

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED
OMB NO 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5 Lease Serial No NM-560378																			
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Res.		6 If Indian, Allottee or Tribe Name																			
2 Name of Operator Cimarex Energy Co of Colorado		7 Unit or CA Agreement Name and No																			
3 Address PO Box 140907, Irving, TX 75014		8 Lease Name and Well No Shifting Sands 15 Federal Com No 1																			
3a Phone No (include area code) 972-443-6489		9 API Well No 30-015-35386																			
4 Location of Well (Report Location clearly and in accordance with Federal requirements)* At surface 2260' FNL & 2150' FWL At top prod interval reported below 2260' FNL & 2150' FWL At total depth 2260' FNL & 2150' FWL		10 Field and Pool, or Exploratory Henshaw; Morrow 11 Sec, T., R., M, on Block and Survey or Area 15-16S-30E 12 County or Parish Eddy 13 State NM																			
14 Date Spudded 02 02 07		15 Date T.D. Reached 03 03 07																			
16 Date Completed ☐ D & A ☒ Ready to Prod		17 Elevations (DF, RKB, RT, GL)* 3782' GR																			
18 Total Depth MD 10846' TVD		19 Plug Back TD MD 10757' TVD																			
20 Depth Bridge Plug Set MD TVD		21 Type Electric & Other Mechanical Logs Run (Submit copy of each) SDN, DLL, CBL																			
22 Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey ☒ No ☐ Yes (Submit copy)		23 Casing and Liner Record (Report all strings set in well)																			
Hole Size		Size/Grade		Wt (#/ft)		Top (MD)		Bottom (MD)		Stage Cementer Depth		No. of Sks. & Type of Cement		Slurry Vol (BBL)		Cement Top*		Amount Pulled			
17-1/2"		13-3/8" H-40		48		0		442'		NA		870 sx PremP/Howco Lite		14 5/12.5/14 8		0'					
11"		8-5/8" K-55		32		0		3140'		NA		660 sx IntC/PremP		11 9/14 8		0'					
7-7/8"		5-1/2" P-110		17		0		10846'		NA		1250 sx IntH/SupH		11 5/13 0		2800'					
24 Tubing Record		Size		Depth Set (MD)		Packer Depth (MD)		Size		Depth Set (MD)		Packer Depth (MD)		Size		Depth Set (MD)		Packer Depth (MD)			
2-3/8"		10217'		10217'																	
25 Producing Intervals		Formation		Top		Bottom		Perforated Interval		Size		No Holes		Perf Status							
A)		Henshaw, Morrow		10415'		10709'		10358'-10378' w/ TCP guns		0 33		90		Producing							
B)																					
C)																					
D)																					
27 Acid, Fracture, Treatment, Cement Squeeze, etc		Depth Interval		Amount and Type of Material																	
10358'-10378'				132,000 SCF N2																	
28 Production - Interval A		Date First Produced		Test Date		Hours Tested		Test Production		Oil BBL		Gas MCF		Water BBL		Oil Gravity Corr. API		Gas Gravity		Production Method	
04 04 07		04 20.07		24		→		23		418		0								Flowing	
Choke Size		Tbg Press Flwg		Csg. Press		24 Hr Rate		Oil BBL		Gas MCF		Water BBL		Gas/Oil Ratio		Well Status					
11/64		SI 1680		0		→								18174		Flowing					
28 Production - Interval B		Date First Produced		Test Date		Hours Tested		Test Production		Oil BBL		Gas MCF		Water BBL		Oil Gravity Corr. API		Gas Gravity		Production Method	
Choke Size		Tbg Press Flwg		Csg. Press		24 Hr Rate		Oil BBL		Gas MCF		Water BBL		Gas/Oil Ratio		Well Status					
		SI				→															

* (See instructions and spaces for additional data on page 2)

28b Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29 Disposition of Gas (*Sold, used for fuel, vented, etc*)

Sold

30 Summary of Porous Zones (Include Aquifers)				31 Formation (Log) Markers	
Show all important zones of porosity and contents thereof Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries					
Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top Meas Depth
				Yates	1,412
				Queen	2,200
				San Andres	2,910
				Glorieta	4,400
				Abo	6,415
				Wolfcamp	7,700
				Strawn	10,015
				Morrow	10,415
				Mississippian	10,710

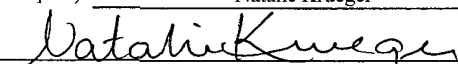
32 Additional remarks (include plugging procedure)

33 Indicate which items have been attached by placing a check in the appropriate boxes

☒ Electrical/Mechanical Logs (1 full set req'd)	☐ Geologic Report	☐ DST Report	☐ Directional Survey
☐ Sundry Notice for plugging and cement verification	☐ Core Analysis	☐ Other	

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (*please print*) Natalie Krueger Title Reg Analyst 1

Signature  Date June 12, 2007

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



CACTUS DRILLING COMPANY, L.L.C.
REPORT OF PROOF OF APPARENT DEVIATION
NEW MEXICO

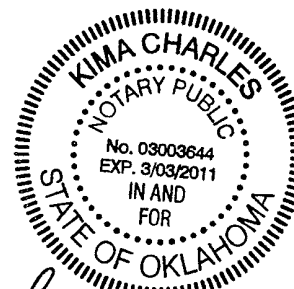
OPERATOR CIMAREX ENERGY CO OF COLORADO
600 EAST LAS COLINAS BLVD. STE 1100
IRVING, TX 75039

FIELD NAME _____
COUNTY/PARISH EDDY

WELL NAME & NO. SHIFTING SANDS 15 FED 1

LEGAL SEC 15-16S-30E

MEASURED DEPTH (FT)	COURSE LENGTH (HUNDREDS OF FT)	ANGLE OF INCLINATION (DEGREES)	DISPLACEMENT PER HUNDRED FT (SINE OF ANGLE X 100)	COURSE DISPLACEMENT (FEET)	ACCUMULATIVE DISPLACEMENT (FEET)	REMARKS
94	0.94	3/5	1.0472	0.98	0.98	
236	1.42	2/3	1.1519	1.64	2.62	
663	4.27	1 1/5	2.0768	8.87	11.49	
893	2.30	1/3	0.6283	1.45	12.93	
1328	4.35	1 1/9	1.9372	8.43	21.36	
1580	2.52	3/5	1.0646	2.68	24.04	
2035	4.55	3/8	0.6632	3.02	27.06	
2531	4.96	1 1/7	2.0070	9.95	37.02	
3400	8.69	1	1.7452	15.17	52.18	
3881	4.81	2	3.4899	16.79	68.97	
4160	2.79	2	3.4899	9.74	78.70	
4485	3.25	1	1.7452	5.67	84.38	
4854	3.69	1	1.7452	6.44	90.82	
5169	3.15	2	3.4899	10.99	101.81	
5243	0.74	1/2	0.8727	0.65	102.46	
5572	3.29	1 2/9	2.1291	7.00	109.46	
6004	4.32	1	1.7452	7.54	117.00	
6413	4.09	1	1.7452	7.14	124.14	
6667	2.54	1	1.7452	4.43	128.57	
6919	2.52	1 1/2	2.6177	6.60	135.17	
7211	2.92	1 1/2	2.6177	7.64	142.81	
7401	1.90	1	1.7452	3.32	146.13	
7654	2.53	1	1.7452	4.42	150.54	
7895	2.41	2	3.4899	8.41	158.95	
8015	1.20	1	1.7452	2.09	161.05	
8270	2.55	1	1.7452	4.45	165.50	
8458	1.88	1	1.7452	3.28	168.78	
8746	2.88	5/6	1.4311	4.12	172.90	
8985	2.39	1	1.7452	4.17	177.07	
9258	2.73	1	1.7452	4.76	181.84	
9542	2.84	1	1.7452	4.96	186.79	
9898	3.56	1	1.7452	6.21	193.01	
10216	3.18	1	1.7452	5.55	198.56	
10340	1.24	2 1/2	4.3619	5.41	203.96	
10470	1.30	1 1/2	2.6177	3.40	207.37	
10846	3.76	1 1/2	2.6177	9.84	217.21	



Kima Charles
3/22/07

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

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 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 30-015-35386	Pool Code 96826	Pool Name Henshaw; Morrow
Property Code	Property Name SHIFTING SANDS "15" FEDERAL COM	Well Number 1
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3782'

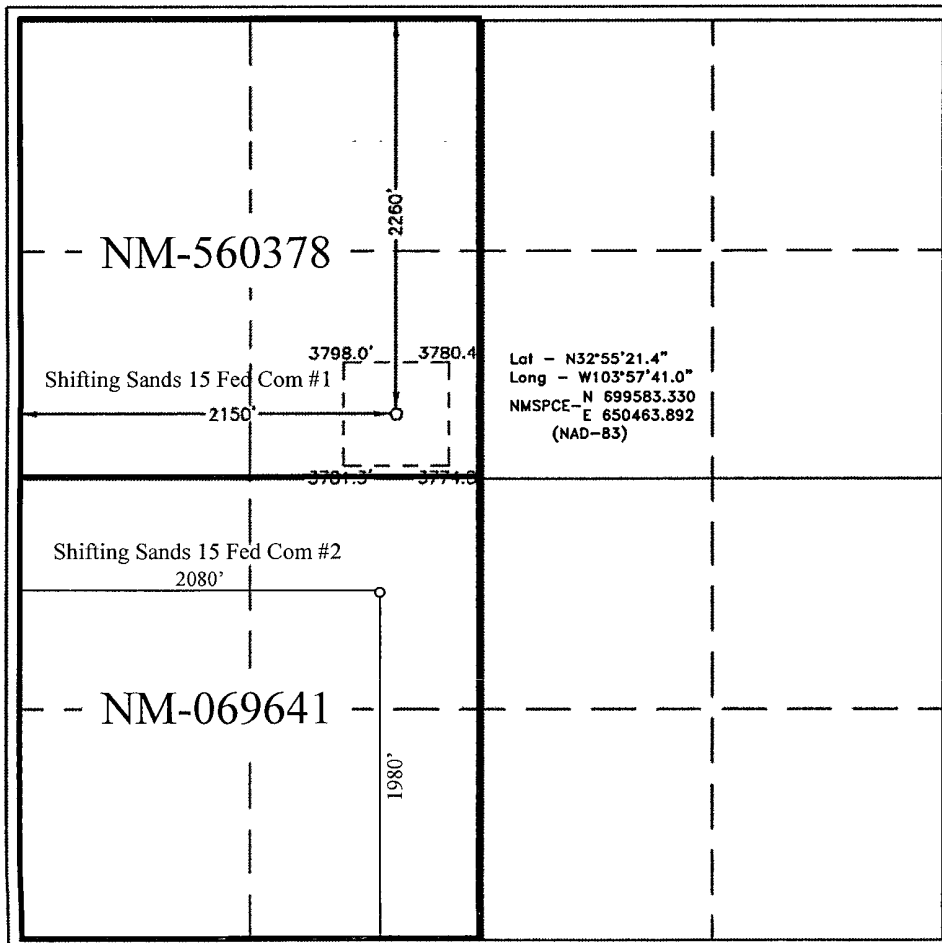
Surface Location

UL or lot No. F	Section 15	Township 16 S	Range 30 E	Lot Idn	Feet from the 2260	North/South line NORTH	Feet from the 2150	East/West line WEST	County EDDY
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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
Dedicated Acres 320	Joint or Infill Y	Consolidation Code P	Order No. NSL-5525						

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

	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 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>Zeno Farris</i> 06-12-07 Signature Date Zeno Farris Printed Name 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. SEPTEMBER 27, 2006 Date Surveyed <i>Gary L. Jones</i> Signature of Surveyor GARY L. JONES Professional Surveyor 7877 Certificate No. 206 Date of Survey 7977 Certificate No. BASIN SURVEYS
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