i>Slow Rate</i>
<i>20:48</i>	<i>1600</i>		<i>123.5</i>	<i>2.5</i>	<i>Bump Plug</i>
<i>20:50</i>	<i>0</i>			<i>0</i>	<i>Release / float s Held</i>
<i>20:52</i>	<i>2250</i>				<i>Pressure up Csg</i>
<i>20:26</i>	<i>0</i>				<i>Release / Pressure fell off 200psi</i>
<i>22:14</i>	<i>200</i>		<i>9</i>	<i>2</i>	<i>Plug Rat Hole w/ 30 sk @ 13*</i>
<i>22:21</i>	<i>200</i>		<i>6</i>	<i>2</i>	<i>Plug Mouse Hole w/ 20sk @ 13*</i>
<i>22:27</i>					<i>Wash up</i>
<i>22:30</i>					<i>End Job</i>
	<i>1100</i>				<i>Pressure Before Plug loaded</i>
					<i>Ran 5371' of 5 1/2 17* Csg 44's</i>
					<i>W' stick up Csg stuck in Hole</i>
Service Units	<i>21755</i>	<i>27808</i>	<i>19553</i>	<i>19824</i>	<i>19566</i>
Driver Names	<i>Cochran</i>	<i>Mendoza</i>	<i>Hector E.</i>	<i>S. Chavez</i>	

Terry
Customer Representative

J. Bennett
Station Manager

M. Cochran
Cementer



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
P.O. Box 129
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET

1717 01999 A

DATE _____ TICKET NO. _____

DATE OF JOB 9-16-11	DISTRICT 1717	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER Oxy USA		LEASE Lonebotham #6		WELL NO.				
ADDRESS		COUNTY Maskell		STATE KS				
CITY		STATE		SERVICE CREW R. Martinez, V. Vasquez				
AUTHORIZED BY J. Bennett		JOB TYPE: 242-4" Liner						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE 9-16-11	TIME 12:00
34726	6					ARRIVED AT JOB		4:00
27808	2					START OPERATION		7:00
19866	4					FINISH OPERATION		8:30
19828	2					RELEASED		9:00
19883	4					MILES FROM STATION TO WELL		35 mi

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: *Andy Haldeme*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	AMOUNT	PROJECT #	TASK	LOCATION/DEPT	WELL/FAC	WATER/WSM #	ELEMENT	NON D02
11104	80/50 Poz	lb	165			1135071	01-102	Liberal	Lonebotham		3023	
CC113	Gypsum	lb	695									
CC111	Salt	lb	1014									
CC130	C-51	lb	28									
CC201	Gilsonite	lb	825									
CC102	Cellflake	lb	42									
CC103	C-15	lb	84									
CC109	Calcium Chloride	lb	0									
CF112	4" Top Rubber Plug	ea	1									
CC155	Super Push II	ea	1									
E101	Heavy Equipment Mileage	mi	70									
CE240	Blending + Mixing Service	sk	165									
E113	Proppant + Bulk Delivery	ton/mi	244									
CE207	Pump Depth 6001-7000	ea	1									
CE504	Plug Container	ea	1									
E100	Unit Mileage	mi	35									
S003	Service Supervisor	ea	1									
T105	Cement Data Acquisition	ea	1									

SUB TOTAL \$8734.40

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE *Steve Owen*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Andy Haldeme*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



Cement Report

Customer <u>Oxy</u>	Lease No.	Date <u>9-16-11</u>
Lease <u>Longbottom #6</u>	Well # <u>6</u>	Service Receipt <u>01999</u>
Casing <u>4"</u>	Depth	County <u>Haskell</u> State <u>KS</u>
Job Type <u>242-4" Unert</u>	Formation	Legal Description <u>3-30-32</u>

Pipe Data		Perforating Data		Cement Data
Casing size <u>4" 10.5"</u>	Tubing Size	Shots/Ft		Lead <u>165 SK 50/50 Poz</u>
Depth <u>6105'</u>	Depth	From	To	Tail in
Volume <u>71 bbl</u>	Volume	From	To	
Max Press <u>3000#</u>	Max Press	From	To	
Well Connection <u>D-</u>	Annulus Vol.	From	To	
Plug Depth <u>35-44' (6058)</u>	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:00					on loc. - site assessment spot trucks - rig up circ on bitum safety meeting / JSA
7:15					pressure test 3000#
7:20	600		5	3	pump 5 bbl H ₂ O spacer
7:22	600		12	3	pump 12 bbl superflush II
7:27	600		5	3	pump 5 bbl H ₂ O spacer
7:30	400		47.6	3	mix + pump 165 SK 50/50 poz 1.62 ft ³ /sk, 7.35 gal/sk @ 13.5 ppz
7:50					wash pumping lines
7:55	400		0	3	drop plug disp csg
8:40	1300		60	2	slow rate last 10 bbl of disp
8:45	1800		71	0	land plug - hold 5 min
8:25	2500				float held - test csg for 30 min @ 2500#
8:55					job complete

Service Units	<u>31726</u>	<u>27808-19533</u>	<u>19858-19883</u>
Driver Names	<u>A. Olvera</u>	<u>R. Martinez</u>	<u>V. Vasquez</u>

Andy
Customer Representative

J. Bennett
Station Manager

A. Olvera
Cementer
Taylor Printing, Inc.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

December 12, 2011

LAURA BETH HICKERT
OXY USA Inc.
5 E GREENWAY PLZ
PO BOX 27570
HOUSTON, TX 77227-7570

Re: ACO1
API 15-081-21960-01-00
LONGBOTHAM 6
SE/4 Sec.03-30S-32W
Haskell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
LAURA BETH HICKERT



Scientific Drilling

Oxy USA Inc.

Haskell County Kansas

Section 3 - 30S - 32W

Longbotham #6

Original Wellpath

Design: Original Wellpath

EOW Completion Report

30 August, 2011



Company:	Oxy USA Inc.	Local Co-ordinate Reference:	Well Longbotham #6
Project:	Haskell County Kansas	TVD Reference:	WELL #6 @ 2897.7usft (Original Well Elev)
Site:	Section 3 - 30S - 32W	MD Reference:	WELL #6 @ 2897.7usft (Original Well Elev)
Well:	Longbotham #6	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellpath	Database:	EDMOKC

Project Haskell County Kansas, Haskell County Kansas, South Kansas			
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Kansas South 1502		

Site Section 3 - 30S - 32W, SHL of Longbotham #6			
Site Position:		Northing:	297,622.28 usft
From:	Map	Easting:	1,332,291.71 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	37° 27' 41.140 N
		Longitude:	100° 48' 2.322 W
		Grid Convergence:	-1.41 °

Well Longbotham #6			
Well Position	+N/-S	0.0 usft	Northing: 297,622.28 usft
	+E/-W	0.0 usft	Easting: 1,332,291.71 usft
Position Uncertainty		0.0 usft	Wellhead Elevation: 2,897.7 usft
			Latitude: 37° 27' 41.140 N
			Longitude: 100° 48' 2.322 W
			Ground Level: 2,886.7 usft

Wellbore Original Wellpath					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	06/28/11	6.54	65.29	51.923

Design Original Wellpath					
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	267.80	

Survey Program Date 08/29/11					
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
1,879.0	6,110.0	Survey #1 MWD (Original Wellpath)	SDI MWD	Scientific Drilling Intl. MWD - Standard ver 1.0.1	

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00
1,879.0	0.87	74.09	1,878.9	3.9	13.7	-13.9	0.05	
1,975.0	0.49	73.96	1,974.9	4.2	14.8	-15.0	0.40	
2,071.0	2.96	277.18	2,070.9	4.6	12.7	-12.9	3.56	
2,167.0	5.79	272.40	2,166.6	5.2	5.5	-5.6	2.97	
2,263.0	7.04	261.39	2,262.0	4.5	-5.2	5.0	1.82	
2,359.0	9.28	275.37	2,357.0	4.3	-18.7	18.6	3.10	
2,455.0	11.06	271.96	2,451.5	5.4	-35.6	35.4	1.96	
2,551.0	13.59	270.94	2,545.3	5.9	-56.1	55.9	2.65	
2,647.0	16.18	270.71	2,638.1	6.2	-80.8	80.5	2.70	
2,743.0	20.97	269.13	2,729.0	6.1	-111.4	111.0	5.02	
2,839.0	24.46	269.90	2,817.6	5.8	-148.4	148.1	3.65	



Scientific Drilling International

EOW Completion Report



Company:	Oxy USA Inc.	Local Co-ordinate Reference:	Well Longbotham #6
Project:	Haskell County Kansas	TVD Reference:	WELL #6 @ 2897.7usft (Original Well Elev)
Site:	Section 3 - 30S - 32W	MD Reference:	WELL #6 @ 2897.7usft (Original Well Elev)
Well:	Longbotham #6	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellpath	Database:	EDMOKC

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
2,935.0	26.63	267.77	2,904.2	5.0	-189.8	189.5	2.45
3,031.0	26.59	265.55	2,990.0	2.4	-232.7	232.4	1.04
3,127.0	25.51	266.57	3,076.3	-0.5	-274.8	274.6	1.22
3,223.0	26.56	266.16	3,162.5	-3.1	-316.8	316.7	1.11
3,319.0	25.52	265.18	3,248.8	-6.3	-358.8	358.8	1.17
3,415.0	28.28	269.33	3,334.4	-8.3	-402.2	402.2	3.48
3,511.0	26.64	269.00	3,419.6	-9.0	-446.5	446.5	1.72
3,607.0	27.96	268.53	3,504.9	-9.9	-490.5	490.5	1.39
3,703.0	27.27	267.65	3,589.9	-11.4	-535.0	535.0	0.83
3,800.0	28.20	265.42	3,675.8	-14.1	-580.0	580.1	1.44
3,896.0	27.53	264.74	3,760.7	-18.0	-624.7	624.9	0.77
3,992.0	28.65	263.20	3,845.4	-22.7	-669.7	670.0	1.39
4,088.0	29.00	264.14	3,929.5	-27.8	-715.7	716.2	0.60
4,184.0	28.22	266.41	4,013.7	-31.6	-761.5	762.1	1.39
4,280.0	28.19	264.60	4,098.4	-35.2	-806.7	807.4	0.89
4,376.0	27.35	266.38	4,183.3	-38.7	-851.3	852.1	1.23
4,471.0	27.43	269.43	4,267.6	-40.3	-894.9	895.8	1.48
4,567.0	27.03	269.59	4,353.0	-40.7	-938.9	939.7	0.42
4,663.0	27.77	268.74	4,438.2	-41.3	-983.0	983.9	0.87
4,759.0	28.04	267.60	4,523.1	-42.8	-1,027.9	1,028.8	0.62
4,854.0	27.75	269.73	4,607.0	-43.8	-1,072.4	1,073.3	1.09
4,950.0	28.80	269.57	4,691.6	-44.1	-1,117.8	1,118.7	1.10
5,046.0	27.45	268.90	4,776.2	-44.7	-1,163.1	1,163.9	1.44
5,142.0	27.62	268.33	4,861.4	-45.8	-1,207.5	1,208.3	0.33
5,237.0	25.47	268.38	5,026.9	-48.1	-1,290.1	1,291.0	1.16
5,422.0	25.43	267.07	5,112.6	-49.7	-1,330.9	1,331.8	0.59
5,518.0	27.05	267.98	5,198.8	-51.6	-1,373.3	1,374.2	1.74
5,614.0	28.37	269.19	5,283.7	-52.7	-1,417.9	1,418.9	1.49
5,710.0	27.14	268.20	5,368.7	-53.7	-1,462.6	1,463.6	1.37
5,805.0	27.91	269.47	5,452.9	-54.6	-1,506.5	1,507.5	1.02
5,902.0	28.64	269.40	5,538.4	-55.0	-1,552.4	1,553.4	0.75
5,998.0	27.62	270.63	5,623.0	-55.0	-1,597.7	1,598.6	1.22
6,063.0	26.66	270.61	5,680.9	-54.7	-1,627.3	1,628.2	1.48
6,110.0	26.66	270.61	5,722.9	-54.5	-1,648.4	1,649.3	0.00

Checked By: _____ Approved By: _____ Date: _____

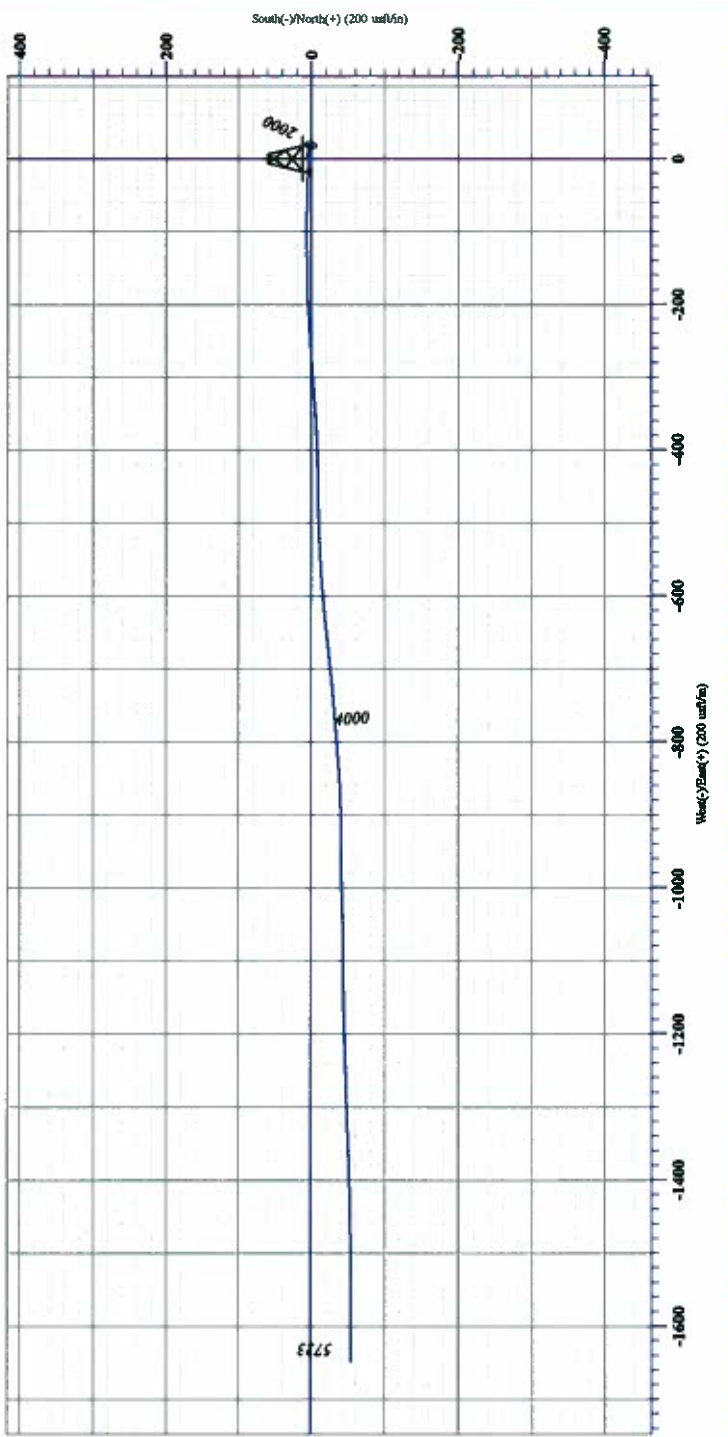
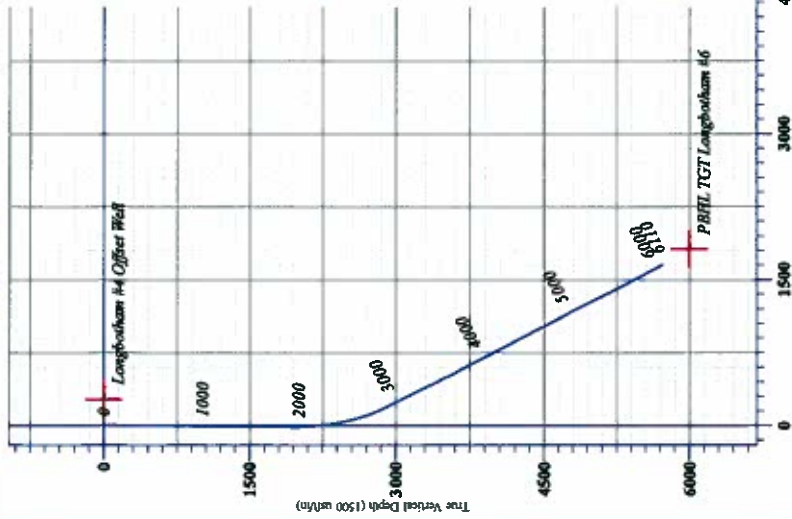


Oxy USA Inc.

Field: Haskell County Kansas
 Site: Section 3 - 30S - 32W
 Well: Longbootham #6
 Wellpath: Original Wellpath
 Plan: Original Wellpath

Azimuth to Grid North
 True North: 1.41°
 Magnetic North: 7.15°

Magnetics File
 Sheet: 11923.mnt
 Date: 06/28/01
 Model: SEG2011



Vertical Section Azimuth
 267.80

Bottom Hole from Surface:
 5722.9' TVD 54.5' S & 1648.4' W
 6110' MD 1649.3' VS @ 267.80 Azimuth



Design: Original Wellpath (Longbootham #6/Original Wellpath)
 Created By: Gentle Lightfoot Date: 11:28, August 30 2011

VS	BS	MD	WELL DEPTH	LENGTH	SLR
0.0	0.0	5722.9	13329.71	97.37-41.04N	
				100-40-132 W	

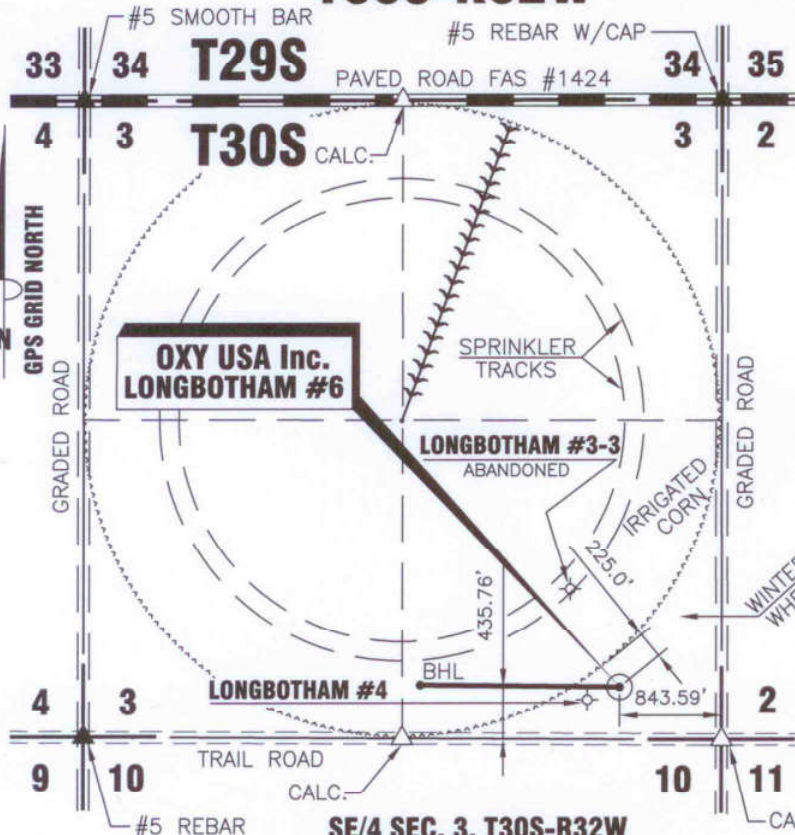
Attachment to Longbotham #6 (API # 15-081-21960)

Cement & Additives

String	Type	# of Sacks Used	Type and Percent Additives
Surface	A-Con	Lead: 340	3% CC, 1/4# Cellflake, 0.2% WCA1
	Prem +	Tail: 230	2% CC, 1/4# Cellflake
Production	50-50 Poz	250	5% W-60, 10% Salt, 0.6% C-15, 1/4# Defoamer, 5# Gilsonite 1/4# Polyflake
Production Liner	50-50 Poz	165	5% W-60, 10% Salt, 0.6% C-15, 1/4# Defoamer, 5# Gilsonite 1/4# Polyflake

T30S-R32W

"ASBUILT"



DATE 12/28/2011

OPERATOR OXY U.S.A.

WELL NAME LONGBOTHAM #6

LOCATION SE/4 SEC. 3, T30S-R32W

TOP HOLE LOCATION

FOOTAGES & 435.76' F S L

RELATIONS 843.59' F E L

ELEVATION 2886.73'

BOTTOM HOLE LOCATION

FOOTAGES & 372.80' F S L

RELATIONS 2492.06' F E L

ELEVATION -2836.17'

DISTANCE TO EXISTING WELL 288.83' LONGBOTHAM #4

AUTHORIZED BY BETH HICKERT

**SE/4 SEC. 3, T30S-R32W
HASKELL COUNTY, KANSAS**

CROP DRYLAND WINTER WHEAT

TOP HOLE LOCATION

LATITUDE 37°27'41.13840" N = 37.46143° N

LONGITUDE 100°48'02.31991" W = 100.80064° W

STATE PLANE COORD. X = 1332291.90

KANSAS SOUTH ZONE Y = 297622.14

NAD 27

BOTTOM HOLE LOCATION

LATITUDE 37°27'41.36751" N = 37.46129° N

LONGITUDE 100°48'22.75922" W = 100.80632° W

STATE PLANE COORD. X = 1330642.90

KANSAS SOUTH ZONE Y = 297614.02

NAD 27

DRIVING DIRECTIONS USED TO STAKE
WELL FROM KNOWN LANDMARK OR CITY
FROM:

FROM THE INTERSECTION HWY #83 & FAS
#1424 WEST OF SUBLETTE, KS; THENCE
EAST 4.0 MILES; THENCE SOUTH 1.0 MILE;
THENCE WEST 843.59 FT.; THENCE NORTH
435.76 FT. INTO.

NOTE: CONTRACTOR TO CONTACT ONE CALL @ 1-800-DIG SAFE
PRIOR TO ANY EXCAVATION OR CONSTRUCTION.

THEODORE V. HARDER
LICENSED
1-9-2012
LS-1097
KANSAS
LAND SURVEYOR
Theodore V. Harder
Theodore V. Harder, P.L.S. No. 1097

OXY USA Inc.
1117 N. HIGHWAY 27
P.O. DRAWER 330
ELKHART, KANSAS 67950
(620)697-2500

**ASBUILT WELL LOCATION OF THE LONGBOTHAM #6
LOCATED IN THE SE/4 SEC. 3, T30S - R32W
HASKELL COUNTY, KANSAS**

NO.	DWN.	REVISIONS	DATE

SCALE: 1" = 1500' DATE: 12/28/2011

WORK ORDER NO.:

HARDER
AND ASSOCIATES "locating our world"
LAND SURVEYING - GPS SPECIALISTS
P.O. BOX 518 514 MORTON
Elkhart, Kansas 67950
Phone: (620) 697-2696
Fax: (620) 697-4175
E-MAIL: tharder@elkhart.com

CO KS NM OK

DRAWN BY: DRF CHECKED BY: TVH APPROVED BY: AUTHORIZED BY: B. HICKERT