

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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.

HOBBS OCD

JUN 16 2014

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. JAMES FEDERAL 22H	
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: DEYSI FAVELA E-Mail: dfavela@cimarex.com		9. API Well No. 30-025-41363-00-X1	
3a. Address 600 NORTH MARIENFELD STREET, SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1964	10. Field and Pool, or Exploratory SAND DUNES	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T23S R32E NENE 185FNL 660FEL 32.165595 N Lat, 103.412496 W Lon		11. County or Parish, and State LEA 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 APD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 APD:

Directional Plan Change / BHL Move

Approved:
BHL 330' FSL & 660' FEL
KOP 10273'
EOC 11023'
MD 15275
TVD 10750'

Proposed:
BHL 330' FSL & 440' FEL

Original COAs still stand

14. I hereby certify that the foregoing is true and correct. Electronic Submission #244796 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs Committed to AFMSS for processing by LINDA JIMENEZ on 05/22/2014 (14LJ0167SE)	
Name (Printed/Typed) DEYSI FAVELA	Title DRILLING TECHNICIAN
Signature (Electronic Submission)	Date 05/07/2014
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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

JUN 27 2014

Additional data for EC transaction #244796 that would not fit on the form

32. Additional remarks, continued

KOP 10272'
EOC 11023' No Change
MD 15279'
TVD 10750' No Change

DISTRICT I
1835 N. French Dr., Hobbs, NM 88240
Phone (505) 333-0161 Fax (505) 333-0720

DISTRICT II
1221 W. Grand Avenue, Artesia, NM 88210
Phone (505) 942-1223 Fax (505) 146-0720

DISTRICT III
1000 Rio Brazos Rd., Artesia, NM 87410
Phone (505) 334-0170 Fax (505) 334-0170

DISTRICT IV
1225 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 470-2440 Fax (505) 470-2442

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 1, 2011

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 30-025-41363	Pool Code	Pool Name Sand Dunes; Bone Spring, South
Property Code	Property Name JAMES FEDERAL	Well Number 22
OCRD No. 215099	Operator Name CIMAREX ENERGY CO. OF	Elevation 3690

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	23 S	32 E		185	NORTH	660	EAST	LEA

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
P	29	23 S	32 E		330	SOUTH	440	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

N 467179.75 E 735457.36	N 467201.92 E 738092.06	SURFACE LOCATION Lot - N 32°16'55.95" Long - W 103°41'24.96" NMSPC - N 465996.5 E 740069.3 (NAD-83)	1 5 8 N 457218.39 E 740727.62 3690.6'	3691.2' 3693.3'	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> 4/29/2014 Signature Date Deysi Favela Printed Name dfavela@cimarex.com Email Address
N 464538.72 E 735473.56	N 464563.86 E 740745.77		NM0559539	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 Signature of Seal of Professional Surveyor Certificate No. Gary L. Jones 7977	
N 461896.56 E 735489.61	N 461920.30 E 738125.33	PROPOSED BOTTOM HOLE LOCATION Lot - N 32°16'09.16" Long - W 103°41'22.37" NMSPC - N 462269.2 E 740320.2 (NAD-83)	440'	330'	BASIN SURVEYS 28248

HOBBS OCD
JUN 16 2014
RECEIVED



Critical Points

<u>Critical Point</u>	<u>MD</u>	<u>INCL</u>	<u>AZIM</u>	<u>TVD</u>	<u>VSEC</u>	<u>N(=) / S(-)</u>	<u>E(=) / W(-)</u>	<u>DLS</u>
Tie-In ST01	10220.00	0.00	176.96	10220.00	0.00	0.00	0.00	
KOP - Build @ 12"/100' DLS	10272.00	0.00	176.96	10272.00	0.00	0.00	0.00	0.00
Landing Point	11022.84	90.00	176.96	10750.00	478.00	-477.33	25.35	11.99
PBHL James Federal #22H	15279.02	90.00	176.96	10750.00	4734.18	-4727.53	250.91	0.00



Cimarex James Federal #22H ST01 Rev1 RJS 5-May-2014 Proposal Report



(Non-Def Plan)

Report Date: May 05, 2014 - 02:22 PM
 Client: Cimarex
 Field: NM Lea County (NAD 83)
 Structure / Slot: TBD / Cimarex James Federal #22H
 Well: Cimarex James Federal #22H
 Borehole: ST01 Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Cimarex James Federal #22H ST01 Rev1 RJS 5-May-2014
 Survey Date: March 29, 2013
 Tort / AHD / DDI / ERD Ratio: 90.004 * / 4734.179 ft / 5.762 / 0.440
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 16' 55.5635", W 103° 41' 24.9605"
 Location Grid N/E Y/X: N 466996.500 RUS, E 740069.300 RUS
 CRS Grid Convergence Angle: 0.3435 *
 Grid Scale Factor: 0.99995432

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 176.962 * (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: Ground Level
 TVD Reference Elevation: 3690.000 ft above MSL
 Seabed / Ground Elevation: 3690.000 ft above MSL
 Magnetic Declination: 7.531 *
 Total Gravity Field Strength: 998.4647 mgn (9.80665 Based)
 Total Magnetic Field Strength: 48433.991 nT
 Magnetic Dip Angle: 60.134 *
 Declination Date: March 29, 2013
 Magnetic Declination Model: BGGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.3435 *
 Total Corr Mag North->Grid North: 7.1872 *
 Local Coord Referenced To: Structure Reference Point

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 (ft/100ft)
Cimarex James Federal #22 SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	466996.50	740069.30	N 32 16 55.96	W 103 41 24.96	0.00	0.00	N/A
Tie-In ST01	10220.00	0.00	176.96	10220.00	0.00	0.00	0.00	466996.50	740069.30	N 32 16 55.96	W 103 41 24.96	0.00	0.00	N/A
KOP - Build @ 12"/100 DLS	10272.00	0.00	176.96	10272.00	0.00	0.00	0.00	466996.50	740069.30	N 32 16 55.96	W 103 41 24.96	0.00	0.00	0.00
	10300.00	3.38	176.96	10299.98	0.82	-0.82	0.04	466995.68	740069.34	N 32 16 55.95	W 103 41 24.96	0.82	176.96	11.99
	10400.00	15.34	176.96	10398.48	17.04	-17.01	0.90	466979.49	740070.20	N 32 16 55.79	W 103 41 24.95	17.04	176.96	11.99
	10500.00	27.33	176.96	10491.45	53.35	-53.28	2.83	466943.22	740072.13	N 32 16 55.43	W 103 41 24.93	53.35	176.96	11.99
	10600.00	39.32	176.96	10574.86	108.19	-108.04	5.74	466888.47	740075.04	N 32 16 54.89	W 103 41 24.90	108.19	176.96	11.99
	10700.00	51.30	176.96	10645.05	179.15	-178.90	9.50	466817.61	740078.80	N 32 16 54.19	W 103 41 24.88	179.15	176.96	11.99
	10800.00	63.29	176.96	10698.99	263.14	-262.77	13.96	466733.74	740083.25	N 32 16 53.36	W 103 41 24.82	263.14	176.96	11.99
	10900.00	75.28	176.96	10734.30	356.51	-356.01	18.91	466640.51	740088.21	N 32 16 52.43	W 103 41 24.76	356.51	176.96	11.99
Landing Point	11000.00	87.26	176.96	10749.45	455.17	-454.53	24.14	466541.99	740093.44	N 32 16 51.46	W 103 41 24.71	455.17	176.96	11.99
	11022.84	90.00	176.96	10750.00	478.00	-477.33	25.35	466519.20	740094.65	N 32 16 51.23	W 103 41 24.70	478.00	176.96	11.99
	11100.00	90.00	176.96	10750.00	555.16	-554.38	29.44	466442.15	740098.74	N 32 16 50.47	W 103 41 24.66	555.16	176.96	0.00
	11200.00	90.00	176.96	10750.00	655.16	-654.24	34.74	466342.29	740104.04	N 32 16 49.48	W 103 41 24.60	655.16	176.96	0.00
	11300.00	90.00	176.96	10750.00	755.16	-754.10	40.05	466242.44	740109.35	N 32 16 48.49	W 103 41 24.55	755.16	176.96	0.00
	11400.00	90.00	176.96	10750.00	855.16	-853.96	45.35	466142.58	740114.65	N 32 16 47.50	W 103 41 24.49	855.16	176.96	0.00
	11500.00	90.00	176.96	10750.00	955.16	-953.82	50.65	466042.73	740119.95	N 32 16 46.52	W 103 41 24.44	955.16	176.96	0.00
	11600.00	90.00	176.96	10750.00	1055.16	-1053.67	55.96	465942.88	740125.25	N 32 16 45.53	W 103 41 24.38	1055.16	176.96	0.00
	11700.00	90.00	176.96	10750.00	1155.16	-1153.53	61.26	465843.02	740130.55	N 32 16 44.54	W 103 41 24.33	1155.16	176.96	0.00
	11800.00	90.00	176.96	10750.00	1255.16	-1253.39	66.56	465743.17	740135.86	N 32 16 43.55	W 103 41 24.27	1255.16	176.96	0.00
	11900.00	90.00	176.96	10750.00	1355.16	-1353.25	71.86	465643.31	740141.16	N 32 16 42.56	W 103 41 24.22	1355.16	176.96	0.00
	12000.00	90.00	176.96	10750.00	1455.16	-1453.11	77.16	465543.46	740146.46	N 32 16 41.57	W 103 41 24.16	1455.16	176.96	0.00
	12100.00	90.00	176.96	10750.00	1555.16	-1552.97	82.46	465443.60	740151.76	N 32 16 40.58	W 103 41 24.11	1555.16	176.96	0.00
	12200.00	90.00	176.96	10750.00	1655.16	-1652.83	87.77	465343.75	740157.06	N 32 16 39.60	W 103 41 24.05	1655.16	176.96	0.00
	12300.00	90.00	176.96	10750.00	1755.16	-1752.69	93.07	465243.89	740162.36	N 32 16 38.61	W 103 41 24.00	1755.16	176.96	0.00
	12400.00	90.00	176.96	10750.00	1855.16	-1852.55	98.37	465144.04	740167.66	N 32 16 37.62	W 103 41 23.94	1855.16	176.96	0.00
	12500.00	90.00	176.96	10750.00	1955.16	-1952.41	103.67	465044.18	740172.96	N 32 16 36.63	W 103 41 23.89	1955.16	176.96	0.00
	12600.00	90.00	176.96	10750.00	2055.16	-2052.27	108.97	464944.33	740178.26	N 32 16 35.64	W 103 41 23.83	2055.16	176.96	0.00
	12700.00	90.00	176.96	10750.00	2155.16	-2152.13	114.27	464844.47	740183.57	N 32 16 34.65	W 103 41 23.78	2155.16	176.96	0.00

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (NUS)	Easting (NUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')	Closure (ft)	Closure Azimuth (°)	DLS ("/100ft)
	12900.00	90.00	176.96	10750.00	2255.16	-2251.99	119.57	464744.62	740188.87	N 32 16 33.67	W 103 41 23.72	2255.16	176.96	0.00
	12900.00	90.00	176.96	10750.00	2355.16	-2351.85	124.87	464644.77	740194.17	N 32 16 32.68	W 103 41 23.67	2355.16	176.96	0.00
	13000.00	90.00	176.96	10750.00	2455.16	-2451.71	130.17	464544.91	740199.46	N 32 16 31.69	W 103 41 23.62	2455.16	176.96	0.00
	13100.00	90.00	176.96	10750.00	2555.16	-2551.57	135.47	464444.06	740204.76	N 32 16 30.70	W 103 41 23.58	2555.16	176.96	0.00
	13200.00	90.00	176.96	10750.00	2655.16	-2651.43	140.77	464345.20	740210.06	N 32 16 29.71	W 103 41 23.51	2655.16	176.96	0.00
	13300.00	90.00	176.96	10750.00	2755.16	-2751.28	146.07	464245.35	740215.36	N 32 16 28.72	W 103 41 23.45	2755.16	176.96	0.00
	13400.00	90.00	176.96	10750.00	2855.16	-2851.14	151.37	464145.49	740220.66	N 32 16 27.74	W 103 41 23.40	2855.16	176.96	0.00
	13500.00	90.00	176.96	10750.00	2955.16	-2951.00	156.67	464045.64	740225.96	N 32 16 26.75	W 103 41 23.34	2955.16	176.96	0.00
	13600.00	90.00	176.96	10750.00	3055.16	-3050.86	161.97	463945.78	740231.26	N 32 16 25.76	W 103 41 23.29	3055.16	176.96	0.00
	13700.00	90.00	176.96	10750.00	3155.16	-3150.72	167.27	463845.93	740236.56	N 32 16 24.77	W 103 41 23.23	3155.16	176.96	0.00
	13800.00	90.00	176.96	10750.00	3255.16	-3250.58	172.56	463746.07	740241.86	N 32 16 23.78	W 103 41 23.18	3255.16	176.96	0.00
	13900.00	90.00	176.96	10750.00	3355.16	-3350.44	177.86	463646.22	740247.15	N 32 16 22.79	W 103 41 23.12	3355.16	176.96	0.00
	14000.00	90.00	176.96	10750.00	3455.16	-3450.30	183.16	463546.36	740252.45	N 32 16 21.81	W 103 41 23.07	3455.16	176.96	0.00
	14100.00	90.00	176.96	10750.00	3555.16	-3550.16	188.46	463446.51	740257.75	N 32 16 20.82	W 103 41 23.01	3555.16	176.96	0.00
	14200.00	90.00	176.96	10750.00	3655.16	-3650.02	193.76	463346.65	740263.05	N 32 16 19.83	W 103 41 22.96	3655.16	176.96	0.00
	14300.00	90.00	176.96	10750.00	3755.16	-3749.88	199.06	463246.80	740268.35	N 32 16 18.84	W 103 41 22.90	3755.16	176.96	0.00
	14400.00	90.00	176.96	10750.00	3855.16	-3849.74	204.35	463146.94	740273.64	N 32 16 17.85	W 103 41 22.85	3855.16	176.96	0.00
	14500.00	90.00	176.96	10750.00	3955.16	-3949.60	209.65	463047.09	740278.94	N 32 16 16.86	W 103 41 22.79	3955.16	176.96	0.00
	14600.00	90.00	176.96	10750.00	4055.16	-4049.46	214.95	462947.23	740284.24	N 32 16 15.87	W 103 41 22.74	4055.16	176.96	0.00
	14700.00	90.00	176.96	10750.00	4155.16	-4149.32	220.24	462847.38	740289.53	N 32 16 14.89	W 103 41 22.68	4155.16	176.96	0.00
	14800.00	90.00	176.96	10750.00	4255.16	-4249.18	225.54	462747.52	740294.83	N 32 16 13.90	W 103 41 22.63	4255.16	176.96	0.00
	14900.00	90.00	176.96	10750.00	4355.16	-4349.04	230.84	462647.67	740300.13	N 32 16 12.91	W 103 41 22.58	4355.16	176.96	0.00
	15000.00	90.00	176.96	10750.00	4455.16	-4448.90	236.13	462547.82	740305.42	N 32 16 11.92	W 103 41 22.52	4455.16	176.96	0.00
	15100.00	90.00	176.96	10750.00	4555.16	-4548.76	241.43	462447.96	740310.72	N 32 16 10.93	W 103 41 22.47	4555.16	176.96	0.00
	15200.00	90.00	176.96	10750.00	4655.16	-4648.62	246.73	462348.11	740316.02	N 32 16 9.94	W 103 41 22.41	4655.16	176.96	0.00
PBHL James Federal #22H	15279.02	90.00	176.96	10750.00	4734.18	-4727.53	250.91	462269.20	740320.20	N 32 16 9.16	W 103 41 22.37	4734.18	176.96	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	10220.000	1/100.000	30.000	30.000	SLB_MWD-STD	Pilot Borehole / Cimarex James Federal #22 Pilot Rev0 MA
	10220.000	15279.020	1/100.000	30.000	30.000	SLB_MWD-STD	ST01 Borehole / Cimarex James Federal #22H ST01 Rev1 RJS 5-