

Schlumberger

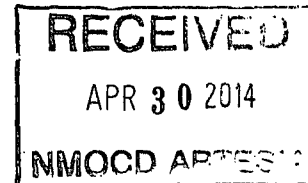
Schlumberger Technology Corporation
1325 S Dairy Ashford, Rm 5012
Houston, TX 77077
281-285-6262

Date: March 17, 2014

State of New Mexico
Oil Conservation Division
District 2 - ARTESIA
811 S. First St.
Artesia, NM 88210

Attention: T.C. Shaffert

Company Name: Occidental Permian LTD
Well Name: McHam 34 State 003
County: Eddy
State: New Mexico
API number: 30-015-41232

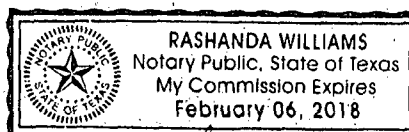


Enclosed please find the original copy of the Continuous Direction Survey performed by Schlumberger Wireline & Testing and Data Services, divisions of Schlumberger Technology Corporation (P-5 No. 754900). The Continuous Directional Survey was calculated from GPIT Survey data, and processed by Elizabeth Rosborough, PetroTechnical Services located in DS-Houston. Information required by your office is as follows:

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Elizabeth Rosborough Geology Tech	1	0 ft - 5258 ft	Mar. 17, 2014	GPIT

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address or call (281) 285-6262.

Elizabeth Rosborough
Elizabeth Rosborough
Geology Tech
Enclosures



Rashanda Williams March 17, 2014

Schlumberger

McHam 34 State 003

General Information:

Company Name:	Occidental Permian LTD
Field:	Artesia
Well:	McHam 34 State 003
County:	Eddy
State:	New Mexico
Surface Location:	1226' FNL & 1593' FEL
Latitude:	32.789 deg N
Longitude:	104.160 deg W
API Number	30-015-41232
Logging Engineer:	T.Amzen / C. Cruz
Processed By:	Elizabeth Rosborough
Service Order Number:	CGU8-00054
Job Number:	DSP-2014-08146
Date Logged:	13-Mar-2014
Date Processed:	17-Mar-2014

Bottom Hole Location:

Measured Depth	True Vertical Depth	North/South Drift	East/West Drift	Closure Distance	Closure Direction
Ft	Ft	Ft	Ft	Ft	Deg
5258.00	5256.51	81.13	-40.71	90.77	333.35

Occidental Permian LTD

McHam 34 State 003



GEOFRAME PROCESSED INTERPRETATION

Certified Directional Survey

0'MD - 5258' MD

*A Mark of Schlumberger

Using the following logs: GPIT-F

COMPANY:	Occidental Permian LTD		
WELL:	McHam 34 State 003		
FIELD:	Artesia		
County:	Eddy		
State:	New Mexico		
COUNTRY:	USA		
Date Logged:	13-Mar-2014	Date Processed:	17-Mar-2014
Well Location:	1226' FNL & 1593' FEL		
Elevations:	KB: 3688.2ft	DF: 3687.2ft	GL: 3674.2ft
API Number:	30-015-41232	Job Number:	DSP-2014-08146

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The well name, location and borehole reference data were furnished by the customer.

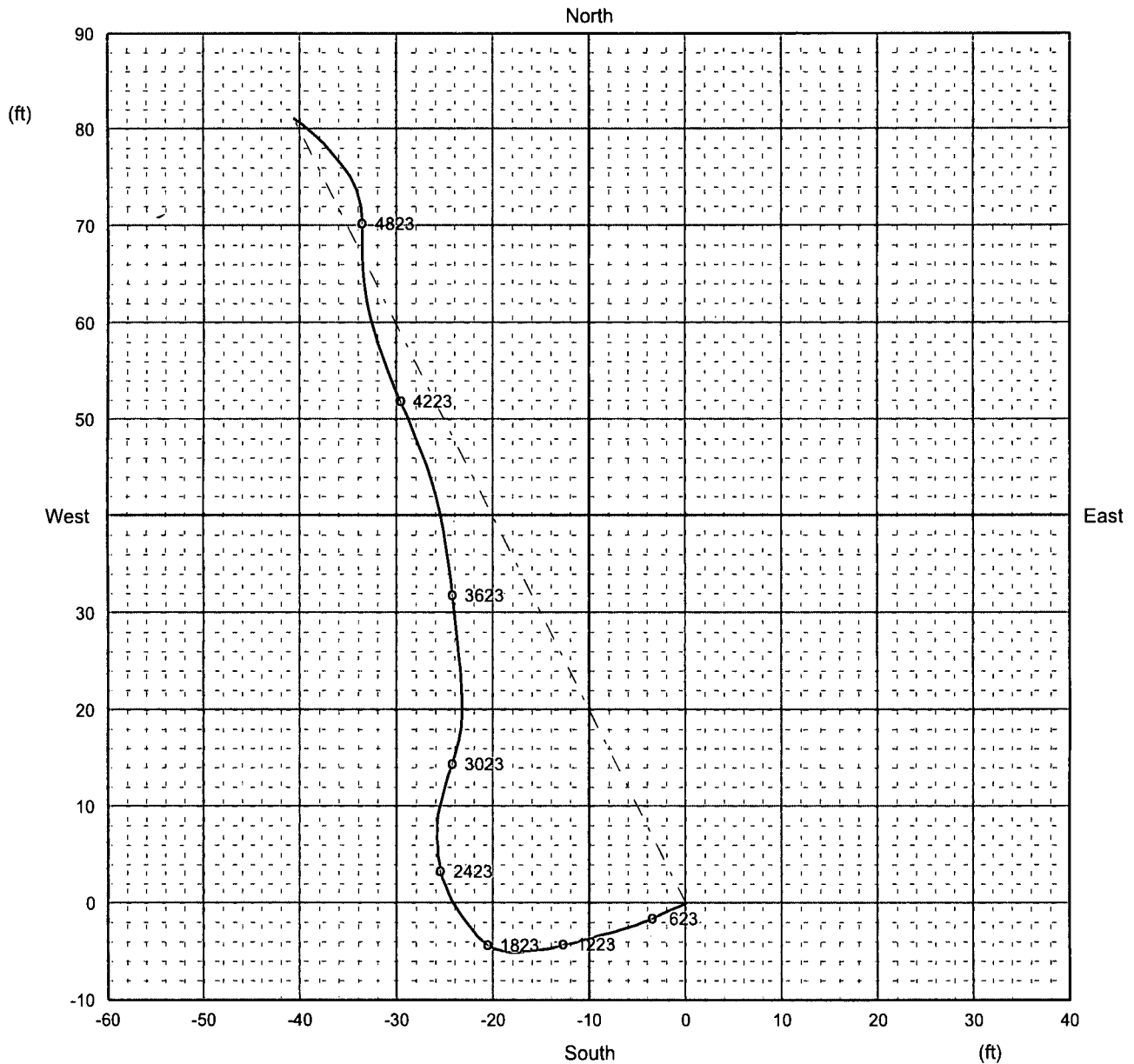
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Field Recording:	Location:	Roswell, NM	Software Version:	20C0-999	Engineer:
Office Recording:	ICS Center:	Houston	Baseline:		Log Analyst: E. Rosborough
Mud and Borehole Measurements:					
Rm @ Measured Temperature:	0.08ohm.m	@ 60degF	BHT:	102degF	Bitsize: 7.875in
Rmf @ Measured Temperature:	0.06ohm.m	@ 68degF	Type Fluid in Hole:		WATER
Rmc @ Measured Temperature:	0.11ohm.m	@ 68degF	Mud Density:	9.7lbm/gal	

Remarks:

0' MD - 400' MD in Casing....Assumed Vertical
GPIT Data Good at 473' MD
Grid Convergence Angle = 0.455 deg

McHam 34 State 003



Projection on Horizontal Plane

Horizontal scale 1 in : 16 ft

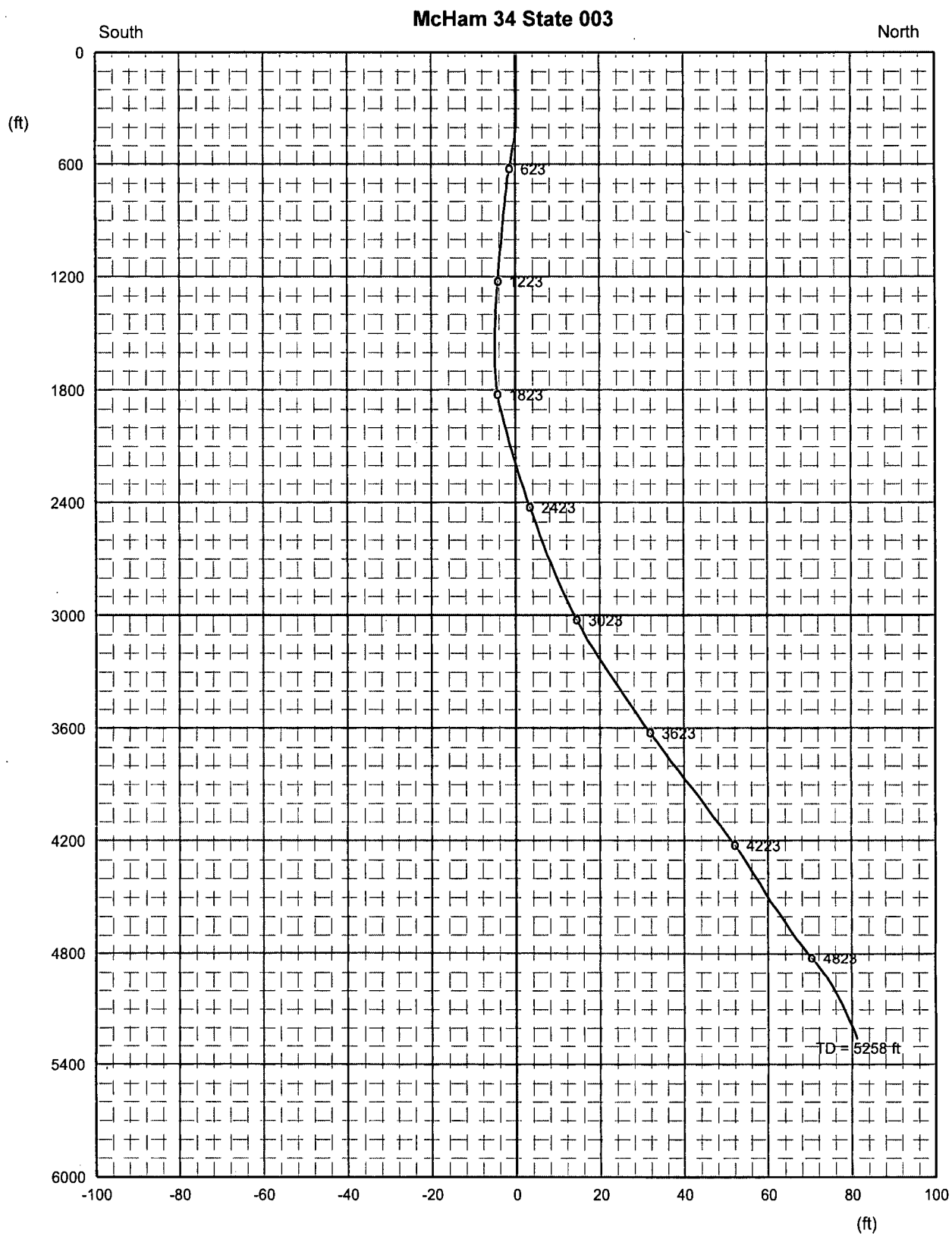
Minimum Curvature Method

Tie In Location

Measured Depth	400.00	ft
True Vertical Depth	400.00	ft
Distance North	0.00	ft
Distance East	0.00	ft

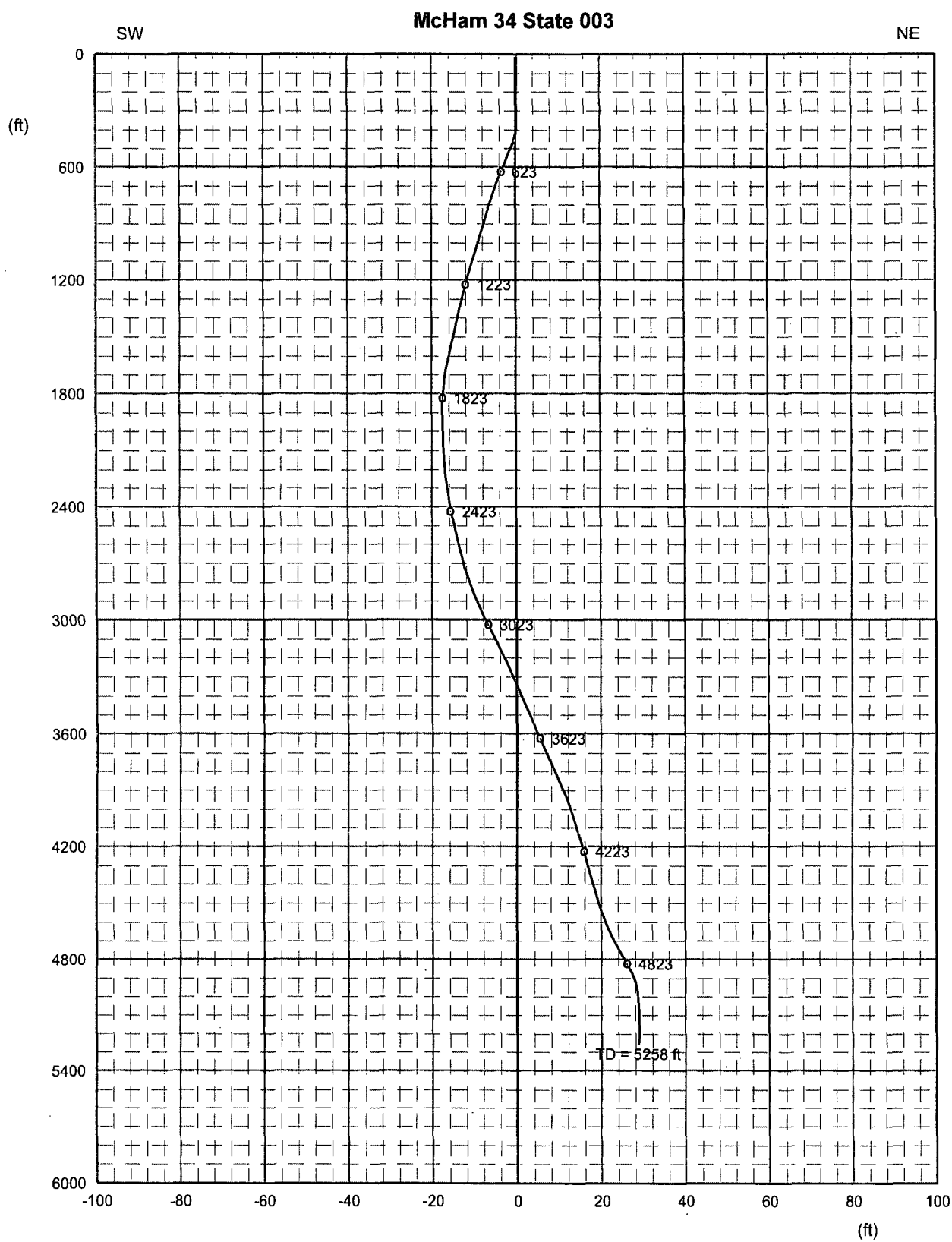
Bottom Hole Location

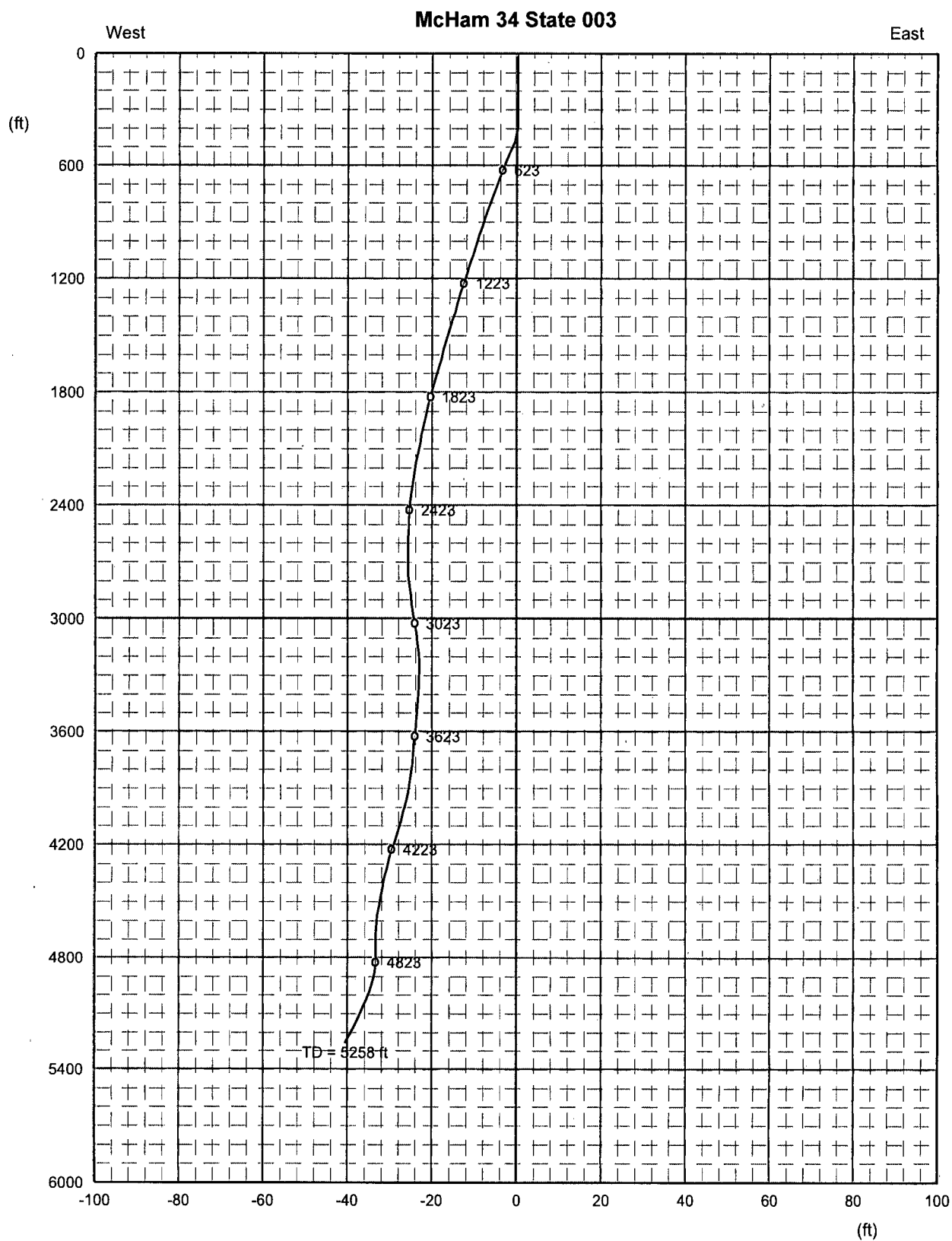
Measured Depth	5258.00	ft
True Vertical Depth	5256.51	ft
Distance North	81.13	ft
Distance East	-40.71	ft
Closure Distance	90.77	ft
Closure Direction	333.35	deg



Projection on Vertical Plane

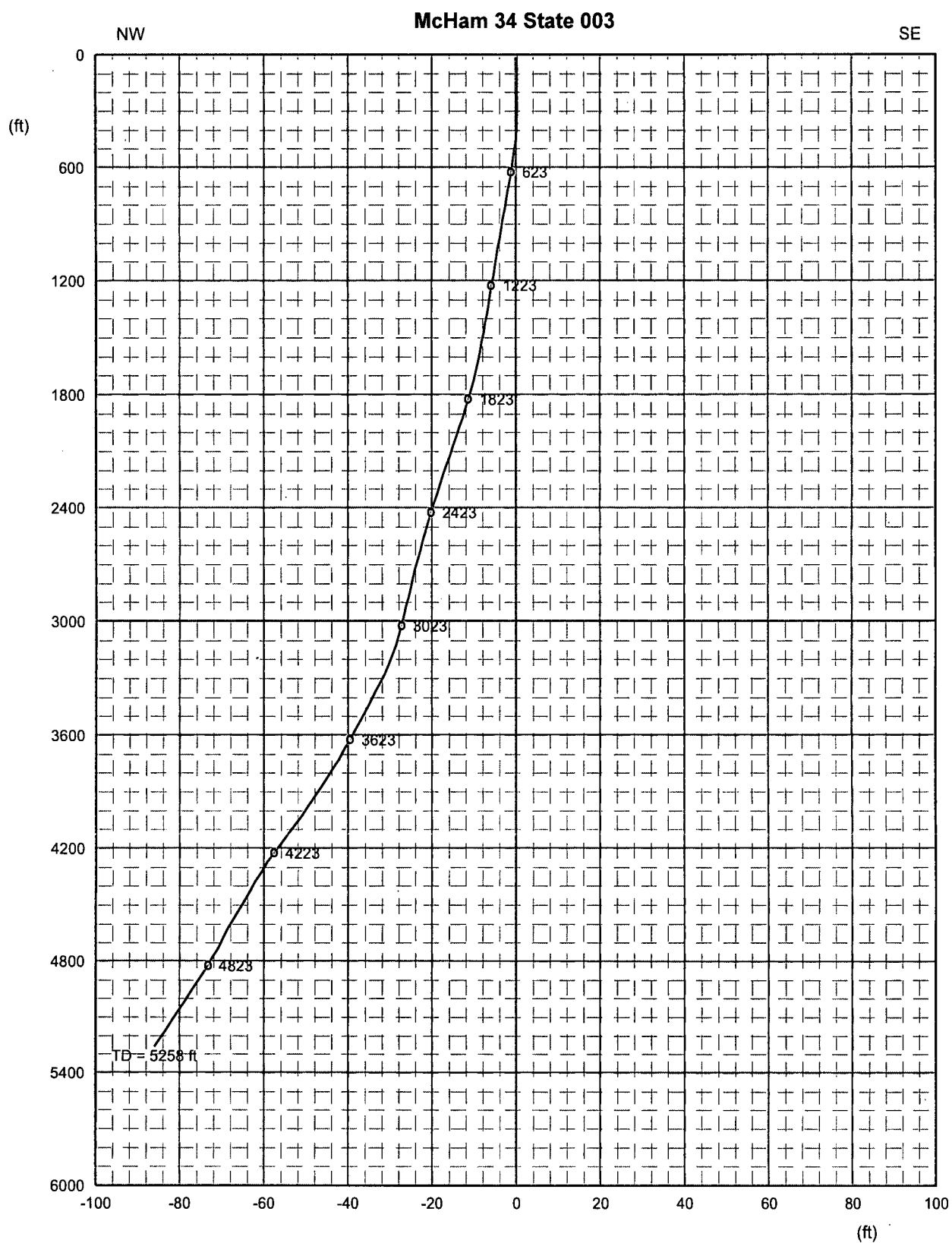
Vertical scale 1 in : 750 , Horizontal scale 1 in : 33 ft





Projection on Vertical Plane

Vertical scale 1 in : 750 , Horizontal scale 1 in : 33 ft



Projection on Vertical Plane

Vertical scale 1 in : 750 , Horizontal scale 1 in : 33 ft

MD (ft)	TVD (ft)	DEVI (deg)	AZIM (deg)	DX (ft)	DY (ft)
0.00	0.00	0.00	0.00	0.00	0.00
400.00	400.00	0.00	0.00	0.00	0.00
473.00	472.99	1.27	245.81	-0.74	-0.33
523.00	522.98	1.20	245.99	-1.72	-0.77
573.00	572.97	1.11	246.46	-2.64	-1.18
623.00	622.96	1.11	245.66	-3.53	-1.57
673.00	672.95	1.02	246.28	-4.38	-1.95
723.00	722.95	0.97	256.41	-5.20	-2.23
773.00	772.94	1.03	248.99	-6.03	-2.49
823.00	822.93	0.85	256.26	-6.81	-2.74
873.00	872.93	1.01	251.12	-7.58	-2.97
923.00	922.92	0.86	259.56	-8.37	-3.18
973.00	972.91	0.91	251.70	-9.11	-3.37
1023.00	1022.91	0.88	258.19	-9.86	-3.57
1073.00	1072.90	0.80	250.75	-10.57	-3.77
1123.00	1122.90	0.88	257.51	-11.28	-3.97
1173.00	1172.89	0.86	258.24	-12.02	-4.13
1223.00	1222.89	0.81	256.19	-12.73	-4.29
1273.00	1272.88	0.84	256.45	-13.44	-4.46
1323.00	1322.88	0.70	253.76	-14.08	-4.63
1373.00	1372.87	0.80	262.34	-14.72	-4.76
1423.00	1422.87	0.81	263.01	-15.42	-4.85
1473.00	1472.86	0.79	263.79	-16.11	-4.93
1523.00	1522.86	0.74	263.02	-16.78	-5.01
1573.00	1572.85	0.75	267.34	-17.43	-5.06
1623.00	1622.85	0.74	272.23	-18.07	-5.07
1673.00	1672.84	0.74	279.11	-18.71	-5.00
1723.00	1722.84	0.75	285.93	-19.35	-4.86
1773.00	1772.84	0.79	293.65	-19.98	-4.63
1823.00	1822.83	0.75	298.82	-20.58	-4.34
1873.00	1872.83	0.81	316.33	-21.11	-3.92
1923.00	1922.82	0.86	313.55	-21.63	-3.41
1973.00	1972.82	0.86	324.59	-22.12	-2.84
2023.00	2022.81	0.88	319.19	-22.59	-2.25
2073.00	2072.80	0.91	328.40	-23.05	-1.62
2123.00	2122.80	0.83	322.39	-23.47	-1.00
2173.00	2172.79	0.92	326.60	-23.92	-0.37
2223.00	2222.79	0.95	333.92	-24.32	0.33
2273.00	2272.78	0.87	340.92	-24.63	1.06
2323.00	2322.77	0.89	332.54	-24.93	1.77
2373.00	2372.77	0.99	339.87	-25.26	2.52
2423.00	2422.76	0.94	348.06	-25.49	3.33
2473.00	2472.75	0.93	354.00	-25.62	4.13
2523.00	2522.75	0.95	351.07	-25.73	4.94

2573.00	2572.74	0.84	359.69	-25.79	5.72
2623.00	2622.73	1.00	356.71	-25.82	6.52
2673.00	2672.73	1.00	357.72	-25.86	7.39
2723.00	2722.72	1.05	1.10	-25.87	8.28
2773.00	2772.71	1.13	10.93	-25.77	9.23
2823.00	2822.70	1.13	18.98	-25.51	10.18
2873.00	2872.69	1.19	12.93	-25.24	11.15
2923.00	2922.68	1.28	15.92	-24.97	12.20
2973.00	2972.66	1.34	17.69	-24.63	13.30
3023.00	3022.65	1.41	18.88	-24.26	14.43
3073.00	3072.63	1.45	13.33	-23.91	15.63
3123.00	3122.62	1.55	14.58	-23.60	16.90
3173.00	3172.60	1.63	6.92	-23.34	18.26
3223.00	3222.58	1.64	1.21	-23.24	19.69
3273.00	3272.56	1.67	358.22	-23.25	21.14
3323.00	3322.53	1.74	356.73	-23.31	22.62
3373.00	3372.51	1.76	355.80	-23.41	24.14
3423.00	3422.49	1.78	354.10	-23.55	25.68
3473.00	3472.46	1.77	353.29	-23.72	27.22
3523.00	3522.44	1.73	352.68	-23.91	28.74
3573.00	3572.42	1.76	353.93	-24.08	30.25
3623.00	3622.39	1.87	353.41	-24.26	31.82
3673.00	3672.36	1.90	353.41	-24.45	33.45
3723.00	3722.34	1.89	351.91	-24.66	35.09
3773.00	3772.31	1.92	350.30	-24.91	36.73
3823.00	3822.28	2.02	350.89	-25.19	38.42
3873.00	3872.25	2.06	348.49	-25.51	40.18
3923.00	3922.22	2.06	345.85	-25.91	41.93
3973.00	3972.19	2.00	342.96	-26.39	43.63
4023.00	4022.16	1.94	339.44	-26.94	45.25
4073.00	4072.12	2.08	339.09	-27.56	46.89
4123.00	4122.09	2.10	338.57	-28.22	48.59
4173.00	4172.06	2.11	336.78	-28.92	50.29
4223.00	4222.03	2.01	335.97	-29.64	51.94
4273.00	4272.00	1.89	336.74	-30.32	53.50
4323.00	4321.97	1.76	339.72	-30.91	54.97
4373.00	4371.95	1.71	339.74	-31.43	56.39
4423.00	4421.93	1.65	342.38	-31.91	57.77
4473.00	4471.91	1.61	342.15	-32.34	59.13
4523.00	4521.89	1.80	345.90	-32.75	60.56
4573.00	4571.86	1.80	349.03	-33.09	62.09
4623.00	4621.84	1.79	350.89	-33.36	63.63
4673.00	4671.81	1.64	356.55	-33.53	65.12
4723.00	4721.79	1.95	0.79	-33.56	66.69
4773.00	4771.76	2.08	0.34	-33.54	68.45
4823.00	4821.73	2.11	358.06	-33.57	70.27

4873.00	4871.69	2.04	352.52	-33.72	72.07
4923.00	4921.66	1.86	336.93	-34.15	73.70
4973.00	4971.64	1.77	328.50	-34.87	75.10
5023.00	5021.62	1.66	321.85	-35.72	76.33
5073.00	5071.60	1.63	317.70	-36.65	77.43
5123.00	5121.58	1.67	317.57	-37.61	78.49
5173.00	5171.55	1.68	313.79	-38.63	79.53
5223.00	5221.53	1.81	305.33	-39.81	80.49
5255.00	5253.52	1.81	305.33	-40.63	81.08
5258.00	5256.51	1.81	305.33	-40.71	81.13
MD (ft)	TVD (ft)	DEVI (deg)	AZIM (deg)	DX (ft)	DY (ft)

COMPANY: Occidental Permian LTD
 WELL: McHam 34 State 003
 FIELD: Artesia
 STATE: New Mexico
 COUNTRY: USA
 Date Logged: 13-Mar-2014 Date Processed: 17-Mar-2014
 Well Location: 1226' FNL & 1593' FEL

 Elevations: K.B. 3688.2 ft D.F. 3687.2 ft G.L. 3674
 API Number: 30-015-41232 Job Number: DSP-2014-0814

District I
1623 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Pecos Road, Aztec, NM 87410
Phone: (505) 334-6179 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

RECEIVED

APR 30 2014

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-41232	Pool Code 96830	Pool Name Artesia, Glorieta - Yaso
Property Code 309600	Property Name MCHAM "34" STATE	Well Number 3
OGRID No. 157984	Operator Name OCCIDENTAL PERMIAN LIMITED PARTNERSHIP	Elevation 3674.2'

Surface Location

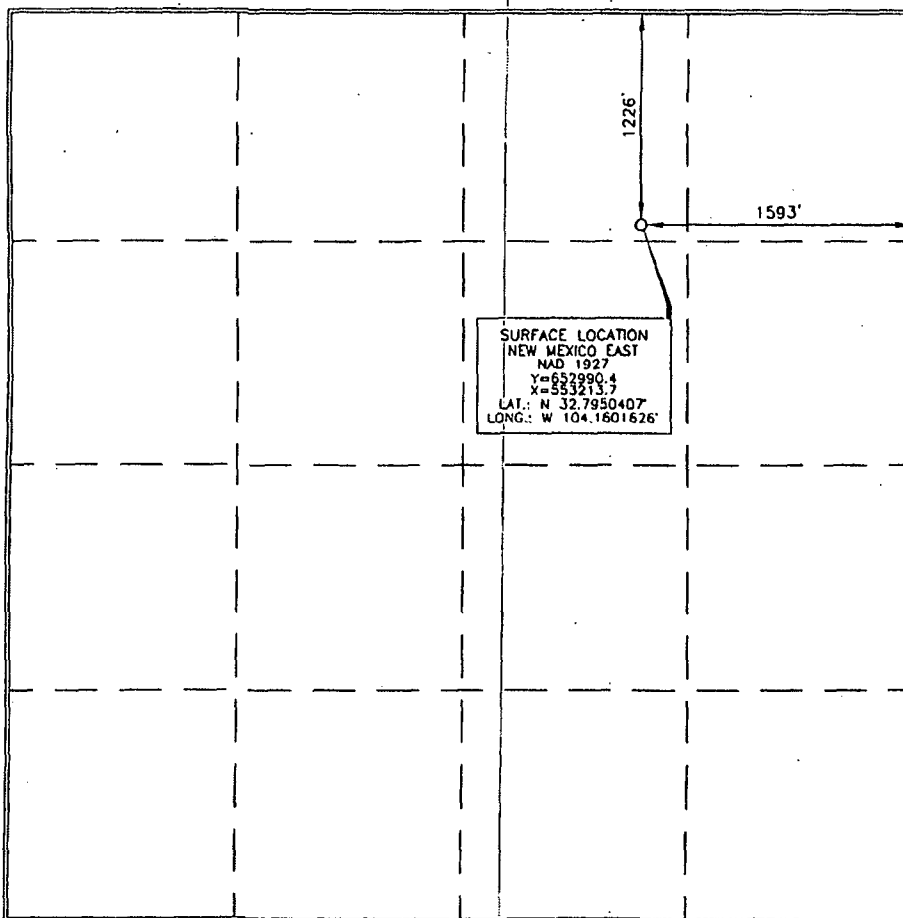
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	34	17 SOUTH	28 EAST, N.M.P.M.		1226'	NORTH	1593'	EAST	EDDY

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 40	Joint or Infill	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 undivided 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.

Signature: Jennifer Duarte
Printed Name: Jennifer Duarte
Email Address: jennifer.duarte@oxy.com

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was located by means of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

Date of Survey: AUGUST 3, 2013
Signature and Seal of Professional Surveyor: JERRY J. ASH

Signature: Jerry J. Ash
Certificate Number: 15079