

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMNM112920
2. Name of Operator CIMAREX ENERGY COMPANY OF CO		6. If Indian, Allottee or Tribe Name
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-620-1964		8. Well Name and No. RIVERBEND 14 FEDERAL COM 2H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 14 T25S R28E NENW 75FNL 1980FWL 32.081396 N Lat, 104.033637 W Lon		9. API Well No.
UNORTHODOX LOCATION		10. Field and Pool, or Exploratory WILDCAT
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex Energy respectfully requests changes to the original APD:

approved:
BHL: 660' FSL & 1980' FWL
PH 11200'
KOP 10052'
EOC 10802'
MD 14898'
TVD 10529'

Proposed:
BHL: 330' FSL & 1980' FWL

Accepted for record
NMOCD Tes
8-11-2014
NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 11 2014

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #252218 verified by the BLM Well Information System

For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad

Committed to AFMSS for processing by CHRISTOPHER WALLS on 08/04/2014 (14CRW0308SE)

Name (Printed/Typed) DEYSI FAVELA

Title DRILLING TECH

Signature

(Electronic Submission)

Date 07/09/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

APPROVED

AUG 4 2014

Is/ Chris Walls

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #252218 that would not fit on the form

32. Additional remarks, continued

PH 11200' No Change
KOP 10052' No Change
EOC 10802' No Change
MD 15227'
TVD 10529' No Change

We have filed for an NSL

DISTRICT I

1025 N. French Dr., Hobbs, NM 88240
Phone (505) 593-6161 Fax (505) 593-0720

DISTRICT II

811 S. First St., Artesia, NM 88210
Phone (505) 746-1200 Fax (505) 746-0720

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 834-8179 Fax (505) 334-8170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3460

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

□ AMENDED REPORT

API Number 30015-41589	Pool Code 97949	Pool Name WC Wolfcamp 2015 S2528150, WC (GAS)
Property Code 40059	Property Name RIVERBEND 14 FEDERAL COM	Well Number 2H
GRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 2939'

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	14	25 S	28 E		75	NORTH	1980	WEST	EDDY

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
N	14	25 S	28 E		330	SOUTH	1980	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320 W/2		2933.4' 2918.5'	

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

SURFACE LOCATION Lat - N 32°08'13.98" Long - W 104°03'36.37" NMSPCE - N 413760.3 E 625909.4 (NAD-83) NMNM13413 PROPOSED BOTTOM HOLE LOCATION Lat - N 32°07'25.44" Long - W 104°03'36.31" NMSPCE - N 408857.4 E 625926.6 (NAD-83)	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>Deysi Favela</i> 7/9/2014 Signature Date Deysi Favela Printed Name dfavela@cimarex.com Email Address
	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. AUGUST 24, 2012 Date Surveyed Signature of Professional Surveyor Certificate No. 7977 BASIN SURVEYS 27180



Cimarex

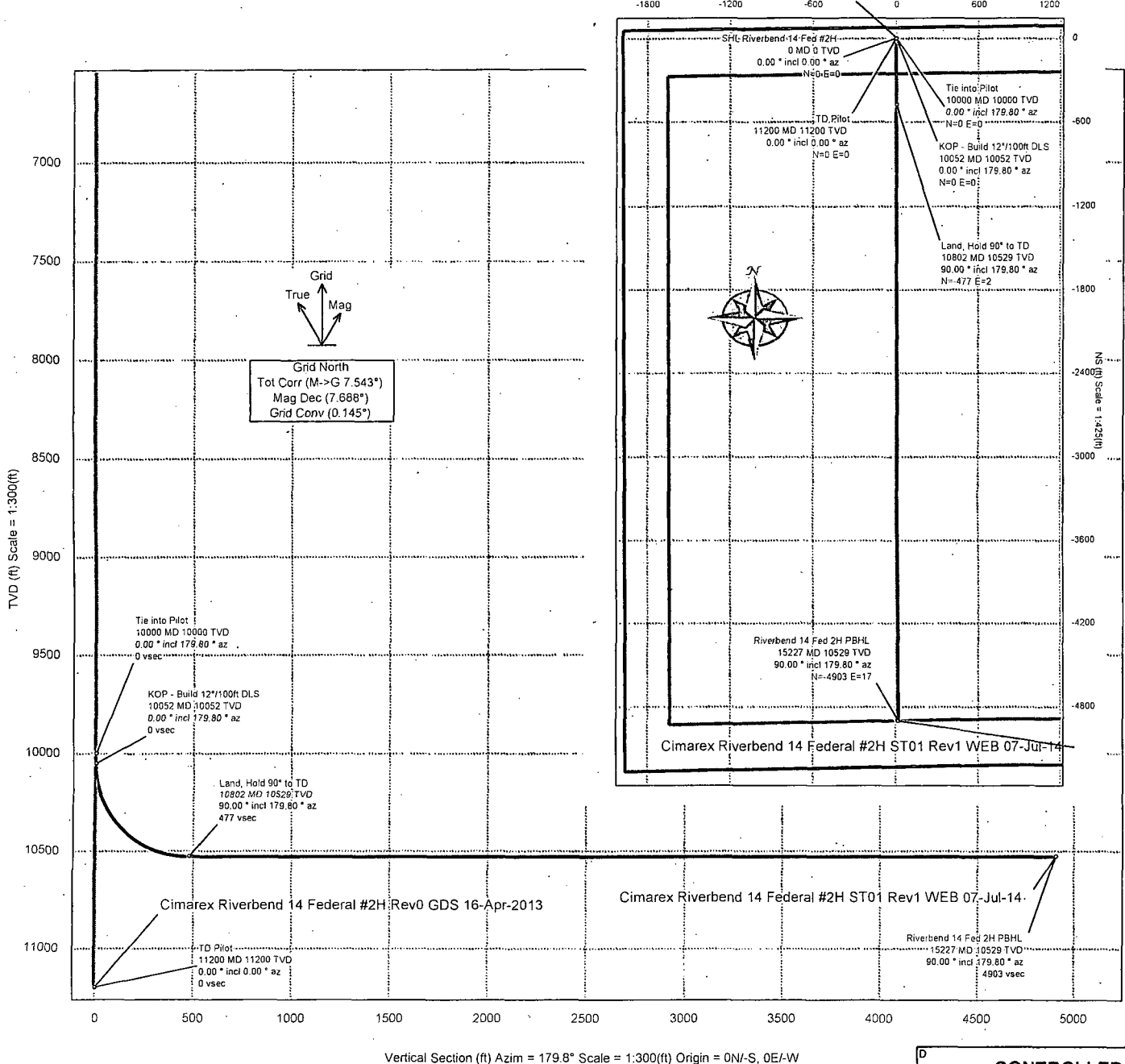
PATHFINDER
A Schlumberger Company

Borehole:	ST01	Well:	Riverbend 14 Federal #2H	Field:	NM Eddy County (NAD 83)	Structure:	TBD
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Gravity & Magnetic Parameters		Surface Location		Miscellaneous	
Model: BGGM 2014	Dip: 59.962°	Date: 07-Jul-2013	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Slot: Riverbend 14 Federal #2H	TVD Ref: Ground Level (2939ft above)
MagDec: 7.688°	FS: 48287.214mT	Gravity FS: 998.705mgm (9.80665 Based)	Lat: N 32 8 13.96 Northing: 413760.311US Grid Conv: 0.1453°	Plan: ST01 Rev1 WEB 07-Jul-14	
		Lon: W 104 3 36.37 Easting: 625909.411US Scale Fact: 0.99991728			

Cimarex Riverbend 14 Federal #2H Rev0 GDS 16-Apr-2013

EW (ft) Scale = 1:425(ft)



Critical Points							
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)
Tie into Pilot	10000.00	0.00	179.80	10000.00	0.00	0.00	0.00
KOP - Build 12°/100ft DLS	10051.54	0.00	179.80	10051.54	0.00	0.00	0.00
Land, Hold 90° to TD	10801.54	90.00	179.80	10529.00	477.46	-477.46	1.66
Riverbend 14 Fed 2H PBHL	15227.42	90.00	179.80	10529.00	4903.35	-4903.32	17.10

CONTROLLED		
Plan ref	Riverbend 14 Federal #2H ST01	
Drawing ref	Rev1 WEB 07-Jul-14	
Copy number	1 of 1	
Date	07-Jul-2014	
1	Originator	W. Blackman
2	DE Sign Off Authority	
3	D&M Line Manager	
4	Client	
Copy number		for



Cimarex Riverbend 14 Federal #2H ST01 Rev1 WEB 07-Jul-14 Proposal
Report 100' Interpolated
(Non-Def Plan)



Report Date: July 07, 2014 - 10:32 AM
Client: Cimarex
Field: NM Eddy County (NAD 83)
Structure / Slot: Cimarex Riverbend 14 Federal #2H / Cimarex Riverbend 14 Federal #2H
Well: Cimarex Riverbend 14 Federal #2H
Borehole: ST01
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Riverbend 14 Federal #2H ST01 Rev1 WEB 07-Jul-14
Survey Date: April 16, 2013
Tort / AHD / DDI / ERD Ratio: 90.000 ° / 4903.345 ft / 5.805 / 0.466
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 8' 13.95939", W 104° 3' 36.37088"
Location Grid N/E Y/X: N 413760.300 ftUS, E 625909.400 ftUS
CRS Grid Convergence Angle: 0.1453 °
Grid Scale Factor: 0.99991728
Version / Patch: 2.7.1043.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.800 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: Ground Level
TVD Reference Elevation: 2939.000 ft above
Seabed / Ground Elevation: 2939.000 ft above
Magnetic Declination: 7.688 °
Total Gravity Field Strength: 998.7054mgn (9.80665 Based)
Gravity Model: DOX
Total Magnetic Field Strength: 48287.214 nT
Magnetic Dip Angle: 59.962 °
Declination Date: July 07, 2013
Magnetic Declination Model: BGGM 2014
North Reference: Grid North
Grid Convergence Used: 0.1453 °
Total Corr Mag North->Grid North: 7.5423 °
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie into Pilot	10000.00	0.00	179.80	10000.00	0.00	0.00	0.00	N/A	413760.30	625909.40	N 32 8 13.96	W 104 3 36.37
KOP - Build	10051.54	0.00	179.80	10051.54	0.00	-0.00	0.00	0.00	413760.30	625909.40	N 32 8 13.96	W 104 3 36.37
12°/100ft DLS	10100.00	5.82	179.80	10099.92	2.46	-2.46	0.01	12.00	413757.84	625909.41	N 32 8 13.94	W 104 3 36.37
	10200.00	17.82	179.80	10197.62	22.90	-22.90	0.08	12.00	413737.41	625909.48	N 32 8 13.73	W 104 3 36.37
	10300.00	29.82	179.80	10288.94	63.20	-63.20	0.22	12.00	413697.11	625909.62	N 32 8 13.33	W 104 3 36.37
	10400.00	41.82	179.80	10369.88	121.61	-121.61	0.42	12.00	413638.70	625909.82	N 32 8 12.76	W 104 3 36.37
	10500.00	53.82	179.80	10436.91	195.57	-195.57	0.68	12.00	413564.74	625910.08	N 32 8 12.02	W 104 3 36.37
	10600.00	65.82	179.80	10487.10	281.86	-281.85	0.98	12.00	413478.47	625910.38	N 32 8 11.17	W 104 3 36.37
	10700.00	77.82	179.80	10518.25	376.69	-376.69	1.31	12.00	413383.65	625910.71	N 32 8 10.23	W 104 3 36.37
	10800.00	89.82	179.80	10529.00	475.92	-475.92	1.66	12.00	413284.42	625911.06	N 32 8 9.25	W 104 3 36.37
Land, Hold 90° to TD	10801.54	90.00	179.80	10529.00	477.46	-477.46	1.66	12.00	413282.88	625911.06	N 32 8 9.23	W 104 3 36.37
	10900.00	90.00	179.80	10529.00	575.92	-575.92	2.01	0.00	413184.43	625911.41	N 32 8 8.26	W 104 3 36.36
	11000.00	90.00	179.80	10529.00	675.92	-675.92	2.36	0.00	413084.44	625911.76	N 32 8 7.27	W 104 3 36.36
	11100.00	90.00	179.80	10529.00	775.92	-775.92	2.70	0.00	412984.45	625912.10	N 32 8 6.28	W 104 3 36.36
	11200.00	90.00	179.80	10529.00	875.92	-875.92	3.05	0.00	412884.45	625912.45	N 32 8 5.29	W 104 3 36.36
	11300.00	90.00	179.80	10529.00	975.92	-975.92	3.40	0.00	412784.46	625912.80	N 32 8 4.30	W 104 3 36.36
	11400.00	90.00	179.80	10529.00	1075.92	-1075.92	3.75	0.00	412684.47	625913.15	N 32 8 3.31	W 104 3 36.36
	11500.00	90.00	179.80	10529.00	1175.92	-1175.92	4.10	0.00	412584.48	625913.50	N 32 8 2.32	W 104 3 36.36
	11600.00	90.00	179.80	10529.00	1275.92	-1275.92	4.45	0.00	412484.49	625913.85	N 32 8 1.33	W 104 3 36.36
	11700.00	90.00	179.80	10529.00	1375.92	-1375.92	4.80	0.00	412384.50	625914.20	N 32 8 0.34	W 104 3 36.36

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
	11800.00	90.00	179.80	10529.00	1475.92	-1475.92	5.15	0.00	412284.51	625914.55	N 32 7 59.35	W 104 3 36.35
	11900.00	90.00	179.80	10529.00	1575.92	-1575.92	5.50	0.00	412184.52	625914.89	N 32 7 58.37	W 104 3 36.35
	12000.00	90.00	179.80	10529.00	1675.92	-1675.91	5.84	0.00	412084.53	625915.24	N 32 7 57.38	W 104 3 36.35
	12100.00	90.00	179.80	10529.00	1775.92	-1775.91	6.19	0.00	411984.54	625915.59	N 32 7 56.39	W 104 3 36.35
	12200.00	90.00	179.80	10529.00	1875.92	-1875.91	6.54	0.00	411884.55	625915.94	N 32 7 55.40	W 104 3 36.35
	12300.00	90.00	179.80	10529.00	1975.92	-1975.91	6.89	0.00	411784.55	625916.29	N 32 7 54.41	W 104 3 36.35
	12400.00	90.00	179.80	10529.00	2075.92	-2075.91	7.24	0.00	411684.56	625916.64	N 32 7 53.42	W 104 3 36.35
	12500.00	90.00	179.80	10529.00	2175.92	-2175.91	7.59	0.00	411584.57	625916.99	N 32 7 52.43	W 104 3 36.35
	12600.00	90.00	179.80	10529.00	2275.92	-2275.91	7.94	0.00	411484.58	625917.34	N 32 7 51.44	W 104 3 36.35
	12700.00	90.00	179.80	10529.00	2375.92	-2375.91	8.29	0.00	411384.59	625917.68	N 32 7 50.45	W 104 3 36.34
	12800.00	90.00	179.80	10529.00	2475.92	-2475.91	8.63	0.00	411284.60	625918.03	N 32 7 49.46	W 104 3 36.34
	12900.00	90.00	179.80	10529.00	2575.92	-2575.91	8.98	0.00	411184.61	625918.38	N 32 7 48.47	W 104 3 36.34
	13000.00	90.00	179.80	10529.00	2675.92	-2675.91	9.33	0.00	411084.62	625918.73	N 32 7 47.48	W 104 3 36.34
	13100.00	90.00	179.80	10529.00	2775.92	-2775.91	9.68	0.00	410984.63	625919.08	N 32 7 46.49	W 104 3 36.34
	13200.00	90.00	179.80	10529.00	2875.92	-2875.91	10.03	0.00	410884.64	625919.43	N 32 7 45.50	W 104 3 36.34
	13300.00	90.00	179.80	10529.00	2975.92	-2975.91	10.38	0.00	410784.65	625919.78	N 32 7 44.51	W 104 3 36.34
	13400.00	90.00	179.80	10529.00	3075.92	-3075.91	10.73	0.00	410684.65	625920.13	N 32 7 43.52	W 104 3 36.34
	13500.00	90.00	179.80	10529.00	3175.92	-3175.91	11.08	0.00	410584.66	625920.48	N 32 7 42.53	W 104 3 36.34
	13600.00	90.00	179.80	10529.00	3275.92	-3275.90	11.42	0.00	410484.67	625920.82	N 32 7 41.54	W 104 3 36.33
	13700.00	90.00	179.80	10529.00	3375.92	-3375.90	11.77	0.00	410384.68	625921.17	N 32 7 40.55	W 104 3 36.33
	13800.00	90.00	179.80	10529.00	3475.92	-3475.90	12.12	0.00	410284.69	625921.52	N 32 7 39.56	W 104 3 36.33
	13900.00	90.00	179.80	10529.00	3575.92	-3575.90	12.47	0.00	410184.70	625921.87	N 32 7 38.57	W 104 3 36.33
	14000.00	90.00	179.80	10529.00	3675.92	-3675.90	12.82	0.00	410084.71	625922.22	N 32 7 37.59	W 104 3 36.33
	14100.00	90.00	179.80	10529.00	3775.92	-3775.90	13.17	0.00	409984.72	625922.57	N 32 7 36.60	W 104 3 36.33
	14200.00	90.00	179.80	10529.00	3875.92	-3875.90	13.52	0.00	409884.73	625922.92	N 32 7 35.61	W 104 3 36.33
	14300.00	90.00	179.80	10529.00	3975.92	-3975.90	13.87	0.00	409784.74	625923.27	N 32 7 34.62	W 104 3 36.33
	14400.00	90.00	179.80	10529.00	4075.92	-4075.90	14.22	0.00	409684.75	625923.61	N 32 7 33.63	W 104 3 36.33
	14500.00	90.00	179.80	10529.00	4175.92	-4175.90	14.56	0.00	409584.75	625923.96	N 32 7 32.64	W 104 3 36.32
	14600.00	90.00	179.80	10529.00	4275.92	-4275.90	14.91	0.00	409484.76	625924.31	N 32 7 31.65	W 104 3 36.32
	14700.00	90.00	179.80	10529.00	4375.92	-4375.90	15.26	0.00	409384.77	625924.66	N 32 7 30.66	W 104 3 36.32
	14800.00	90.00	179.80	10529.00	4475.92	-4475.90	15.61	0.00	409284.78	625925.01	N 32 7 29.67	W 104 3 36.32
	14900.00	90.00	179.80	10529.00	4575.92	-4575.90	15.96	0.00	409184.79	625925.36	N 32 7 28.68	W 104 3 36.32
	15000.00	90.00	179.80	10529.00	4675.92	-4675.90	16.31	0.00	409084.80	625925.71	N 32 7 27.69	W 104 3 36.32
	15100.00	90.00	179.80	10529.00	4775.92	-4775.90	16.66	0.00	408984.81	625926.06	N 32 7 26.70	W 104 3 36.32
	15200.00	90.00	179.80	10529.00	4875.92	-4875.90	17.01	0.00	408884.82	625926.40	N 32 7 25.71	W 104 3 36.32
Riverbend 14 Fed 2H PBHL	15227.42	90.00	179.80	10529.00	4903.35	-4903.32	17.10	0.00	408857.40	625926.50	N 32 7 25.44	W 104 3 36.32

Survey Type: Non-Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	10000.000	1/100.000	30.000	30.000	SLB_MWD-POOR	Original Borehole / Cimarex Riverbend 14 Federal #2H Rev0

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
		1	10000.000	15227.420	1/100.000	30.000	30.000	SLB_MWD-POOR			ST01 / Cimarex Riverbend 14 Federal #2H ST01 Rev1 WEB 07-	