



KANSAS CORPORATION COMMISSION 1070122
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

CONFIDENTIAL

WELL COMPLETION FORM

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

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5447
Name: OXY USA Inc.
Address 1: 5 E GREENWAY PLZ
Address 2: PO BOX 27570
City: HOUSTON State: TX Zip: 77227 + 7570
Contact Person: LAURA BETH HICKERT
Phone: (620) 629-4253
CONTRACTOR: License # 33784
Name: Trinidad Drilling Limited Partnership
Wellsite Geologist: N/A
Purchaser: _____

API No. 15 - 15-081-21960-01-00
Spot Description: _____
NE SW SE SE Sec. 3 Twp. 30 S. R. 32 East West
436 Feet from North / South Line of Section
844 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Haskell
Lease Name: LANGBOTHAM Well #: 6
Field Name: _____
Producing Formation: ST. LOUIS CHESTER
Elevation: Ground: 2887 Kelly Bushing: 2898
Total Depth: 6110 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1850 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.

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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
08/16/2011 08/26/2011 11/15/2011
Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 12000 ppm Fluid volume: 5500 bbls
Dewatering method used: Evaporated
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

Letter of Confidentiality Received
Date: 12/14/2011

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: NAOMI JAMES Date: 01/19/2012



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





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: Grd	
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 1602

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

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

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
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	6.79	272.40	2,166.6	6.2	5.5	-5.6	2.97
2,263.0	7.04	281.39	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:	EDMOXC

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	NIS (usft)	E/W (usft)	V. Sec (usft)	DLog (°/100usft)
2,935.0	26.63	267.77	2,904.2	5.0	-189.8	169.5	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	28.56	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
5,327.0	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: _____



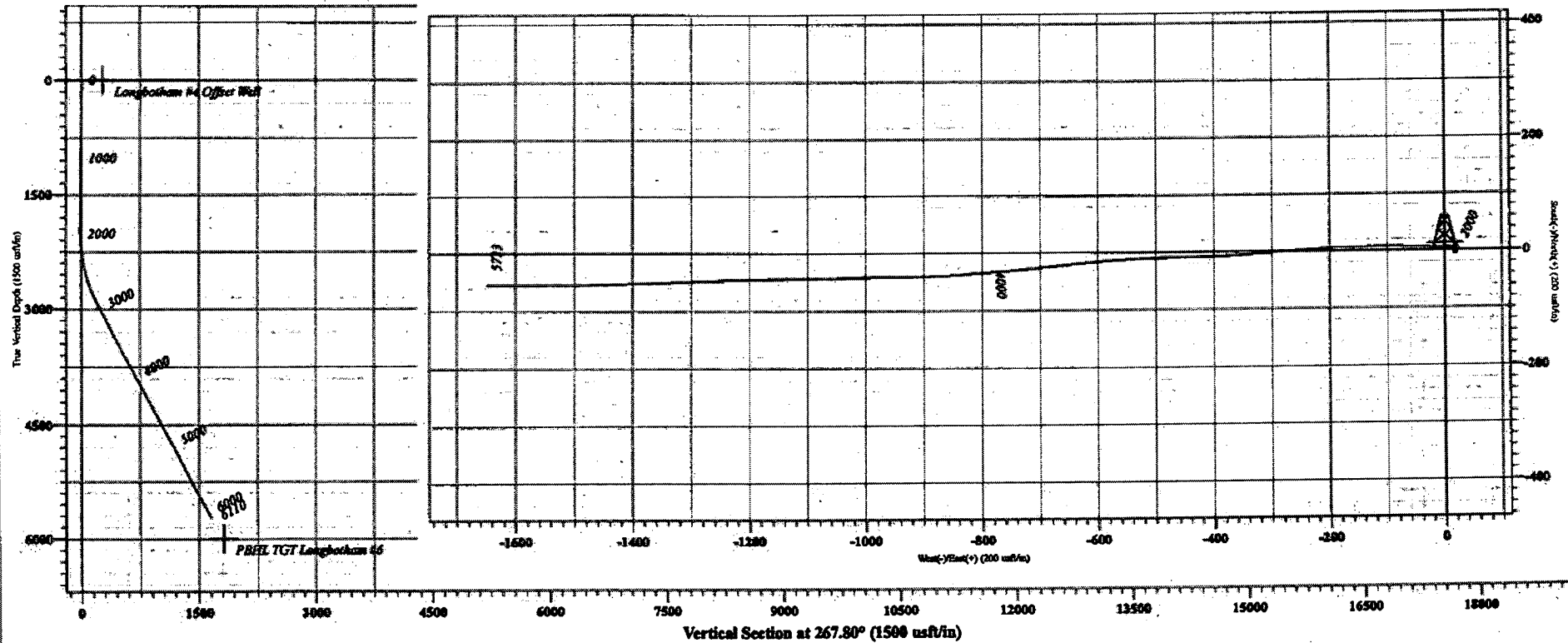
Oxy USA Inc.

Field: Haskell County Kansas
Site: Section 3 - 36S - 32W
Well: Longbootham #6
Wellpath: Original Wellpath
Plan: Original Wellpath



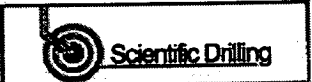
Azimuth to Grid North
True North: 1.41°
Magnetic North: 7.95°

Magnetic Field
Strength: 51923.0uT
Dip Angle: 65.29°
Date: 06/28/2011
Model: IROCG2011



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

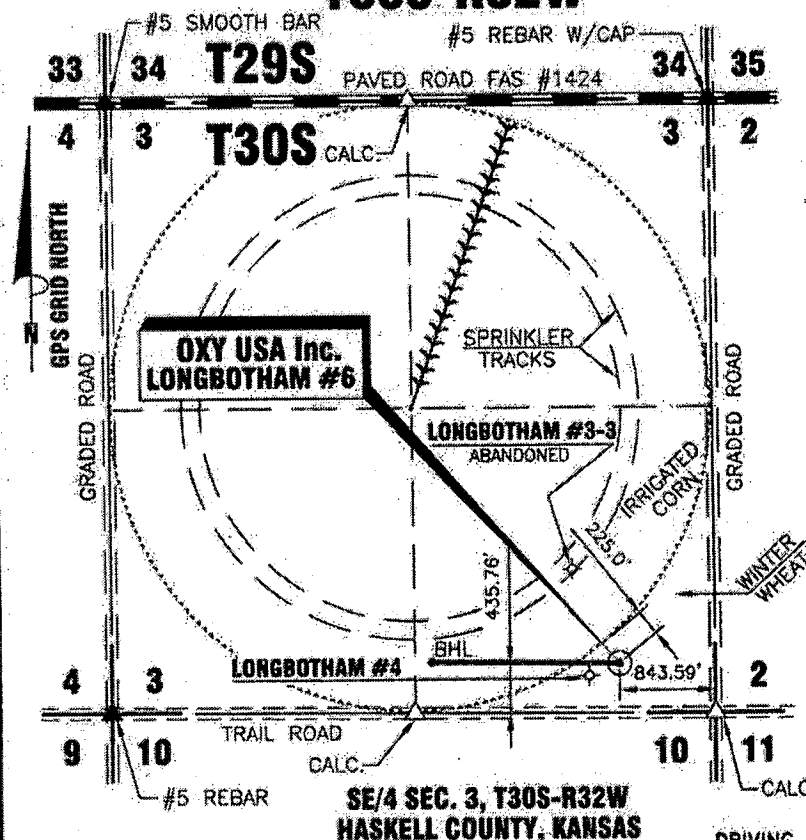


Design: Original Wellpath (Longbootham #6/Original Wellpath)
Created By: Gene Lightfoot Date: 11:28, August 30 2011

WELL	WELL ID	Wellbore	WELL DETAILS: Longbootham #6	Latitude	Longitude	Site
0.0	0.0	267.80.24	111121.71	37° 27' 41.30"N	100° 46' 11.12"W	

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 & 435.78' 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

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

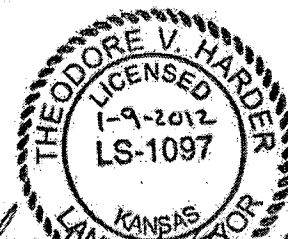
STATE PLANE COORD. X = 1330642.90

KANSAS SOUTH ZONE Y = 297614.02
NAD 27

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

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.



Theodore V. Harder
Theodore V. Harder, L.S. No. 1097

OXY USA Inc.
1117 N. HIGHWAY 27
P.O. DRAWER 330
ELKHART, KANSAS 67850
(820) 897-2500

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

NO.	DATE	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, 614 MORTON
ELKHART, KANSAS 67850
Phone: (820) 697-2696
Fax: (820) 697-4176
E-MAIL: tharder@efchart.com

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

DRAWING NO. OX1211A12