

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

JAN 29 2009

Form C-103
May 27, 2004

WELL API NO.
30-005-29033

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Yorktown 12 Fee

8. Well Number
002

9. OGRID Number
162683

10. Pool name or Wildcat
Denton; Wolfcamp

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
Cimarex Energy Co. of Colorado

3. Address of Operator
PO Box 140907; Irving, TX 75014-0907

4. Well Location

SHL Unit Letter E : 1980 feet from the North line and 330 feet from the West line

SHL Unit Letter H : 1980 feet from the North line and 330 feet from the East line

Section 12 Township 15S Range 31E NMPM County Chaves

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
4384' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ P AND A ☐
CASING/CEMENT JOB ☒
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

09-02-08 TD'd 8 3/4" pilot hole @ 9248'
09-04-08 In 8 3/4" hole ran 7" 26# P-110 LTC to 9248' cement with lead of 450 sx 50/50 POZ, H + 5% D44 + 10% D 20 + .125 D130 + .2% D65 + .25% D13 (wt 11.9, yield 2.47) tail with 300 sx TXI lightweight + 1% D44 + 1% D65 + .3% D13 (wt 13.0, yield 1.40). Est. TOC 2300'
09-05-08 Pressure test casing to 1000 psi for 30 minutes. Set CIBP @ 8600'
09-06-08 Cut window in 7" casing top @8583' bottom 8592.
09-25-08 TD'd horizontal at TMD 13150'
09-28-08 Set Peak liner assembly top 8488' bottom 11710'.
09-30-08 Rig Released.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Scott Haynes TITLE Regulatory Analyst DATE January 28, 2009

Type or print name Scott Haynes email address: shaynes@cimarex.com Telephone No. 469-420-2715

For State Use Only

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE FEB 11 2009

Conditions of Approval (if any):

Results of Directional Survey

API number:	30-005-29033		
OGRID:		Operator:	CIMAREX ENERGY CO OF COLORADO
		Property:	YORKTOWN 12 FEE # 2

surface	ULSTR:	E	12	T	15S	R	31E
			1980	FNL	330	FWL	

BH Loc	ULSTR:	H	12	T	15S	R	31E
			1947	FNL	4780	FWL	

	MD	N/S	E/W	VD
	9461	-2.07	765.04	8860.47
TOP PERFS/OH	9492	-1.74	796.04	8860.52
	9493	-1.73	797.04	8860.52
	11146	14.92	2447.88	8908.71
BOT PERFS/OH	11156	15.09	2457.88	8908.91
	11181	15.53	2482.87	8909.41

NEXT TO LAST	13065	32.29	4365.24	8902.77
LAST READING	13081	32.41	4381.23	8902.24
TD	13150	32.93	4450.19	8899.95

Surface Location	1980	FN	330	FW
Projected BHL	1947	FN	4780	FW
Location of				
Top Perfs/OH	1982	FN	1126	FW
Bottom Perfs/OH	1965	FN	2788	FW

SUMMARY of Subsurface Locations

Surface Location	E-12-15S-31E	1980	FN	330	FW	Vert. Depth
Top Perfs/OH	E-12-15S-31E	1982	FN	1126	FW	8860.52
Bottom Perfs/OH	H-12-15S-31E	1965	FN	2788	FW	8908.91
Projected TD	H-12-15S-31E	1947	FN	4780	FW	8899.95

OPERATOR: Cimarex Energy Co.
WELL/LEASE: Yorktown 12 Fee # 2 Sec12, T15S, R31E
COUNTY: Chaves Co., New Mexico

STATE OF NEW MEXICO
DEVIATION REPORT

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
294	0		
743	1/2		
2,119	1 1/4		
2,467	1 1/2		
2,910	1 1/4		
3,384	3/4		
4,305	1/4		
4,748	0		
5,191	1/4		
5,365	1/4		
5,411	1/2		
5,853	1/2		
6,328	3/4		
6,777	1/2		
7,219	3/4		
7,694	1		
8,136	1 1/4		
8,611	1 3/4		

SUR: E-12-15s-31e, 1980/N & 330/W
BHL: H-12-15s-31e, 1947/N & 4780/W
API # 30-005-29033

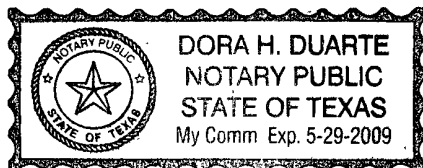
Patriot Drilling, LLC



M. Leroy Peterson, Executive Vice-
President

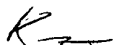
The foregoing instrument was acknowledged before me on this 14th day of October, 2008 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 5/29/2009





Dora H. Duarte
Notary Public for Midland Co., Texas



CIMAREX

YORKTOWN 12 FEE #2
CHAVES CO., NEW MEXICO



Weatherford

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8578.00	1.05	141.94	8577.44	-4.06	23.55	0.00	0.00	23.55	
2	8593.00	3.05	141.94	8592.43	-4.48	23.88	13.33	0.00	23.88	
3	8598.00	3.05	141.94	8597.42	-4.69	24.04	0.00	0.00	24.04	
4	8999.08	89.36	90.00	8851.26	-15.22	283.66	21.81	-52.01	283.66	
5	9065.43	89.36	90.00	8852.00	-15.22	350.00	0.00	0.00	350.00	LP
6	9072.18	89.36	89.80	8852.08	-15.20	356.75	3.00	-91.15	356.75	
7	13335.72	89.36	89.80	8900.00	0.00	4620.00	0.00	0.00	4620.00	T2

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#2	0.00	0.00	739671.40	668930.40	33°01'55.928N	103°46'55.656W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
LP	8852.00	0.00	350.00	739671.40	668930.40	Point
T2	8900.00	0.00	4620.00	739671.40	673550.40	Point
8905' TVD	8905.00	0.00	2000.00	739671.40	670930.40	Point

Proj. to Bit Survey: WFT SVY (#2/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
150	13150.00	91.80	89.59	8900.08	32.91	4450.19	0.00	0.00	4450.19



Azimuths to Grid North
True North: -0.30°
Magnetic North: 7.83°

Magnetic Field
Strength: 49406nT
Dip Angle: 60.98°
Date: 9/8/2008
Model: bggm2007

TOTAL CORRECTION TO GRID NORTH 7.83°

SITE DETAILS

Yorktown 12 Fee #2
1980' FNL 330' FWL of SEC 12, T-15-S, R-31-E
Site Centre Northing: 739671.40
Easting: 668930.40
Ground Level: 4384.00
Positional Uncertainty: 0.00
Convergence: 0.30

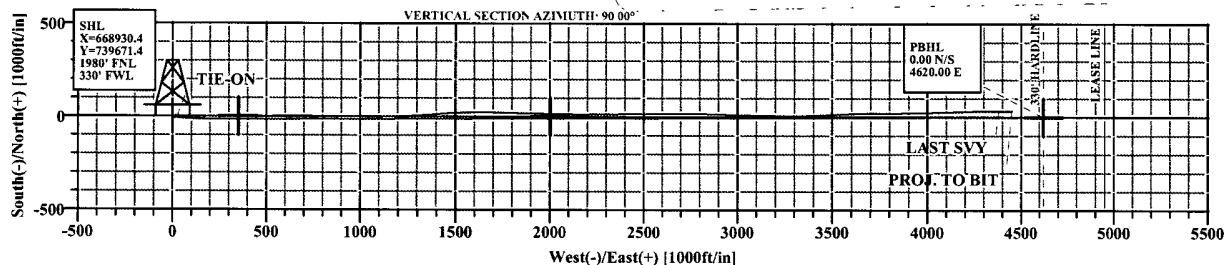
FIELD DETAILS

Chaves Co., NM (NAD27)
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: bggm2007
System Datum: Mean Sea Level
Local North: Grid North

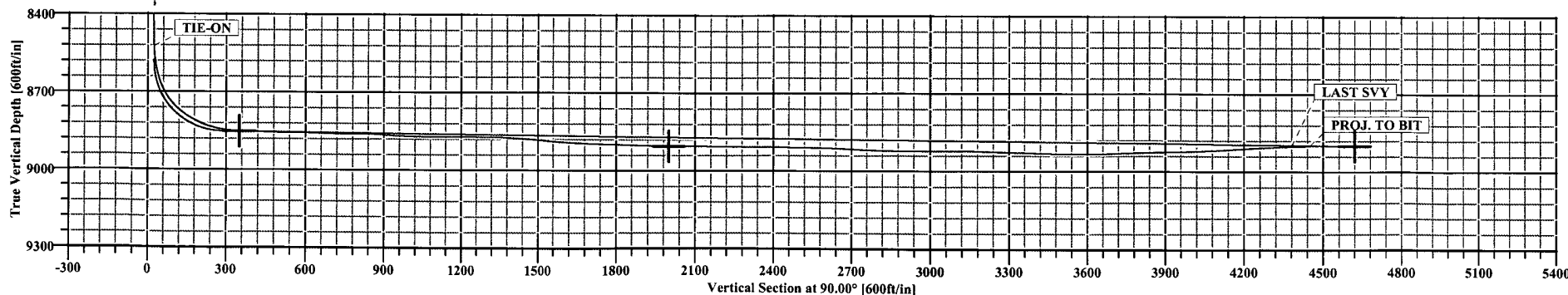
LEGEND

— #2,1,Plan #2
— WFT SVY

SUR: E-12-15s-31e, 1980/N & 330/W
BHL: H-12-15s-31e, 1947/N & 4780/W
API # 30-005-29033



KB ELEV: 4407'
GL ELEV: 4384'



Survey: WFT SVY (#2/1)

Created By: Jayme Wilson

Date: 9/25/2008



Weatherford International Ltd.

SURVEY REPORT

**Weatherford**

Company: CIMAREX Date: 9/25/2008 Time: 21:58:02 Page: 1
Field: Chaves Co., NM (NAD27) Co-ordinate(NE) Reference: Well: #2; Grid: North
Site: Yorktown 12 Fee #2 Vertical (TVD) Reference: SITE 4407.0
Well: #2 Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: WFT SVY Start Date: 9/9/2008
Company: Weatherford International Ltd. Engineer: Jayme Wilson
Tool: MWD;MWD - Standard Tied-to: User Defined

Field: Chaves Co., NM (NAD27)

Map System: US State Plane Coordinate System 1927 Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866) Coordinate System: Well Centre
Sys Datum: Mean Sea Level Geomagnetic Model: bggm2007

Site: Yorktown 12 Fee #2

1980' FNL 330' FWL of SEC 12, T-15-S, R-31-E

Site Position: Northing: 739671.40 ft Latitude: 33 1 55.928 N
From: Map Easting: 668930.40 ft Longitude: 103 46 55.656 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 4384.00 ft Grid Convergence: 0.30 deg

Well: #2

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 739671.40 ft Latitude: 33 1 55.928 N
+E/-W 0.00 ft Easting: 668930.40 ft Longitude: 103 46 55.656 W
Position Uncertainty: 0.00 ft

Wellpath: 1

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 8.13 deg
Mag Dip Angle: 60.98 deg
Direction deg

Current Datum: SITE Height 4407.00 ft
Magnetic Data: 9/8/2008
Field Strength: 49406 nT
Vertical Section: Depth From (TVD) +N/-S
ft ft
0.00 0.00

Survey

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	Comment
8525.20	0.94	147.71	8524.65	-3.31	23.02	23.02	0.00	0.00	0.00	TIE-ON
8670.00	20.35	90.26	8666.34	-4.44	49.09	49.09	13.72	13.40	-39.68	
8701.00	27.03	89.35	8694.71	-4.38	61.54	61.54	21.58	21.55	-2.94	
8733.00	34.22	88.91	8722.23	-4.13	77.83	77.83	22.48	22.47	-1.37	
8765.00	41.76	87.88	8747.44	-3.56	97.50	97.50	23.64	23.56	-3.22	
8797.00	49.11	87.45	8769.87	-2.63	120.27	120.27	22.99	22.97	-1.34	
8829.00	56.02	89.67	8789.32	-2.01	145.65	145.65	22.28	21.59	6.94	
8861.00	61.25	85.53	8805.97	-0.84	172.93	172.93	19.72	16.34	-12.94	
8893.00	65.89	88.97	8820.21	0.51	201.54	201.54	17.40	14.50	10.75	
8922.00	71.34	89.96	8830.78	0.76	228.53	228.53	19.06	18.79	3.41	
8953.00	76.15	87.28	8839.46	1.49	258.27	258.27	17.59	15.52	-8.65	
8985.00	81.84	87.81	8845.57	2.83	289.64	289.64	17.86	17.78	1.66	
8999.00	82.69	88.37	8847.45	3.29	303.51	303.51	7.25	6.07	4.00	
9002.00	82.82	87.96	8847.83	3.39	306.48	306.48	14.23	4.33	-13.67	
9012.00	83.90	88.22	8848.99	3.72	316.41	316.41	11.10	10.80	2.60	
9015.00	84.30	88.34	8849.29	3.81	319.39	319.39	13.91	13.33	4.00	
9017.00	84.43	88.82	8849.49	3.86	321.38	321.38	24.75	6.50	24.00	
9027.00	85.51	88.88	8850.37	4.06	331.34	331.34	10.82	10.80	0.60	
9048.00	87.57	89.38	8851.63	4.37	352.30	352.30	10.09	9.81	2.38	
9079.00	90.09	90.72	8852.27	4.35	383.29	383.29	9.21	8.13	4.32	
9111.00	88.02	92.80	8852.80	3.36	415.27	415.27	9.17	-6.47	6.50	
9143.00	87.29	92.28	8854.10	1.95	447.21	447.21	2.80	-2.28	-1.62	
9174.00	87.91	91.96	8855.40	0.80	478.16	478.16	2.25	2.00	-1.03	
9206.00	89.00	91.84	8856.27	-0.26	510.13	510.13	3.43	3.41	-0.37	



Weatherford International Ltd.

SURVEY REPORT

**Weatherford**

Company: CIMAREX Date: 9/25/2008 Time: 21:58:02 Page: 2
Field: Chaves Co., NM (NAD27) Co-ordinate(NE) Reference: Well: #2, Grid North
Site: Yorktown-12 Fee #2 Vertical (TVD) Reference: SITE 4407.0
Well: #2 Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

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	Comment
9238.00	89.97	91.75	8856.55	-1.26	542.11	542.11	3.04	3.03	-0.28	
9266.00	89.51	91.06	8856.68	-1.95	570.10	570.10	2.96	-1.64	-2.46	
9270.00	89.63	91.40	8856.71	-2.03	574.10	574.10	9.01	3.00	8.50	
9301.00	89.40	90.40	8856.97	-2.52	605.10	605.10	3.31	-0.74	-3.23	
9333.00	87.97	90.18	8857.71	-2.68	637.09	637.09	4.52	-4.47	-0.69	
9365.00	87.91	89.80	8858.86	-2.68	669.07	669.07	1.20	-0.19	-1.19	
9397.00	88.60	89.70	8859.83	-2.54	701.05	701.05	2.18	2.16	-0.31	
9429.00	89.51	89.56	8860.36	-2.33	733.04	733.04	2.88	2.84	-0.44	
9461.00	90.09	89.50	8860.47	-2.07	765.04	765.04	1.82	1.81	-0.19	
9493.00	89.74	89.30	8860.52	-1.73	797.04	797.04	1.26	-1.09	-0.62	
9507.00	89.57	89.09	8860.60	-1.54	811.04	811.04	1.93	-1.21	-1.50	
9524.00	89.11	89.41	8860.80	-1.31	828.04	828.04	3.30	-2.71	1.88	
9556.00	87.17	89.42	8861.84	-0.99	860.02	860.02	6.06	-6.06	0.03	
9577.00	86.14	89.64	8863.06	-0.81	880.98	880.98	5.02	-4.90	1.05	
9588.00	85.91	89.69	8863.83	-0.75	891.95	891.95	2.14	-2.09	0.45	
9620.00	86.37	89.72	8865.98	-0.59	923.88	923.88	1.44	1.44	0.09	
9652.00	86.71	89.95	8867.91	-0.49	955.82	955.82	1.28	1.06	0.72	
9683.00	88.20	90.80	8869.29	-0.70	986.79	986.79	5.53	4.81	2.74	
9714.00	88.94	90.43	8870.06	-1.03	1017.78	1017.78	2.67	2.39	-1.19	
9746.00	89.06	90.08	8870.62	-1.17	1049.77	1049.77	1.16	0.37	-1.09	
9778.00	89.00	89.64	8871.16	-1.09	1081.77	1081.77	1.39	-0.19	-1.37	
9810.00	89.80	89.34	8871.50	-0.81	1113.76	1113.76	2.67	2.50	-0.94	
9842.00	90.89	89.41	8871.30	-0.46	1145.76	1145.76	3.41	3.41	0.22	
9874.00	90.66	88.79	8870.87	0.04	1177.75	1177.75	2.07	-0.72	-1.94	
9906.00	90.03	87.53	8870.68	1.07	1209.74	1209.74	4.40	-1.97	-3.94	
9938.00	89.51	86.84	8870.81	2.64	1241.70	1241.70	2.70	-1.62	-2.16	
9970.00	89.40	86.56	8871.11	4.48	1273.64	1273.64	0.94	-0.34	-0.87	
10002.00	89.51	86.79	8871.42	6.34	1305.59	1305.59	0.80	0.34	0.72	
10033.00	88.14	86.46	8872.05	8.16	1336.53	1336.53	4.55	-4.42	-1.06	
10065.00	86.77	86.07	8873.47	10.25	1368.43	1368.43	4.45	-4.28	-1.22	
10097.00	86.37	85.06	8875.39	12.72	1400.27	1400.27	3.39	-1.25	-3.16	
10128.00	86.26	85.12	8877.38	15.36	1431.10	1431.10	0.40	-0.35	0.19	
10160.00	85.68	86.02	8879.63	17.83	1462.92	1462.92	3.34	-1.81	2.81	
10192.00	84.54	87.32	8882.36	19.68	1494.75	1494.75	5.39	-3.56	4.06	
10200.00	84.65	87.55	8883.11	20.04	1502.71	1502.71	3.18	1.37	2.87	
10224.00	85.05	87.85	8885.26	21.00	1526.59	1526.59	2.08	1.67	1.25	
10255.00	85.45	88.34	8887.83	22.02	1557.47	1557.47	2.04	1.29	1.58	
10288.00	85.97	88.91	8890.30	22.81	1590.36	1590.36	2.33	1.58	1.73	
10320.00	86.20	89.88	8892.48	23.15	1622.29	1622.29	3.11	0.72	3.03	
10352.00	87.06	90.36	8894.37	23.08	1654.23	1654.23	3.08	2.69	1.50	
10384.00	87.80	91.03	8895.80	22.70	1686.20	1686.20	3.12	2.31	2.09	
10414.00	88.31	91.43	8896.82	22.05	1716.17	1716.17	2.16	1.70	1.33	
10447.00	88.89	91.56	8897.62	21.19	1749.15	1749.15	1.80	1.76	0.39	
10479.00	88.94	91.81	8898.23	20.25	1781.13	1781.13	0.80	0.16	0.78	
10511.00	87.63	91.01	8899.19	19.46	1813.11	1813.11	4.80	-4.09	-2.50	
10542.00	87.46	90.80	8900.52	18.98	1844.07	1844.07	0.87	-0.55	-0.68	
10574.00	88.08	90.90	8901.76	18.50	1876.05	1876.05	1.96	1.94	0.31	
10605.00	88.70	91.60	8902.63	17.82	1907.03	1907.03	3.02	2.00	2.26	
10637.00	89.51	92.08	8903.13	16.80	1939.00	1939.00	2.94	2.53	1.50	
10669.00	89.63	91.90	8903.37	15.69	1970.98	1970.98	0.68	0.37	-0.56	
10701.00	88.77	91.43	8903.82	14.76	2002.97	2002.97	3.06	-2.69	-1.47	
10733.00	89.40	91.13	8904.33	14.04	2034.96	2034.96	2.18	1.97	-0.94	



Weatherford International Ltd.

SURVEY REPORT

**Weatherford**

Company: CIMAREX Date: 9/25/2008 Time: 21:58:02 Page: 3
Field: Chaves Co., NM (NAD27) Co-ordinate(NE) Reference: Well: #2, Grid North
Site: Yorktown 12 Fee #2 Vertical (TVD) Reference: SITE 4407.0
Well: #2 Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

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	Comment
10764.00	89.97	91.08	8904.50	13.44	2065.95	2065.95	1.85	1.84	-0.16	
10796.00	89.74	91.01	8904.58	12.86	2097.94	2097.94	0.75	-0.72	-0.22	
10828.00	89.34	90.55	8904.84	12.42	2129.94	2129.94	1.90	-1.25	-1.44	
10860.00	89.51	89.73	8905.16	12.35	2161.94	2161.94	2.62	0.53	-2.56	
10892.00	89.80	89.87	8905.35	12.46	2193.94	2193.94	1.01	0.91	0.44	
10923.00	89.06	89.75	8905.66	12.56	2224.93	2224.93	2.42	-2.39	-0.39	
10955.00	88.37	89.46	8906.38	12.78	2256.93	2256.93	2.34	-2.16	-0.91	
10987.00	88.83	88.94	8907.16	13.23	2288.91	2288.91	2.17	1.44	-1.62	
11019.00	90.03	89.15	8907.48	13.76	2320.91	2320.91	3.81	3.75	0.66	
11051.00	90.49	89.64	8907.33	14.10	2352.90	2352.90	2.10	1.44	1.53	
11083.00	89.51	89.89	8907.33	14.23	2384.90	2384.90	3.16	-3.06	0.78	
11114.00	88.60	89.36	8907.84	14.43	2415.90	2415.90	3.40	-2.94	-1.71	
11146.00	88.31	88.89	8908.71	14.92	2447.88	2447.88	1.73	-0.91	-1.47	
11181.00	89.40	89.11	8909.41	15.53	2482.87	2482.87	3.18	3.11	0.63	
11211.00	89.80	89.75	8909.62	15.83	2512.87	2512.87	2.52	1.33	2.13	
11242.00	88.83	90.31	8909.99	15.81	2543.86	2543.86	3.61	-3.13	1.81	
11274.00	88.54	89.62	8910.72	15.83	2575.86	2575.86	2.34	-0.91	-2.16	
11306.00	88.83	89.62	8911.46	16.05	2607.85	2607.85	0.91	0.91	0.00	
11338.00	87.68	89.50	8912.43	16.29	2639.83	2639.83	3.61	-3.59	-0.37	
11370.00	87.00	90.07	8913.91	16.41	2671.79	2671.79	2.77	-2.12	1.78	
11402.00	86.77	90.34	8915.65	16.30	2703.75	2703.75	1.11	-0.72	0.84	
11430.00	87.51	89.99	8917.05	16.22	2731.71	2731.71	2.92	2.64	-1.25	
11465.00	87.57	90.22	8918.55	16.15	2766.68	2766.68	0.68	0.17	0.66	
11497.00	87.06	90.14	8920.05	16.05	2798.64	2798.64	1.61	-1.59	-0.25	
11529.00	88.31	90.56	8921.34	15.86	2830.62	2830.62	4.12	3.91	1.31	
11560.00	89.11	91.46	8922.04	15.31	2861.60	2861.60	3.88	2.58	2.90	
11592.00	89.80	92.40	8922.35	14.23	2893.58	2893.58	3.64	2.16	2.94	
11623.00	90.09	92.40	8922.38	12.94	2924.56	2924.56	0.94	0.94	0.00	
11655.00	89.51	91.59	8922.49	11.82	2956.54	2956.54	3.11	-1.81	-2.53	
11696.00	90.20	91.16	8922.59	10.84	2997.52	2997.52	1.98	1.68	-1.05	
11728.00	90.26	91.45	8922.46	10.11	3029.52	3029.52	0.93	0.19	0.91	
11759.00	90.14	91.06	8922.36	9.43	3060.51	3060.51	1.32	-0.39	-1.26	
11791.00	89.91	90.80	8922.34	8.91	3092.50	3092.50	1.08	-0.72	-0.81	
11823.00	89.63	90.70	8922.47	8.49	3124.50	3124.50	0.93	-0.87	-0.31	
11855.00	89.00	90.82	8922.85	8.07	3156.50	3156.50	2.00	-1.97	0.37	
11887.00	88.08	91.17	8923.67	7.51	3188.48	3188.48	3.08	-2.87	1.09	
11919.00	87.80	91.01	8924.82	6.90	3220.45	3220.45	1.01	-0.87	-0.50	
11951.00	88.03	90.17	8925.98	6.57	3252.43	3252.43	2.72	0.72	-2.62	
11982.00	88.32	89.67	8926.97	6.62	3283.41	3283.41	1.86	0.94	-1.61	
12014.00	88.54	89.47	8927.85	6.86	3315.40	3315.40	0.93	0.69	-0.62	
12046.00	88.31	89.39	8928.73	7.18	3347.39	3347.39	0.76	-0.72	-0.25	
12110.00	88.60	88.03	8930.45	8.62	3411.35	3411.35	2.17	0.45	-2.12	
12142.00	87.91	87.90	8931.43	9.75	3443.31	3443.31	2.19	-2.16	-0.41	
12173.00	88.72	87.37	8932.34	11.03	3474.27	3474.27	3.12	2.61	-1.71	
12204.00	89.80	87.45	8932.74	12.43	3505.24	3505.24	3.49	3.48	0.26	
12236.00	90.26	87.33	8932.72	13.89	3537.20	3537.20	1.49	1.44	-0.37	
12269.00	89.91	87.38	8932.67	15.41	3570.17	3570.17	1.07	-1.06	0.15	
12300.00	89.29	87.16	8932.89	16.89	3601.13	3601.13	2.12	-2.00	-0.71	
12332.00	90.83	88.31	8932.86	18.15	3633.10	3633.10	6.01	4.81	3.59	
12364.00	91.74	88.86	8932.14	18.94	3665.09	3665.09	3.32	2.84	1.72	
12396.00	92.09	89.75	8931.07	19.33	3697.07	3697.07	2.99	1.09	2.78	
12428.00	92.25	89.42	8929.86	19.56	3729.04	3729.04	1.15	0.50	-1.03	
12460.00	92.08	89.40	8928.65	19.89	3761.02	3761.02	0.53	-0.53	-0.06	



Weatherford International Ltd.

SURVEY REPORT



Weatherford

Company: CIMAREX Date: 9/25/2008 Time: 21:58:02 Page: 4
Field: Chaves Co., NM (NAD27) Co-ordinate(NE) Reference: Well: #2, Grid North
Site: Yorktown 12 Fee #2 Vertical (TVD) Reference: SITE 4407.0
Well: #2 Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

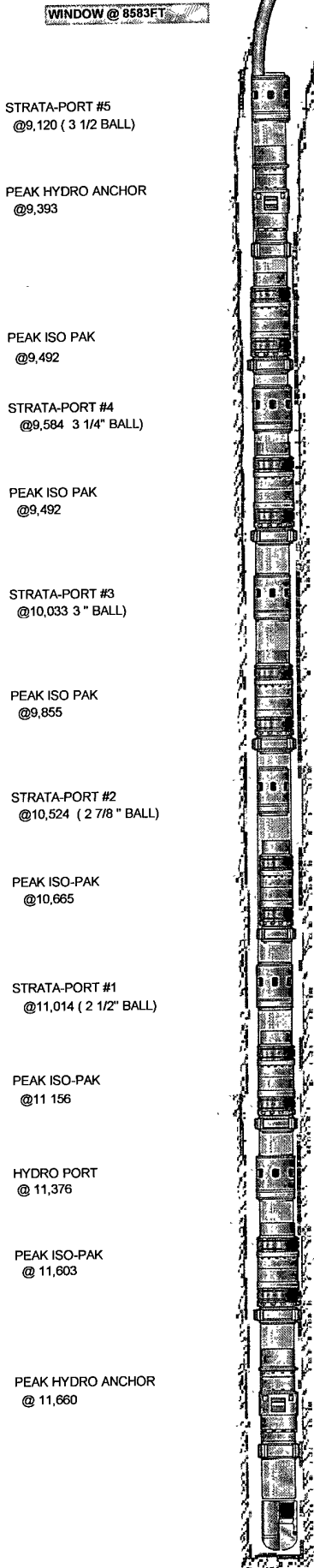
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
12492.00	91.85	89.46	8927.55	20.21	3793.00	3793.00	0.74	-0.72	0.19	
12524.00	91.52	89.60	8926.61	20.47	3824.98	3824.98	1.12	-1.03	0.44	
12555.00	91.52	89.44	8925.79	20.73	3855.97	3855.97	0.52	0.00	-0.52	
12587.00	91.28	88.93	8925.01	21.19	3887.96	3887.96	1.76	-0.75	-1.59	
12619.00	90.94	88.78	8924.39	21.83	3919.94	3919.94	1.16	-1.06	-0.47	
12651.00	91.11	88.81	8923.81	22.50	3951.93	3951.93	0.54	0.53	0.09	
12693.00	92.26	88.57	8922.58	23.46	3993.90	3993.90	2.80	2.74	-0.57	
12714.00	92.43	88.16	8921.72	24.06	4014.88	4014.88	2.11	0.81	-1.95	
12746.00	92.72	87.98	8920.28	25.13	4046.83	4046.83	1.07	0.91	-0.56	
12778.00	93.23	88.82	8918.62	26.03	4078.77	4078.77	3.07	1.59	2.62	
12810.00	93.39	88.60	8916.77	26.75	4110.71	4110.71	0.85	0.50	-0.69	
12842.00	93.68	88.05	8914.80	27.68	4142.63	4142.63	1.94	0.91	-1.72	
12873.00	93.68	87.75	8912.81	28.81	4173.55	4173.55	0.97	0.00	-0.97	
12905.00	93.69	88.12	8910.75	29.96	4205.46	4205.46	1.15	0.03	1.16	
12937.00	93.45	88.86	8908.76	30.80	4237.39	4237.39	2.43	-0.75	2.31	
12969.00	92.82	89.18	8907.01	31.35	4269.34	4269.34	2.21	-1.97	1.00	
13001.00	92.94	89.26	8905.40	31.79	4301.29	4301.29	0.45	0.37	0.25	
13033.00	92.26	89.68	8903.95	32.08	4333.26	4333.26	2.50	-2.12	1.31	
13065.00	91.97	89.56	8902.77	32.29	4365.24	4365.24	0.98	-0.91	-0.37	
13081.00	91.80	89.59	8902.24	32.41	4381.23	4381.23	1.08	-1.06	0.19	LAST SVY
13150.00	91.80	89.59	8900.08	32.91	4450.19	4450.19	0.00	0.00	0.00	PROJ. TO BIT

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
8525.20	8524.65	TIE-ON
13081.00	8902.24	LAST SVY
13150.00	8900.08	PROJ. TO BIT



DOWN HOLE WELL PROFILE					
WELL NAME		CIMAREX YORKTOWN 12 FEE #2H		DATE	9/28/08
SUPERVISOR		DAVID WADDELL		TOOL HAND	V.SAUCEDO
PHONE #				PHONE #	432-425-7995
RIG #		PATRIOT #4		FIELD TICKET #	11373
ELEVATIONS					
KB ELEV	GL ELEV	KB TO THF	KB TO SCF	RIG KBD	PBTD
				19	
CASING / OPEN HOLE LAYOUT	OD (IN)	LANDED DEPTH		WEIGHT(LB/FT)	TOP OF (FTKB)
CASING DESCRIPTION	7"			26	
WINDOW DESCRIPTION	8583			JUNCTION @	
OPEN HOLE DESCRIPTION	6 1/8				
DESCRIPTION					
PEAK HYDRO-PORT OPEN 4855 PSI					

TOTAL MEASURED DEPTH @
12017.00 ft

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** INSERT COMPANY **