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Submit 1 Copy To Appropriate District Office

State of New Mexico

Form C-103

District I - (575) 393-6161

Energy, Minerals and Natural Resources

Revised July 18, 2013

1625 N. French Dr., Hobbs, NM 88240

NOV 14 2019

District II - (575) 748-1283

OIL CONSERVATION DIVISION

811 S. First St., Artesia, NM 88210

District III - (505) 334-6161

DISTRICT IV - ARTESIA

1220 South St. Francis Dr.

1000 Rio Brazos Rd., Aztec, NM 87410

District IV - (505) 476-3460

Santa Fe, NM 87505

1220 S. St. Francis Dr., Santa Fe, NM

87505

WELL API NO.
30-015-44331

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

DARK CANYON 22 WCA

8. Well Number 7H

9. OGRID Number
372137

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

2. Name of Operator

CHISHOLM ENERGY OPERATING, LLC

3. Address of Operator 801 CHERRY ST., SUITE 1200-UNIT 20

FORT WORTH, TX 76102

4. Well Location

Unit Letter B : 125 feet from the NORTH line and 1950 feet from the EAST line
Section 22 Township 23S Range 26E NMPM EDDY County11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3305

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 ☐
CLOSED-LOOP SYSTEM ☐
OTHER: APD/PERMIT EXTENSION ☐

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.

SHL CHANGE

FROM: 125 FNL & 1950 FEL
TO: 200 FNL & 1505 FEL

SHL SECT. CHANGE

FROM: 22
TO: 15

BHL UL CHANGE

FROM: P
TO: H

BHL CHANGE

FROM: 330 FSL & 440 FEL
TO: 2254 FNL & 900 FEL

NAME CHANGE

FROM: DARK CANYON 22 WCA
TO: DARK CANYON 15-22 WCA STATE COM

PROPOSED TOTAL DEPTH

FROM: 13430'
TO: 16290'

ELEV CHANGE

FROM: 3305 GR
TO: 3304 GR**Please see attached documents for casing design changes.
All changes are noted in red.**

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 Jennifer Elrod TITLE SR. REGULATORY TECH DATE 07/20/2019Type or print name JENNIFER ELROD E-mail address: jelrod@chisholmenergy.com PHONE: 817-953-3728

For State Use Only

APPROVED BY: Raymond M. Padany TITLE Geologist DATE 11-18-19

Conditions of Approval (if any):

CASING DESIGN CHANGE

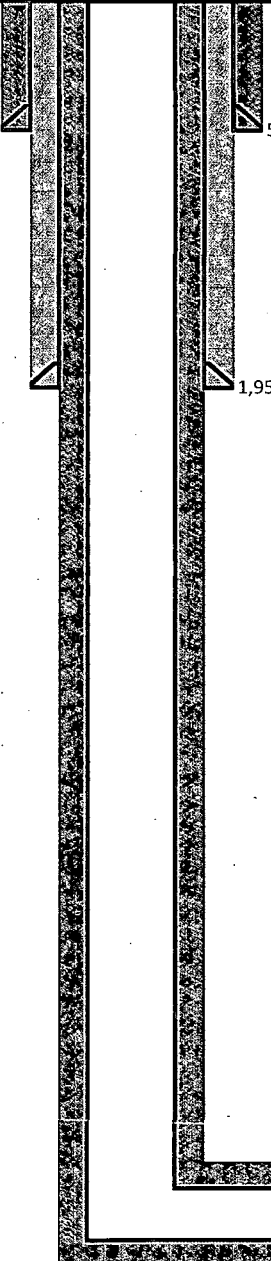
DARK CANYON 15-22 WCA STATE COM 7H (30-015-44331)

SURFACE		CSG WT/FT	SET DEPTH	SXS CMNT	EST TOC
	FROM	54.5	400	530	
	TO	48	500	525	
INTERMEDIATE	FROM	40	5200	2935	
	TO	36	1950	585	
PRODUCTION	FROM	17	13430	2332	4200
	TO	20	16290	2350	0

Dark Canyon 15-22 WCA 7H

API # 30-015-xxxxx

Updated: 10/04/2019

TVD ft-RKB	Geological Tops	Wellbore Sketch	Hole Size	Casing	Drilling Fluids	Cement	OH Evaluation/Logs
500	498 Castile		17-1/2"	Surface: 13-3/8" 48# J55 STC	FW Spud Mud 8.4 - 9.4 ppg 32 - 34 Vis	Top of Cement: Surface 14.8 ppg 1.34 cuft/sk 525 sks - 100% XS	
1,000			12-1/4"	Intermediate: 9-5/8" 36# J55 LTC	Brine 10.0 ppg 28 Vis	Top of Lead: Surface 11.5 ppg 2.70 cuft/sk 340 sks - 200% XS Top of Tail: 1,450' 14.4 ppg 1.28 cuft/sk 245 sks - 200% XS	
2,000	1,912 Delaware Mtn Grp						
3,000			8-3/4" 8-1/2" Lateral	Production: 5-1/2" 20# P110 BTC	Curve & Lateral OBM 8.9 - 9.1 ppg 50 - 70 Vis 75/25 OWR	Top of Lead: Surface 11.3 ppg 2.91 cuft/sk 585 sks - 10% XS Top of Tail: 6,100' 13.2 ppg 1.61 cuft/sk 1,765 sks - 10% XS	
4,000							
5,000	5,195 Bone Spring						
6,000	6,121 1st Bone Sprg SS						
7,000	6,601 2nd Bone Sprg SS						
8,000	8,285 3rd Bone Sprg SS 8,684 Wolfcamp 8,774 WCA Top 8,813 WCA Base						
9,000							
							16,290' MD 8,867' TVD

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Intent ☒ As Drilled ☐

NOV 14 2019

API #
30-015-44331

DISTRICT/ARTESIAO.C.D.

Operator Name: CHISHOLM ENERGY OPERATING, LLC	Property Name: DARK CANYON 15-22 WCA	Well Number 7H
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Kick Off Point (KOP)

UL B	Section 15	Township 23S	Range 26E	Lot	Feet 200	From N/S NORTH	Feet 1505	From E/W EAST	County EDDY
Latitude 32.3112935					Longitude 104.2771188			NAD 83	

First Take Point (FTP)

UL A	Section 15	Township 23S	Range 26E	Lot	Feet 330	From N/S NORTH	Feet 900	From E/W EAST	County EDDY
Latitude 32.3109756					Longitude 104.2751622			NAD 83	

Last Take Point (LTP)

UL H	Section 22	Township 23S	Range 26E	Lot	Feet 2254	From N/S NORTH	Feet 900	From E/W EAST	County EDDY
Latitude 32.2909225					Longitude 104.2752282			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit?

☐ NO

Is this well an infill well?

☐ YES

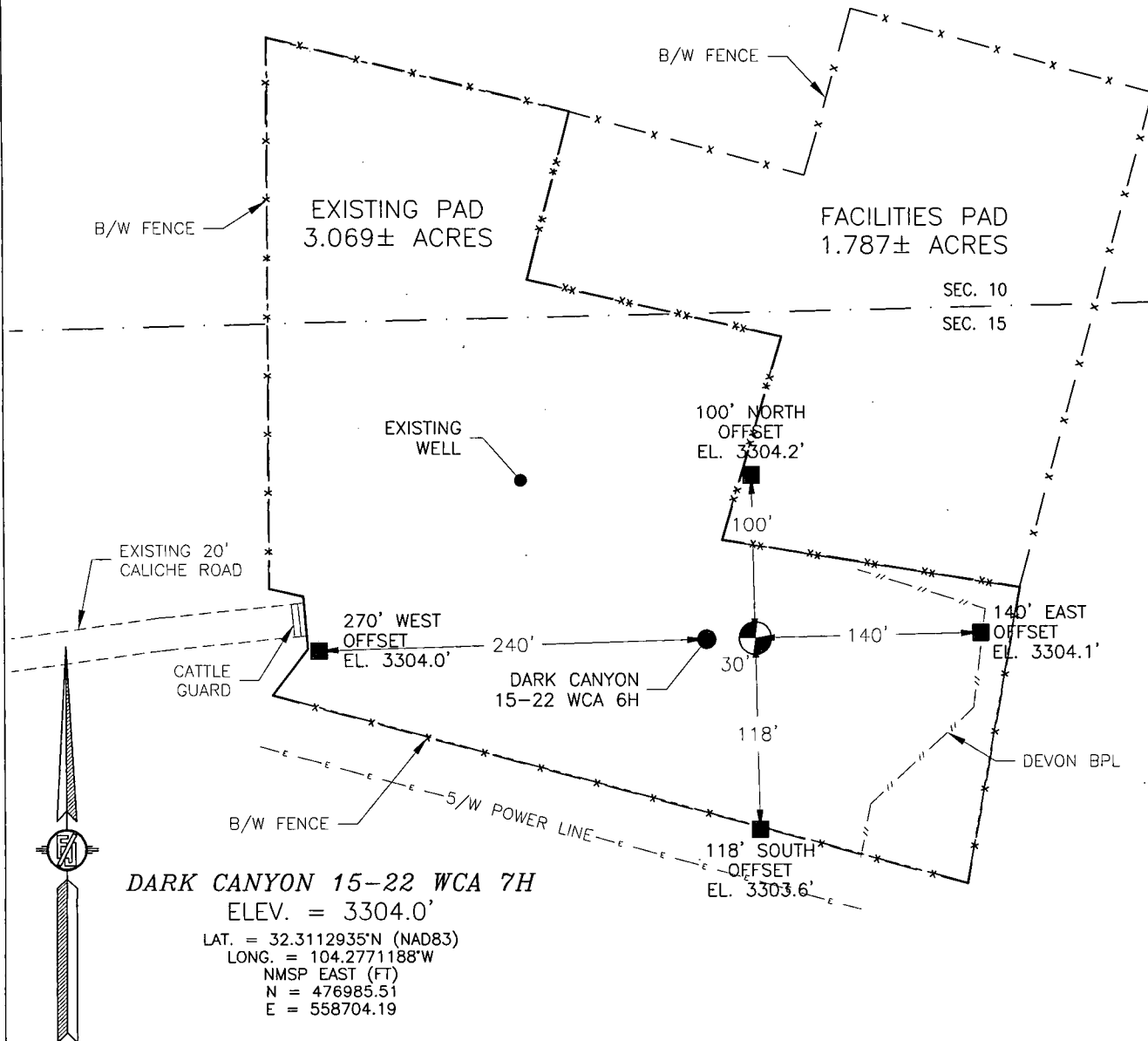
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-44329	Operator Name: CHISHOLM ENERGY OPERATING, LLC	Property Name: DARK CANYON 15-22 WCA STATE COM	Well Number 6H
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KZ 06/29/2018

SECTION 15, TOWNSHIP 23 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
SITE MAP

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE



DARK CANYON 15-22 WCA 7H
ELEV. = 3304.0'

LAT. = 32.3112935°N (NAD83)
LONG. = 104.2771188°W
NMSP EAST (FT)
N = 476985.51
E = 558704.19

010 50 100 200
SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM US HIGHWAY 62-180 AND CR. 408 (DARK CANYON) GO NORTH ON US HIGHWAY 62-180 1.5 MILES, TURN LEFT AND GO WEST ON AIRPORT QUARRY ROAD 0.6 OF A MILE, TURN RIGHT ON CALICHE ROAD AND GO NORTH 0.35 OF A MILE, TURN RIGHT AND GO EAST 763' TO THE SOUTHWEST PAD CORNER FOR THIS LOCATION.

CHISHOLM ENERGY OPERATING, LLC
DARK CANYON 15-22 WCA 7H
LOCATED 200 FT. FROM THE NORTH LINE
AND 1505 FT. FROM THE EAST LINE OF
SECTION 15, TOWNSHIP 23 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

SEPTEMBER 23, 2019

SURVEY NO. 7514A

I, FILMON F. JARAMILLO, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THE SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT IT MEETS THE MINIMUM STANDARDS.

9/23/19

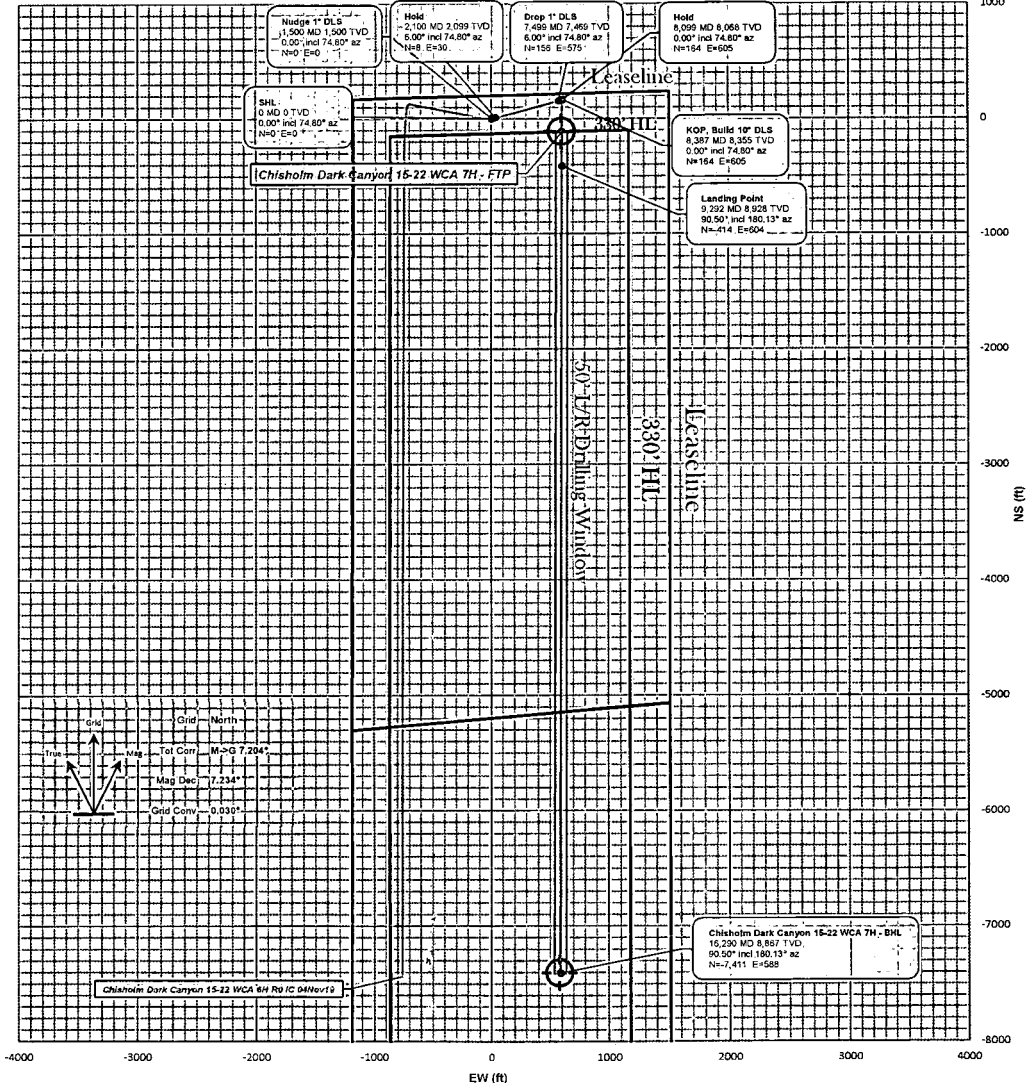
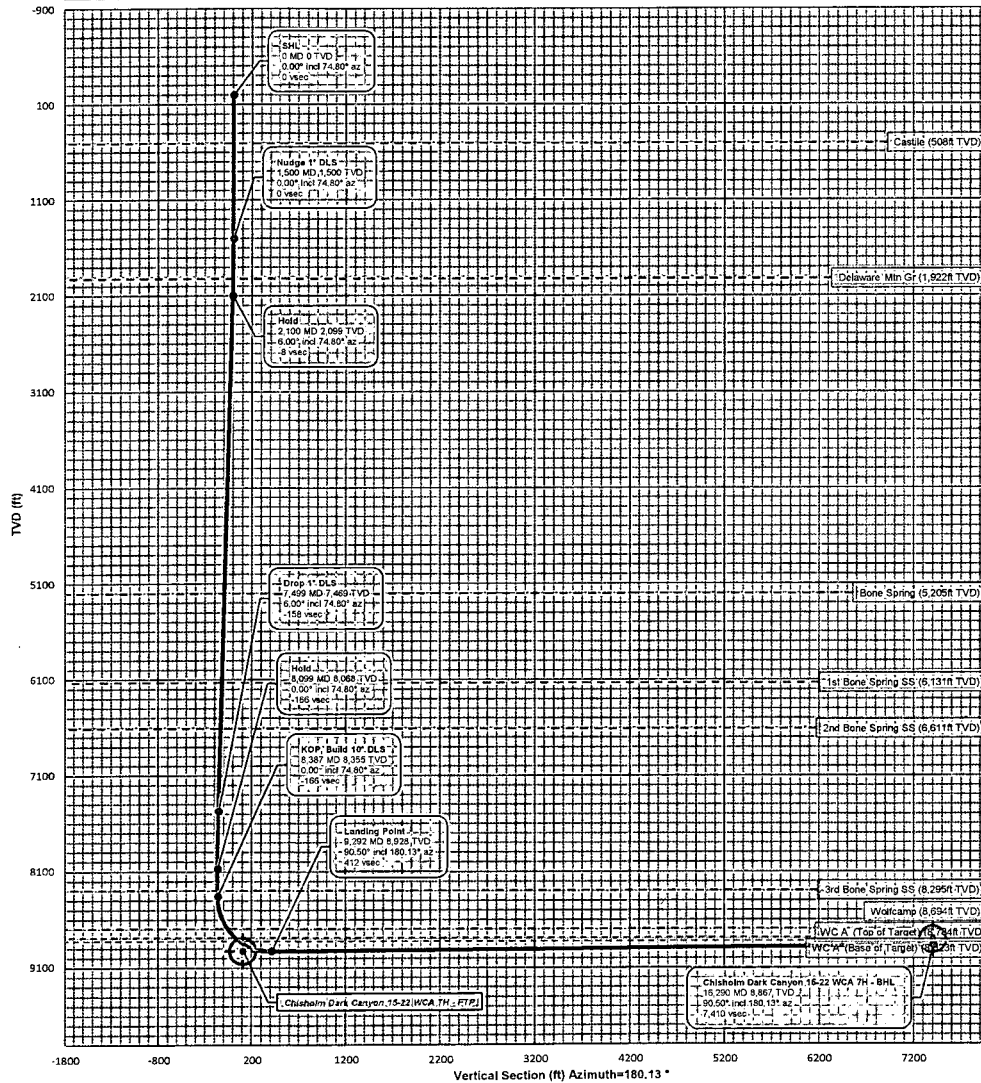
DATE

FILMON F. JARAMILLO, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

BOREHOLE				WELL				FIELD				STRUCTURE									
Dark Canyon 15-22 WCA 7H				Dark Canyon 15-22 WCA 7H				NM Eddy County (NAD 83)				Chisholm Dark Canyon 15-22 WCA 7H									
Critical Point	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (deg/100ft)	GRAVITY & MAGNETICS PARAMETERS				SURFACE LOCATION		NAD83 New Mexico State Plane, Eastern Zone, US Feet						
SHL	0.00	0.00	74.80	0.00	0.00	0.00	0.00		Model	HDGM 2019 GARM	Dip	59.950°	Date	15-Oct-19	Lat	32°18'40.66"N	Northing	478,985.51 ftUS	Grid Conv	0.930°	
13,375 in Casing	1,066.80	0.00	74.80	1,066.80	0.00	0.00	0.00	0.00	MagDec	7.234°	FS	47,826.165nT	Gravity FS	998.463mgN (8.90665 Based)	Lon	104°16'37.63"W	Easting	558,704.19 ftUS	Scale Fact	0.99990944	
Nudge 1" DLS	1,500.00	0.00	74.80	1,500.00	0.00	0.00	0.00	0.00	MISCELLANEOUS												
Hold	2,100.00	6.00	74.80	2,098.60	-8.30	6.23	30.29	1.00	Slot	TVD Reference RKB (3335,000 ft above MSL)											
Drop 1" DLS	7,496.42	8.00	74.80	7,466.74	-157.51	156.21	574.94	0.00	Plan	Chisholm Dark Canyon 15-22 WCA 7H R0 IC 05Nov19				Seabed / Ground Elevation 3304,000 ft above MSL							
Hold	8,096.42	0.00	74.80	8,067.64	-165.81	164.44	605.23	1.00													
8,625 in Casing	8,187.80	0.00	74.80	8,158.03	-165.81	164.44	605.23	0.00													
KOP, Build 10" DLS	8,387.24	0.00	74.80	8,355.47	-165.81	164.44	605.23	0.00													
Landing Point	9,292.24	90.50	180.13	9,928.40	412.15	-413.52	933.92	10.00													
Chisholm Dark Canyon 15-22	16,230.07	90.50	180.13	8,867.34	7,466.71	-7,411.07	588.15	0.00													





Chisholm Dark Canyon 15-22 WCA 7H R0 IC 05Nov19 Anti-Collision Summary Report

Analysis Date-24hr Time: November 05, 2019 - 05:48 PM (UTC 0)
Client: Chisholm
Field: NM Eddy County (NAD 83)
Structure: Chisholm Dark Canyon 15-22 WCA 7H
Slot:
Well: Dark Canyon 15-22 WCA 7H
Borehole: Dark Canyon 15-22 WCA 7H
Scan MD Range: 0.00ft ~ 16290.07ft

Analysis Method: 3D Least Distance
Reference Trajectory: Chisholm Dark Canyon 15-22 WCA 7H R0 IC 05Nov19 (Non-Def Plan)
Depth Interval: Every 10.00 Measured Depth (ft)
Rule Set: NAL Procedure: D&M AntiCollision Standard S002
Min Pts: Absolute minima indicated.
Engine Version: 2019.3.0.2
Database \ Project: Dark Canyon 15-22 WCA 7H-Chisholm

Trajectory Error Model: ISCWSA0 3 - D 95 % Confidence 2.7955 sigma, the latest version of tool error models is to be used.

Offset Trajectories Summary

Offset Selection Criteria

Bounding box scan: minimum Ct-Ct separation <= 500ft
Selection filters: 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	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		

Results highlighted in red: Sep-Factor <= 1.5
Result highlighted in boxed, red and bold: all local minima indicated.

Chisholm Dark Canyon 15-22 WCA 6H R0 IC 04Nov19 (DefinitivePlan)													
	30.01	24.30	28.55	5.71	#####	MAS = 7.41 (m)	0.00	0.00	CtCt<=15m*15.00			Enter Alert	Warning Alert
	30.01	24.30	28.55	5.71	#####	MAS = 7.41 (m)	31.00	31.00				WRP	
	30.01	24.30	19.60	5.71	3.19	MAS = 7.41 (m)	1490.00	1490.00				MinPts	
	30.01	24.30	19.58	5.71	3.22	MAS = 7.41 (m)	1500.00	1500.00				MinPts	
	30.03	24.30	19.56	5.73	3.21	MAS = 7.41 (m)	1510.00	1510.00				MINPT-O-EQU	
	30.16	24.30	20.03	5.86	3.20	MAS = 7.41 (m)	1530.00	1530.00				MinPt-O-SF	
	48.43	24.30	37.91	24.13	4.95	MAS = 7.41 (m)	1830.00	1829.82	CtCt<=15m*15.00			Exit Alert	
	1304.36	64.11	1261.23	1240.25	39.99	OSF 1.50	8387.24	8355.47				MinPt-O-SF	
	1350.00	406.62	1078.59	943.38	4.99	OSF 1.50	13270.00	8893.69	OSF<=5.00			Enter Alert	
	1359.00	443.88	1053.75	906.11	4.57	OSF 1.50	13670.00	8890.20				MinPt-CtCt	
	1350.07	689.59	890.01	660.48	2.94	OSF 1.50	16290.07	8867.34				MinPts	

