

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-015-45775
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name SALT DRAW 10 STATE COM WCA
8. Well Number 3H
9. OGRID Number 98220
10. Pool name or Wildcat PURPLE SAGE; WOLFCAMP

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	NM OIL CONSERVATION
2. Name of Operator CHISHOLM ENERGY OPERATING, LLC	ARTESIA DISTRICT
3. Address of Operator 801 CHERRY STREET, SUITE 1200 FORT WORTH, TX 76102	MAR 15 2019
4. Well Location	RECEIVED
Unit Letter A : 260 feet from the NORTH line and 1290 feet from the EAST line Section 10 Township 25S Range 28E NMPM County EDDY	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2977.7	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐ REVISE SHL ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: ☒ Attach wellbore diagram of proposed completion or recompletion.

03/15/2019- SURFACE HOLE CHANGE
FROM: 260' FNL & 1260' FEL
TO: 260' FNL & 1290' FEL

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE SR. REGULATORY ANALYST DATE 03/15/2019

Type or print name JENNIFER ELROD E-mail address: jelrod@chisholmenergy.com PHONE: 817-953-3728

For State Use Only

APPROVED BY: Raymond D. Bradley TITLE Geologist DATE 3-20-19
Conditions of Approval (if any):

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
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Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT
SHL REVISION

MAR 15 2019

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-45775		2 Pool Code 98220		3 Pool Name PURPLE SAGE; WOLFCAMP	
4 Property Code 325122		5 Property Name SALT DRAW 10 STATE COM WCA			6 Well Number 3H
7 OGRID No. 372137		8 Operator Name CHISHOLM ENERGY OPERATING, LLC			9 Elevation 2977.7

10 Surface Location

UL or lot no. A	Section 10	Township 25 S	Range 28 E	Lot Idn	Feet from the 260	North/South line NORTH	Feet from the 1290	East/West line EAST	County EDDY
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11 Bottom Hole Location If Different From Surface

UL or lot no. O	Section 10	Township 25 S	Range 28 E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 2240	East/West line EAST	County EDDY
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12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 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.

N=419087.41 E=621230.43 SALT DRAW 10 STATE COM WCA 3H (± KOP) 260' FNL, 1290' FEL ELEV. = 2977.7' LAT. = 32.1511365°N (NAD83) LONG. = 104.0707301°W NMSP EAST (FT) N = 418817.93 E = 622607.67 SEC 10		260' 1290' SHL LANDING POINT (FTP) 330' FNL, 2240' FEL LAT. = 32.1509305°N LONG. = 104.0737974°W N = 418740.67 E = 621858.60 GRID BNG. TO LP SBS 21.03°W HORIZ. DIST 952.49 FT N=419087.78 E=623895.09	
GRID BNG. = 300'27.07'E HORIZ. DIST = 14607.81 FT		GRID BNG. = 300'27.07'E HORIZ. DIST = 14607.81 FT	
N=413803.64 E=621266.67		330' 2240' BHL BOTTOM OF HOLE & LTP 330' FSL, 2240' FEL LAT. = 32.1382674°N LONG. = 104.0737378°W NMSP EAST (FT) N = 414134.19 E = 621688.14 N=413807.61 E=623929.00	

11 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 leased 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.

Jennifer Elrod 3/15/19
Signature Date

JENNIFER ELROD
Printed Name

JELROD@CHISHOLMENERGY.COM
E-mail Address

12 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.

MARCH 15, 2019
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor

Certificate Number: ELLIMON F. JARAMILLO, PLS 12797
SURVEY NO. 5763B

Ref 3-20-19

**NM OIL CONSERVATION
ARTESIA DISTRICT**

Intent ☒ As Drilled ☐

MAR 15 2019

API #
30-015-45775

RECEIVED

Operator Name: CHISHOLM ENERGY OPERATING, LLC	Property Name: SALT DRAW 10 STATE COM WCA	Well Number 3H
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Kick Off Point (KOP)

UL A	Section 10	Township 25S	Range 28E	Lot	Feet 260	From N/S NORTH	Feet 1290	From E/W EAST	County EDDY
Latitude 32.1511365					Longitude 104.0707301			NAD 83	

First Take Point (FTP)

UL B	Section 10	Township 25S	Range 28E	Lot	Feet 330	From N/S NORTH	Feet 2240	From E/W EAST	County EDDY
Latitude 32.1509305					Longitude 104.0737974			NAD 83	

Last Take Point (LTP)

UL O	Section 10	Township 25S	Range 28E	Lot	Feet 330	From N/S SOUTH	Feet 2240	From E/W EAST	County EDDY
Latitude 32.1382674					Longitude 104.0737378			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐ NO

Is this well an infill well? ☐ YES

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-44681	Operator Name: CHISHOLM ENERGY OPERATING, LLC	Property Name: SALT DRAW 10 STATE COM WCB	Well Number 2H
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KZ 06/29/2018

Chisholm Salt Draw 10 State Com WCA 3H Rev0 BT 12Mar19 Proposal

Geodetic Report

(Def Plan)

Report Date: March 14, 2019 - 05:04 PM
 Client: Chisholm Energy
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Chisholm Salt Draw 10 State Com WCA 3H / Chisholm Salt Draw 10 State Com WCA 3H
 Well: Chisholm Salt Draw 10 State Com WCA 3H
 Borehole: Original Borehole
 UWI / APM: Unknown / Unknown
 Survey Name: Chisholm Salt Draw 10 State Com WCA 3H Rev0 BT 12Mar19
 Survey Date: March 12, 2019
 Tors / AHD / DDI / ERD Ratio: 112.550 ° / 5458.507 ft / 5.956 / 0.588
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 9' 4.09139", W 104° 4' 14.62832"
 Location Grid N/E Y/X: N 418817.630 NUS, E 622607.682 NUS
 CRS Grid Convergence Angle: 0.1397 °
 Grid Scale Factor: 0.99991666
 Version / Patch: 2.10.753.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 179.630 ° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB = 32R (JOC 12)
 TVD Reference Elevation: 3009.700 ft above MSL
 Seabed / Ground Elevation: 2977.700 ft above MSL
 Magnetic Declination: 7.082 °
 Total Gravity Field Strength: 996.4550mgm (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 47898.020 nT
 Magnetic Dip Angle: 59.868 °
 Declination Date: March 12, 2019
 Magnetic Declination Model: HDGM 2019
 North Reference: Grid North
 Grid Convergence Used: 0.1397 °
 Total Cor Mag North->Grid: 6.9427 °
 North: Local Coord Referenced To: Well Head

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 15 2019

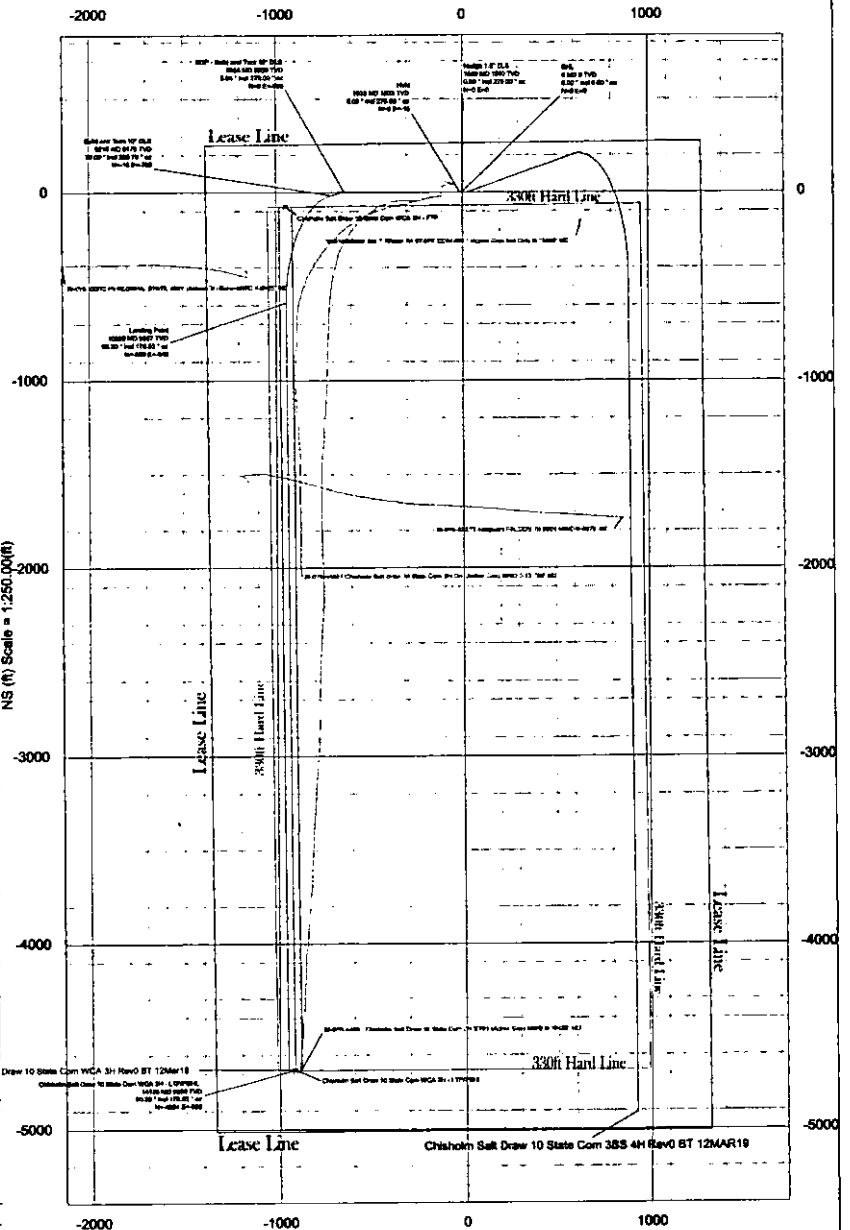
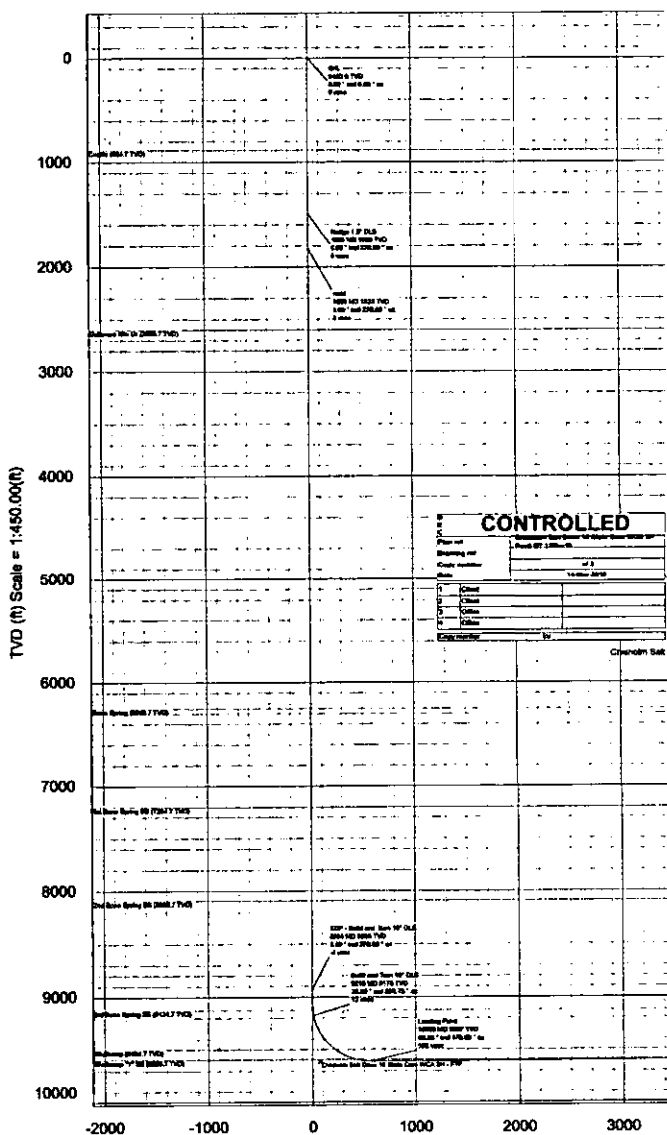
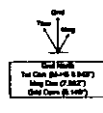
RECEIVED

Comments	MD	Incl	Azim Grid	TVD	VSEC	NS	EW	DLS	Northing	Easting	Latitude	Longitude
	(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(ftUS)	(ftUS)	(N/S ° ' ")	(E/W ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	100.00	0.00	270.00	100.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	200.00	0.00	270.00	200.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	300.00	0.00	270.00	300.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	400.00	0.00	270.00	400.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	500.00	0.00	270.00	500.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	600.00	0.00	270.00	600.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	700.00	0.00	270.00	700.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	800.00	0.00	270.00	800.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
Castile	884.70	0.00	270.00	884.70	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	900.00	0.00	270.00	900.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	1000.00	0.00	270.00	1000.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	1100.00	0.00	270.00	1100.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	1200.00	0.00	270.00	1200.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	1300.00	0.00	270.00	1300.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	1400.00	0.00	270.00	1400.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
Nudge 1.5" DLS	1500.00	0.00	270.00	1500.00	0.00	0.00	0.00	0.00	418817.93	622607.68	N 32° 9' 4.09" W 104° 4' 14.63"	
	1600.00	1.50	270.00	1599.99	-0.01	0.00	-1.31	1.50	418817.93	622606.37	N 32° 9' 4.09" W 104° 4' 14.64"	
	1700.00	3.00	270.00	1699.91	-0.03	0.00	-5.23	1.50	418817.93	622602.45	N 32° 9' 4.09" W 104° 4' 14.69"	
	1800.00	4.50	270.00	1799.99	-0.08	0.00	-11.77	1.50	418817.93	622595.91	N 32° 9' 4.09" W 104° 4' 14.77"	
Hold	1833.34	5.00	270.00	1832.91	-0.09	0.00	-14.54	1.50	418817.93	622593.16	N 32° 9' 4.09" W 104° 4' 14.80"	
	1900.00	5.00	270.00	1899.32	-0.13	0.00	-20.35	0.00	418817.93	622587.34	N 32° 9' 4.09" W 104° 4' 14.86"	
	2000.00	5.00	270.00	1998.94	-0.19	0.00	-29.08	0.00	418817.93	622578.62	N 32° 9' 4.09" W 104° 4' 14.97"	
	2100.00	5.00	270.00	2098.56	-0.24	0.00	-37.78	0.00	418817.93	622569.91	N 32° 9' 4.09" W 104° 4' 15.07"	
	2200.00	5.00	270.00	2198.18	-0.30	0.00	-46.49	0.00	418817.93	622561.19	N 32° 9' 4.09" W 104° 4' 15.17"	
	2300.00	5.00	270.00	2297.80	-0.36	0.00	-55.21	0.00	418817.93	622552.48	N 32° 9' 4.09" W 104° 4' 15.27"	
	2400.00	5.00	270.00	2397.42	-0.41	0.00	-63.92	0.00	418817.93	622543.76	N 32° 9' 4.09" W 104° 4' 15.37"	
	2500.00	5.00	270.00	2497.04	-0.47	0.00	-72.64	0.00	418817.93	622535.05	N 32° 9' 4.09" W 104° 4' 15.47"	
	2600.00	5.00	270.00	2596.66	-0.53	0.00	-81.36	0.00	418817.93	622526.33	N 32° 9' 4.09" W 104° 4' 15.57"	
Delaware Mtn Gr	2603.05	5.00	270.00	2599.70	-0.53	0.00	-81.62	0.00	418817.93	622526.07	N 32° 9' 4.09" W 104° 4' 15.58"	
	2700.00	5.00	270.00	2696.28	-0.58	0.00	-90.07	0.00	418817.93	622517.62	N 32° 9' 4.09" W 104° 4' 15.68"	
	2800.00	5.00	270.00	2795.90	-0.64	0.00	-98.79	0.00	418817.93	622508.90	N 32° 9' 4.09" W 104° 4' 15.78"	
	2900.00	5.00	270.00	2895.52	-0.69	0.00	-107.50	0.00	418817.93	622500.19	N 32° 9' 4.09" W 104° 4' 15.88"	
	3000.00	5.00	270.00	2995.14	-0.75	0.00	-116.22	0.00	418817.93	622491.47	N 32° 9' 4.09" W 104° 4' 15.98"	
	3100.00	5.00	270.00	3094.76	-0.81	0.00	-124.93	0.00	418817.93	622482.76	N 32° 9' 4.09" W 104° 4' 16.08"	
	3200.00	5.00	270.00	3194.38	-0.88	0.00	-133.65	0.00	418817.93	622474.04	N 32° 9' 4.09" W 104° 4' 16.18"	
	3300.00	5.00	270.00	3294.00	-0.92	0.00	-142.37	0.00	418817.93	622465.33	N 32° 9' 4.09" W 104° 4' 16.28"	
	3400.00	5.00	270.00	3393.62	-0.98	0.00	-151.08	0.00	418817.93	622456.61	N 32° 9' 4.10" W 104° 4' 16.39"	
	3500.00	5.00	270.00	3493.23	-1.03	0.00	-159.80	0.00	418817.93	622447.90	N 32° 9' 4.10" W 104° 4' 16.49"	
	3600.00	5.00	270.00	3592.85	-1.09	0.00	-168.51	0.00	418817.93	622439.18	N 32° 9' 4.10" W 104° 4' 16.59"	
	3700.00	5.00	270.00	3692.47	-1.14	0.00	-177.23	0.00	418817.93	622430.47	N 32° 9' 4.10" W 104° 4' 16.69"	
	3800.00	5.00	270.00	3792.09	-1.20	0.00	-185.94	0.00	418817.93	622421.75	N 32° 9' 4.10" W 104° 4' 16.79"	
	3900.00	5.00	270.00	3891.71	-1.25	0.00	-194.66	0.00	418817.93	622413.04	N 32° 9' 4.10" W 104° 4' 16.89"	
	4000.00	5.00	270.00	3991.33	-1.31	0.00	-203.37	0.00	418817.93	622404.32	N 32° 9' 4.10" W 104° 4' 16.99"	
	4100.00	5.00	270.00	4090.95	-1.37	0.00	-212.09	0.00	418817.93	622395.61	N 32° 9' 4.10" W 104° 4' 17.10"	
	4200.00	5.00	270.00	4190.57	-1.43	0.00	-220.81	0.00	418817.93	622386.89	N 32° 9' 4.10" W 104° 4' 17.20"	
	4300.00	5.00	270.00	4290.19	-1.48	0.00	-229.52	0.00	418817.93	622378.18	N 32° 9' 4.10" W 104° 4' 17.30"	
	4400.00	5.00	270.00	4389.81	-1.54	0.00	-238.24	0.00	418817.93	622369.46	N 32° 9' 4.10" W 104° 4' 17.40"	
	4500.00	5.00	270.00	4489.43	-1.59	0.00	-246.95	0.00	418817.93	622360.75	N 32° 9' 4.10" W 104° 4' 17.50"	
	4600.00	5.00	270.00	4589.05	-1.65	0.00	-255.67	0.00	418817.93	622352.03	N 32° 9' 4.10" W 104° 4' 17.60"	
	4700.00	5.00	270.00	4688.67	-1.71	0.00	-264.38	0.00	418817.93	622343.32	N 32° 9' 4.10" W 104° 4' 17.70"	
	4800.00	5.00	270.00	4788.29	-1.76	0.00	-273.10	0.00	418817.93	622334.60	N 32° 9' 4.10" W 104° 4' 17.80"	
	4900.00	5.00	270.00	4887.91	-1.82	0.00	-281.82	0.00	418817.93	622325.89	N 32° 9' 4.10" W 104° 4' 17.91"	
	5000.00	5.00	270.00	4987.53	-1.88	0.00	-290.53	0.00	418817.93	622317.18	N 32° 9' 4.10" W 104° 4' 18.01"	
	5100.00	5.00	270.00	5087.15	-1.93	0.00	-299.25	0.00	418817.93	622308.46	N 32° 9' 4.10" W 104° 4' 18.11"	
	5200.00	5.00	270.00	5186.77	-1.99	0.00	-307.96	0.00	418817.93	622299.75	N 32° 9' 4.10" W 104° 4' 18.21"	
	5300.00	5.00	270.00	5286.39	-2.05	0.00	-316.68	0.00	418817.93	622291.03	N 32° 9' 4.10" W 104° 4' 18.31"	
	5400.00	5.00	270.00	5386.00	-2.10	0.00	-325.39	0.00	418817.93	622282.32	N 32° 9' 4.10" W 104° 4' 18.41"	
	5500.00	5.00	270.00	5485.62	-2.16	0.00	-334.11	0.00	418817.93	622273.60	N 32° 9' 4.10" W 104° 4' 18.51"	
	5600.00	5.00	270.00	5585.24	-2.21	0.00	-342.83	0.00	418817.93	622264.89	N 32° 9' 4.10" W 104° 4' 18.62"	
	5700.00	5.00	270.00	5684.86	-2.27	0.00	-351.54	0.00	418817.93	622256.17	N 32° 9' 4.10" W 104° 4' 18.72"	
	5800.00	5.00	270.00	5784.48	-2.33	0.00	-360.26	0.00	418817.93	622247.46	N 32° 9' 4.10" W 104° 4' 18.82"	
	5900.00	5.00	270.00	5884.10	-2.38	0.00	-368.97	0.00	418817.93	622238.74	N 32° 9' 4.10" W 104° 4' 18.92"	
	6000.00	5.00	270.00	5983.72	-2.44	0.00	-377.69	0.00	418817.93	622230.03	N 32° 9' 4.10" W 104° 4' 19.02"	
	6100.00	5.00	270.00	6083.34	-2.50	0.00	-386.40	0.00	418817.93	622221.31	N 32° 9' 4.10" W 104° 4' 19.12"	
	6200.00	5.00	270.00	6182.96	-2.55	0.00	-395.12	0.00	418817.93	622212.60	N 32° 9' 4.10" W 104° 4' 19.22"	
Bone Spring	6268.99	5.00	270.00	6249.70	-2.59	0.00	-400.96	0.00	418817.93	622206.78	N 32° 9' 4.10" W 104° 4' 19.29"	
	6300.00	5.00	270.00	6282.58	-2.61	0.00	-403.84	0.00	418817.93	622203.88	N 32° 9' 4.10" W 104° 4' 19.33"	
	6400.00	5.00	270.00	6382.20	-2.66	0.00	-412.55	0.00	418817.93	622195.17	N 32° 9' 4.10" W 104° 4' 19.43"	
	6500.00	5.00	270.00	6481.82	-2.72	0.00	-421.27	0.00	418817.93	622186.45	N 32° 9' 4.10" W 104° 4' 19.53"	
	6600.00	5.00	270.00	6581.44	-2.78	0.00	-429.98	0.00	418817.93	622177.74	N 32° 9' 4.10" W 104° 4' 19.63"	
	6700.00	5.00	270.00	6681.06	-2.83	0.00	-438.70	0.00	418817.93	622168.02	N 32° 9' 4.10" W 104° 4' 19.73"	
	6800.00	5.00	270.00	6780.68	-2.89	0.00						

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ° ' '')	Longitude (E/W ° ° ' '')
	7100.00	5.00	270.00	7079.54	-3.06	0.00	-473.58	0.00	418817.93	622194.18	N 32 9 4.10 W 104	4 20.14
	7200.00	5.00	270.00	7179.15	-3.11	0.00	-482.28	0.00	418817.93	622125.45	N 32 9 4.10 W 104	4 20.24
1st Bone Spring SS	7225.64	5.00	270.00	7204.70	-3.13	0.00	-484.51	0.00	418817.93	622123.21	N 32 9 4.10 W 104	4 20.26
	7300.00	5.00	270.00	7278.77	-3.17	0.00	-490.99	0.00	418817.93	622116.73	N 32 9 4.10 W 104	4 20.34
	7400.00	5.00	270.00	7378.39	-3.23	0.00	-499.71	0.00	418817.93	622108.02	N 32 9 4.10 W 104	4 20.44
	7500.00	5.00	270.00	7478.01	-3.28	0.00	-508.42	0.00	418817.93	622099.30	N 32 9 4.10 W 104	4 20.54
	7600.00	5.00	270.00	7577.63	-3.34	0.00	-517.14	0.00	418817.93	622090.59	N 32 9 4.10 W 104	4 20.64
	7700.00	5.00	270.00	7677.25	-3.40	0.00	-525.86	0.00	418817.93	622081.87	N 32 9 4.10 W 104	4 20.74
	7800.00	5.00	270.00	7776.87	-3.45	0.00	-534.57	0.00	418817.93	622073.16	N 32 9 4.10 W 104	4 20.85
	7900.00	5.00	270.00	7876.49	-3.51	0.00	-543.29	0.00	418817.93	622064.44	N 32 9 4.10 W 104	4 20.95
	8000.00	5.00	270.00	7976.11	-3.58	0.00	-552.00	0.00	418817.93	622055.73	N 32 9 4.10 W 104	4 21.05
	8100.00	5.00	270.00	8075.73	-3.62	0.00	-560.72	0.00	418817.93	622047.01	N 32 9 4.10 W 104	4 21.15
2nd Bone Spring SS	8114.02	5.00	270.00	8089.70	-3.63	0.00	-561.94	0.00	418817.93	622045.79	N 32 9 4.10 W 104	4 21.16
	8200.00	5.00	270.00	8175.35	-3.68	0.00	-569.43	0.00	418817.93	622038.30	N 32 9 4.11 W 104	4 21.25
	8300.00	5.00	270.00	8274.97	-3.73	0.00	-578.15	0.00	418817.93	622029.58	N 32 9 4.11 W 104	4 21.35
	8400.00	5.00	270.00	8374.59	-3.79	0.00	-586.96	0.00	418817.93	622020.87	N 32 9 4.11 W 104	4 21.45
	8500.00	5.00	270.00	8474.21	-3.85	0.00	-595.58	0.00	418817.93	622012.15	N 32 9 4.11 W 104	4 21.56
	8600.00	5.00	270.00	8573.83	-3.90	0.00	-604.30	0.00	418817.93	622003.44	N 32 9 4.11 W 104	4 21.66
	8700.00	5.00	270.00	8673.45	-3.96	0.00	-613.01	0.00	418817.93	621994.72	N 32 9 4.11 W 104	4 21.76
	8800.00	5.00	270.00	8773.07	-4.01	0.00	-621.73	0.00	418817.93	621986.01	N 32 9 4.11 W 104	4 21.86
	8900.00	5.00	270.00	8872.69	-4.07	0.00	-630.44	0.00	418817.93	621977.29	N 32 9 4.11 W 104	4 21.96
KOP - Build and Turn 10° DLS	8863.78	5.00	270.00	8836.20	-4.11	0.00	-636.00	0.00	418817.93	621971.74	N 32 9 4.11 W 104	4 22.03
	9000.00	8.51	261.94	8972.19	-3.76	-0.38	-640.24	10.00	418817.55	621967.50	N 32 9 4.10 W 104	4 22.08
	9100.00	18.42	255.84	9068.32	1.01	-5.29	-662.93	10.00	418812.64	621944.80	N 32 9 4.05 W 104	4 22.34
3rd Bone Spring SS	9159.50	24.35	254.63	9124.70	6.45	-10.87	-683.69	10.00	418807.06	621923.85	N 32 9 4.00 W 104	4 22.58
	9200.00	28.39	253.94	9160.98	11.23	-15.78	-701.20	10.00	418802.17	621906.54	N 32 9 3.95 W 104	4 22.78
Build and Turn 10° DLS	9216.11	30.00	253.75	9175.04	13.37	-17.94	-708.74	10.00	418799.99	621899.00	N 32 9 3.93 W 104	4 22.87
	9300.00	32.95	258.66	9246.59	30.88	-35.71	-748.43	10.00	418782.22	621859.31	N 32 9 3.76 W 104	4 23.33
	9400.00	38.39	224.21	9328.05	67.08	-72.20	-793.42	10.00	418745.73	621814.33	N 32 9 3.40 W 104	4 23.86
	9500.00	45.20	213.18	9402.66	116.90	-124.29	-834.60	10.00	418693.65	621773.18	N 32 9 2.88 W 104	4 24.34
	9600.00	52.84	204.62	9468.26	184.75	-190.38	-870.71	10.00	418627.57	621737.05	N 32 9 2.23 W 104	4 24.78
Wolfcamp	9645.73	58.52	201.28	9494.70	219.01	-224.74	-885.23	10.00	418593.21	621722.53	N 32 9 1.89 W 104	4 24.93
	9700.00	60.98	197.67	9522.85	282.64	-268.48	-900.65	10.00	418548.49	621707.11	N 32 9 1.48 W 104	4 25.11
	9800.00	69.43	191.76	9564.78	350.21	-356.18	-923.53	10.00	418461.78	621684.24	N 32 9 0.59 W 104	4 25.38
Wolfcamp "Y" SS	9885.90	78.83	187.20	9589.70	431.13	-437.19	-936.99	10.00	418380.78	621670.77	N 32 8 59.79 W 104	4 25.54
	9900.00	78.05	186.48	9582.78	444.78	-450.85	-938.63	10.00	418367.12	621669.13	N 32 8 59.65 W 104	4 25.58
	10000.00	86.77	181.54	9605.96	543.40	-548.61	-945.51	10.00	418268.37	621628.25	N 32 8 58.68 W 104	4 25.64
Landing Point	10039.22	90.20	179.63	9607.00	582.89	-588.81	-945.91	10.00	418229.17	621618.85	N 32 8 58.29 W 104	4 25.65
	10039.28	90.20	179.63	9607.00	582.72	-588.84	-945.91	10.00	418229.14	621618.85	N 32 8 58.29 W 104	4 25.65
	10100.00	90.20	179.63	9606.79	643.46	-649.58	-945.52	0.00	418188.40	621602.24	N 32 8 57.69 W 104	4 25.64
	10200.00	90.20	179.63	9606.45	743.46	-749.58	-944.88	0.00	418068.41	621602.89	N 32 8 56.70 W 104	4 25.64
	10300.00	90.20	179.63	9606.10	843.46	-849.58	-944.23	0.00	417968.42	621593.53	N 32 8 55.71 W 104	4 25.63
	10400.00	90.20	179.63	9605.76	943.46	-949.58	-943.59	0.00	417868.44	621584.17	N 32 8 54.72 W 104	4 25.63
	10500.00	90.20	179.63	9605.42	1043.46	-1049.57	-942.95	0.00	417768.45	621564.81	N 32 8 53.73 W 104	4 25.63
	10600.00	90.20	179.63	9605.07	1143.46	-1149.57	-942.31	0.00	417668.46	621545.45	N 32 8 52.74 W 104	4 25.62
	10700.00	90.20	179.63	9604.73	1243.46	-1249.57	-941.67	0.00	417568.47	621526.10	N 32 8 51.75 W 104	4 25.62
	10800.00	90.20	179.63	9604.38	1343.46	-1349.57	-941.03	0.00	417468.48	621506.74	N 32 8 50.76 W 104	4 25.61
	10900.00	90.20	179.63	9604.04	1443.46	-1449.58	-940.38	0.00	417368.49	621487.38	N 32 8 49.77 W 104	4 25.61
	11000.00	90.20	179.63	9603.70	1543.46	-1549.58	-939.74	0.00	417268.50	621468.02	N 32 8 48.78 W 104	4 25.60
	11100.00	90.20	179.63	9603.35	1643.46	-1649.58	-939.10	0.00	417168.51	621448.66	N 32 8 47.79 W 104	4 25.60
	11200.00	90.20	179.63	9603.01	1743.46	-1749.58	-938.46	0.00	417068.52	621429.30	N 32 8 46.80 W 104	4 25.59
	11300.00	90.20	179.63	9602.67	1843.46	-1849.58	-937.82	0.00	416968.54	621409.94	N 32 8 45.81 W 104	4 25.59
	11400.00	90.20	179.63	9602.32	1943.46	-1949.58	-937.17	0.00	416868.55	621390.58	N 32 8 44.82 W 104	4 25.58
	11500.00	90.20	179.63	9601.98	2043.46	-2049.58	-936.53	0.00	416768.56	621371.23	N 32 8 43.83 W 104	4 25.58
	11600.00	90.20	179.63	9601.63	2143.46	-2149.54	-935.89	0.00	416668.57	621351.87	N 32 8 42.84 W 104	4 25.57
	11700.00	90.20	179.63	9601.29	2243.45	-2249.54	-935.25	0.00	416568.58	621332.51	N 32 8 41.85 W 104	4 25.57
	11800.00	90.20	179.63	9600.95	2343.45	-2349.54	-934.61	0.00	416468.59	621313.15	N 32 8 40.86 W 104	4 25.56
	11900.00	90.20	179.63	9600.60	2443.45	-2449.54	-933.96	0.00	416368.60	621293.79	N 32 8 39.87 W 104	4 25.56
	12000.00	90.20	179.63	9600.26	2543.45	-2549.53	-933.32	0.00	416268.61	621274.44	N 32 8 38.88 W 104	4 25.56
	12100.00	90.20	179.63	9599.92	2643.45	-2649.53	-932.68	0.00	416168.63	621255.08	N 32 8 37.89 W 104	4 25.55
	12200.00	90.20	179.63	9599.57	2743.45	-2749.53	-932.04	0.00	416068.64	621235.72	N 32 8 36.91 W 104	4 25.55
	12300.00	90.20	179.63	9599.23	2843.45	-2849.53	-931.40	0.00	415968.65	621216.36	N 32 8 35.92 W 104	4 25.54
	12400.00	90.20	179.63	9598.88	2943.45	-2949.52	-930.76	0.00	415868.66	621197.01	N 32 8 34.93 W 104	4 25.54
	12500.00	90.20	179.63	9598.54	3043.45	-3049.52	-930.11	0.00	415768.67	621177.65	N 32 8 33.94 W 104	4 25.53
	12600.00	90.20	179.63	9598.20	3143.45	-3149.52	-929.47	0.00	415668.68	621158.29	N 32 8 32.95 W 104	4 25.53
	12700.00	90.20	179.63	9597.85	3243.45	-3249.51	-928.83	0.00	415568.69	621138.93	N 32 8 31.96 W 104	4 25.52
	12800.00	90.20	179.63	9597.51	3343.45	-3349.51	-928.19	0.00	415468.70	621119.57	N 32 8 30.97 W 104	4 25.52
	12900.00	90.20	179.63	9597.16	3443.45	-3449.51	-927.55	0.00	415368.71	621100.22	N 32 8 29.98 W 104	4 25.51
	13000.00	90.20	179.63	9596.82	3543.45	-3549.51	-926.90	0.00	415268.73	621080.86	N 32 8 28.99 W 104	4 25.51
	13100.00	90.20	179.63	9596.48	3643.45	-3649.50	-926.26	0.00	415168.74	621061.50	N 32 8 28.00 W 104	4 25.50
	13200.00	90.20	179.63	9596.13	3743.45	-3749.50	-925.62	0.00	415068.75	621042.14	N 32 8 27.01 W 104	4 25.50
	13300.00	90.20	179.63	9595.79	3843.45	-3849.50	-924.98	0.00	414968.76	621022.78	N 32 8 26.02 W 104	4 25.50
	13400.00	90.20	179.63	9595.45	3943.44	-3949.50	-924.34	0.00	414868.77	621003.42	N 32 8 25.03 W 104	4 25.49
	13500.00	90.20	179.63	9595.10	4043.44	-4049.49	-923.69	0.00	414768.78	620984.07	N 32 8 24.04 W 104	4 25.49
	13600.00	90.20	179.63	9594.76	4143.44	-4149.49	-923.05	0.00	414668.79	620964.71	N 32 8 23.05 W 104	4 25.48
	13700.00	90.20	179.63	9594.41	4243.44	-4249.49	-922.41	0.00	414568.80	620945.35	N 32 8 22.06 W 104	4 25.48
	13800.00	90.20	179.63	9594.07	4343.44	-4349.49	-921.77	0.00	414468.82	620925.99	N 32 8 21.07 W 104	4 25.47
	13900.00	90.20	179.63	9593.73	4443.44	-4449.48	-921.13	0.00	4143			

Borehole:	Well:	Field:	Structure:
Original Borehole	Chisholm Salt Draw 10 State Com WCA 3H	NM Eddy County (NAD 83)	Chisholm Salt Draw 10 State Com WCA 3H
Gravity & Magnitude Parameters	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Structure
Model: HQM 2519	Date: 12-Nov-2019	Lat: N 32 9 4.99	Block: Draw 10 State
Dip: 50.285°	Gravity PS: 988.420m/s² (9.80665 m/s²)	Northings: 418817.82110	TVD Ref: RGS = 328 (ADC 12)(9886.79 above BSL)
FR: 47886.82mT		Eastings: 822897.88115	Plan: CHISHOLM Salt Draw 10 State Com WCA 3H Rev0 ST 12MAR19
MagDev: 7.962°		Grid Conv: 5.1297°	
		Scale Fact: 0.99991686	

Critical Points							
Critical Point	WD	BSCL	ASW	TVD	VSEC	R(+)=R(-)	Q(+)=Q(-)
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Casals	884.70	0.00	270.00	884.70	0.00	0.00	0.00
Wedge 1 1/2' DLS	1500.00	0.00	270.00	1500.00	0.00	0.00	0.00
Hold	1833.34	5.00	270.00	1833.34	-0.09	0.00	-14.84
Deviator Min Cr	2803.05	5.00	270.00	2803.05	-0.53	0.00	-81.82
Flow Spring	6288.99	5.00	270.00	6288.99	-2.59	0.00	-400.06
1st Bone Spring SS	7225.64	5.00	270.00	7225.64	-3.13	0.00	-484.51
2nd Bone Spring SS	8114.02	5.00	270.00	8114.02	-3.85	0.00	-561.94
KOP - Build and Turn 10' DLS	8953.78	5.00	270.00	8953.78	-4.11	0.00	-638.00
3rd Bone Spring SS	9158.30	24.35	254.53	9158.30	6.45	-10.87	-683.89
Build and Turn 10' DLS	9216.11	30.00	253.75	9175.84	13.37	-17.34	-708.74
Workover	9645.73	58.52	201.28	9484.70	219.01	-224.74	-685.23
Workover "Y" SS	9885.90	78.83	187.20	9598.70	451.13	-437.19	-638.98
Landing Point	10036.22	90.20	178.63	9807.00	582.88	-588.81	-643.91
Chisholm Salt Draw 10 State Com WCA 3H - LTP/PSH	14134.88	90.20	178.63	9882.92	4678.10	-4884.14	-919.82
2nd Bone Spring SS	N/A			10194.70			



Vertical Section (ft) Azim = 179.63° Scale = 1:450.00(ft) Origin = 0N-S, 0E-W

Chisholm Salt Draw 10 State Com WCA 3H Rev0 BT 12Mar19 Anti-Collision Summary Report

Analysis Date-34hr Time: March 14, 2019 - 17:06

Client: Chisholm Energy
 Field: NM Eddy County (NAD 83)
 Structure: Chisholm Salt Draw 10 State Com WCA 3H
 Slot: Chisholm Salt Draw 10 State Com WCA 3H
 Well: Chisholm Salt Draw 10 State Com WCA 3H
 Borehole: Original Borehole
 Scan MD Range: 0.00ft - 14134.66ft

Analysis Method:

Reference Trajectory:

Depth Interval:

Rule Set:

Min Pts:

Version / Patch:

Database / Project:

3D Least Distance

Chisholm Salt Draw 10 State Com WCA 3H Rev0 BT 12Mar19 (Def Plan)

Every 100.00 Measured Depth (ft)

NAL Procedure: D&M AntiCollision Standard S002

All local minima indicated.

2.10.753.0

us1153app452.dsr.slb.com/drilling-NM Eddy County 2.10

Trajectory Error Model: ISCWSA0 3-D 95.000% Confidence 2.7955 sigma

Offset Trajectories Summary

Offset Selection Criteria

Wellhead distance scan:

Selection filters:

Not performed

Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans

- All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole

Offset Trajectory	Separation			Allow Dev. (m)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Cl-Cl (m)	MAS (m)	EOU (m)				MD (m)	TVD (m)	Alert	Minor	Major		

Results highlighted: Sep-Factor separation <= 1.50 ft

Chisholm Salt Draw 10 State
 Com 3B5 4H Rev0 BT
 12MAR19 (Def Plan)

Warning Alert													
30.04	24.53	27.54	5.51	N/A		MAS = 7.48 (m)	0.00	0.00	Cl-Cl <= 15m < 15.00			Enter Alert	
30.04	24.53	27.54	5.51	N/A		MAS = 7.48 (m)	32.00	32.00				WRP	
30.04	24.53	18.53	5.51	3.08		MAS = 7.48 (m)	1500.00	1500.00				MinPts	
40.21	24.53	28.19	15.88	3.95		MAS = 7.48 (m)	1700.00	1699.91	OSF > 5.00			Exit Alert	
1841.14	448.08	1540.92	1302.09	6.18		OSF1.50	14134.66	9592.82				MinPts	

30-015-44881 Chisholm Salt
 Draw 10 State Com 2H OH
 (Active Gas) MWD 0-12,789'
 MD (Def Survey)

Warning Alert													
108.38	32.81	105.88	75.55	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
109.28	32.81	105.78	75.47	98744.17		MAS = 10.00 (m)	32.00	32.00				WRP	
47.32	32.81	37.28	14.51	5.88		MAS = 10.00 (m)	2000.00	1898.94	Cl-Cl <= 15m < 15.00			Enter Alert	
39.89	32.81	29.39	7.04	4.68		MAS = 10.00 (m)	2200.00	2198.18				MinPts	
40.84	32.81	28.78	7.83	4.55		MAS = 10.00 (m)	2300.00	2297.80				MinPts-O-SF	
48.05	32.81	37.82	16.25	5.33		MAS = 10.00 (m)	2500.00	2497.04	Cl-Cl <= 15m > 15.00			Exit Alert	
71.31	32.81	58.58	38.51	6.72		MAS = 10.00 (m)	3000.00	2995.14				MINPT-O-EQU	
74.17	32.81	60.54	41.38	6.44		MAS = 10.00 (m)	3200.00	3194.38				MinPts-O-SF	
1121.25	47.47	1088.77	1073.79	37.32		OSF1.50	10500.00	9805.42				MinPts-CICI	
1119.91	67.28	1074.22	1052.83	25.87		OSF1.50	11200.00	9803.01				MinPts-CICI	
1120.78	68.86	1073.51	1051.13	24.88		OSF1.50	11300.00	9802.67				MINPT-O-EQU	
1123.17	72.18	1074.21	1050.88	24.12		OSF1.50	11400.00	9802.32				MinPts-O-ADP	
1182.84	78.34	1129.11	1103.50	23.04		OSF1.50	11800.00	9800.85				MinPts-O-SF	
2925.11	100.09	2858.55	2826.03	44.94		OSF1.50	14134.66	9592.82				TD	

30-015-44881 Chisholm Salt
 Draw 10 State Com 2H STD1
 (Active Gas) MWD 0-15430'
 MD (Def Survey)

Warning Alert													
113.83	32.81	111.33	81.02	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
108.33	32.81	105.70	75.52	814.82		MAS = 10.00 (m)	32.00	32.00				WRP	
102.02	32.81	98.65	69.20	33.71		MAS = 10.00 (m)	700.00	700.00				MinPts	
48.78	32.81	38.75	15.98	6.15		MAS = 10.00 (m)	2000.00	1898.94	Cl-Cl <= 15m < 15.00			Enter Alert	
39.81	32.81	29.43	7.11	4.68		MAS = 10.00 (m)	2200.00	2198.18				MinPts	
40.83	32.81	28.78	7.83	4.57		MAS = 10.00 (m)	2300.00	2297.80				MinPts-O-SF	
44.13	32.81	33.00	11.32	4.82		MAS = 10.00 (m)	2400.00	2397.42	Cl-Cl <= 15m > 15.00			Exit Alert	
73.32	32.81	60.85	40.51	6.85		MAS = 10.00 (m)	3000.00	2995.14				MinPts	
73.84	32.81	60.52	40.83	6.88		MAS = 10.00 (m)	3100.00	3084.78				MINPT-O-EQU	
75.31	32.81	61.72	42.50	6.58		MAS = 10.00 (m)	3200.00	3194.38				MinPts-O-SF	
1172.58	52.28	1138.91	1120.32	35.28		OSF1.50	10500.00	9805.42				MinPts	
1181.42	71.25	1133.09	1110.17	25.72		OSF1.50	11200.00	9803.01				MinPts-CICI	
1173.83	82.00	1111.87	1081.83	19.63		OSF1.50	11600.00	9800.80				MinPts-CICI	
1159.05	118.79	1079.02	1040.26	14.82		OSF1.50	12900.00	9897.18				MinPts-CICI	
1148.34	133.95	1068.20	1014.38	13.07		OSF1.50	13500.00	9895.10				MinPts-CICI	
1148.52	150.31	1045.91	988.24	11.61		OSF1.50	14134.66	9592.82				MinPts	

30-015-33890 SALT DRAW 10
 STATE COM #001 (Active Gas)
 Incl Only 0-13400' MD (Def
 Survey)

Warning Alert													
858.73	32.81	858.23	825.82	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
857.85	32.81	854.96	824.74	10287.60		MAS = 10.00 (m)	32.00	32.00				WRP	
848.98	32.81	840.08	816.15	132.84		MAS = 10.00 (m)	1500.00	1500.00				MinPts	
1295.14	374.82	955.63	861.63	4.87		OSF1.50	7800.00	7876.49	OSF < 5.00			Enter Alert	
1276.39	450.50	975.19	825.84	4.28		OSF1.50	8600.00	8474.21				MINPT-O-EQU	
1291.31	488.09	977.75	822.22	4.14		OSF1.50	8700.00	8673.45				MinPts-O-ADP	
1318.00	486.53	986.81	838.47	4.05		OSF1.50	9000.00	8672.19				MinPts-O-SF	
1709.44	528.12	1357.88	1183.32	4.89		OSF1.50	10400.00	9825.78	OSF > 5.00			Exit Alert	
4850.03	522.44	4300.90	4127.58	13.41		OSF1.50	14134.66	9592.82				TD	

30-015-32671 Vanguard
 FALCON 10 #001 MWD 0-
 9675' MD (Def Survey)

Pass													
1821.87	32.81	1919.47	1889.16	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
1921.45	32.81	1918.92	1899.85	55251.33		MAS = 10.00 (m)	32.00	32.00				WRP	
1839.87	62.23	1587.33	1577.44	41.18		OSF1.50	4900.00	4887.91				MinPts	
1841.83	62.71	1599.17	1579.12	40.87		OSF1.50	5000.00	4887.53				MinPts-O-SF	
4739.85	43.98	4709.51	4695.68	171.31		OSF1.50	11100.00	9903.35				MinPts	
4740.84	46.72	4709.52	4695.12	164.45		OSF1.50	11200.00	9903.01				MinPts-O-ADP	
5828.24	98.85	5581.51	5529.40	87.58		OSF1.50	14134.66	9592.82				MinPts-O-SF	