

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMNM0559539

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
JAMES FEDERAL 19H

9. API-Well No.
30-025-41250-00-X1

10. Field and Pool, or Exploratory
SAND DUNES

11. County or Parish, and State
LEA COUNTY, NM

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

2. Name of Operator
CIMAREX ENERGY COMPANY OF CO
Contact: DEYSI FAVELA
E-Mail: dfavela@cimarex.com

3a. Address
600 NORTH MARIENFELD STREET, SUITE 600
MIDLAND, TX 79701

3b. Phone No. (include area code)
Ph: 432-620-1964

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 29 T23S R32E NWNW 185FNL 990FWL
32.165623 N Lat, 103.420713 W Lon

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 APD:

Directional Plan Change / BHL Move

Approved:
BHL 330' FSL & 660' FWL
KOP 10273'
EOC 11023'
MD 15325'
TVD 10750'

Proposed:
BHL 330' FSL & 1310' FWL

Original COAs still stand

Sec. 29 all under same lease

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

Electronic Submission #244776 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 (14LJ0165SE)

Name (Printed/Typed) DEYSI FAVELA Title DRILLING TECHNICIAN

Signature (Electronic Submission) Date 05/07/2014

APPROVED

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 _____

BUREAU OF LAND MANAGEMENT
CARLSBURG 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 **

JUN 17 2014

Additional data for EC transaction #244776 that would not fit on the form

32. Additional remarks, continued

KOP 10272'
EOC 11023' No Change
MD 15322'
TVD 10750' No Change

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240
Phone (505) 593-5151 Fax: (505) 393-0720

DISTRICT II
1221 N. Grand Avenue, Artesia, NM 88210
Phone (505) 748-1225 Fax: (505) 742-0720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 234-6170 Fax: (505) 234-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87503
Phone (505) 476-2450 Fax: (505) 476-2450

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 30-025-41250	Pool Code	Pool Name Sand Dunes; Bone Spring, South
Property Code	Property Name JAMES FEDERAL	Well Number 19
OGRID No. 215099	Operator Name CIMAREX ENERGY CO. OF	Elevation 3674

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	23 S	32 E		185	NORTH	990	WEST	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
M	29	23 S	32 E		330	SOUTH	1310	WEST	LEA

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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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 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 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> 4/29/2014 Date <i>[Signature]</i> Signature <i>[Signature]</i> Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS 28246
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RECEIVED

JUN 16 2014

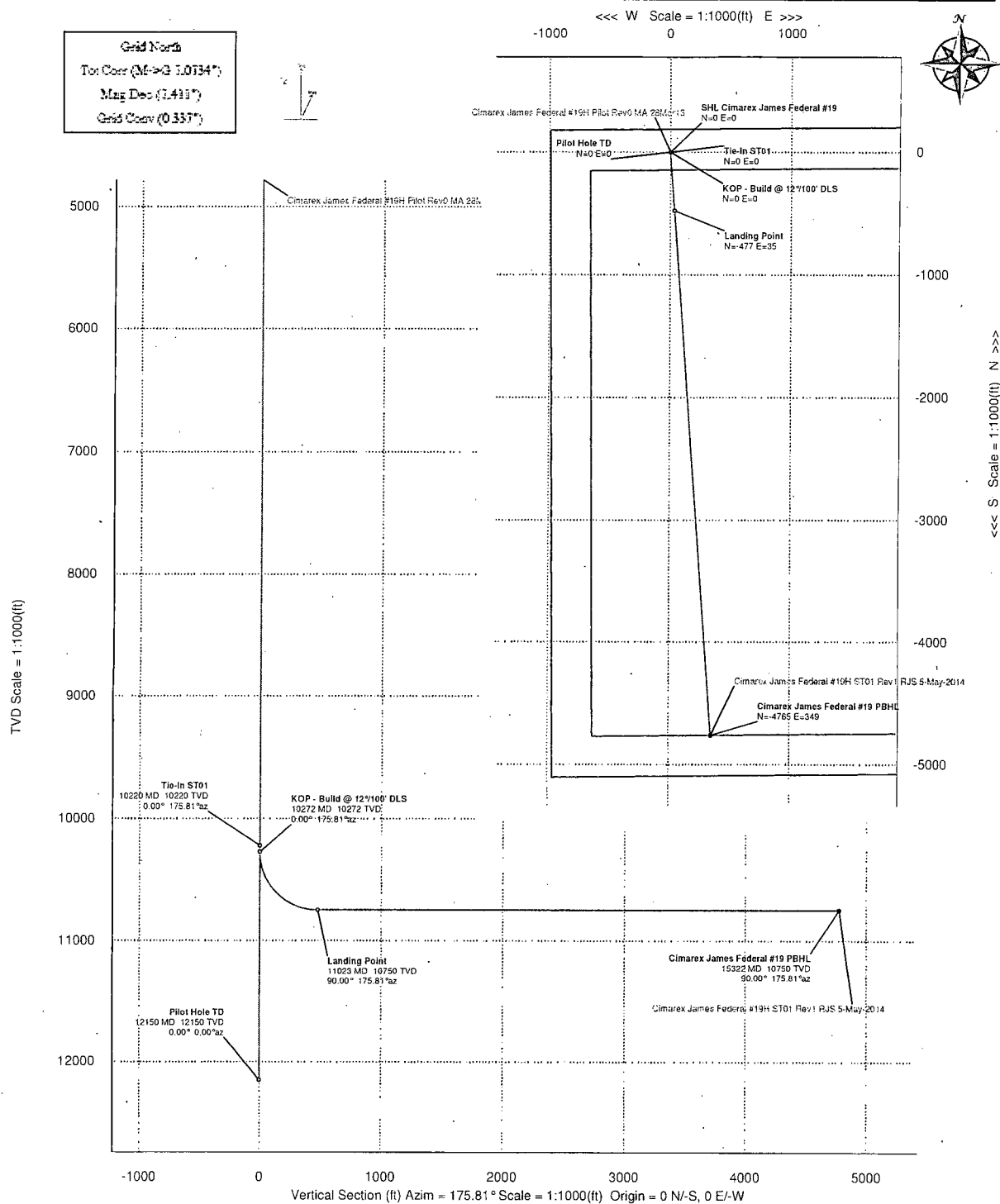
HOBBS OCD



Cimarex

PATHFINDER
A Schlumberger Company

WELL		James Federal #19H		FIELD		NM Lea County		STRUCTURE		TBD	
Magnum Parameters				Surface Location				Miscellaneous			
Model	BGCM 2013	Dp	80.131"	Date	May 05 2014	Lat	N 32.16 55.223	Northings	432092.80 NUS	Grid Center	0.3371
		Mag Dec.	7.411°			Lon	W 103.42 7.137	Eastings	735445.40 NUS	Scale Factor	0.99936269
								Plan: ST01 Rev1 RJS 5-May-2014 Rev Date: March 28, 2013			
								Ground Level (3674.9 above MSL)			



Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie-In ST01	10220.00	0.00	175.81	10220.00	0.00	0.00	0.00	
KOP - Build @ 12°/100' DLS	10272.00	0.00	175.81	10272.00	0.00	0.00	0.00	0.00
Landing Point	11022.84	90.00	175.81	10750.00	478.00	-476.72	34.97	11.99
Cimarex James Federal #19 PBHL	15322.46	90.00	175.81	10750.00	4777.62	-4764.83	349.32	0.00



Cimarex James Federal #19H ST01 Rev1 RJS 5-May-2014 Proposal Report



(Non-Def Plan)

Report Date: May 05, 2014 - 01:02 PM
 Client: Cimarex
 Field: NM Lea County (NAD 83)
 Structure / Slot: TBD / Cimarex James Federal #19H
 Well: Cimarex James Federal #19H
 Borehole: ST01 Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Cimarex James Federal #19H ST01 Rev1 RJS 5-May-2014
 Survey Date: March 28, 2013
 Tort / AHD / DDI / ERD Ratio: 90.005° / 4777.622 ft / 5.787 / 0.444
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 16' 56.23251", W 103° 42' 7.13750"
 Location Grid N/E Y/X: N 467002.900 ftUS, E 736448.400 ftUS
 CRS Grid Convergence Angle: 0.3372°
 Grid Scale Factor: 0.99995269

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 175.807° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: Ground Level
 TVD Reference Elevation: 3674.000 ft above MSL
 Seabed / Ground Elevation: 3674.000 ft above MSL
 Magnetic Declination: 7.411°
 Total Gravity Field Strength: 998.4662mgn (9.80665 Based)
 Total Magnetic Field Strength: 48323.320 nT
 Magnetic Dip Angle: 60.131°
 Declination Date: May 05, 2014
 Magnetic Declination Model: BGM 2013
 North Reference: Grid North
 Grid Convergence Used: 0.3372°
 Total Corr Mag North->Grid North: 7.0734°
 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 Cimarex James Federal #19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	467002.90	736448.40	N 32 16 56.23	W 103 42 7.14	0.00	0.00	N/A
Tie-In ST01	10220.00	0.00	175.81	10220.00	0.00	0.00	0.00	467002.90	736448.40	N 32 16 56.23	W 103 42 7.14	0.00	0.00	N/A
KOP - Build @ 12"/100' DLS	10272.00	0.00	175.81	10272.00	0.00	0.00	0.00	467002.90	736448.40	N 32 16 56.23	W 103 42 7.14	0.00	0.00	0.00
	10300.00	3.36	175.81	10299.98	0.82	-0.82	0.06	467002.08	736448.46	N 32 16 56.22	W 103 42 7.14	0.82	175.81	11.99
	10400.00	15.34	175.81	10398.48	17.04	-16.99	1.25	468985.91	736449.65	N 32 16 56.06	W 103 42 7.12	17.04	175.81	11.99
	10500.00	27.33	175.81	10491.45	53.35	-53.21	3.90	468949.69	736452.30	N 32 16 55.71	W 103 42 7.10	53.35	175.81	11.99
	10600.00	39.32	175.81	10574.66	108.19	-107.90	7.91	468895.01	736456.31	N 32 16 55.16	W 103 42 7.05	108.19	175.81	11.99
	10700.00	51.30	175.81	10645.08	179.15	-178.67	13.11	468824.24	736461.50	N 32 16 54.46	W 103 42 7.00	179.15	175.81	11.99
	10800.00	63.29	175.81	10698.89	263.14	-262.44	19.25	466740.47	736467.65	N 32 16 53.63	W 103 42 6.93	263.14	175.81	11.99
	10900.00	75.28	175.81	10734.30	356.51	-355.55	26.08	468647.37	736474.48	N 32 16 52.71	W 103 42 6.86	356.51	175.81	11.99
	11000.00	87.26	175.81	10749.45	455.17	-453.95	33.30	466548.97	736481.69	N 32 16 51.74	W 103 42 6.78	455.17	175.81	11.99
Landing Point	11022.84	90.00	175.81	10750.00	478.00	-476.72	34.97	466526.20	736483.36	N 32 16 51.51	W 103 42 6.76	478.00	175.81	11.99
	11100.00	90.00	175.81	10750.00	555.16	-553.67	40.61	466449.26	736489.01	N 32 16 50.75	W 103 42 6.70	555.16	175.81	0.00
	11200.00	90.00	175.81	10750.00	655.16	-653.40	47.93	466349.53	736496.32	N 32 16 49.76	W 103 42 6.62	655.16	175.81	0.00
	11300.00	90.00	175.81	10750.00	755.16	-753.14	55.24	466249.80	736503.64	N 32 16 48.78	W 103 42 6.55	755.16	175.81	0.00
	11400.00	90.00	175.81	10750.00	855.16	-852.87	62.55	466150.07	736510.95	N 32 16 47.79	W 103 42 6.47	855.16	175.81	0.00
	11500.00	90.00	175.81	10750.00	955.16	-952.60	69.87	466050.35	736518.27	N 32 16 46.80	W 103 42 6.39	955.16	175.81	0.00
	11600.00	90.00	175.81	10750.00	1055.16	-1052.33	77.18	465950.62	736525.58	N 32 16 45.82	W 103 42 6.31	1055.16	175.81	0.00
	11700.00	90.00	175.81	10750.00	1155.16	-1152.06	84.50	465850.89	736532.89	N 32 16 44.83	W 103 42 6.23	1155.16	175.81	0.00
	11800.00	90.00	175.81	10750.00	1255.16	-1251.80	91.81	465751.16	736540.21	N 32 16 43.84	W 103 42 6.15	1255.16	175.81	0.00
	11900.00	90.00	175.81	10750.00	1355.16	-1351.53	99.12	465651.44	736547.52	N 32 16 42.85	W 103 42 6.08	1355.16	175.81	0.00
	12000.00	90.00	175.81	10750.00	1455.16	-1451.26	106.44	465551.71	736554.83	N 32 16 41.87	W 103 42 6.00	1455.16	175.81	0.00
	12100.00	90.00	175.81	10750.00	1555.16	-1550.99	113.75	465451.98	736562.15	N 32 16 40.88	W 103 42 5.92	1555.16	175.81	0.00
	12200.00	90.00	175.81	10750.00	1655.16	-1650.73	121.06	465352.26	736569.46	N 32 16 39.89	W 103 42 5.84	1655.16	175.81	0.00
	12300.00	90.00	175.81	10750.00	1755.16	-1750.46	128.38	465252.53	736576.77	N 32 16 38.90	W 103 42 5.76	1755.16	175.81	0.00
	12400.00	90.00	175.81	10750.00	1855.16	-1850.19	135.69	465152.80	736584.08	N 32 16 37.92	W 103 42 5.68	1855.16	175.81	0.00
	12500.00	90.00	175.81	10750.00	1955.16	-1949.92	143.00	465053.07	736591.39	N 32 16 36.93	W 103 42 5.61	1955.16	175.81	0.00
	12600.00	90.00	175.81	10750.00	2055.16	-2049.65	150.31	464953.35	736598.71	N 32 16 35.94	W 103 42 5.53	2055.16	175.81	0.00
	12700.00	90.00	175.81	10750.00	2155.16	-2149.39	157.63	464853.62	736606.02	N 32 16 34.96	W 103 42 5.45	2155.16	175.81	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 (ft/100ft)
	12800.00	90.00	175.81	10750.00	2255.16	-2249.12	164.94	464753.88	736613.33	N 32 16 33.97	W 103 42 5.37	2255.16	175.81	0.00
	12900.00	90.00	175.81	10750.00	2355.16	-2348.85	172.25	464854.16	736620.64	N 32 16 32.98	W 103 42 5.29	2355.16	175.81	0.00
	13000.00	90.00	175.81	10750.00	2455.16	-2448.58	179.56	464954.44	736627.95	N 32 16 31.99	W 103 42 5.21	2455.16	175.81	0.00
	13100.00	90.00	175.81	10750.00	2555.16	-2548.32	186.87	464454.71	736635.26	N 32 16 31.01	W 103 42 5.14	2555.16	175.81	0.00
	13200.00	90.00	175.81	10750.00	2655.16	-2648.05	194.18	464354.98	736642.57	N 32 16 30.02	W 103 42 5.06	2655.16	175.81	0.00
	13300.00	90.00	175.81	10750.00	2755.16	-2747.78	201.50	464255.25	736649.89	N 32 16 29.03	W 103 42 4.98	2755.16	175.81	0.00
	13400.00	90.00	175.81	10750.00	2855.16	-2847.51	208.81	464155.53	736657.20	N 32 16 28.04	W 103 42 4.90	2855.16	175.81	0.00
	13500.00	90.00	175.81	10750.00	2955.16	-2947.25	216.12	464055.80	736664.51	N 32 16 27.06	W 103 42 4.82	2955.16	175.81	0.00
	13600.00	90.00	175.81	10750.00	3055.16	-3046.98	223.43	463956.07	736671.82	N 32 16 26.07	W 103 42 4.74	3055.16	175.81	0.00
	13700.00	90.00	175.81	10750.00	3155.16	-3146.71	230.74	463856.34	736679.13	N 32 16 25.08	W 103 42 4.67	3155.16	175.81	0.00
	13800.00	90.00	175.81	10750.00	3255.16	-3246.44	238.05	463756.62	736686.44	N 32 16 24.10	W 103 42 4.59	3255.16	175.81	0.00
	13900.00	90.00	175.81	10750.00	3355.16	-3346.18	245.36	463656.89	736693.74	N 32 16 23.11	W 103 42 4.51	3355.16	175.81	0.00
	14000.00	90.00	175.81	10750.00	3455.16	-3445.91	252.67	463557.16	736701.05	N 32 16 22.12	W 103 42 4.43	3455.16	175.81	0.00
	14100.00	90.00	175.81	10750.00	3555.16	-3545.64	259.98	463457.43	736708.36	N 32 16 21.13	W 103 42 4.35	3555.16	175.81	0.00
	14200.00	90.00	175.81	10750.00	3655.16	-3645.37	267.29	463357.71	736715.67	N 32 16 20.15	W 103 42 4.27	3655.16	175.81	0.00
	14300.00	90.00	175.81	10750.00	3755.16	-3745.11	274.59	463257.98	736722.98	N 32 16 19.16	W 103 42 4.20	3755.16	175.81	0.00
	14400.00	90.00	175.81	10750.00	3855.16	-3844.84	281.90	463158.25	736730.29	N 32 16 18.17	W 103 42 4.12	3855.16	175.81	0.00
	14500.00	90.00	175.81	10750.00	3955.16	-3944.57	289.21	463058.52	736737.60	N 32 16 17.18	W 103 42 4.04	3955.16	175.81	0.00
	14600.00	90.00	175.81	10750.00	4055.16	-4044.30	296.52	462958.80	736744.91	N 32 16 16.20	W 103 42 3.96	4055.16	175.81	0.00
	14700.00	90.00	175.81	10750.00	4155.16	-4144.04	303.83	462859.07	736752.21	N 32 16 15.21	W 103 42 3.88	4155.16	175.81	0.00
	14800.00	90.00	175.81	10750.00	4255.16	-4243.77	311.14	462759.34	736759.52	N 32 16 14.22	W 103 42 3.80	4255.16	175.81	0.00
	14900.00	90.00	175.81	10750.00	4355.16	-4343.50	318.45	462659.61	736766.83	N 32 16 13.24	W 103 42 3.73	4355.16	175.81	0.00
	15000.00	90.00	175.81	10750.00	4455.16	-4443.23	325.75	462559.88	736774.14	N 32 16 12.25	W 103 42 3.65	4455.16	175.81	0.00
	15100.00	90.00	175.81	10750.00	4555.16	-4542.97	333.06	462460.16	736781.44	N 32 16 11.26	W 103 42 3.57	4555.16	175.81	0.00
	15200.00	90.00	175.81	10750.00	4655.16	-4642.70	340.37	462360.43	736788.75	N 32 16 10.27	W 103 42 3.49	4655.16	175.81	0.00
	15300.00	90.00	175.81	10750.00	4755.16	-4742.43	347.68	462260.70	736796.06	N 32 16 9.29	W 103 42 3.41	4755.16	175.81	0.00
Cimarex James Federal #19 PBHL	15322.46	90.00	175.81	10750.00	4777.62	-4764.83	349.32	462238.30	736797.70	N 32 16 9.06	W 103 42 3.40	4777.62	175.81	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 #19H Pilot Rev 0 MA
	10220.000	15322.463	1/100.000	30.000	30.000	SLB_MWD-STD	ST01 Borehole / Cimarex James Federal #19H ST01 Rev 1 RJS 5-