

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. NMNM100332
2. Name of Operator CIMAREX ENERGY COMPANY OF CO		6. If Indian, Allottee or Tribe Name
Contact: TERRI STATHEM E-Mail: tstathe@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1936	8. Well Name and No. SCOTER 6 FEDERAL 2
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T25S R27E SESE 810FSL 330FEL		9. API Well No. 30-015-39788-00-X1
		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 approval to change the BHL & TD for the Scoter 6 Federal #2 well as follows:

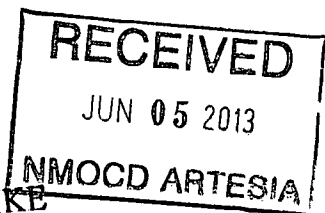
Approved BHL: 660' FSL & 330' FWL, Sec. 6, 25S, 27E

Proposed BHL: 330' FNL & 430' FEL, Sec. 6, 25S, 27E
Proposed TD: 11421' MD, 7493' TVD

Revised C102 & directional plan attached for review and approval.

Accepted for record
NMOCD/RS/Scale 6/7/13

SUBJECT TO LIKE
APPROVAL BY STATE



14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #208218 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by JOHNNY DICKERSON on 05/24/2013 (13JLD0853SE)	
Name (Printed/Typed) TERRI STATHEM	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 05/22/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By (BLM Approver Not Specified)	Title	APPROVED	Date 05/31/2013
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 Carlsbad	MAY 31 2013	Is/ Chris Walls
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 #208218 that would not fit on the form

32. Additional remarks, continued

Please also change the lease name to Scoter 6 Federal ²

well

DISTRICT I
1625 N. French Dr., Hobbs, NM 80240

DISTRICT II
1501 W. Grand Avenue, Artesia, NM 80210

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 Department

Form C-102
Revised July 16, 2010

Submit one copy to appropriate
District Office

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30015-39788	Pool Code 96403	Pool Name Bone Spring Wildcat
Property Code	Property Name SCOTER "6" FEDERAL	Well Number 2
GRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3345'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	6	25 S	27 E		810	SOUTH	330	EAST	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
LOT 1	6	25 S	27 E		330	NORTH	430	EAST	EDDY
Dedicated Acres 159.09	Joint or Infill	Consolidation Code	Order No.						

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

LOT 4	LOT 3	LOT 2	LOT 1	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>[Signature]</i> 3/22/13 Date Signature: Terri Statham Printed Name: _____ Email Address: tstatham@cimarex.com 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. <i>[Signature]</i> Date Surveyed: NOVEMBER 16, 2010 Signature & Seal of Professional Surveyor: <i>[Seal]</i> Certificate No. Gary L. Jones 7977 BASIN SURVEYS 23705
LOT 5		PROPOSED BOTTOM HOLE LOCATION Lat - N 32°09'55.65" Long - W 104°13'21.63" HMSPCE- N 423948.7 E 575578.6 (NAD-83)		
LOT 6				
LOT 7		SURFACE LOCATION Lat - N 32°09'14.795" Long - W 104°13'19.484" NMSPCE- N 419818.2 E 575767.2 (NAD-83)		



Critical Point	Critical Points							
	MD	INCL	AZIM	YD	VSEC	N(±)/S(-)	E(±)/W(-)	DLS
SHL Scoter Fed Com #2H	0.00	0.00	357.38	0.00	0.00	0.00	0.00	
KOP - Build@ 12°/100' DLS	7015.00	0.00	357.38	7015.00	0.00	0.00	0.00	0.00
Landing Point	7765.84	90.00	357.38	7493.00	478.00	477.50	-21.82	11.99
Cinnarex Scoter 6 Federal Com #2H PBHL	11421.02	90.00	357.38	7493.00	4133.18	4128.88	-188.62	0.00



Cimarex Scoter 6 Federal Com #2H Rev0 RJS 30-Apr-13 Proposal Report



(Non-Def Plan)

Report Date: May 01, 2013 - 04:51 PM
 Client: Cimarex
 Field: NM Eddy County (NAD 83)
 Structure / Slot: TBD / Cimarex Scoter 6 Federal Com #2H
 Well: Cimarex Scoter 6 Federal Com #2H
 Borehole: Original Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Cimarex Scoter 6 Federal Com #2H Rev0 RJS 30-Apr-13
 Survey Date: April 30, 2013
 Tort / AHD / DDI / ERD Ratio: 90.001 * / 4133.184 ft / 5.754 / 0.552
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 9' 14.79500", W 104° 13' 19.48458"
 Location Grid N/E Y/X: N 419818.200 ftUS, E 575767.200 ftUS
 CRS Grid Convergence Angle: 0.0592 *
 Grid Scale Factor: 0.99991045

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 357.384 * (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: Ground Level
 TVD Reference Elevation: 3345.000 ft above
 Seabed / Ground Elevation: 3345.000 ft above
 Magnetic Declination: 7.754 *
 Total Gravity Field Strength: 998.4871mgn (9.80665 Based)
 Total Magnetic Field Strength: 48281.837 nT
 Magnetic Dip Angle: 59.914 *
 Declination Date: April 30, 2013
 Magnetic Declination Model: BGGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.0592 *
 Total Corr Mag North->Grid North: 7.6943 *
 Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)
SHL Scoter Fed Com #2H	0.00	0.00	357.38	0.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	N/A
	100.00	0.00	357.38	100.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	200.00	0.00	357.38	200.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	300.00	0.00	357.38	300.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	400.00	0.00	357.38	400.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	500.00	0.00	357.38	500.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	600.00	0.00	357.38	600.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	700.00	0.00	357.38	700.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	800.00	0.00	357.38	800.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	900.00	0.00	357.38	900.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	1000.00	0.00	357.38	1000.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	1100.00	0.00	357.38	1100.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	1200.00	0.00	357.38	1200.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	1300.00	0.00	357.38	1300.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	1400.00	0.00	357.38	1400.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	1500.00	0.00	357.38	1500.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	1600.00	0.00	357.38	1600.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	1700.00	0.00	357.38	1700.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	1800.00	0.00	357.38	1800.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	1900.00	0.00	357.38	1900.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	2000.00	0.00	357.38	2000.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	2100.00	0.00	357.38	2100.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	2200.00	0.00	357.38	2200.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	2300.00	0.00	357.38	2300.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	2400.00	0.00	357.38	2400.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	2500.00	0.00	357.38	2500.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	2600.00	0.00	357.38	2600.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	2700.00	0.00	357.38	2700.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	2800.00	0.00	357.38	2800.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)
	2900.00	0.00	357.38	2900.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	3000.00	0.00	357.38	3000.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	3100.00	0.00	357.38	3100.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	3200.00	0.00	357.38	3200.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	3300.00	0.00	357.38	3300.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	3400.00	0.00	357.38	3400.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	3500.00	0.00	357.38	3500.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	3600.00	0.00	357.38	3600.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	3700.00	0.00	357.38	3700.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	3800.00	0.00	357.38	3800.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	3900.00	0.00	357.38	3900.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	4000.00	0.00	357.38	4000.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	4100.00	0.00	357.38	4100.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	4200.00	0.00	357.38	4200.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	4300.00	0.00	357.38	4300.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	4400.00	0.00	357.38	4400.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	4500.00	0.00	357.38	4500.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	4600.00	0.00	357.38	4600.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	4700.00	0.00	357.38	4700.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	4800.00	0.00	357.38	4800.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	4900.00	0.00	357.38	4900.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	5000.00	0.00	357.38	5000.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	5100.00	0.00	357.38	5100.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	5200.00	0.00	357.38	5200.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	5300.00	0.00	357.38	5300.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	5400.00	0.00	357.38	5400.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	5500.00	0.00	357.38	5500.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	5600.00	0.00	357.38	5600.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	5700.00	0.00	357.38	5700.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	5800.00	0.00	357.38	5800.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	5900.00	0.00	357.38	5900.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	6000.00	0.00	357.38	6000.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	6100.00	0.00	357.38	6100.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	6200.00	0.00	357.38	6200.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	6300.00	0.00	357.38	6300.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	6400.00	0.00	357.38	6400.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	6500.00	0.00	357.38	6500.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	6600.00	0.00	357.38	6600.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	6700.00	0.00	357.38	6700.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	6800.00	0.00	357.38	6800.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	6900.00	0.00	357.38	6900.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	7000.00	0.00	357.38	7000.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
	7015.00	0.00	357.38	7015.00	0.00	0.00	0.00	419818.20	575767.20	N 32 9 14.80	W 104 13 19.48	0.00	0.00	0.00
KOP - Build @ 12"/100' DLS	7100.00	10.19	357.38	7099.55	7.54	7.53	-0.34	419825.73	575766.88	N 32 9 14.87	W 104 13 19.49	7.54	357.38	11.99
	7200.00	22.18	357.38	7195.42	35.36	35.32	-1.61	419853.52	575765.59	N 32 9 15.14	W 104 13 19.50	35.36	357.38	11.99
	7300.00	34.16	357.38	7283.41	82.48	82.39	-3.76	419900.58	575763.44	N 32 9 15.61	W 104 13 19.53	82.48	357.38	11.99
	7400.00	46.15	357.38	7359.70	146.84	146.69	-6.70	419964.88	575760.50	N 32 9 16.25	W 104 13 19.56	146.84	357.38	11.99
	7500.00	58.13	357.38	7420.96	225.65	225.42	-10.30	420043.60	575756.90	N 32 9 17.03	W 104 13 19.60	225.65	357.38	11.99
	7600.00	70.12	357.38	7464.52	315.47	315.14	-14.40	420133.31	575752.80	N 32 9 17.91	W 104 13 19.65	315.47	357.38	11.99
	7700.00	82.11	357.38	7488.47	412.37	411.94	-18.82	420230.10	575748.38	N 32 9 18.87	W 104 13 19.70	412.37	357.38	11.99
Landing Point	7765.84	90.00	357.38	7493.00	478.00	477.50	-21.82	420295.66	575745.39	N 32 9 19.52	W 104 13 19.73	478.00	357.38	11.99
	7800.00	90.00	357.38	7493.00	512.16	511.63	-23.38	420329.78	575743.83	N 32 9 19.86	W 104 13 19.75	512.16	357.38	0.00
	7900.00	90.00	357.38	7493.00	612.16	611.52	-27.94	420429.67	575739.26	N 32 9 20.85	W 104 13 19.80	612.16	357.38	0.00
	8000.00	90.00	357.38	7493.00	712.16	711.42	-32.50	420529.55	575734.70	N 32 9 21.83	W 104 13 19.85	712.16	357.38	0.00

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')	Closure (ft)	Closure Azimuth (°)	DLS (%/100ft)
	8100.00	90.00	357.38	7493.00	812.16	811.31	-37.07	420629.44	575730.14	N 32 9 22.82	W 104 13 19.91	812.16	357.38	0.00
	8200.00	90.00	357.38	7493.00	912.16	911.21	-41.63	420729.33	575725.57	N 32 9 23.81	W 104 13 19.96	912.16	357.38	0.00
	8300.00	90.00	357.38	7493.00	1012.16	1011.10	-46.19	420829.21	575721.01	N 32 9 24.80	W 104 13 20.01	1012.16	357.38	0.00
	8400.00	90.00	357.38	7493.00	1112.16	1111.00	-50.76	420929.10	575716.45	N 32 9 25.79	W 104 13 20.06	1112.16	357.38	0.00
	8500.00	90.00	357.38	7493.00	1212.16	1210.90	-55.32	421028.99	575711.89	N 32 9 26.78	W 104 13 20.11	1212.16	357.38	0.00
	8600.00	90.00	357.38	7493.00	1312.16	1310.79	-59.88	421128.87	575707.32	N 32 9 27.77	W 104 13 20.17	1312.16	357.38	0.00
	8700.00	90.00	357.38	7493.00	1412.16	1410.59	-64.45	421228.76	575702.76	N 32 9 28.75	W 104 13 20.22	1412.16	357.38	0.00
	8800.00	90.00	357.38	7493.00	1512.16	1510.58	-69.01	421328.65	575698.20	N 32 9 29.74	W 104 13 20.27	1512.16	357.38	0.00
	8900.00	90.00	357.38	7493.00	1612.16	1610.48	-73.57	421428.53	575693.63	N 32 9 30.73	W 104 13 20.32	1612.16	357.38	0.00
	9000.00	90.00	357.38	7493.00	1712.16	1710.38	-78.14	421528.42	575689.07	N 32 9 31.72	W 104 13 20.37	1712.16	357.38	0.00
	9100.00	90.00	357.38	7493.00	1812.16	1810.27	-82.70	421628.31	575684.51	N 32 9 32.71	W 104 13 20.42	1812.16	357.38	0.00
	9200.00	90.00	357.38	7493.00	1912.16	1910.17	-87.26	421728.19	575679.94	N 32 9 33.70	W 104 13 20.48	1912.16	357.38	0.00
	9300.00	90.00	357.38	7493.00	2012.16	2010.06	-91.83	421828.08	575675.38	N 32 9 34.69	W 104 13 20.53	2012.16	357.38	0.00
	9400.00	90.00	357.38	7493.00	2112.16	2109.96	-96.39	421927.97	575670.82	N 32 9 35.67	W 104 13 20.58	2112.16	357.38	0.00
	9500.00	90.00	357.38	7493.00	2212.16	2209.85	-100.95	422027.85	575666.26	N 32 9 36.66	W 104 13 20.63	2212.16	357.38	0.00
	9600.00	90.00	357.38	7493.00	2312.16	2309.75	-105.52	422127.74	575661.69	N 32 9 37.65	W 104 13 20.68	2312.16	357.38	0.00
	9700.00	90.00	357.38	7493.00	2412.16	2409.65	-110.08	422227.63	575657.13	N 32 9 38.64	W 104 13 20.74	2412.16	357.38	0.00
	9800.00	90.00	357.38	7493.00	2512.16	2509.54	-114.64	422327.51	575652.57	N 32 9 39.63	W 104 13 20.79	2512.16	357.38	0.00
	9900.00	90.00	357.38	7493.00	2612.16	2609.44	-119.21	422427.40	575648.00	N 32 9 40.62	W 104 13 20.84	2612.16	357.38	0.00
	10000.00	90.00	357.38	7493.00	2712.16	2709.33	-123.77	422527.29	575643.44	N 32 9 41.61	W 104 13 20.89	2712.16	357.38	0.00
	10100.00	90.00	357.38	7493.00	2812.16	2809.23	-128.33	422627.17	575638.88	N 32 9 42.59	W 104 13 20.94	2812.16	357.38	0.00
	10200.00	90.00	357.38	7493.00	2912.16	2909.13	-132.90	422727.06	575634.32	N 32 9 43.58	W 104 13 21.00	2912.16	357.38	0.00
	10300.00	90.00	357.38	7493.00	3012.16	3009.02	-137.46	422826.95	575629.75	N 32 9 44.57	W 104 13 21.05	3012.16	357.38	0.00
	10400.00	90.00	357.38	7493.00	3112.16	3108.92	-142.02	422926.83	575625.19	N 32 9 45.56	W 104 13 21.10	3112.16	357.38	0.00
	10500.00	90.00	357.38	7493.00	3212.16	3208.81	-146.59	423026.72	575620.63	N 32 9 46.55	W 104 13 21.15	3212.16	357.38	0.00
	10600.00	90.00	357.38	7493.00	3312.16	3308.71	-151.15	423126.61	575616.06	N 32 9 47.54	W 104 13 21.20	3312.16	357.38	0.00
	10700.00	90.00	357.38	7493.00	3412.16	3408.60	-155.71	423226.49	575611.50	N 32 9 48.53	W 104 13 21.26	3412.16	357.38	0.00
	10800.00	90.00	357.38	7493.00	3512.16	3508.50	-160.28	423326.38	575606.94	N 32 9 49.51	W 104 13 21.31	3512.16	357.38	0.00
	10900.00	90.00	357.38	7493.00	3612.16	3608.40	-164.84	423426.27	575602.37	N 32 9 50.50	W 104 13 21.36	3612.16	357.38	0.00
	11000.00	90.00	357.38	7493.00	3712.16	3708.29	-169.40	423526.15	575597.81	N 32 9 51.49	W 104 13 21.41	3712.16	357.38	0.00
	11100.00	90.00	357.38	7493.00	3812.16	3808.19	-173.97	423626.04	575593.25	N 32 9 52.48	W 104 13 21.46	3812.16	357.38	0.00
	11200.00	90.00	357.38	7493.00	3912.16	3908.08	-178.53	423725.93	575588.69	N 32 9 53.47	W 104 13 21.51	3912.16	357.38	0.00
	11300.00	90.00	357.38	7493.00	4012.16	4007.98	-183.09	423825.81	575584.12	N 32 9 54.46	W 104 13 21.57	4012.16	357.38	0.00
	11400.00	90.00	357.38	7493.00	4112.16	4107.88	-187.66	423925.70	575579.56	N 32 9 55.45	W 104 13 21.62	4112.16	357.38	0.00
Cimarex Scoter 6 Federal Com #2H PBHL	11421.02	90.00	357.38	7493.00	4133.18	4128.88	-188.62	423946.70	575575.90	N 32 9 55.65	W 104 13 21.63	4133.18	357.38	0.00

Survey Type: Non-Def Plan

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

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	11421.025	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Cimarex Scoter 6 Federal Com #2H Rev0