

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff-Resvr.,
Other

2. Name of Operator

OXY USA WTP Limited Partnership

3. Address

P.O. Box 50250 Midland, TX 79710

3a. Phone No. (include area code)

432-685-5717

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 140 FSL 1840 FEL SWSE(0) Sec 12 T22S R24E

At top prod. interval reported below

At total depth 771 FNL 2001 FEL NWNE(B)

AUG 14 2007
OCD-ARTESIA

14. Date Spudded

9/22/06

15. Date T.D. Reached

11/3/06

16. Date Completed

☐ D & A

☒ Ready to Prod.

2/16/07-6/21/07

18. Total Depth: MD

8710'

TVD

8600'

19. Plug Back T.D.: MD

8531'

TVD

8423'

20. Depth Bridge Plug Set: MD

MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

HDIL/CNL/GR

22. Was well cored? ☒ No ☐ Yes (Submit analysis)

Was DST run ☒ No ☐ Yes (Submit report)

Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14-3/4"	9-5/8"	36#	0	1580'	539'	735	235	Surf-Circ	N/A
8-3/4"	7"	26#	0	8016'	5401'	1140	452	Surf-Circ	N/A
6-1/4"	5-1/2"	17#	*7349'	8576'	---	*215	64	7360'	N/A

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	7902'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Penn	8000'	8230'	8000-8230' MD	.42	420	Open
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7900'	300sx C1 H cmt + 300sx thixotropic cmt
7360-7600'	50sx C1 H cmt
8000-8230'	19000g 15% Ferchek SC Acid

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
2/22/07	7/1/07	24	→	63	284	3121			ACCEPTED FOR RECORD
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
	219	146	→	63	284	3121		pumping	

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Glorieta	2018'
				Bone Spring	3900'
				Wolfcamp	7390'
				Penn	7898'

32. Additional remarks (include plugging procedure):

KO @ 3346', directionally drill to 8004'M. POOH drill to 8710'M 8600'V. Run 7" csg. got stuck @ 8016'. cement in place. Drill & Ream out to 8600'V, RIH w/ 5-1/2" liner @ 7551-8576' and cement.

*Cut 5-1/2" liner @ 7635', RIH & slip over liner @ 7635' and set to 7349', perf @ 7900' and cement.

33. Circle enclosed attachments:

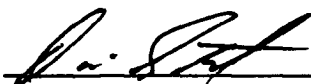
1. Electrical/Mechanical Logs (1 full set req'd) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) David Stewart

Title Sr. Regulatory Analyst

Signature



Date 8/8/07

Survey Report

Report Date: October 23, 2006
 Client: OXY
 Field: Eddy County, NM
 Structure / Slot: US Federal 13 #4 / US Federal 13 #4
 Well: US Federal 13 #4
 Borehole: US Federal 13 #4
 UWI/API#:

Survey / DLS Computation Method: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 189.353°
 Vertical Section Origin: N 0.000 ft, E 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 0.0 ft relative to
 Sea Bed / Ground Level Elevation: 0.000 ft relative to
 Magnetic Declination: 8.540°
 Total Field Strength: 49130.711 nT
 Magnetic Dip: 60.309°
 Declination Date: October 09, 2006
 Magnetic Declination Model: IGRF 2005
 North Reference: Gnd North
 Total Corr Mag North -> Grid North: +8.602°
 Local Coordinates Referenced To: Well Head

Survey Name / Date: US Federal 13 #4_surveys / October 9, 2006
 Tort / AHD / DDI / ERD ratio: 63.784° / 983.15 ft / 4.803 / 0.124
 Grd Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet
 Location Lat/Long: N 32 23 54.733, W 104 26 55.895
 Location Grid N/E Y/X: N 508721.600 ftUS, E 464343.200 ftUS
 Grid Convergence Angle: -0.06189968°
 Grid Scale Factor: 0.99991055

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)
ie-In	3332.00	1.33	263.07	3331.55	-3.67	11.43	-46.80	48.17	283.72	0.16
	3381.00	2.20	220.80	3380.53	-2.71	10.65	-47.98	49.15	282.51	3.08
	3412.00	2.90	207.60	3411.50	-1.46	9.50	-48.73	49.65	281.03	2.93
	3444.00	3.60	196.80	3443.45	0.31	7.82	-49.40	50.01	279.00	2.90
	3473.00	4.60	189.30	3472.37	2.37	5.80	-49.85	50.18	276.64	3.91
	3504.00	5.30	187.50	3503.26	5.05	3.16	-50.23	50.33	273.60	2.31
	3536.00	6.30	186.70	3535.09	8.28	-0.05	-50.63	50.63	269.94	3.14
	3568.00	7.20	186.60	3566.87	12.04	-3.79	-51.07	51.21	265.76	2.81
	3599.00	8.00	186.20	3597.60	16.13	-7.86	-51.52	52.12	261.32	2.59
	3631.00	8.60	186.00	3629.26	20.74	-12.46	-52.01	53.48	256.53	1.88
	3663.00	9.30	184.50	3660.87	25.71	-17.41	-52.47	55.28	251.64	2.31
	3695.00	9.80	183.80	3692.43	30.99	-22.71	-52.85	57.52	246.75	1.60
	3726.00	10.40	183.50	3722.95	36.40	-28.13	-53.20	60.18	242.13	1.94
	3758.00	10.80	182.90	3754.40	42.26	-34.01	-53.52	63.42	237.57	1.30
	3790.00	11.30	182.60	3785.81	48.35	-40.14	-53.82	67.14	233.29	1.57
	3821.00	12.00	183.20	3816.17	54.57	-46.39	-54.14	71.29	229.41	2.29
	3885.00	12.80	186.20	3878.68	68.26	-60.08	-55.27	81.64	222.61	1.60
	3948.00	13.40	187.50	3940.04	82.53	-74.25	-56.98	93.60	217.50	1.06
	4012.00	13.30	184.70	4002.31	97.28	-88.94	-58.55	106.49	213.36	1.02
	4075.00	13.40	183.10	4063.61	111.76	-103.46	-59.54	119.37	209.92	0.61
	4138.00	13.30	184.30	4124.91	126.23	-117.97	-60.48	132.57	207.14	0.47
	4202.00	13.60	189.40	4187.15	141.09	-132.74	-62.26	146.61	205.13	1.91
	4265.00	13.80	190.90	4248.36	156.01	-147.42	-64.89	161.07	203.76	0.65
	4328.00	13.60	189.10	4309.57	170.93	-162.11	-67.48	175.60	202.60	0.75
	4391.00	13.50	186.40	4370.82	185.68	-176.74	-69.47	189.90	201.46	1.02
	4455.00	13.80	184.10	4433.01	200.74	-191.77	-70.85	204.44	200.28	0.97
	4518.00	13.40	184.50	4494.24	215.49	-206.55	-71.96	218.72	199.21	0.65
	4582.00	13.60	184.60	4556.47	230.38	-221.44	-73.15	233.21	198.28	0.31
	4645.00	14.00	183.40	4617.66	245.34	-236.43	-74.19	247.80	197.42	0.78
	4708.00	13.80	182.30	4678.81	260.38	-251.54	-74.95	262.47	196.59	0.53
	4772.00	13.40	185.20	4741.02	275.35	-266.56	-75.92	277.16	195.90	1.24
	4835.00	13.10	189.80	4802.34	289.77	-280.86	-77.80	291.44	195.48	1.74
	4899.00	12.90	192.10	4864.70	304.16	-295.00	-80.53	305.79	195.27	0.87
	4962.00	13.20	190.70	4926.07	318.38	-308.94	-83.34	319.98	195.10	0.69
	5025.00	13.10	186.60	4987.42	332.70	-323.10	-85.50	334.22	194.82	1.49
	5089.00	11.90	182.00	5049.91	346.49	-336.90	-86.56	347.84	194.41	2.43
	5152.00	11.00	182.30	5111.65	358.90	-349.40	-87.03	360.07	193.99	1.43
	5216.00	11.10	186.70	5174.47	371.11	-361.62	-87.99	372.17	193.68	1.33

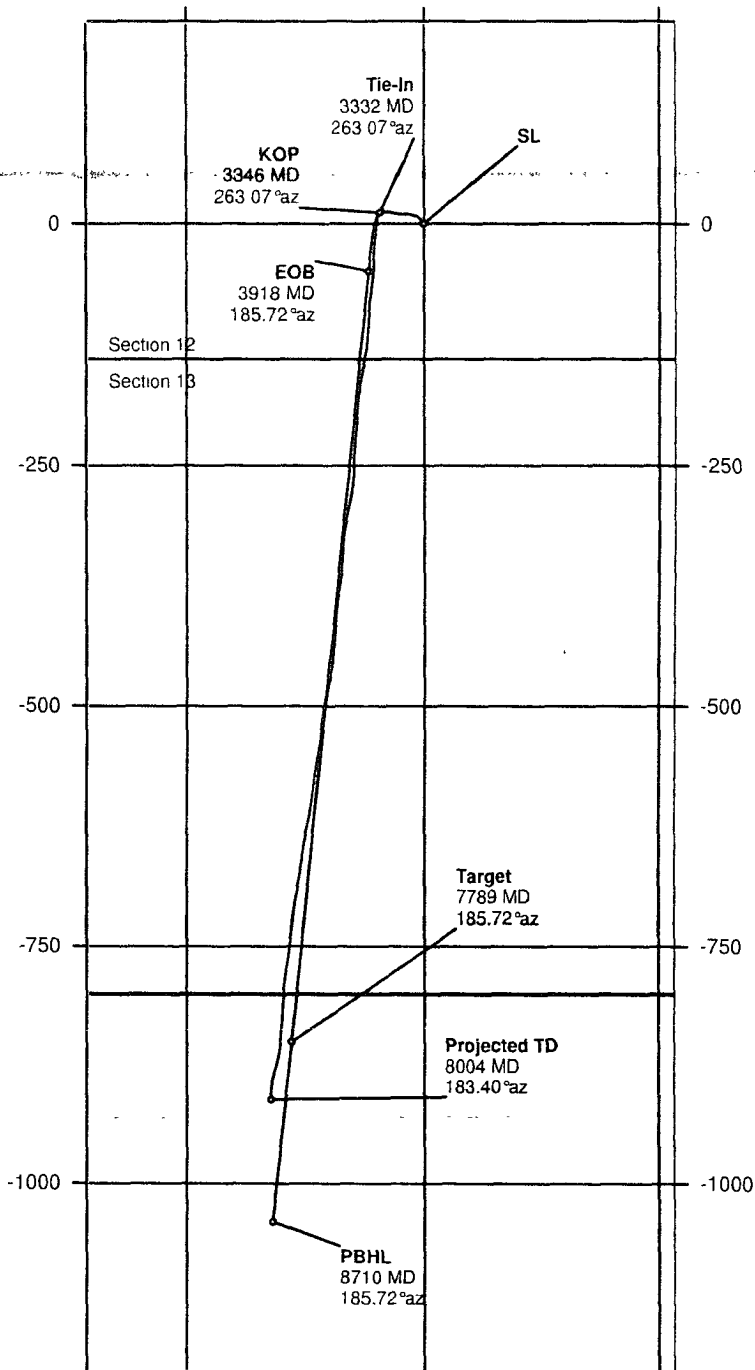
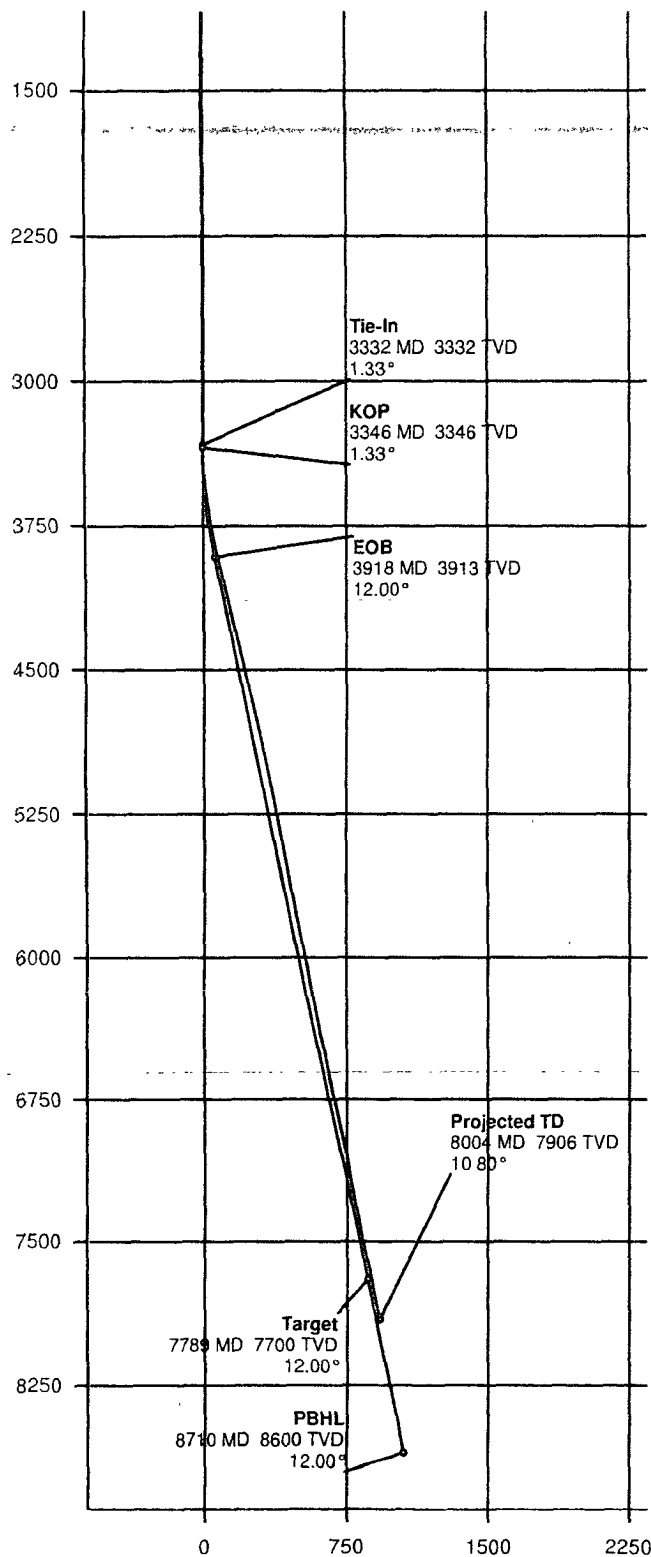
Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)
	5279.00	11.80	188.00	5236.21	383.61	-374.02	-89.60	384.60	193.47	1.18
	5342.00	11.60	187.50	5297.90	396.38	-386.68	-91.32	397.32	193.29	0.36
	5406.00	10.80	186.20	5360.68	408.80	-399.02	-92.81	409.67	193.09	1.31
	5469.00	10.70	183.80	5422.58	420.51	-410.72	-93.83	421.30	192.87	0.73
	5533.00	11.40	185.20	5485.39	432.73	-422.95	-94.80	433.44	192.63	1.17
	5596.00	12.00	184.60	5547.08	445.47	-435.68	-95.89	446.11	192.41	0.97
	5659.00	11.80	186.70	5608.73	458.43	-448.60	-97.17	459.01	192.22	0.76
	5723.00	10.90	188.40	5671.48	471.02	-461.09	-98.82	471.56	192.10	1.50
	5786.00	10.50	190.10	5733.38	482.72	-472.63	-100.69	483.24	192.03	0.81
	5850.00	11.10	191.70	5796.25	494.70	-484.41	-102.96	495.23	192.00	1.05
	5913.00	12.30	190.20	5857.94	507.47	-496.95	-105.38	508.00	191.97	1.96
	5977.00	12.80	187.20	5920.41	521.37	-510.69	-107.48	521.88	191.88	1.28
	6040.00	12.30	186.70	5981.90	535.05	-524.28	-109.14	535.52	191.76	0.81
	6103.00	10.90	186.90	6043.62	547.70	-536.86	-110.63	548.14	191.64	2.22
	6167.00	10.20	189.20	6106.53	559.42	-548.46	-112.27	559.84	191.57	1.28
	6230.00	10.60	189.30	6168.50	570.79	-559.69	-114.10	571.20	191.52	0.64
	6294.00	11.70	187.70	6231.29	583.16	-571.93	-115.92	583.56	191.46	1.79
	6357.00	11.60	186.80	6292.99	595.88	-584.55	-117.52	596.24	191.37	0.33
	6420.00	11.40	186.90	6354.73	608.42	-597.02	-119.02	608.77	191.27	0.32
	6484.00	11.60	188.60	6417.44	621.18	-609.66	-120.74	621.50	191.20	0.61
	6547.00	11.90	192.10	6479.12	634.00	-622.27	-123.05	634.32	191.19	1.23
	6611.00	11.30	191.90	6541.82	646.85	-634.86	-125.73	647.19	191.20	0.94
	6674.00	10.80	188.90	6603.65	658.92	-646.73	-127.91	659.26	191.19	1.21
	6737.00	11.10	187.60	6665.50	670.89	-658.58	-129.63	671.21	191.14	0.62
	6801.00	11.50	188.30	6728.26	683.42	-670.99	-131.36	683.73	191.08	0.66
	6864.00	11.70	190.20	6789.97	696.09	-683.50	-133.40	696.39	191.04	0.68
	6927.00	12.10	190.30	6851.62	709.08	-696.28	-135.71	709.38	191.03	0.64
	6994.00	11.70	186.90	6917.18	722.89	-709.93	-137.79	723.18	190.98	1.20
	7057.00	12.10	186.40	6978.83	735.86	-722.84	-139.29	736.13	190.91	0.66
	7120.00	11.50	186.20	7040.49	748.73	-735.64	-140.70	748.98	190.83	0.95
	7184.00	9.70	185.50	7103.40	760.48	-747.35	-141.91	760.71	190.75	2.82
	7247.00	9.80	188.00	7165.49	771.13	-757.94	-143.16	771.35	190.70	0.69
	7311.00	10.50	188.90	7228.49	782.41	-769.10	-144.82	782.62	190.66	1.12
	7374.00	11.00	188.00	7290.38	794.16	-780.72	-146.55	794.36	190.63	0.84
	7437.00	11.20	184.30	7352.20	806.26	-792.78	-147.84	806.44	190.56	1.17
	7501.00	11.70	183.40	7414.93	818.91	-805.45	-148.70	819.06	190.46	0.83
	7564.00	12.20	182.90	7476.57	831.88	-818.48	-149.41	832.00	190.35	0.81
	7628.00	12.90	184.10	7539.04	845.71	-832.36	-150.26	845.81	190.23	1.17
	7691.00	13.80	184.20	7600.33	860.20	-846.86	-151.32	860.28	190.13	1.43
	7723.00	13.60	185.90	7631.42	867.75	-854.41	-151.98	867.83	190.09	1.40
	7754.00	13.10	189.80	7661.59	874.91	-861.50	-152.96	874.97	190.07	3.32
	7786.00	12.10	192.50	7692.81	881.88	-868.35	-154.30	881.95	190.08	3.63
	7818.00	12.10	194.30	7724.10	888.57	-874.87	-155.85	888.65	190.10	1.18
	7849.00	12.00	193.40	7754.42	895.02	-881.16	-157.40	895.10	190.13	0.69
	7881.00	11.80	191.00	7785.73	901.61	-887.60	-158.80	901.70	190.14	1.67
	7913.00	11.30	186.30	7817.09	908.01	-893.93	-159.77	908.10	190.13	3.33
	7945.00	10.80	183.40	7848.49	914.13	-900.04	-160.29	914.20	190.10	2.34
Projected TD	8004.00	10.80	183.40	7906.45	925.12	-911.08	-160.94	925.18	190.02	0.00

OXY

Well	US Federal 13 #4	Field	Eddy County, NM	Structure	US Federal 13 #4
Magnetic Parameters Magnet	IGRF 2005	Dir	60.309°	Date	06/08/08 2008
Surface Location	LA	N22°03'54" E 733'	Northing	NAD83 New Mexico State Planes, Eastern Zone US Feet	538'21" 86' NUS
Longitude	106°03'07" W	Easting	5643'3" 86' E	Grid Cont.	2' to 165000'
Horizontal	US Federal 13 #4	Dir	185.72°	TVD Ref	RKB (0.0' above)
Horizontal	US Federal 13 #4	Dir	185.72°	Dir	06/08/08 2008

<<< W Scale = 1(in):200(ft) E >>>

-250 0 250





Scientific
Drilling

Scientific Drilling International Survey Report

Company: OCCIDENTAL PERMIAN LTD.

Field: McKittrick Hills

Site: Eddy County, NM

Well: US Federal 13 #4

Wellpath: VH - Job #32K1006811

Date: 11/06/2006

Time: 20:42:07

Page: 1

Co-ordinate(NE) Reference:

Site: Eddy County, NM, Grid North

Vertical (TVD) Reference:

SITE 0.0

Section (VS) Reference:

Well (0.00N,0.00E,189.35Azi)

Survey Calculation Method:

Minimum Curvature

Db: Sybase

Survey: 10/08/06

Start Date:

10/08/2006

KSRG 0'-3332'

Company: Scientific Drilling Internatio

Engineer:

Madrid/Rando

Tool: Keeper;Keeper Surface Readout

Tied-to:

From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.15	177.51	100.00	0.13	-0.13	0.01	0.15	0.13	177.51
200.00	0.36	258.88	200.00	0.37	-0.32	-0.30	0.37	0.44	222.66
300.00	0.44	279.21	300.00	0.48	-0.32	-0.98	0.16	1.04	251.92
400.00	0.54	296.12	399.99	0.34	-0.05	-1.79	0.17	1.79	268.32
500.00	0.64	325.40	499.99	-0.20	0.61	-2.53	0.31	2.60	283.68
600.00	0.77	349.15	599.98	-1.23	1.73	-2.97	0.32	3.44	300.28
700.00	0.81	354.32	699.97	-2.54	3.10	-3.17	0.08	4.43	314.37
800.00	0.72	335.42	799.96	-3.75	4.37	-3.50	0.27	5.60	321.34
900.00	0.73	317.69	899.95	-4.66	5.41	-4.19	0.22	6.85	322.28
1000.00	0.73	304.72	999.95	-5.33	6.25	-5.14	0.16	8.09	320.56
1100.00	1.14	290.66	1099.93	-5.80	6.96	-6.59	0.47	9.59	316.55
1200.00	1.41	287.19	1199.91	-6.16	7.68	-8.70	0.28	11.60	311.42
1300.00	1.46	287.30	1299.88	-6.51	8.42	-11.09	0.05	13.93	307.20
1400.00	1.20	282.21	1399.85	-6.73	9.02	-13.33	0.29	16.10	304.08
1500.00	1.10	278.32	1499.83	-6.77	9.38	-15.31	0.13	17.95	301.50
1600.00	0.96	273.39	1599.81	-6.66	9.57	-17.09	0.17	19.59	299.24
1700.00	0.98	269.30	1699.80	-6.43	9.61	-18.78	0.07	21.10	297.09
1800.00	1.02	269.21	1799.78	-6.12	9.59	-20.53	0.04	22.66	295.03
1900.00	0.91	269.91	1899.77	-5.84	9.57	-22.21	0.11	24.19	293.31
2000.00	0.82	269.36	1999.76	-5.58	9.56	-23.72	0.09	25.58	291.95
2100.00	0.80	274.09	2099.75	-5.39	9.60	-25.13	0.07	26.91	290.91
2200.00	0.89	276.71	2199.74	-5.29	9.74	-26.60	0.10	28.33	290.12
2300.00	0.82	277.82	2299.73	-5.24	9.93	-28.08	0.07	29.79	289.48
2400.00	0.94	282.29	2399.71	-5.26	10.20	-29.59	0.14	31.30	289.03
2500.00	1.03	279.05	2499.70	-5.30	10.52	-31.28	0.11	33.00	288.59
2600.00	1.06	278.58	2599.68	-5.28	10.80	-33.08	0.03	34.80	288.08
2700.00	1.01	281.10	2699.67	-5.30	11.11	-34.86	0.07	36.59	287.67
2800.00	1.10	274.63	2799.65	-5.24	11.36	-36.68	0.15	38.40	287.20
2900.00	1.12	273.54	2899.63	-5.07	11.49	-38.62	0.03	40.29	286.57
3000.00	0.96	269.49	2999.61	-4.82	11.55	-40.43	0.18	42.05	285.94
3100.00	0.94	270.56	3099.60	-4.56	11.55	-42.09	0.03	43.64	285.34
3200.00	1.18	272.39	3199.58	-4.30	11.60	-43.94	0.24	45.44	284.79
3300.00	1.28	263.49	3299.56	-3.87	11.51	-46.08	0.22	47.49	284.03
3332.00	1.33	263.07	3331.55	-3.67	11.43	-46.80	0.16	48.17	283.72

OPERATOR
WELL/LEASE
COUNTY

Occidental Pemian, LTD
U.S. 13 Fed. #4
Eddy, N.M.

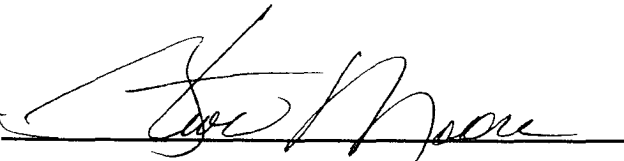
508-0094

STATE OF NEW MEXICO
DEVIATION REPORT

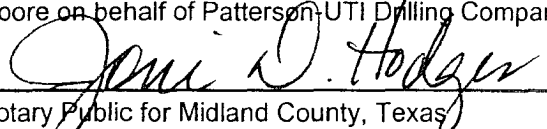
207	0.25
702	1.00
1,689	1.00
2,136	0.75
2,579	0.75
3,023	1.00

STATE OF TEXAS

COUNTY OF MIDLAND

BY: 

The foregoing instrument was acknowledged before me on
November 7, 2006, by Steve
Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.


Notary Public for Midland County, Texas
My Commission Expires: 4/08/07

