

Occidental Permian Ltd.
5 Greenway Plaza Suite 110
Houston Tx 77046

RECEIVED

APR 16 2013 Date: Mar 27th, 2013

NMOCD ARTESIA

Attention: Carlos Mercado
David Stewart

Re: Occidental Permian Ltd
Lost Tank 3 #14
Eddy County, New Mexico

15-37918

Enclosed, please find the original survey performed on the referenced well by Savanna 415 using Weatherford's DMT tool. Other information required by your office is as follows:

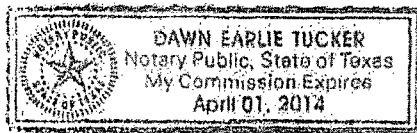
Name & Title Of Surveyor	Surveyed Depths	Dates Performed	Type of Survey
H&P	396' MD to	01/27/2011	DMT
344	8167' MD	02/06/2011	Inclination

On this, the 28 day of March, 2013, before me a notary public, the undersigned officer, personally appeared ANDY DALE, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

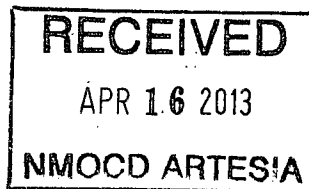
Dawn Earlie Tucker
Notary Public

Andy Dale
Administrator



2.2.2 Survey Stations

Date	Station Type Code	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (%/100ft)	Build (%/100ft)	Turn (%/100ft)	IFace (°)
1/27/2011	Tie On	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/27/2011	NORMAL	396	0.00	0.00	396.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NORMAL	788	0.50	0.00	788.00	1.71	0.00	1.71	0.13	0.13	0.00	0.00
	NORMAL	909	0.25	0.00	908.99	2.50	0.00	2.50	0.21	-0.21	0.00	180.00
	NORMAL	1034	0.75	0.00	1,033.99	3.59	0.00	3.59	0.40	0.40	0.00	0.00
	NORMAL	1161	0.75	0.00	1,160.98	5.26	0.00	5.26	0.00	0.00	0.00	0.00
	NORMAL	1288	0.75	0.00	1,287.97	6.92	0.00	6.92	0.00	0.00	0.00	0.00
	NORMAL	1447	1.00	0.00	1,446.95	9.35	0.00	9.35	0.16	0.16	0.00	0.00
	NORMAL	1542	1.00	0.00	1,541.93	11.00	0.00	11.00	0.00	0.00	0.00	0.00
1/28/2011	NORMAL	1765	0.50	0.00	1,764.91	13.92	0.00	13.92	0.22	-0.22	0.00	180.00
	NORMAL	1891	1.00	0.00	1,890.90	15.57	0.00	15.57	0.40	0.40	0.00	0.00
	NORMAL	2019	0.50	0.00	2,018.89	17.25	0.00	17.25	0.39	-0.39	0.00	180.00
	NORMAL	2146	0.75	0.00	2,145.88	18.63	0.00	18.63	0.20	0.20	0.00	0.00
	NORMAL	2273	1.00	0.00	2,272.87	20.57	0.00	20.57	0.20	0.20	0.00	0.00
	NORMAL	2399	1.00	0.00	2,398.85	22.77	0.00	22.77	0.00	0.00	0.00	0.00
	NORMAL	2527	1.50	0.00	2,526.82	25.56	0.00	25.56	0.39	0.39	0.00	0.00
	NORMAL	2586	1.75	0.00	2,585.79	27.24	0.00	27.24	0.42	0.42	0.00	0.00
	NORMAL	2717	2.00	0.00	2,716.72	31.52	0.00	31.52	0.19	0.19	0.00	0.00
	NORMAL	2781	2.00	0.00	2,780.68	33.76	0.00	33.76	0.00	0.00	0.00	0.00
	NORMAL	2844	2.00	0.00	2,843.65	35.96	0.00	35.96	0.00	0.00	0.00	0.00
	NORMAL	2908	2.00	0.00	2,907.61	38.19	0.00	38.19	0.00	0.00	0.00	0.00
	NORMAL	2972	2.25	0.00	2,971.56	40.56	0.00	40.56	0.39	0.39	0.00	0.00
	NORMAL	3035	2.00	0.00	3,034.52	42.90	0.00	42.90	0.40	-0.40	0.00	180.00
	NORMAL	3162	2.75	0.00	3,161.41	48.16	0.00	48.16	0.59	0.59	0.00	0.00
	NORMAL	3289	3.25	0.00	3,288.24	54.81	0.00	54.81	0.39	0.39	0.00	0.00
1/29/2011	NORMAL	3417	3.25	0.00	3,416.03	62.06	0.00	62.06	0.00	0.00	0.00	0.00
	NORMAL	3544	3.00	0.00	3,542.84	68.99	0.00	68.99	0.20	-0.20	0.00	180.00
	NORMAL	3607	3.25	0.00	3,605.75	72.42	0.00	72.42	0.40	0.40	0.00	0.00
	NORMAL	3766	3.00	0.00	3,764.51	81.09	0.00	81.09	0.16	-0.16	0.00	180.00
	NORMAL	3885	2.75	0.00	3,883.36	87.06	0.00	87.06	0.21	-0.21	0.00	180.00
2/2/2011	NORMAL	4005	2.25	0.00	4,003.25	92.29	0.00	92.29	0.42	-0.42	0.00	180.00
	NORMAL	4204	2.00	0.00	4,202.11	99.67	0.00	99.67	0.13	-0.13	0.00	180.00
	NORMAL	4610	2.25	0.00	4,607.83	114.73	0.00	114.73	0.06	0.06	0.00	0.00
	NORMAL	4893	2.25	0.00	4,890.61	125.84	0.00	125.84	0.00	0.00	0.00	0.00
	NORMAL	4999	1.75	0.00	4,996.55	129.54	0.00	129.54	0.47	-0.47	0.00	180.00
	NORMAL	5116	1.75	0.00	5,113.49	133.11	0.00	133.11	0.00	0.00	0.00	0.00
	NORMAL	5275	1.75	0.00	5,272.42	137.96	0.00	137.96	0.00	0.00	0.00	0.00
	NORMAL	5787	1.00	0.00	5,784.27	150.23	0.00	150.23	0.15	-0.15	0.00	180.00
2/3/2011	NORMAL	5443	1.50	0.00	5,440.35	142.73	0.00	142.73	0.15	-0.15	0.00	180.00
	NORMAL	5787	1.00	0.00	5,784.27	150.23	0.00	150.23	0.00	0.00	0.00	0.00
	NORMAL	6103	1.25	0.00	6,100.21	156.44	0.00	156.44	0.08	0.08	0.00	0.00
	NORMAL	6417	0.50	0.00	6,414.17	161.23	0.00	161.23	0.24	-0.24	0.00	180.00
2/4/2011	NORMAL	6765	1.50	0.00	6,762.11	167.31	0.00	167.31	0.29	0.29	0.00	0.00
	NORMAL	7280	1.00	0.00	7,276.98	178.54	0.00	178.54	0.10	-0.10	0.00	180.00
	NORMAL	7523	1.00	0.00	7,519.95	182.78	0.00	182.78	0.00	0.00	0.00	0.00
	NORMAL	7846	0.00	0.00	7,842.93	185.60	0.00	185.60	0.31	-0.31	0.00	180.00
2/5/2011	NORMAL	8167	1.25	0.00	8,163.91	189.10	0.00	189.10	0.39	0.39	0.00	0.00
	NORMAL	8197	1.25	0.00	8,193.90	189.76	0.00	189.76	0.00	0.00	0.00	0.00



OCCIDENTAL PERMIAN LTD.

Lost Tank Delaware, West
Eddy County, NM
Lost Tank 3 Federal #14
VH - Job #32K0111071

Survey: Actual

SDI Standard Survey Report

30 January, 2011

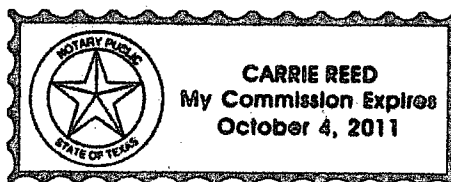
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notarized this date 30th of January, 2011.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	OCCIDENTAL PERMIAN LTD	Local Co-ordinate Reference:	Well Lost Tank 3 Federal #14
Project:	Lost Tank Delaware West	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Lost Tank 3 Federal #14	North Reference:	Grid
Wellbore:	VH - Job #32K0111071	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0111071	Database:	EDM-Regulatory

Project:	Lost Tank Delaware West		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Eddy County NM		
Site Position:		Northing:	515,232.05 usft
From:	Lat/Long	Easting:	676,005.63 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 24' 54.705 N
		Longitude:	103° 45' 46.737 W
		Grid Convergence:	0.31 °

Well:	Lost Tank 3 Federal #14 Vertical		
Well Position	+N-S	0.0 usft	Northing: 515,947.87 usft
	+E-W	0.0 usft	Easting: 676,247.09 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 25' 1.776 N
		Longitude:	103° 45' 43.876 W
		Ground Level:	0.0 usft

Wellbore:	VH - Job #32K0111071		
Magnetics	Model Name	Sample Date	Declination
	BGGM2010	1/25/2011	7.79
			Dip Angle
			60.35
			Field Strength
			48,812

Design:	VH - Job #32K0111071		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			290.53

Survey Program	Date 1/30/2011		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
79.0	627.6	Actual (VH - Job #32K0111071)	Keeper
			Description
			Keeper Surface Readout

Survey							
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0
79.0	0.36	300.24	79.0	0.1	-0.2	300.24	0.2
170.9	0.35	290.27	170.9	0.4	-0.7	296.82	0.8
263.9	0.32	304.84	263.9	0.6	-1.2	296.98	1.4
356.8	0.29	288.24	356.8	0.8	-1.6	296.97	1.8
447.0	0.34	294.33	447.0	1.0	-2.1	295.82	2.3
537.2	0.22	289.01	537.2	1.2	-2.5	295.25	2.8
627.6	0.35	236.33	627.6	1.1	-2.9	290.53	3.1



Project: Lost Tank Delaware, West
Eddy County, NM
Well: Lost Tank 3 Federal #14
Wellbore: VH - Job #32K0111071
Design: VH - Job #32K0111071

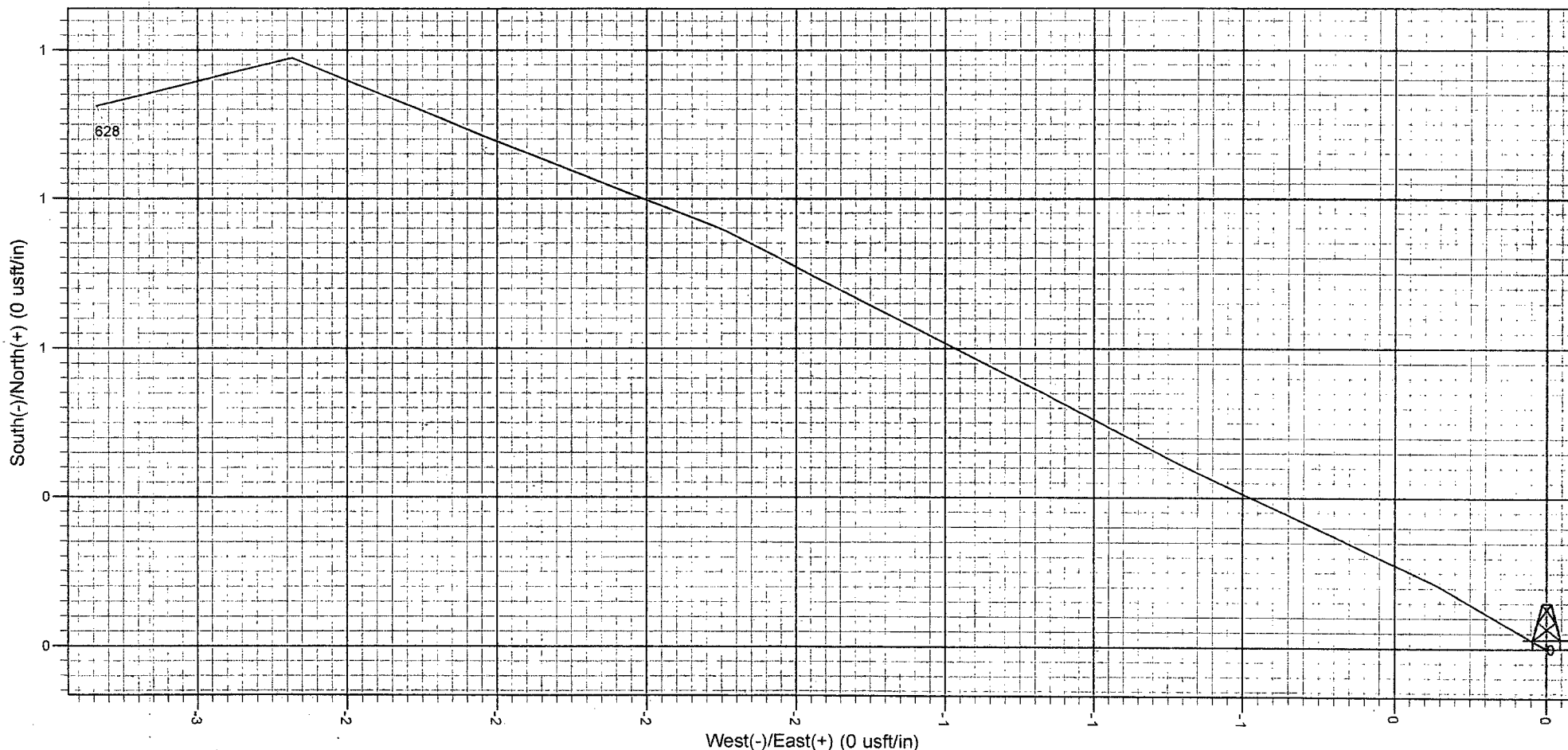


Azimuths to Grid North
True North: -0.31°
Magnetic North: 7.49°

Magnetic Field
Strength: 48811.9nT
Dip Angle: 60.35°
Date: 1/25/2011
Model: BGM2010

WELL DETAILS: Lost Tank 3 Federal #14
WELL @ 0.0usft (Original Well Elev)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	515947.87	676247.09	32° 25' 1.776 N	103° 45' 43.876 W	



PROJECT DETAILS: Lost Tank Delaware, West
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON-CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

SITE DETAILS: Eddy County, NM
Site Centre Latitude: 32° 24' 54.705 N
Longitude: 103° 45' 46.737 W
Positional Uncertainty: 0.0
Convergence: 0.31
Local North: Grid

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesio, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

AUG 25 2010

NMOCD ARTESIA

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease- 4 Copies

Fee Lease- 3 Copies

☒ AMENDED REPORT

As dictated

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-37918	Pool Code 96582	Pool Name LOST TANK DELAWARE, WEST
Property Code 304875	Property Name LOST TANK 3 FEDERAL	Well Number 14
OCRID No. 16696	Operator Name OXY USA INC.	Elevation

Surface Location

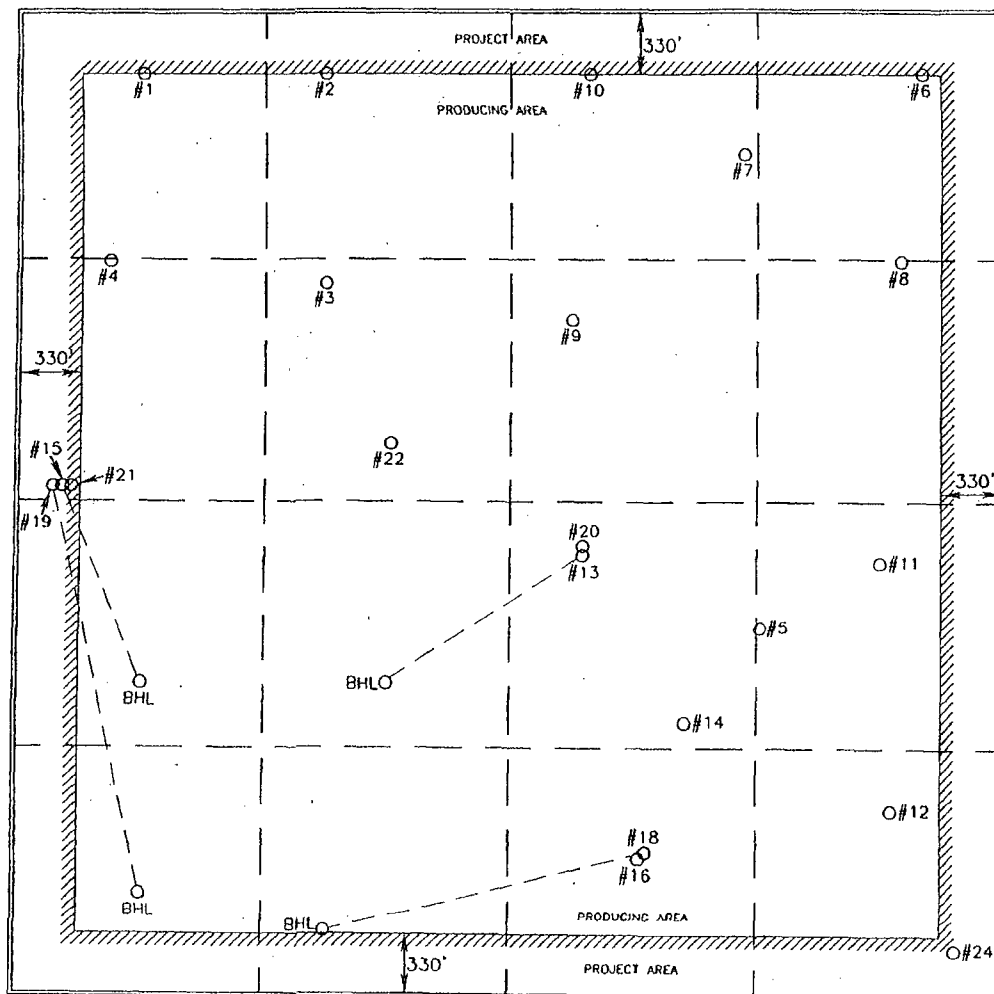
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	3	22 SOUTH	31 EAST, N.M.P.M.		1450	south	1700	east	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 640	Joint or Infill Y	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

David Stewart 8/22/10
Signature Date

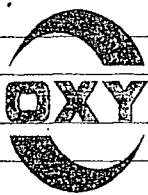
David Stewart
Printed Name
david_stewart@oxy.com

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes and actual survey made by me or under my supervision and that the same is true and correct to the best of my belief.

James J. Abel 8/4/2010
Date of Survey Signature and Seal of Professional Land Surveyor
Certificate Number 15079

WO# Lost Tank 3 Fed. (KA)



OXY USA Inc

Lost Tank 3 Federal #14

API # 30-015-37918

County/State: EDDY, NM

USIT interpretation

11.75" 42# H-40 CSA 706' w/ 550 sx cmt to surface

Deviated Well

8.625" 32# J-55 CSA 3940' w/ 1280 sx cmt to surface

DV TOOL W/ ECP @ 3980' (casing tally depth)

DV TOOL W/ ECP @ 4010' (log depth)

DV TOOL @ 5889' (casing tally depth)

DV TOOL @ 5925' (log depth)

Planned Perforations @ 7930'-7940' and 7960'-7970'

5.5" 17# J-55 LTC CSG @ 8258' W/ 0 sx CMT CIRC

PBTD: FC @ 8170'

TD: 8260'

CHRONO

5.5" csg cmt job

Stage 1: 510 sx (92 sx circulated off DV tool)

Stage 2: 600 sx, flush and attempt to close plug, no psi

Decent cement from 400'-500'

Poor to no cement from 500'-1000'

Good cement 1000'-1300'

Poor to no cement from 1300'-1550'

Decent cement from 1600'-2450'

Good cement from 2450'-3350'

Poor to no cement from 3350'-4275'

Patchy cement from 4275'-4600'

Good cement from 4600'-5220'

No cement 5220'-5450'

Good cement from 5450'-5820'

Decent cement from 5850'-6025'

Good cement from 6030'-6800'

Good cement but possible channel 6800'-7075'

Poor cement from 7075'-7310'

Good cement from 7310'-7840'

Poor to no cement from 7310'-8110'