

DISTRICT I
1625 N French Dr Hobbs NM 88240

DISTRICT II
1501 W Grand Ave Artesia NM 88210

DISTRICT III
1000 Pto Brezoz Rd, Aztec, NM 87410

DISTRICT IV
1220 South 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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-32947	Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code 22661	Property Name BERGER	Well Number 65
OCARD No 5380	Operator Name XTO ENERGY INC	Elevation 6323

10 Surface Location

TL or lot no	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	26-N	11-W		1130	NORTH	1890	WEST	SAN JUAN

11 Bottom Hole Location If Different from Surface

TL or lot no	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
E	22	26-N	11-W		1976	NORTH	600	WEST	SAN JUAN
Dedicated Acres			Unit or Infill		Casing Code		As Drilled		

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

16 SEC CORNER FD 2 1/2" BC 1930 USGLO N 00-36-26 E 26126' (M) 1976 1890 651 BHL1 BHL2	17 OIL CORNER FD 2 1/2" BC 1930 USGLO SURFACE: LAT: 36°28'39" N. (NAD 27) LONG: 107°59'36" W. (NAD 27) BOTTOM HOLE: LAT: 36.47532° N. (NAD 83) LONG: 107.99808° W. (NAD 83) 22	18 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. Signature _____ Date _____ Printed Name _____
19 OIL CORNER FD 2 1/2" BC 1930 USGLO	20 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. JUNE 15, 2004 Date of Survey Signature and Seal of Professional Land Surveyor ROY A. RUSH NEW MEXICO 8894 Certificate Number	

BHL1 1490/N 1353/W
mid 1432 TBL 1585

HOLD OIL FOR NSL

Submit amended plat w/
signature



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: XTO Energy Date: 10/22/2007 Time: 08:01:19 Page: 1
Field: San Juan, NM (NAD 83) Co-ordinate(NE) Reference: Site: Berger #6 S, True North
Site: Berger #6 S Vertical (TVD) Reference: SITE 6335.0
Well: #6 S Section (VS) Reference: Well (0.00N,0.00E;235.66Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Field: San Juan, NM (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Western Zone
Coordinate System: Site Centre
Geomagnetic Model: bggm2006

Site: Berger #6 S

RCVD DEC 13 '07
OIL CONS. DIV.

1130' FNL 1890' FWL of Section 22 T-26-N, R-11-W

Site Position: Northing: 1993158.33 ft Latitude: 36 28 39.000' N
From: Geographic Easting: 2676057.96 ft Longitude: 107 59 36.000' W
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 6323.00 ft Grid Convergence: -0.10 deg

DIST. 3

Well: #6 S

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 1993158.33 ft Latitude: 36 28 39.000' N
+E/-W 0.00 ft Easting: 2676057.96 ft Longitude: 107 59 36.000' W
Position Uncertainty: 0.00 ft

Wellpath: 1

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 10.45 deg
Mag Dip Angle: 63.31 deg
+E/-W Direction
ft deg

Current Datum: SITE Height 6335.00 ft
Magnetic Data: 10/12/2007
Field Strength: 50984 nT
Vertical Section: Depth From (TVD)
ft

0.00 0.00 0.00 235.66

Survey: WFT SVY

Start Date: 10/19/2007

Company: Weatherford International, Inc
Tool:

Engineer: Lindsey Maddux
Tied-to: From Surface

Survey: WFT SVY

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
318.00	0.00	0.00	318.00	0.00	0.00	0.00	0.00	0.00	0.00	
360.00	0.31	259.45	360.00	-0.02	-0.11	0.10	0.74	0.74	0.00	
455.00	0.56	274.83	455.00	-0.03	-0.83	0.70	0.29	0.26	16.19	
546.00	0.31	238.83	545.99	-0.12	-1.48	1.29	0.39	-0.27	-39.56	
637.00	1.13	122.95	636.99	-0.73	-0.94	1.19	1.42	0.90	-127.34	
729.00	0.25	215.08	728.98	-1.39	-0.29	1.03	1.27	-0.96	100.14	
820.00	0.63	194.58	819.98	-2.04	-0.53	1.59	0.45	0.42	-22.53	
866.00	0.56	216.20	865.98	-2.46	-0.73	1.99	0.51	-0.15	47.00	
897.00	0.50	208.45	896.98	-2.71	-0.88	2.26	0.30	-0.19	-25.00	
929.00	2.75	233.20	928.96	-3.29	-1.56	3.15	7.20	7.03	77.34	
960.00	5.44	234.08	959.88	-4.60	-3.35	5.36	8.68	8.68	2.84	
992.00	7.88	232.20	991.66	-6.83	-6.31	9.07	7.65	7.62	-5.87	
1024.00	10.44	231.58	1023.25	-9.98	-10.32	14.15	8.01	8.00	-1.94	
1055.00	13.69	232.70	1053.56	-13.95	-15.44	20.61	10.51	10.48	3.61	
1087.00	17.13	233.95	1084.41	-19.02	-22.26	29.11	10.80	10.75	3.91	
1119.00	19.63	236.70	1114.77	-24.74	-30.57	39.20	8.27	7.81	8.59	
1150.00	22.13	238.20	1143.73	-30.68	-39.88	50.24	8.25	8.06	4.84	
1182.00	25.31	239.20	1173.03	-37.36	-50.88	63.09	10.02	9.94	3.12	
1214.00	28.19	238.83	1201.60	-44.78	-63.23	77.47	9.01	9.00	-1.16	
1245.00	31.13	238.08	1228.54	-52.80	-76.30	92.79	9.56	9.48	-2.42	
1277.00	33.56	237.95	1255.57	-61.87	-90.82	109.89	7.60	7.59	-0.41	
1309.00	35.56	236.95	1281.92	-71.64	-106.12	128.03	6.50	6.25	-3.12	
1340.00	37.31	235.95	1306.86	-81.82	-121.46	146.44	5.96	5.65	-3.23	



Weatherford International, Inc.

Survey Report



Company: XTO Energy Date: 10/22/2007 Time: 08:01:19 Page: 2
Field: San Juan, NM (NAD 83) Co-ordinate(N/E) Reference: Site: Berger #6 S, True North
Site: Berger #6 S Vertical (TVD) Reference: SITE 6335.0
Well: #6 S Section (VS) Reference: Well (0.00N,0.00E,235.66Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: WFT SVY

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1372.00	39.31	235.08	1331.97	-93.05	-137.81	166.28	6.47	6.25	-2.72	
1404.00	41.04	235.08	1356.42	-104.87	-154.73	186.92	5.41	5.41	0.00	
1435.00	43.31	235.20	1379.39	-116.76	-171.81	207.73	7.33	7.32	0.39	
1467.00	45.69	235.58	1402.21	-129.50	-190.27	230.16	7.48	7.44	1.19	
1498.00	48.00	236.58	1423.41	-142.12	-209.04	252.77	7.81	7.45	3.23	
1530.00	50.44	236.95	1444.31	-155.40	-229.30	276.99	7.68	7.62	1.16	
1562.00	53.00	237.45	1464.14	-169.00	-250.42	302.10	8.09	8.00	1.56	
1594.00	56.13	237.08	1482.69	-183.10	-272.34	328.16	9.83	9.78	-1.16	
1625.00	59.38	235.83	1499.23	-197.59	-294.19	354.37	11.02	10.48	-4.03	
1657.00	63.00	235.20	1514.64	-213.46	-317.30	382.41	11.44	11.31	-1.97	
1689.00	66.69	235.45	1528.24	-229.94	-341.11	411.37	11.55	11.53	0.78	
1720.00	69.88	235.58	1539.71	-246.24	-364.85	440.16	10.30	10.29	0.42	
1752.00	72.63	235.70	1549.99	-263.34	-389.86	470.46	8.60	8.59	0.37	
1784.00	75.19	236.08	1558.86	-280.58	-415.32	501.21	8.08	8.00	1.19	
1815.00	77.19	236.20	1566.26	-297.36	-440.32	531.31	6.46	6.45	0.39	
1847.00	79.25	236.95	1572.79	-314.61	-466.46	562.63	6.83	6.44	2.34	
1855.00	79.67	237.01	1574.26	-318.90	-473.05	570.49	5.34	5.28	0.78	7"
1879.00	80.94	237.20	1578.30	-331.74	-492.92	594.14	5.34	5.28	0.78	
1910.00	83.38	237.58	1582.53	-348.29	-518.79	624.84	7.96	7.87	1.23	
1920.00	84.69	237.45	1583.57	-353.63	-527.17	634.78	13.16	13.10	-1.30	
1932.00	86.31	237.33	1584.51	-360.08	-537.25	646.73	13.54	13.50	-1.00	
2001.00	89.56	234.33	1586.99	-398.80	-594.29	715.67	6.41	4.71	-4.35	
2032.00	87.88	238.70	1587.69	-415.90	-620.13	746.65	15.10	-5.42	14.10	
2064.00	89.94	239.33	1588.30	-432.37	-647.56	778.59	6.73	6.44	1.97	
2095.00	90.25	237.95	1588.24	-448.50	-674.03	809.55	4.56	1.00	-4.45	
2127.00	91.00	236.95	1587.90	-465.71	-701.00	841.53	3.91	2.34	-3.12	
2159.00	90.31	235.83	1587.53	-483.43	-727.65	873.52	4.11	-2.16	-3.50	
2190.00	89.06	236.33	1587.70	-500.72	-753.37	904.52	4.34	-4.03	1.61	
2225.00	91.69	237.20	1587.47	-519.90	-782.64	939.51	7.91	7.51	2.49	
2257.00	93.81	236.58	1585.94	-537.36	-809.41	971.46	6.90	6.62	-1.94	
2288.00	94.06	236.70	1583.81	-554.37	-835.24	1002.39	0.89	0.81	0.39	
2320.00	95.31	236.20	1581.19	-572.00	-861.82	1034.28	4.21	3.91	-1.56	
2352.00	95.81	236.45	1578.09	-589.66	-888.33	1066.12	1.75	1.56	0.78	
2384.00	94.13	235.33	1575.32	-607.53	-914.72	1098.00	6.30	-5.25	-3.50	
2415.00	92.75	234.45	1573.46	-625.33	-940.03	1128.94	5.28	-4.45	-2.84	
2447.00	91.81	233.70	1572.19	-644.09	-965.93	1160.90	3.76	-2.94	-2.34	
2478.00	91.00	232.70	1571.43	-662.65	-990.74	1191.86	4.15	-2.61	-3.23	
2513.00	92.94	234.20	1570.23	-683.48	-1018.84	1226.81	7.00	5.54	4.29	
2544.00	92.81	234.33	1568.67	-701.56	-1043.97	1257.77	0.59	-0.42	0.42	
2576.00	92.00	233.95	1567.33	-720.29	-1069.88	1289.73	2.80	-2.53	-1.19	
2608.00	90.75	233.33	1566.56	-739.26	-1095.64	1321.70	4.36	-3.91	-1.94	
2640.00	89.38	233.33	1566.52	-758.37	-1121.31	1353.67	4.28	-4.28	0.00	
2672.00	88.00	233.20	1567.26	-777.50	-1146.95	1385.63	4.33	-4.31	-0.41	
2703.00	86.23	233.08	1568.82	-796.08	-1171.72	1416.56	5.72	-5.71	-0.39	
2735.00	85.06	233.20	1571.25	-815.22	-1197.25	1448.44	3.68	-3.66	0.37	LAST SVY
2780.00	85.06	233.20	1575.12	-842.07	-1233.15	1493.23	0.00	0.00	0.00	4 1/2"
2787.00	85.06	233.20	1575.72	-846.25	-1238.73	1500.20	0.00	0.00	0.00	PROJ TO BIT



BERGER #6-S
SAN JUAN COUNTY, NEW MEXICO
1130' FNL 1890' FWL
Section 22, T-26-N, R-11-W



Weatherford®

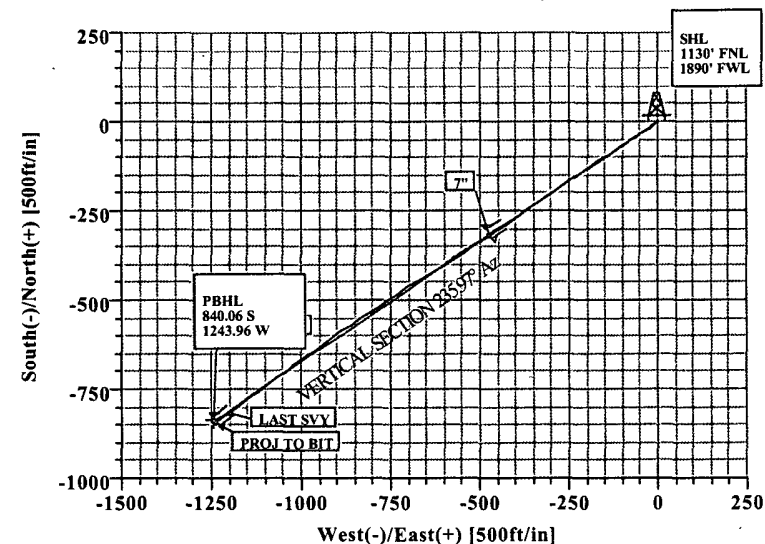
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0 00	0 00	235.97	0 00	0 00	0 00	0 00	0 00	0 00	
2	1000 00	0 00	235.97	1000 00	0 00	0 00	0 00	235.97	0 00	
3	1915 77	90 00	235.97	1583 00	-326 26	-483 16	9 83	-124.03	582 99	
4	1964 92	91 47	235.97	1582 36	-353 76	-523 88	3 00	-0 11	632 13	
5	2834 11	91.47	235.97	1560 00	-840 06	-1243.96	0 00	0.00	1501 03	PBHL NEW

TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
PBHL NEW	1560 00	-840 06	-1243 96	Point

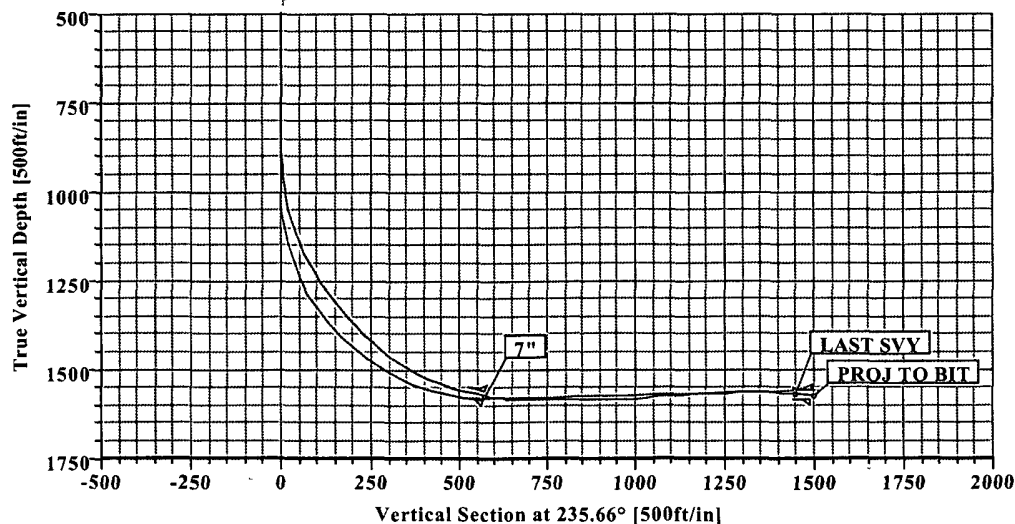
WELL DETAILS									
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot		
#6 S	0.00	0.00	1993158.33	2676057.96	36°28'39.000N	107°59'36.000W	N/A		

FIELD DETAILS
 San Juan, NM (NAD 83)
 Geodetic System: US State Plane Coordinate System 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico, Western Zone
 Magnetic Model: bggm2006
 System Datum: Mean Sea Level
 Local North: True North

SITE DETAILS
 Berger #6 S
 1130' FNL 1890' FWL of Section 22 T-26-N, R-11-W
 Site Centre Latitude: 36°28'39.000N
 Longitude: 107°59'36.000W
 Ground Level: 6323.00
 Positional Uncertainty: 0.00
 Convergence: -0.10

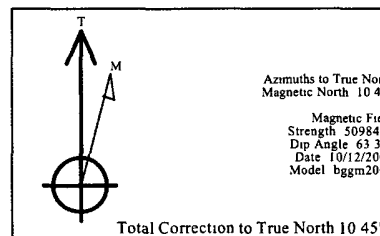


KB ELEV: 6335'
 GL ELEV: 6323'



LEGEND	
	#6 S, 1 Plan #3
	WFT SVY

FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	548 99	549 00	Ojo Alamo SS
2	653 99	654 00	Kirtland Shale
3	1047 63	1048 90	Fruitland Formation
4	1571 25	1838 90	Lower Fruitland



Survey: WFT SVY (#6 S/1)
 Created By Lindsey Maddux Date 10/22/2007