

Surveyor Certification Form

Survey Company: MS ENERGY SERVICES
Surveyors Name: JAMES GALLY
Survey Job Type: RATE GYRO
Customer: OXY USA, INC
Well: STENT 21 FEDERAL 2H
API: 30-015-41221
Surveyed from: SURFACE TO A DEPTH OF 2388'MD
Survey Run Date: 12-6-13 TO 12-7-13
Surface Location: EDDY COUNTY, NM

I certify that the data is true, correct, and complete and within the limitations of the tool set forth by MS Energy Services; that I am authorized and qualified to make this report; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by MS Energy Services.

James Gally  Digitally signed by James Gally
DN: cn=James Gally, o=MS Energy
Services, ou=MS Survey,
email=jgally@msenergyservices.com, c=US
Date: 2013.01.02 15:29:39 -06'00'



Job Number: SVMO-131084
 Company: OXY USA, Inc.
 Lease/Well: Stent 21 Federal 2H
 Location: Eddy County, NM
 Rig Name: H&P #477
 RKB: 25.5'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.74°
 Grid: East To Grid North
 File name: S:\2013SU~1\OXY\MO\STENT\21FEDE~1\2H.SVY
 Date/Time: 09-Dec-13 / 10:12
 Curve Name: Surface - 2388' M.D. (Rate Gyro)

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 356.22
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
71.00	.47	45.28	71.00	.20	.21	.19	.29	45.28	.66
101.00	.29	82.36	101.00	.30	.37	.28	.48	50.79	.99
132.00	.56	298.94	132.00	.39	.31	.36	.50	39.25	2.62
162.00	.63	300.04	162.00	.54	.04	.53	.54	4.64	.24
192.00	.76	293.32	191.99	.70	-.28	.72	.75	338.08	.51
223.00	.77	280.28	222.99	.82	-.68	.86	1.06	320.47	.56
253.00	.52	281.74	252.99	.88	-1.01	.95	1.34	311.22	.84
283.00	.42	277.74	282.99	.92	-1.25	1.01	1.55	306.51	.35
313.00	.43	265.41	312.99	.93	-1.47	1.03	1.74	302.33	.31
408.00	.63	180.00	407.98	.38	-1.83	.50	1.87	281.75	.77
502.00	.37	354.19	501.98	.17	-1.86	.29	1.86	275.08	1.06
596.00	.31	272.87	595.98	.48	-2.14	.62	2.19	282.63	.47

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
691.00	.29	281.01	690.98	.54	-2.63	.71	2.69	281.55	.05
785.00	.14	316.79	784.98	.67	-2.95	.86	3.02	282.77	.21
879.00	.55	248.77	878.98	.59	-3.45	.81	3.50	279.68	.55
974.00	2.61	187.34	973.94	-1.72	-4.15	-1.45	4.49	247.44	2.52
1068.00	3.05	188.71	1067.83	-6.32	-4.80	-5.99	7.93	217.22	.47
1162.00	3.21	189.11	1161.69	-11.39	-5.59	-10.99	12.69	206.16	.17
1256.00	3.33	189.41	1255.53	-16.68	-6.46	-16.22	17.89	201.16	.13
1351.00	3.57	188.52	1350.36	-22.33	-7.35	-21.79	23.50	198.21	.26
1445.00	3.26	175.45	1444.20	-27.89	-7.57	-27.33	28.89	195.18	.89
1539.00	3.58	151.24	1538.03	-33.12	-5.94	-32.66	33.65	190.17	1.56
1634.00	4.31	138.11	1632.81	-38.38	-2.13	-38.16	38.44	183.18	1.22
1728.00	4.17	140.64	1726.55	-43.65	2.39	-43.72	43.72	176.86	.25
1822.00	4.48	125.51	1820.29	-48.43	7.55	-48.82	49.01	171.14	1.25
1917.00	5.12	84.02	1914.98	-50.14	14.79	-51.01	52.28	163.57	3.63
2011.00	5.10	85.05	2008.61	-49.34	23.12	-50.76	54.49	154.89	.10
2105.00	4.94	106.78	2102.25	-50.15	31.16	-52.10	59.04	148.15	2.02
2199.00	5.31	84.86	2195.89	-50.93	39.37	-53.42	64.37	142.30	2.11
2294.00	5.14	89.94	2290.49	-50.53	48.00	-53.59	69.70	136.47	.52
Last Survey Depth Recorded									
2388.00	4.71	106.34	2384.15	-51.61	55.92	-55.19	76.10	132.71	1.56



Weatherford*

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

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

Date: January 03.2014

Attention: Anthony Tsacher

Re: Occidental Permian Ltd
Well: Stent 21 Fed 2H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Jeremy Orona MWD Supervisor	1H	2560' MD 12672' MD	12-10-2013 12-25-2013	Measurement While Drilling

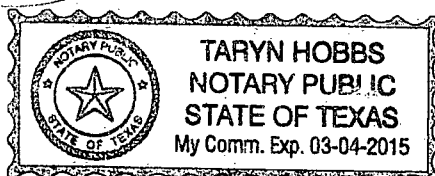
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesus Aguilar
MWD Coordinator

On this, the 7 day of January, 2014, before me a notary public, the undersigned officer, personally appeared Jesus Aguilar, 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.

Notary Public





Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford®

Company: Occidental Permian Ltd. Date: 1/3/2014 Time: 13:57:12 Page: 1
 Field: Eddy Co. NM (Nad 27) Co-ordinate(NE) Reference: Well: Stent 21 Fed #2H, Grid North
 Site: Stent 21 Fed #2H Vertical (TVD) Reference: SITE 3030.0
 Well: Stent 21 Fed #2H Section (VS) Reference: Well (0.00N,0.00E,356.22Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Start Date:

Company: Engineer:
 Tool: Tied-to:

Site: Stent 21 Fed #2H

Site Position: Northing: 435088.40 ft Latitude: 32 11 45.416 N
 From: Map Easting: 573964.60 ft Longitude: 104 5 39.207 W
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 3006.00 ft Grid Convergence: 0.13 deg

Well: Stent 21 Fed #2H Slot Name:

Well Position: +N/-S 0.00 ft Northing: 435088.40 ft Latitude: 32 11 45.416 N
 +E/-W 0.00 ft Easting: 573964.60 ft Longitude: 104 5 39.207 W
 Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
 Current Datum: SITE Height 3030.00 ft Tie-on Depth: 0.00 ft
 Magnetic Data: 11/14/2012 Above System Datum: Mean Sea Level
 Field Strength: 48425 nT Declination: 7.65 deg
 Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 60.04 deg
 ft ft +E/-W Direction
 deg
 0.00 0.00 0.00 356.22

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	435088.40	573964.60	
71.00	0.47	45.28	71.00	0.20	0.21	0.66	0.19	435088.60	573964.81	
101.00	0.29	82.36	101.00	0.30	0.37	0.99	0.28	435088.70	573964.97	
132.00	0.56	298.94	132.00	0.39	0.31	2.62	0.36	435088.79	573964.91	
162.00	0.63	300.04	162.00	0.54	0.04	0.24	0.53	435088.94	573964.64	
192.00	0.76	293.32	191.99	0.70	-0.28	0.51	0.72	435089.10	573964.32	
223.00	0.77	280.28	222.99	0.82	-0.68	0.56	0.86	435089.22	573963.92	
253.00	0.52	281.74	252.99	0.88	-1.01	0.84	0.95	435089.28	573963.59	
283.00	0.42	277.74	282.99	0.92	-1.25	0.35	1.01	435089.32	573963.35	
313.00	0.43	265.41	312.99	0.93	-1.47	0.31	1.03	435089.33	573963.13	
408.00	0.63	180.00	407.98	0.38	-1.83	0.77	0.50	435088.78	573962.77	
502.00	0.37	354.19	501.98	0.17	-1.86	1.06	0.29	435088.57	573962.74	
596.00	0.31	272.87	595.98	0.48	-2.14	0.47	0.62	435088.88	573962.46	
691.00	0.29	281.01	690.98	0.54	-2.63	0.05	0.71	435088.94	573961.97	
785.00	0.14	316.79	784.98	0.67	-2.95	0.21	0.86	435089.07	573961.65	
879.00	0.55	248.77	878.98	0.59	-3.45	0.55	0.81	435088.99	573961.15	
974.00	2.61	187.34	973.94	-1.72	-4.15	2.52	-1.45	435086.68	573960.45	
1068.00	3.05	188.71	1067.83	-6.32	-4.80	0.47	-5.99	435082.08	573959.80	
1162.00	3.21	189.11	1161.69	-11.39	-5.59	0.17	-10.99	435077.01	573959.01	
1256.00	3.33	189.41	1255.53	-16.68	-6.46	0.13	-16.22	435071.72	573958.14	
1351.00	3.57	188.52	1350.36	-22.33	-7.35	0.26	-21.79	435066.07	573957.25	
1445.00	3.26	175.45	1444.20	-27.89	-7.57	0.89	-27.33	435060.51	573957.03	
1539.00	3.58	151.24	1538.03	-33.12	-5.94	1.56	-32.66	435055.28	573958.66	
1634.00	4.31	138.11	1632.81	-38.38	-2.13	1.22	-38.16	435050.02	573962.47	
1728.00	4.17	140.64	1726.55	-43.65	2.39	0.25	-43.72	435044.75	573966.99	
1822.00	4.48	125.51	1820.29	-48.43	7.55	1.25	-48.82	435039.97	573972.15	
1917.00	5.12	84.02	1914.98	-50.14	14.79	3.63	-51.01	435038.26	573979.39	
2011.00	5.10	85.05	2008.61	-49.34	23.12	0.10	-50.76	435039.06	573987.72	
2105.00	4.94	106.78	2102.25	-50.15	31.16	2.02	-52.10	435038.25	573995.76	
2199.00	5.31	84.86	2195.89	-50.93	39.37	2.11	-53.42	435037.47	574003.97	



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 1/3/2014	Time: 13:57:12	Page: 2
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Stent 21 Fed #2H, Grid North	
Site: Stent 21 Fed #2H	Vertical (TVD) Reference:	SITE 3030.0	
Well: Stent 21 Fed #2H	Section (VS) Reference:	Well (0.00N,0.00E,356.22Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
2294.00	5.14	89.94	2290.49	-50.53	48.00	0.52	-53.59	435037.87	574012.60	
2388.00	4.71	106.34	2384.15	-51.61	55.92	1.56	-55.19	435036.79	574020.52	Tie On Gyro
2560.00	3.99	105.78	2555.65	-55.23	68.45	0.42	-59.62	435033.17	574033.05	First WFT Svy
2624.00	3.37	98.28	2619.52	-56.10	72.45	1.22	-60.76	435032.30	574037.05	
2718.00	2.57	66.88	2713.40	-55.68	77.13	1.90	-60.64	435032.72	574041.73	
2813.00	1.83	30.55	2808.34	-53.53	79.86	1.62	-58.68	435034.87	574044.46	
2908.00	1.54	345.30	2903.30	-50.99	80.30	1.39	-56.17	435037.41	574044.90	
3002.00	1.58	339.53	2997.26	-48.56	79.53	0.17	-53.69	435039.84	574044.13	
3191.00	1.51	353.37	3186.20	-43.64	78.33	0.20	-48.71	435044.76	574042.93	
3380.00	1.24	342.70	3375.14	-39.21	77.44	0.20	-44.23	435049.19	574042.04	
3569.00	1.09	345.50	3564.10	-35.52	76.38	0.08	-40.48	435052.88	574040.98	
3758.00	1.16	345.41	3753.07	-31.93	75.45	0.04	-36.83	435056.47	574040.05	
3947.00	1.20	335.45	3942.03	-28.28	74.14	0.11	-33.10	435060.12	574038.74	
4136.00	1.26	337.36	4130.98	-24.56	72.52	0.04	-29.29	435063.84	574037.12	
4326.00	1.26	277.78	4320.94	-22.35	69.65	0.66	-26.89	435066.05	574034.25	
4514.00	1.41	283.41	4508.89	-21.53	65.35	0.11	-25.79	435066.87	574029.95	
4704.00	1.44	278.04	4698.83	-20.66	60.71	0.07	-24.61	435067.74	574025.31	
4892.00	1.38	277.14	4886.78	-20.05	56.12	0.03	-23.70	435068.35	574020.72	
5081.00	1.39	268.31	5075.72	-19.83	51.58	0.11	-23.19	435068.57	574016.18	
5270.00	1.14	264.67	5264.68	-20.07	47.41	0.14	-23.15	435068.33	574012.01	
5459.00	0.91	258.10	5453.65	-20.56	44.07	0.14	-23.42	435067.84	574008.67	
5648.00	1.07	252.46	5642.62	-21.40	40.92	0.10	-24.05	435067.00	574005.52	
5837.00	0.77	257.05	5831.59	-22.21	38.00	0.16	-24.67	435066.19	574002.60	
6027.00	1.07	249.24	6021.57	-23.13	35.10	0.17	-25.39	435065.27	573999.70	
6216.00	2.05	328.59	6210.51	-20.87	31.68	1.13	-22.91	435067.53	573996.28	
6405.00	1.66	328.50	6399.41	-15.65	28.49	0.21	-17.49	435072.75	573993.09	
6594.00	1.61	330.67	6588.34	-11.00	25.76	0.04	-12.68	435077.40	573990.36	
6783.00	1.46	283.32	6777.28	-8.13	22.12	0.66	-9.57	435080.27	573986.72	
6972.00	0.63	263.97	6966.24	-7.69	18.74	0.47	-8.90	435080.71	573983.34	
7161.00	0.97	216.06	7155.23	-9.09	16.77	0.38	-10.17	435079.31	573981.37	
7310.00	1.55	250.29	7304.19	-10.79	14.13	0.62	-11.70	435077.61	573978.73	
7345.00	1.57	249.87	7339.18	-11.11	13.23	0.07	-11.96	435077.29	573977.83	
7377.00	2.27	308.40	7371.16	-10.87	12.32	6.17	-11.66	435077.53	573976.92	
7408.00	5.94	341.46	7402.08	-8.97	11.33	13.62	-9.69	435079.43	573975.93	
7440.00	9.17	348.20	7433.80	-4.90	10.28	10.45	-5.57	435083.50	573974.88	
7471.00	12.77	349.09	7464.23	0.88	9.13	11.63	0.28	435089.28	573973.73	
7503.00	16.95	350.60	7495.15	8.96	7.70	13.12	8.44	435097.36	573972.30	
7534.00	20.32	347.43	7524.52	18.68	5.79	11.35	18.26	435107.08	573970.39	
7565.00	24.02	345.89	7553.23	30.05	3.08	12.08	29.79	435118.45	573967.68	
7597.00	27.21	346.55	7582.08	43.49	-0.21	10.01	43.41	435131.89	573964.39	
7628.00	28.94	350.48	7609.43	57.78	-3.10	8.17	57.86	435146.18	573961.50	
7660.00	29.56	353.20	7637.35	73.26	-5.32	4.58	73.45	435161.66	573959.28	
7691.00	31.28	354.36	7664.08	88.86	-7.02	5.86	89.13	435177.26	573957.58	
7723.00	31.87	355.77	7691.35	105.55	-8.45	2.95	105.88	435193.95	573956.15	
7754.00	32.20	357.04	7717.63	121.96	-9.48	2.42	122.32	435210.36	573955.12	
7786.00	34.14	359.11	7744.41	139.46	-10.06	7.02	139.82	435227.86	573954.54	
7817.00	36.72	359.83	7769.67	157.43	-10.23	8.43	157.76	435245.83	573954.37	
7849.00	39.17	0.12	7794.90	177.10	-10.23	7.68	177.39	435265.50	573954.37	
7880.00	41.83	359.52	7818.47	197.23	-10.30	8.67	197.48	435285.63	573954.30	
7912.00	43.59	357.00	7841.99	218.92	-10.97	7.67	219.17	435307.32	573953.63	
7943.00	45.74	357.54	7864.04	240.69	-12.00	7.04	240.96	435329.09	573952.60	
7975.00	47.73	357.34	7885.97	263.97	-13.04	6.24	264.25	435352.37	573951.56	



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	1/3/2014	Time:	13:57:12	Page:	3
Field:	Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Stent 21 Fed #2H, Grid North				
Site:	Stent 21 Fed #2H	Vertical (TVD) Reference:	SITE 3030.0				
Well:	Stent 21 Fed #2H	Section (VS) Reference:	Well (0.00N,0.00E,356.22Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature			Db:	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8007.00	50.06	356.33	7907.00	288.04	-14.38	7.66	288.36	435376.44	573950.22	
8038.00	52.87	356.17	7926.31	312.23	-15.97	9.07	312.61	435400.63	573948.63	
8070.00	55.58	355.50	7945.02	338.12	-17.85	8.64	338.57	435426.52	573946.75	
8101.00	58.78	355.07	7961.82	364.08	-20.00	10.39	364.61	435452.48	573944.60	
8133.00	61.49	353.15	7977.75	391.68	-22.85	9.94	392.34	435480.08	573941.75	
8164.00	63.95	352.46	7991.96	419.02	-26.30	8.18	419.84	435507.42	573938.30	
8196.00	65.95	353.88	8005.51	447.80	-29.75	7.43	448.78	435536.20	573934.85	
8227.00	68.08	355.80	8017.62	476.22	-32.31	8.93	477.31	435564.62	573932.29	
8259.00	70.99	357.59	8028.80	506.14	-34.03	10.50	507.29	435594.54	573930.57	
8290.00	73.55	358.79	8038.24	535.65	-34.96	9.04	536.79	435624.05	573929.64	
8322.00	75.43	358.61	8046.80	566.48	-35.66	5.90	567.60	435654.88	573928.94	
8353.00	77.51	358.57	8054.05	596.61	-36.41	6.71	597.71	435685.01	573928.19	
8385.00	79.67	358.72	8060.38	627.96	-37.15	6.77	629.05	435716.36	573927.45	
8416.00	81.72	357.74	8065.39	658.54	-38.09	7.31	659.62	435746.94	573926.51	
8448.00	83.91	357.10	8069.40	690.25	-39.52	7.13	691.36	435778.65	573925.08	
8479.00	84.53	356.70	8072.52	721.05	-41.19	2.38	722.20	435809.45	573923.41	
8511.00	84.19	356.69	8075.66	752.84	-43.03	1.06	754.04	435841.24	573921.57	
8542.00	86.01	357.07	8078.31	783.68	-44.71	6.00	784.93	435872.08	573919.89	
8574.00	88.32	356.61	8079.89	815.59	-46.47	7.36	816.88	435903.99	573918.13	
8605.00	90.14	356.54	8080.31	846.53	-48.32	5.88	847.88	435934.93	573916.28	
8637.00	90.91	356.26	8080.02	878.47	-50.33	2.56	879.88	435966.87	573914.27	
8669.00	90.28	356.00	8079.69	910.39	-52.49	2.13	911.87	435998.79	573912.11	
8700.00	90.49	355.90	8079.48	941.32	-54.68	0.75	942.87	436029.72	573909.92	
8763.00	91.19	355.89	8078.55	1004.15	-59.19	1.11	1005.87	436092.55	573905.41	
8858.00	90.84	355.66	8076.87	1098.87	-66.19	0.44	1100.85	436187.27	573898.41	
8952.00	92.03	355.40	8074.52	1192.56	-73.51	1.30	1194.81	436280.96	573891.09	
9047.00	91.05	355.85	8071.96	1287.24	-80.75	1.14	1289.77	436375.64	573883.85	
9142.00	90.77	356.93	8070.45	1382.04	-86.73	1.17	1384.75	436470.44	573877.87	
9236.00	89.51	357.34	8070.23	1475.92	-91.43	1.41	1478.74	436564.32	573873.17	
9331.00	91.05	357.67	8069.76	1570.83	-95.57	1.66	1573.71	436659.23	573869.03	
9425.00	90.21	357.95	8068.73	1664.75	-99.16	0.94	1667.67	436753.15	573865.44	
9520.00	91.40	358.04	8067.39	1759.68	-102.48	1.26	1762.61	436848.08	573862.12	
9614.00	90.70	357.50	8065.67	1853.60	-106.14	0.94	1856.56	436942.00	573858.46	
9709.00	90.28	357.36	8064.86	1948.50	-110.40	0.47	1951.54	437036.90	573854.20	
9804.00	89.58	356.03	8064.97	2043.34	-115.88	1.58	2046.53	437131.74	573848.72	
9898.00	90.70	356.17	8064.74	2137.12	-122.27	1.20	2140.53	437225.52	573842.33	
9992.00	90.00	355.79	8064.17	2230.88	-128.86	0.85	2234.53	437319.28	573835.74	
10087.00	89.23	355.46	8064.81	2325.60	-136.11	0.88	2329.52	437414.00	573828.49	
10182.00	90.42	355.03	8065.10	2420.27	-143.98	1.33	2424.50	437508.67	573820.62	
10276.00	88.74	355.33	8065.79	2513.94	-151.88	1.82	2518.48	437602.34	573812.72	
10371.00	89.79	355.39	8067.01	2608.62	-159.56	1.11	2613.46	437697.02	573805.04	
10465.00	91.05	355.27	8066.32	2702.30	-167.22	1.35	2707.44	437790.70	573797.38	
10560.00	89.58	355.97	8065.79	2797.02	-174.47	1.71	2802.43	437885.42	573790.13	
10655.00	90.28	356.39	8065.91	2891.80	-180.80	0.86	2897.43	437980.20	573783.80	
10749.00	90.07	356.82	8065.62	2985.64	-186.37	0.51	2991.43	438074.04	573778.23	
10844.00	91.26	356.78	8064.52	3080.48	-191.67	1.25	3086.42	438168.88	573772.93	
10939.00	91.40	357.35	8062.32	3175.33	-196.53	0.62	3181.38	438263.73	573768.07	
11033.00	89.44	356.76	8061.63	3269.20	-201.36	2.18	3275.36	438357.60	573763.24	
11128.00	88.53	356.17	8063.31	3364.00	-207.22	1.14	3370.35	438452.40	573757.38	
11222.00	89.58	356.05	8064.86	3457.77	-213.59	1.12	3464.33	438546.17	573751.01	
11317.00	89.09	355.23	8065.96	3552.49	-220.82	1.01	3559.32	438640.89	573743.78	
11411.00	90.42	355.41	8066.36	3646.17	-228.48	1.43	3653.30	438734.57	573736.12	
11505.00	89.37	355.06	8066.54	3739.85	-236.29	1.18	3747.29	438828.25	573728.31	



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 1/3/2014	Time: 13:57:12	Page: 4
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Stent 21 Fed #2H. Grid North	
Site: Stent 21 Fed #2H	Vertical (TVD) Reference:	SITE: 3030.0	
Well: Stent 21 Fed #2H	Section (VS) Reference:	Well (0.00N 0.00E 356.22Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	
		Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
11600.00	90.70	355.51	8066.48	3834.52	-244.10	1.48	3842.27	438922.92	573720.50	
11694.00	89.79	355.24	8066.08	3928.22	-251.68	1.01	3936.26	439016.62	573712.92	
11789.00	89.65	355.73	8066.54	4022.92	-259.16	0.54	4031.25	439111.32	573705.44	
11883.00	90.35	355.24	8066.54	4116.63	-266.56	0.91	4125.24	439205.03	573698.04	
11977.00	90.00	355.78	8066.25	4210.34	-273.92	0.68	4219.24	439298.74	573690.68	
12072.00	91.26	355.44	8065.21	4305.05	-281.19	1.37	4314.22	439393.45	573683.41	
12166.00	90.49	355.34	8063.77	4398.74	-288.74	0.83	4408.20	439487.14	573675.86	
12260.00	90.91	355.47	8062.63	4492.43	-296.27	0.47	4502.18	439580.83	573668.33	
12355.00	90.70	356.94	8061.29	4587.21	-302.56	1.56	4597.17	439675.61	573662.04	
12450.00	90.42	357.31	8060.36	4682.08	-307.33	0.49	4692.16	439770.48	573657.27	
12544.00	88.74	358.30	8061.05	4776.00	-310.93	2.07	4786.11	439864.40	573653.67	
12639.00	89.58	358.37	8062.44	4870.95	-313.69	0.89	4881.04	439959.35	573650.91	
12672.00	89.93	358.15	8062.59	4903.94	-314.69	1.25	4914.02	439992.34	573649.91	Last WFT Svy
12732.00	89.93	358.15	8062.66	4963.91	-316.62	0.00	4973.98	440052.31	573647.98	Proj to Bit

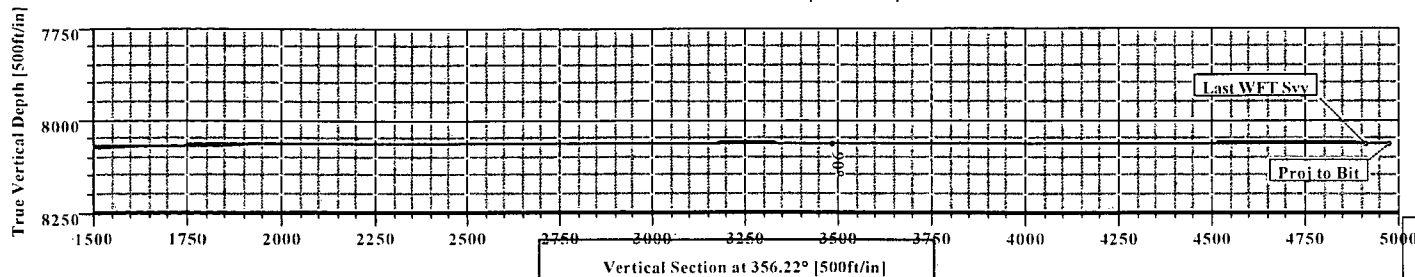
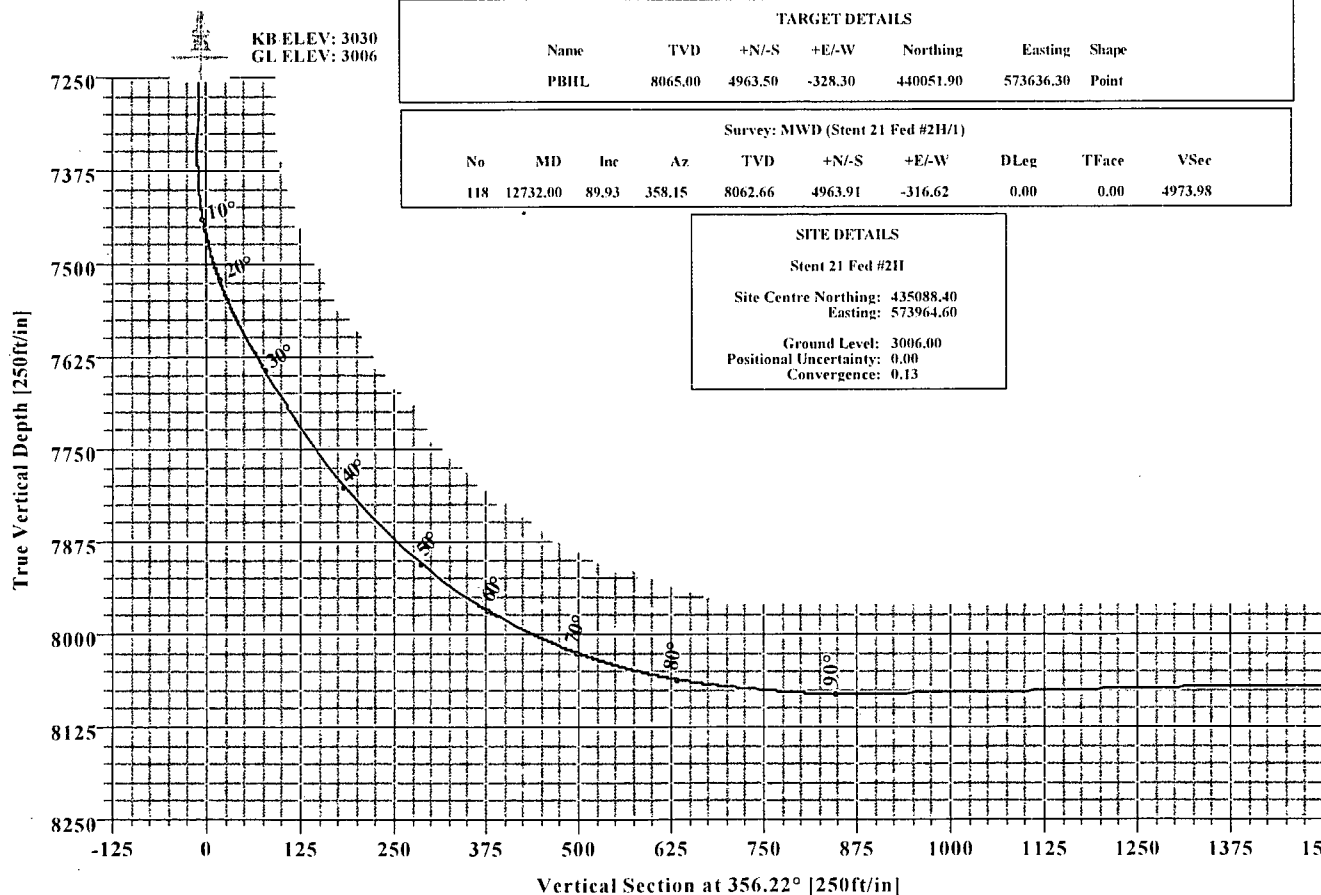
Annotation

MD ft	TVD ft	
2388.00	2384.15	Tie On Gyro
2560.00	2555.65	First WFT Svy
12672.00	8062.59	Last WFT Svy
12732.00	8062.66	Proj to Bit



Occidental Permian Ltd.

Stent 21 Fed #2H
Eddy Co, New Mexico



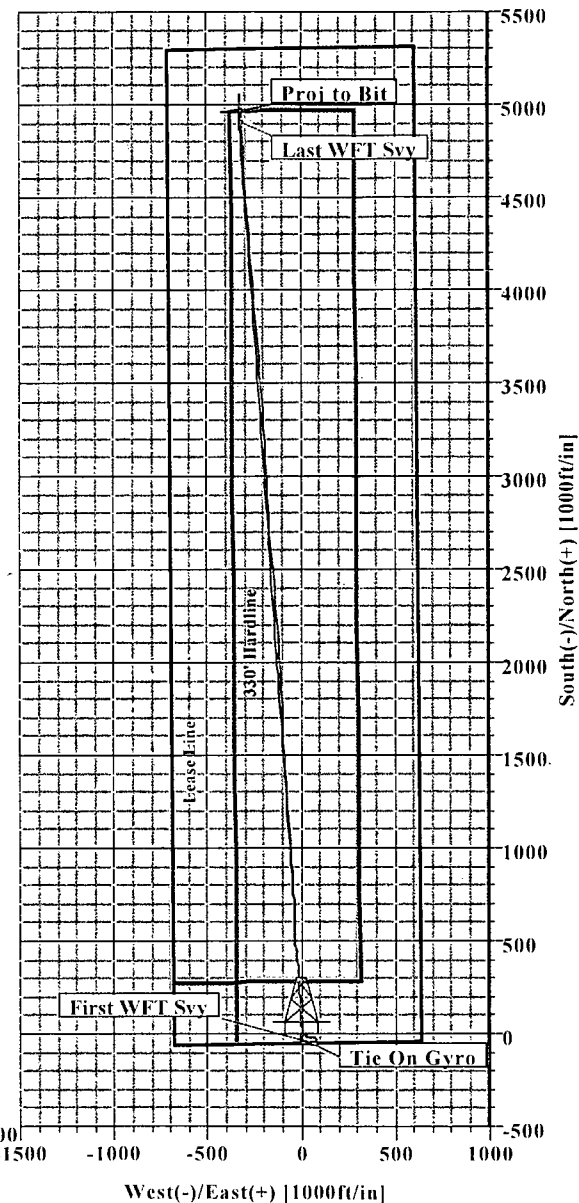
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8571.00	86.70	356.67	8080.43	812.55	-46.49	0.00	0.00	813.85	
2	8715.54	91.00	356.11	8083.33	956.74	-55.59	3.00	352.57	958.32	
3	9749.00	91.00	356.11	8065.29	1987.66	-125.69	0.00	0.00	1991.62	
4	9782.33	90.00	356.10	8065.00	2020.92	-127.95	3.00	-179.71	2024.95	
5	12731.73	90.00	356.10	8065.00	4963.50	-328.30	0.00	0.00	4974.35	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Stent 21 Fed #2H	0.00	0.00	435088.40	573964.60	32°11'45.416N	104°05'39.207W	N/A

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
PBHL	8065.00	4963.50	-328.30	440051.90	573636.30	Point	

Survey: MWD (Stent 21 Fed #2H/1)									
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
118	12732.00	89.93	358.15	8062.66	4963.91	-316.62	0.00	0.00	4973.98

SITE DETAILS	
Stent 21 Fed #2H	
Site Centre Northing: 435088.40	
Easting: 573964.60	
Ground Level: 3006.00	
Positional Uncertainty: 0.00	
Convergence: 0.13	



Weatherford

Survey: MWD (Stent 21 Fed #2H/1)
Created By: Michael Dill
Date: 1/3/2014

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-5161 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 Grande Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3450 Fax: (505) 476-3452

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

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

☒ AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-41221	Pool Code 42780	Pool Name Malaga Bone Springs
Property Code 39774	Property Name STENT "21" FEDERAL COM	Well Number 2H
OGRID No. 157784	Operator Name OCCIDENTAL PERMIAN LTD.	Elevation 3006.0'

Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
N	21	24 SOUTH	28 EAST, N.M.P.M.		50'	SOUTH	2000'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	21	24 SOUTH	28 EAST, N.M.P.M.		839' 266'	NORTH	1700' 1683'	WEST	EDDY
Dedicated Acres 160	Joint or Infill N	Consolidation Code	Order No. Top Part - 694 FSL 1963 FWL (N) Bottom Part - 406 FWL 1683 FWL (C)						

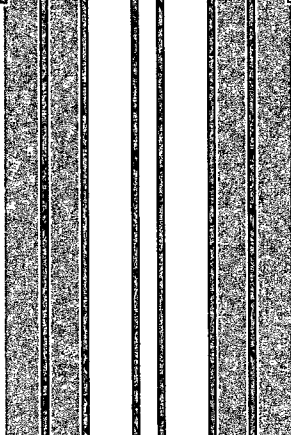
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	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. <i>[Signature]</i> 12/17/12 Signature Date David Stewart Res. Adv. Printed Name david_stewart@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from the original survey made by me or under my supervision, and that the same is true and correct to the best of my belief. NOVEMBER 2 2012 Date of Survey <i>[Signature]</i> Signature and Seal Professional Surveyor ERRY JAS 15079 PROFESSIONAL LAND SURVEYOR <i>[Signature]</i> 11/2/2012 Certificate Number 15079 WO# 121107WL-a (KA)
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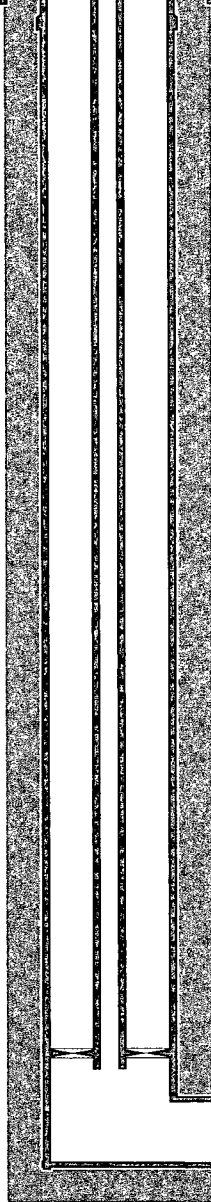
Occidental Permian LP
Stent 21 Federal Com. #2H
API No. 30-015-41221



14-3/4" hole @ 715'
11-3/4" csg @ 715'
w/ 679sx-TOC-Surf-Circ



10-5/8" hole @ 2480'
8-5/8" csg @ 2480'
w/ 710sx-TOC-Surf-Circ



7-7/8" hole @ 12714'
5-1/2" csg @ 12714'
DVT @ 2560'
w/ 1360sx-TOC-Surf-Circ

2-7/8" & pkr @ 7300'



Perfs @ 8400-12580'

TD - 12732'M 8063'V