

District I
1625 N French Dr., Hobbs, NM 88240

District II
1301 W Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S 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
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT

As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-33022		*Pool Code 72319		*Pool Name BLANCO MESAVERDE	
*Property Code		*Property Name COX CANYON UNIT			*Well Number 7B
*OGRID No 120782		*Operator Name WILLIAMS PRODUCTION COMPANY			*Elevation 6659'

¹⁰ Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	17	32N	11W		1140	NORTH	1560	WEST	SAN JUAN

¹¹ 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
C	17	32N	11W		638	NORTH	2082	WEST	SAN JUAN

¹² Dedicated Acres 320.0 Acres - (E/2 W/2 & W/2 E/2)					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No RCVD JAN 28 '10 NW4-162 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**

<i>1129110</i>	2082' 1560' 1140' 638' 5138.76' 591.9' N38°43.2'E 5120.94'		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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Larry Higgins</i> 1-26-10 Signature Date <i>LARRY HIGGINS</i> Printed Name	
	SURFACE LOCATION LAT: 36.98911°N LONG: 108.01521°W DATUM: NAD1983 BOTTOM-HOLE LAT: 36.99048°N LONG: 108.01350°W DATUM: NAD1983 17 LEASE NM-03190		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. Date Revised: JANUARY 19, 2010 Survey Date: DECEMBER 20, 2004 Signature and Seal of Professional Surveyor <i>JASON C. EDWARDS</i> Certificate Number 15269	

HOLD C104 FOR *NSL*



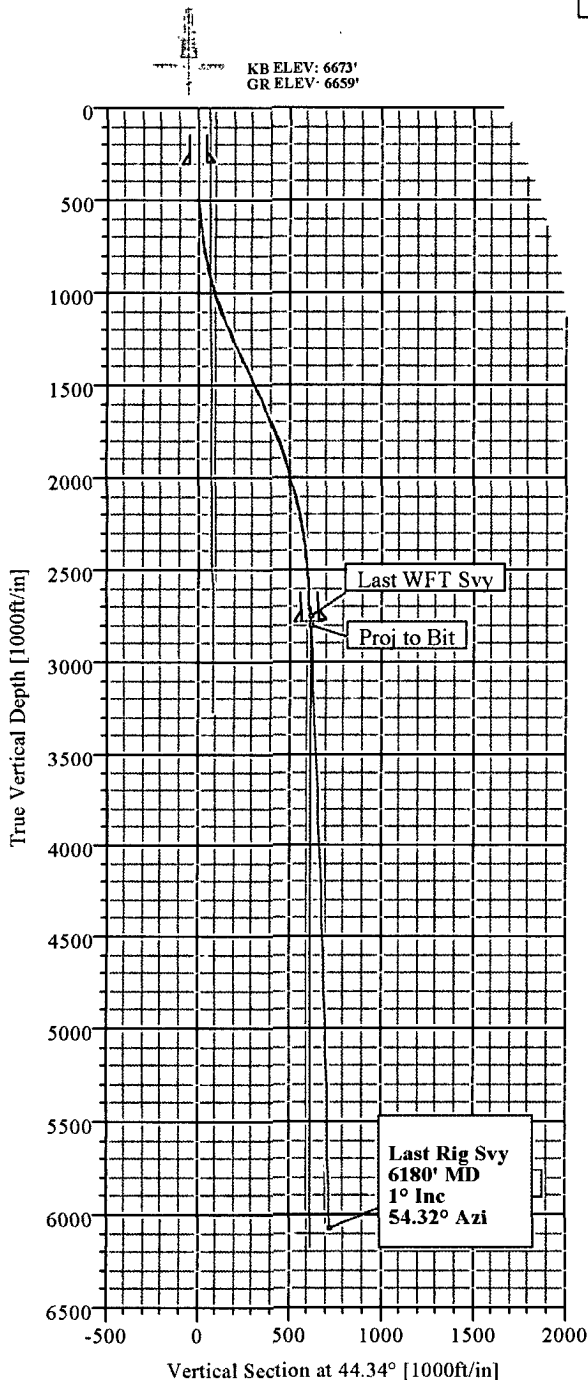
Cox Canyon Unit #7B
San Juan Co., New Mexico
API #30-045-33022

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
1	0.00	0.00	44.34	0.00	0.00	0.00	0.00	0.00	0.00		
2	400.00	0.00	44.34	400.00	0.00	0.00	0.00	0.00	0.00		
3	1229.07	24.87	44.34	1203.28	126.69	123.81	3.00	44.34	177.14		
4	1638.89	24.87	44.34	1575.08	249.96	244.28	0.00	0.00	349.51		
5	2882.50	0.00	44.34	2780.00	440.00	430.00	2.00	180.00	615.22	Int. Csg Pt. P2	
6	6207.50	0.00	44.34	6105.00	440.00	430.00	0.00	44.34	615.22	Pbhl P2	

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#7B	0.00	0.00	2179376.14	447024.14	36°59'21.000N	108°00'53.000W	N/A

TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Int. Csg. Pt. P2	2780.00	440.00	430.00	2179815.32	447454.98	36°59'25.351N	108°00'47.700W	Point
Pbhl P2	6105.00	440.00	430.00	2179815.32	447454.98	36°59'25.351N	108°00'47.700W	Point

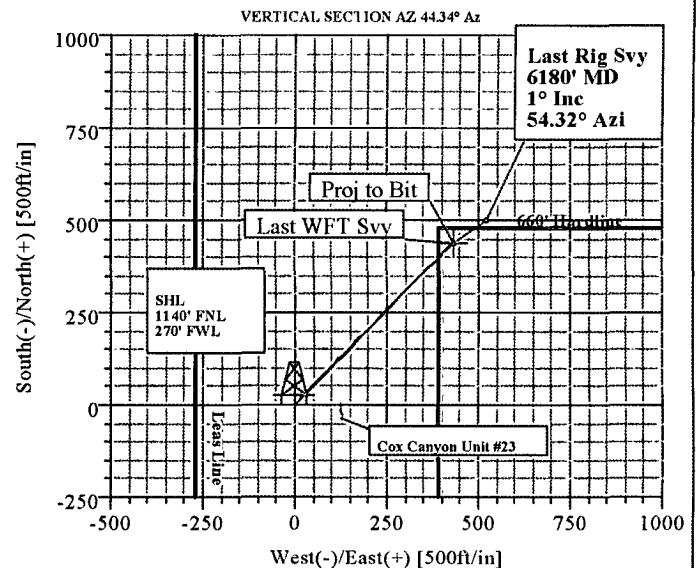
Last Rig Survey										
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
68	6180.00	1.00	54.32	6076.57	502.09	522.45	0.05	180.00	724.25	



LEGEND

- #7B, Plan #2
- Cox Canyon Unit #23 (1)
- Wft Svy

RCVD JAN 29 '10
OIL CONS. DIV.
DIST. 3



Azimuths to True North
 Magnetic North: 10.22°

Magnetic Field
 Strength: 51087nT
 Dip Angle: 63.68°
 Date: 10/19/2009
 Model: igr2005

Total Correction to True North: 10.22°





Weatherford International, Inc.

Survey Report



Weatherford®

Company: WILLIAMS PRODUCTION	Date: 1/14/2010	Time: 09:14:42	Page: 1
Field: SAN JUAN CO. NM (NAD 27)	Co-ordinate(NE) Reference: Well #7B, True North		
Site: Cox Canyon Unit #7B	Vertical (TVD) Reference: SITE 6673.0		
Well: #7B	Section (VS) Reference: Well (0.00N,0.00E,44.34Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: SAN JUAN CO. NM (NAD 27)

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Western Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf2005

Site: Cox Canyon Unit #7B

1140' FNL 1560' FWL of Sec 17 T32N R11W

Site Position:	Northing: 2179376.14 ft	Latitude: 36 59 21.000 N
From: Geographic	Easting: 447024.14 ft	Longitude: 108 0 53.000 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 6659.00 ft		Grid Convergence: -0.11 deg

Well: #7B

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 2179376.14 ft	Latitude: 36 59 21.000 N
+E/-W 0.00 ft	Easting: 447024.14 ft	Longitude: 108 0 53.000 W
Position Uncertainty: 0.00 ft		

Wellpath: 1

Current Datum: SITE	Height 6673.00 ft	Drilled From: Surface
Magnetic Data: 10/19/2009		Tie-on Depth: 0.00 ft
Field Strength: 51087 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S	Declination: 10.22 deg
ft	ft	Mag Dip Angle: 63.68 deg
		+E/-W
		ft
		Direction
		deg
0.00	0.00	0.00 44.34

Survey: Wft Svy

Start Date: 1/7/2010

Company: Weatherford International Ltd.
Tool: MWD,MWD - Standard

Engineer: Russell W Joyner
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	MWD
355.00	0.25	25.20	355.00	0.70	0.33	0.73	0.07	0.07	0.00	MWD
386.00	0.38	23.33	386.00	0.86	0.40	0.89	0.42	0.42	-6.03	MWD
417.00	1.06	32.95	417.00	1.19	0.60	1.27	2.22	2.19	31.03	MWD
448.00	1.88	46.95	447.99	1.78	1.12	2.06	2.87	2.65	45.16	MWD
479.00	2.75	44.70	478.96	2.65	2.02	3.31	2.82	2.81	-7.26	MWD
509.00	3.79	41.52	508.91	3.91	3.18	5.02	3.52	3.47	-10.60	MWD
540.00	4.56	41.20	539.83	5.60	4.67	7.27	2.48	2.48	-1.03	MWD
570.00	5.50	40.08	569.71	7.60	6.38	9.90	3.15	3.13	-3.73	MWD
601.00	6.44	41.20	600.54	10.05	8.49	13.12	3.06	3.03	3.61	MWD
632.00	7.42	44.82	631.32	12.77	11.04	16.85	3.46	3.16	11.68	MWD
662.00	8.13	48.70	661.04	15.55	14.00	20.91	2.94	2.37	12.93	MWD
693.00	8.88	49.08	691.70	18.56	17.46	25.48	2.43	2.42	1.23	MWD
724.00	9.44	47.95	722.30	21.83	21.15	30.40	1.90	1.81	-3.65	MWD
754.00	10.25	44.45	751.86	25.38	24.85	35.52	3.36	2.70	-11.67	MWD
786.00	11.36	43.19	783.30	29.72	29.00	41.52	3.55	3.47	-3.94	MWD
817.00	12.06	41.95	813.65	34.35	33.25	47.81	2.40	2.26	-4.00	MWD
848.00	12.75	41.70	843.93	39.31	37.69	54.46	2.23	2.23	-0.81	MWD
880.00	13.44	41.83	875.09	44.72	42.52	61.70	2.16	2.16	0.41	MWD
911.00	14.35	41.45	905.19	50.28	47.47	69.14	2.95	2.94	-1.23	MWD
943.00	15.24	41.00	936.12	56.43	52.85	77.30	2.80	2.78	-1.41	MWD
973.00	16.00	40.95	965.02	62.53	58.15	85.36	2.53	2.53	-0.17	MWD
1004.00	17.19	41.95	994.73	69.16	64.01	94.20	3.95	3.84	3.23	MWD
1036.00	17.88	44.08	1025.24	76.21	70.59	103.84	2.94	2.16	6.66	MWD



Weatherford International, Inc.

Survey Report

**Weatherford®**

Company: WILLIAMS PRODUCTION	Date: 1/14/2010	Time: 09:14:42	Page: 2
Field: SAN JUAN CO. NM (NAD 27)	Co-ordinate(NE) Reference: Well: #7B, True North		
Site: Cox Canyon Unit #7B	Vertical (TVD) Reference: SITE 6673.0		
Well: #7B	Section (VS) Reference: Well (0.00N,0.00E,44.34Azi)		
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
1068.00	18.56	45.33	1055.63	83.32	77.63	113.85	2.45	2.12	3.91	MWD
1099.00	19.41	46.02	1084.95	90.36	84.85	123.93	2.84	2.74	2.23	MWD
1131.00	20.44	44.95	1115.03	98.01	92.62	134.83	3.41	3.22	-3.34	MWD
1162.00	21.44	43.83	1143.98	105.93	100.37	145.91	3.47	3.23	-3.61	MWD
1193.00	22.44	43.08	1172.74	114.34	108.33	157.49	3.35	3.23	-2.42	MWD
1225.00	23.63	43.70	1202.19	123.44	116.94	170.01	3.80	3.72	1.94	MWD
1256.00	24.56	44.20	1230.49	132.55	125.72	182.66	3.07	3.00	1.61	MWD
1288.00	24.97	44.25	1259.54	142.15	135.07	196.07	1.28	1.28	0.16	MWD
1320.00	25.38	44.95	1288.50	151.84	144.63	209.68	1.58	1.28	2.19	MWD
1351.00	25.69	45.20	1316.47	161.28	154.09	223.04	1.06	1.00	0.81	MWD
1382.00	25.69	45.33	1344.41	170.74	163.63	236.48	0.18	0.00	0.42	MWD
1413.00	25.94	45.58	1372.32	180.21	173.26	249.98	0.88	0.81	0.81	MWD
1444.00	26.00	45.45	1400.19	189.72	182.94	263.55	0.27	0.19	-0.42	MWD
1540.00	25.44	43.83	1486.68	219.36	212.22	305.21	0.94	-0.58	-1.69	MWD
1634.00	23.90	44.26	1572.09	247.56	239.49	344.44	1.65	-1.64	0.46	MWD
1696.00	22.63	43.58	1629.05	265.20	256.48	368.93	2.09	-2.05	-1.10	MWD
1760.00	21.44	42.95	1688.38	282.68	272.94	392.93	1.90	-1.86	-0.98	MWD
1856.00	21.22	45.64	1777.80	307.67	297.31	427.84	1.04	-0.23	2.80	MWD
1950.00	19.81	44.08	1865.84	331.01	320.56	460.78	1.61	-1.50	-1.66	MWD
2044.00	17.94	46.33	1954.78	352.45	342.11	491.18	2.13	-1.99	2.39	MWD
2137.00	15.38	49.33	2043.87	370.38	361.83	517.78	2.90	-2.75	3.23	MWD
2230.00	12.88	47.23	2134.05	385.46	378.80	540.43	2.74	-2.69	-2.26	MWD
2261.00	12.13	47.58	2164.32	390.00	383.74	547.13	2.43	-2.42	1.13	MWD
2292.00	11.44	46.58	2194.66	394.31	388.37	553.45	2.32	-2.23	-3.23	MWD
2323.00	10.81	44.20	2225.08	398.51	392.63	559.43	2.51	-2.03	-7.68	MWD
2354.00	10.38	41.83	2255.55	402.67	396.52	565.13	1.97	-1.39	-7.65	MWD
2385.00	9.77	40.47	2286.07	406.75	400.09	570.54	2.11	-1.97	-4.39	MWD
2416.00	9.06	41.20	2316.66	410.59	403.41	575.61	2.32	-2.29	2.35	MWD
2447.00	8.50	42.95	2347.29	414.11	406.58	580.33	2.00	-1.81	5.65	MWD
2479.00	8.13	43.83	2378.96	417.47	409.75	584.96	1.22	-1.16	2.75	MWD
2511.00	7.65	45.45	2410.65	420.60	412.84	589.35	1.65	-1.50	5.06	MWD
2543.00	6.88	46.83	2442.40	423.40	415.76	593.40	2.47	-2.41	4.31	MWD
2574.00	6.06	46.70	2473.20	425.79	418.30	596.89	2.65	-2.65	-0.42	MWD
2605.00	5.38	46.70	2504.04	427.91	420.55	599.97	2.19	-2.19	0.00	MWD
2636.00	4.50	47.83	2534.93	429.73	422.51	602.64	2.86	-2.84	3.65	MWD
2667.00	4.00	47.75	2565.84	431.27	424.21	604.93	1.61	-1.61	-0.26	MWD
2698.00	3.56	49.83	2596.77	432.62	425.75	606.97	1.49	-1.42	6.71	MWD
2729.00	3.00	54.33	2627.72	433.71	427.14	608.73	1.99	-1.81	14.52	MWD
2760.00	2.88	55.33	2658.68	434.63	428.44	610.29	0.42	-0.39	3.23	MWD
2791.00	2.81	54.20	2689.64	435.51	429.70	611.80	0.29	-0.23	-3.65	MWD
2822.00	3.00	55.15	2720.61	436.42	430.98	613.35	0.63	0.61	3.06	MWD
2850.00	2.80	54.32	2748.57	437.24	432.14	614.74	0.73	-0.71	-2.96	Last WFT Svy
2900.00	2.80	54.32	2798.51	438.66	434.12	617.15	0.00	0.00	0.00	Proj to Bit
6180.00	1.00	54.32	6076.57	502.09	522.45	724.25	0.05	-0.05	0.00	Last Rig Svy

Annotation

MD ft	TVD ft	
2850.00	2748.57	Last WFT Svy
2900.00	2798.51	Proj to Bit
6180.00	6076.57	Last Rig Svy