

"As Drilled Plat"

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

FEB 05 2008

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Bureau of Land Management

WELL LOCATION AND ACREAGE DEDICATION PLAT

RCVD JUN 24 '09
☐ AMENDED REPORT
OIL CONS. DIV.

¹ API Number 30-039-30475	² Pool Code 72319,	³ Pool Name Blanco - MESA VERDE	DIST. 3
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT		⁶ Well Number 59 N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES O&G CO LP		⁹ Elevation 7163'

¹⁰ Surface Location

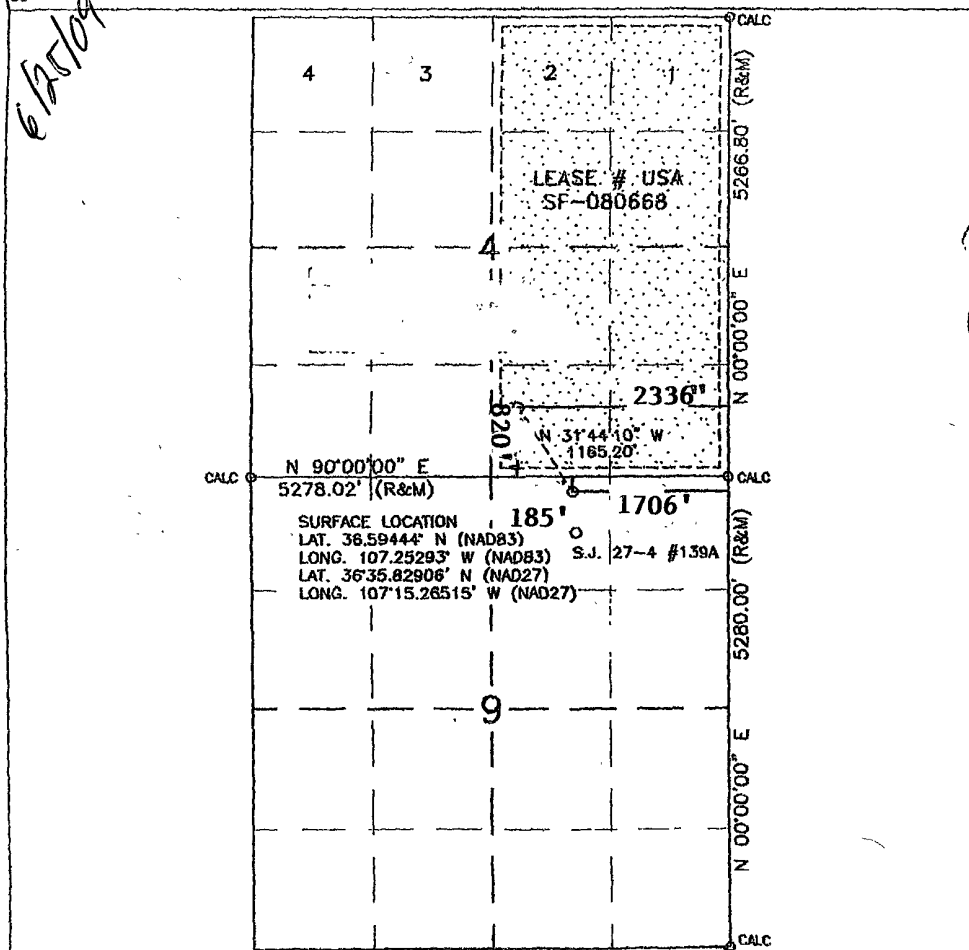
UL or lot no. B	Section 9	Township 27N	Range 4W	Lot Idn	Feet from the 185'	North/South line NORTH	Feet from the 1706'	East/West line EAST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. O	Section 4	Township 27N	Range 4W	Lot Idn	Feet from the 820'	North/South line SOUTH	Feet from the 2336'	East/West line EAST	County RIO ARRIBA
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¹² Dedicated Acres 319.20 Acres - (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD JUN 19 '09 OIL CONS. DIV.
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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 DIST. 3



¹⁷ 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 or a compulsory pooling order heretofore entered by the division.

Jamie Goodwin 06/15/2009
Signature Date

Jamie Goodwin
Printed Name

¹⁸ SURVEYOR CERTIFICATION

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

APRIL 3, 2008
Date of Survey

David R. Russell
Signature and Seal of Professional Surveyor:

DAVID R. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201

DAVID RUSSELL
Certificate Number 10201



Hathaway Burnham Navigational LLC

DIRECTIONAL AND MWD SERVICES

RCVD JUN 24 '09

OIL CONS. DIV.

DIST. 3

August 24, 2008

Ms. Geneva Blackwater
P.O. Box 4289
Farmington, NM 87499

RE: Final Notarized Survey's Well San Juan 27-4 #59N

Dear Ms. Blackwater,

Please find the enclosed final surveys for well San Juan 27-4 #59N. I herby Certify to the best of my knowledge these surveys are true and correct.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Taryn Lambert'. The signature is fluid and written in dark ink.

Taryn Lambert
Hathaway Burnham Navigational LLC

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

RCVD JUN 24 '09

OIL CONS. DIV.

State of California

DIST. 3

County of

KERN

On

AUG 28, 2008

Date

before me,

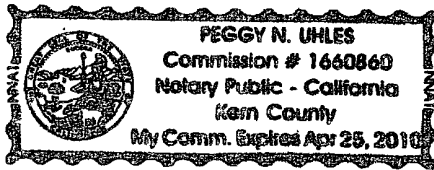
PEGGY N. UHLES, NOTARY PUBLIC

Here Insert Name and Title of the Officer

personally appeared

TARYN LAMBERT

Name(s) of Signer(s)



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Peggy N. Uhles

Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____

Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Individual

☐ Corporate Officer — Title(s): _____

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

Signer's Name: _____

☐ Individual

☐ Corporate Officer — Title(s): _____

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

DIST. 3

Job Number: NM08205
Company: BULINGTON RES
Lease/Well: SJ 27-4 #59N
Location: SEC 9
Rig Name: AWS 184
RKB:
G.L. or M.S.L.:

State/Country: NEW MEXICO
Declination: 10
Grid:
File name: C:\WINSERVE\NM08205.SVY
Date/Time: 25-Aug-08 / 10:29
Curve Name: AS DRILLED

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 327.22
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
435.00	.50	211.40	434.99	-1.62	-.99	-.83	1.90	211.40	.11
537.00	1.00	314.80	536.99	-1.37	-1.85	-.15	2.31	233.46	1.19
630.00	3.10	334.20	629.92	1.46	-3.52	3.14	3.81	292.56	2.35
720.00	4.90	327.20	719.70	6.89	-6.66	9.40	9.58	315.94	2.07
813.00	6.40	327.60	812.25	14.60	-11.59	18.55	18.64	321.55	1.61
907.00	9.10	325.20	905.38	25.13	-18.64	31.22	31.29	323.43	2.89
1000.00	11.50	321.10	996.88	38.39	-28.67	47.79	47.91	323.25	2.70
1093.00	13.50	320.40	1087.67	53.97	-41.41	67.79	68.02	322.50	2.16
1188.00	15.60	319.10	1179.62	72.17	-56.84	91.45	91.86	321.78	2.24
1282.00	18.90	320.00	1269.38	93.39	-74.91	119.07	119.72	321.27	3.52

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1376.00	21.80	318.80	1357.50	118.19	-96.19	151.45	152.39	320.86	3.12
1470.00	24.60	320.30	1443.89	146.38	-120.19	188.15	189.41	320.61	3.04
1564.00	26.10	322.10	1528.84	177.75	-145.40	228.17	229.64	320.72	1.79
1658.00	25.60	324.50	1613.43	210.60	-169.89	269.05	270.59	321.11	1.23
1753.00	26.40	327.20	1698.82	245.07	-193.25	310.67	312.10	321.74	1.50
1847.00	25.40	329.70	1783.38	280.04	-214.74	351.71	352.90	322.52	1.58
1941.00	25.70	330.10	1868.19	315.12	-235.08	392.21	393.14	323.28	.37
2034.00	25.70	329.80	1951.99	350.03	-255.27	432.49	433.22	323.90	.14
2129.00	25.90	329.90	2037.52	385.78	-276.04	473.80	474.37	324.42	.22
2222.00	26.10	330.30	2121.11	421.12	-296.36	514.51	514.95	324.86	.29
2317.00	25.00	332.00	2206.82	457.00	-316.14	555.39	555.69	325.33	1.39
2410.00	22.90	333.50	2291.81	490.55	-333.44	592.96	593.15	325.79	2.35
2505.00	20.70	331.90	2380.01	521.91	-349.60	628.07	628.18	326.18	2.40
2601.00	20.40	331.90	2469.90	551.63	-365.47	661.66	661.71	326.47	.31
2693.00	19.50	332.70	2556.38	579.42	-380.07	692.93	692.95	326.74	1.02
2788.00	20.10	329.00	2645.76	607.50	-395.75	725.03	725.04	326.92	1.46
2882.00	19.70	328.90	2734.15	634.92	-412.25	757.01	757.01	327.00	.43
2976.00	18.80	328.80	2822.89	661.44	-428.28	787.99	787.99	327.08	.96
3070.00	17.70	328.50	2912.17	686.58	-443.59	817.41	817.41	327.13	1.17
3164.00	17.10	331.80	3001.87	710.94	-457.59	845.48	845.48	327.23	1.23
3256.00	17.80	329.60	3089.63	734.99	-471.10	873.01	873.01	327.34	1.05
3349.00	18.90	328.30	3177.90	760.07	-486.21	902.27	902.28	327.39	1.26
3442.00	20.00	329.00	3265.59	786.52	-502.31	933.23	933.24	327.44	1.21
3538.00	19.10	329.20	3356.06	814.08	-518.81	965.34	965.35	327.49	.94
3631.00	19.20	329.50	3443.91	840.33	-534.36	995.82	995.84	327.55	.15
3726.00	18.80	327.70	3533.74	866.73	-550.47	1026.74	1026.76	327.58	.75
3823.00	16.80	330.10	3626.09	892.09	-565.81	1056.37	1056.40	327.61	2.20
3917.00	15.90	329.00	3716.29	914.91	-579.22	1082.81	1082.84	327.66	1.01
4011.00	14.30	331.20	3807.04	936.12	-591.44	1107.26	1107.30	327.72	1.81
4105.00	10.70	331.80	3898.80	953.99	-601.16	1127.55	1127.60	327.78	3.83

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
4198.00	5.60	330.10	3990.83	965.54	-607.51	1140.69	1140.76	327.82	5.49
4292.00	3.90	334.00	4084.50	972.39	-611.19	1148.45	1148.52	327.85	1.84
4399.00	2.60	329.30	4191.33	977.74	-614.03	1154.49	1154.56	327.87	1.24
Straight line projection									
4450.00	2.60	329.30	4242.27	979.73	-615.21	1156.80	1156.88	327.87	.00

Job Number: NM-08206
Company: BURLINGTON RES
Lease/Well: SJ 27-4#59N
Location: SECTION 9
Rig Name: AWS 184
RKB:
G.L. or M.S.L.:

State/Country: NEW MEXICO USA
Declination:
Grid:
File name: C:\WINSERVE\NM08206.SVY
Date/Time: 09-Oct-08 / 15:42
Curve Name: AS DRILLED

AS DRILLED

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 236.10
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		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
4850.00	8.10	32.64	4640.00	1012.69	-589.89	-75.21	1171.97	329.78	.00
4875.00	7.80	31.20	4664.76	1015.62	-588.06	-78.36	1173.59	329.93	1.44
4908.00	8.30	30.60	4697.43	1019.59	-585.69	-82.54	1175.84	330.13	1.54
4940.00	8.30	30.60	4729.10	1023.57	-583.34	-86.71	1178.12	330.32	.00
4972.00	7.30	30.10	4760.80	1027.31	-581.14	-90.62	1180.30	330.50	3.13
5004.00	6.50	29.20	4792.57	1030.65	-579.24	-94.07	1182.27	330.66	2.52
5036.00	6.10	28.70	4824.38	1033.73	-577.54	-97.19	1184.12	330.81	1.26
5068.00	5.00	28.50	4856.23	1036.44	-576.06	-99.94	1185.77	330.93	3.44
5100.00	4.40	26.60	4888.12	1038.77	-574.84	-102.24	1187.21	331.04	1.94
5133.00	3.80	27.20	4921.03	1040.87	-573.77	-104.30	1188.54	331.13	1.82
5165.00	3.40	27.10	4952.97	1042.66	-572.86	-106.06	1189.66	331.21	1.25
5195.00	3.00	28.40	4982.92	1044.14	-572.08	-107.53	1190.59	331.28	1.36
5227.00	2.80	27.00	5014.88	1045.57	-571.33	-108.96	1191.49	331.35	.66
5259.00	2.50	25.50	5046.85	1046.90	-570.67	-110.24	1192.34	331.40	.96
5291.00	2.20	23.60	5078.82	1048.09	-570.12	-111.36	1193.12	331.46	.97
5322.00	1.80	21.50	5109.80	1049.09	-569.71	-112.26	1193.80	331.50	1.31
5353.00	1.80	21.50	5140.79	1050.00	-569.35	-113.06	1194.43	331.53	.00
5384.00	1.50	19.10	5171.78	1050.83	-569.04	-113.79	1195.01	331.56	.99
5415.00	1.20	251.20	5202.77	1051.11	-569.21	-113.80	1195.34	331.56	7.84
5448.00	2.60	242.50	5235.75	1050.65	-570.21	-112.72	1195.41	331.51	4.32
5480.00	2.70	241.80	5267.72	1049.96	-571.51	-111.25	1195.43	331.44	.33
5512.00	2.80	237.90	5299.68	1049.19	-572.84	-109.72	1195.39	331.37	.66
5545.00	2.90	232.80	5332.64	1048.26	-574.19	-108.08	1195.21	331.29	.83
5577.00	3.10	226.40	5364.60	1047.17	-575.46	-106.42	1194.87	331.21	1.22
5609.00	3.60	219.80	5396.54	1045.80	-576.73	-104.60	1194.29	331.12	1.97

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	
5641.00	4.30	213.70	5428.47	1044.03	-578.04	-102.53	1193.37	331.03	2.55
5673.00	4.70	216.00	5460.37	1041.98	-579.47	-100.19	1192.27	330.92	1.37
5705.00	5.00	222.60	5492.25	1039.89	-581.19	-97.60	1191.28	330.80	1.98
5738.00	5.00	223.40	5525.13	1037.79	-583.15	-94.80	1190.40	330.67	.21
5770.00	5.10	222.90	5557.00	1035.73	-585.08	-92.05	1189.56	330.54	.34
5802.00	4.60	224.10	5588.89	1033.77	-586.94	-89.41	1188.77	330.41	1.59
5834.00	4.80	225.10	5620.78	1031.90	-588.78	-86.84	1188.06	330.29	.68
5866.00	4.50	227.50	5652.68	1030.11	-590.65	-84.29	1187.43	330.17	1.12
5898.00	4.50	227.00	5684.58	1028.40	-592.50	-81.81	1186.87	330.05	.12
5931.00	4.50	228.10	5717.48	1026.66	-594.41	-79.25	1186.31	329.93	.26
5963.00	4.70	232.70	5749.37	1025.02	-596.38	-76.70	1185.89	329.81	1.31
5994.00	4.70	238.90	5780.27	1023.60	-598.48	-74.16	1185.72	329.69	1.64
6027.00	4.70	242.40	5813.16	1022.27	-600.84	-71.46	1185.77	329.56	.87
6059.00	4.60	243.10	5845.05	1021.08	-603.14	-68.89	1185.92	329.43	.36
6091.00	4.30	242.90	5876.96	1019.96	-605.36	-66.42	1186.07	329.31	.94
6122.00	4.00	242.10	5907.87	1018.92	-607.35	-64.19	1186.20	329.20	.99
6155.00	4.00	240.20	5940.79	1017.81	-609.36	-61.90	1186.28	329.09	.40
6187.00	3.90	239.20	5972.72	1016.70	-611.27	-59.70	1186.31	328.98	.38
6219.00	4.00	238.60	6004.64	1015.56	-613.15	-57.50	1186.30	328.88	.34
6251.00	3.60	241.00	6036.57	1014.49	-614.98	-55.38	1186.34	328.78	1.34
6283.00	3.00	244.00	6068.52	1013.64	-616.62	-53.55	1186.46	328.69	1.95
6315.00	2.80	246.30	6100.48	1012.96	-618.08	-51.95	1186.64	328.61	.72
6347.00	2.60	248.00	6132.44	1012.37	-619.47	-50.48	1186.86	328.54	.67
6378.00	2.50	249.30	6163.41	1011.87	-620.76	-49.13	1187.10	328.47	.37
6410.00	2.50	246.00	6195.38	1011.34	-622.05	-47.76	1187.33	328.41	.45
6442.00	1.90	238.00	6227.36	1010.77	-623.13	-46.54	1187.42	328.35	2.10
6474.00	2.00	232.00	6259.34	1010.15	-624.02	-45.46	1187.35	328.29	.71
6506.00	1.80	230.10	6291.32	1009.48	-624.85	-44.40	1187.22	328.24	.66
6538.00	1.80	234.90	6323.30	1008.87	-625.65	-43.40	1187.12	328.20	.47
6571.00	1.80	235.70	6356.29	1008.28	-626.50	-42.36	1187.07	328.15	.08
6603.00	1.60	237.40	6388.27	1007.76	-627.29	-41.41	1187.04	328.10	.64
6635.00	1.50	234.20	6420.26	1007.27	-628.01	-40.55	1187.01	328.06	.41
6667.00	1.10	224.30	6452.25	1006.81	-628.56	-39.83	1186.91	328.02	1.43
6699.00	1.00	220.50	6484.25	1006.37	-628.96	-39.26	1186.75	328.00	.38
6731.00	.80	231.10	6516.25	1006.02	-629.31	-38.77	1186.64	327.97	.81
6763.00	.80	219.60	6548.24	1005.71	-629.63	-38.33	1186.54	327.95	.50
Projection to bit									
6803.00	.70	220.00	6588.24	1005.31	-629.96	-37.83	1186.38	327.93	.25