

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., Santa Fe, NM 87505
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED

NOV 14 2019

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. 30-015-44329
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 6H
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 <u>B</u> : <u>125</u> feet from the <u>NORTH</u> line and <u>2010</u> feet from the <u>EAST</u> line Section <u>22</u> Township <u>23S</u> Range <u>26E</u> NMPM EDDY County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3308	

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 & 2010 FEL
TO: 200 FNL & 1535 FEL

SHL SECT. CHANGE
FROM: 22
TO: 15

BHL UL CHANGE
FROM: O
TO: G

BHL CHANGE
FROM: 330 FSL & 1350 FEL
TO: 2168 FNL & 2250 FEL

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

PROPOSED TOTAL DEPTH
FROM: 13430'
TO: 16246'

ELEV CHANGE
FROM: 3308 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 07/20/2019

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

For State Use Only

APPROVED BY: Raymond W. Balony TITLE Geologist DATE 11-28-19
Conditions of Approval (if any):

CASING DESIGN CHANGE		DARK CANYON 15-22 WCA STATE COM 6H (30-015-44329)			
		CSG WT/FT	SET DEPTH	SXS CMNT	EST TOC
SURFACE	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	16246	2340	0

Dark Canyon 15-22 WCA 6H

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							
2,000	1,912 Delaware Mtn Grp		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	
3,000							
4,000							
5,000	5,195 Bone Spring						
6,000	6,121 1st Bone Sprg SS						
	6,601 2nd Bone Sprg SS						
7,000							
8,000							
	8,285 3rd Bone Sprg SS 8,684 Wolfcamp 8,774 WCA Top 8,813 WCA Base		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 1,755 sks - 10% XS	
9,000							
							16,246' MD 8,856' TVD

RECEIVED

Intent ☒ As Drilled ☐

NOV 14 2019

DISTRICT/ARTESIAO.C.D.

API # 30-015-44329			Operator Name: CHISHOLM ENERGY OPERATING, LLC			Property Name: DARK CANYON 15-22 WCA			Well Number 6H		
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Kick Off Point (KOP)

UL B	Section 15	Township 23S	Range 26E	Lot	Feet 200	From N/S NORTH	Feet 1535	From E/W EAST	County EDDY	
Latitude 32.3112916					Longitude 104.2772160				NAD 83	

First Take Point (FTP)

UL B	Section 15	Township 23S	Range 26E	Lot	Feet 330	From N/S NORTH	Feet 2250	From E/W EAST	County EDDY	
Latitude 32.3108879					Longitude 104.2795297				NAD 83	

Last Take Point (LTP)

UL G	Section 22	Township 23S	Range 26E	Lot	Feet 2168	From N/S NORTH	Feet 2250	From E/W EAST	County EDDY	
Latitude 32.2908409					Longitude 104.2795970				NAD 83	

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

☒ YES

Is this well an infill well?

☐

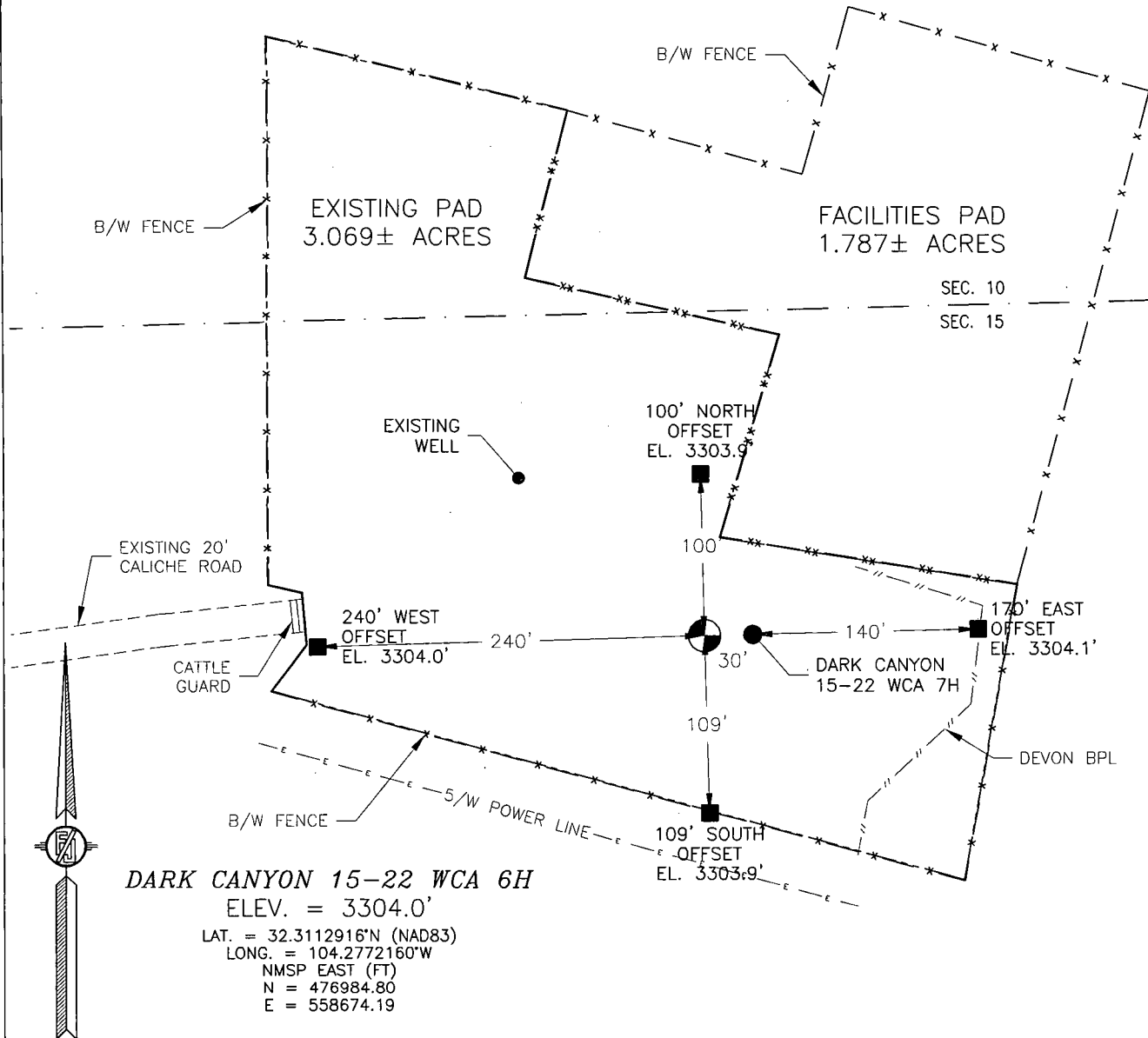
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:		Well Number
Property Name:		

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 6H
ELEV. = 3304.0'

LAT. = 32.3112916°N (NAD83)
LONG. = 104.2772160°W
NMSP EAST (FT)
N = 476984.80
E = 558674.19

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 6H
LOCATED 200 FT. FROM THE NORTH LINE
AND 1535 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. 7513A

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

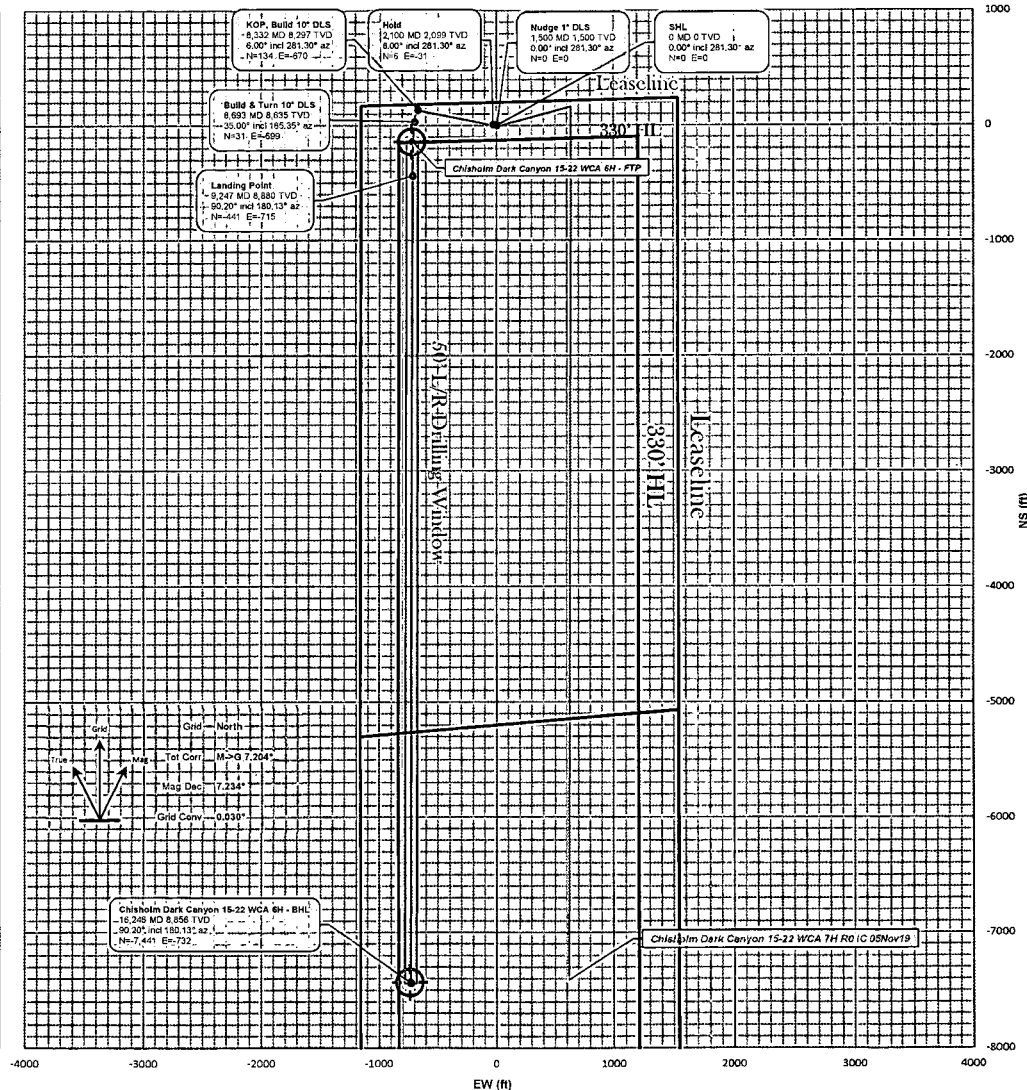
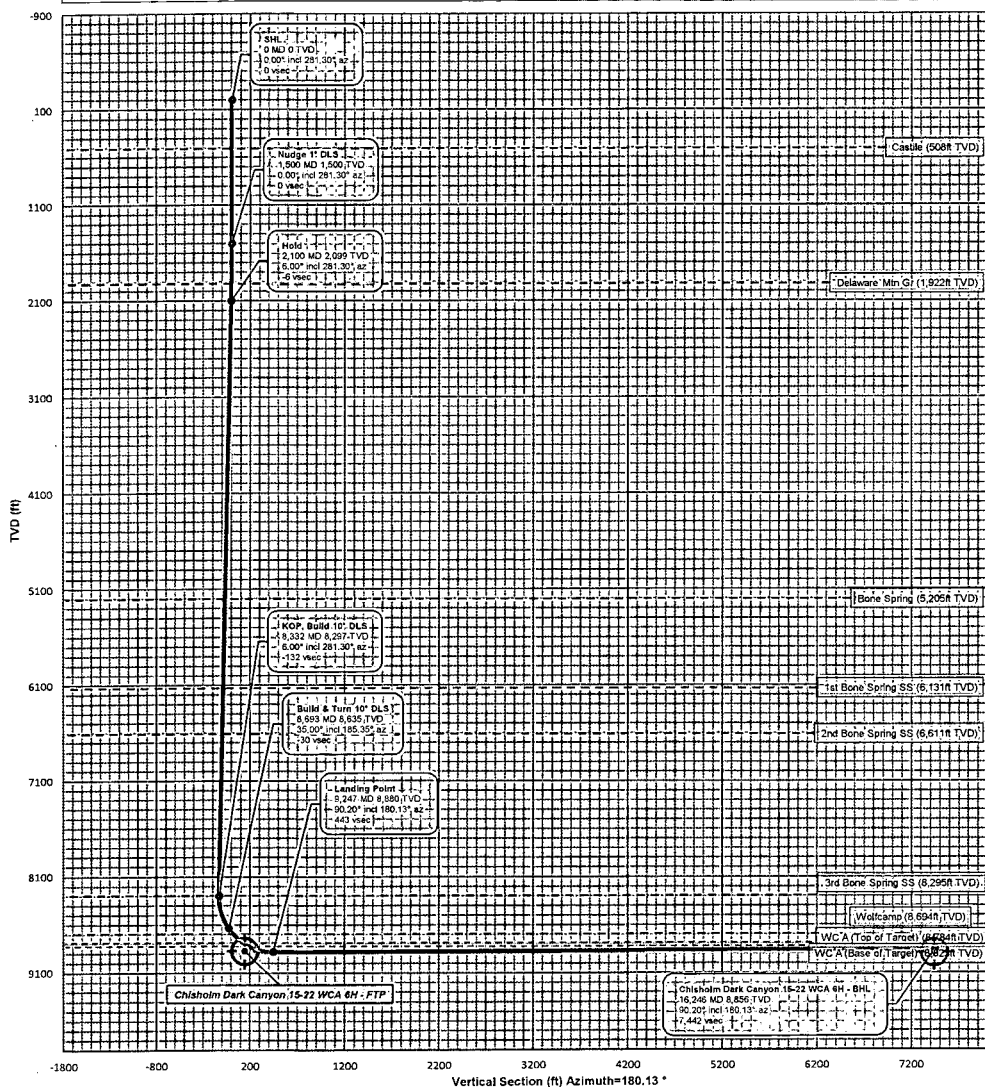
9/23/19
DATE

MAXSON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

BOREHOLE									WELL		FIELD		STRUCTURE							
Dark Canyon 15-22 WCA 6H				Dark Canyon 15-22 WCA 6H					NM Eddy County (NAD 83)			Chisholm Dark Canyon 15-22 WCA 6H								
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	281.30	0.00	0.00	0.00	0.00		Model	HOGM 2019 GARM	Dip	59.950°	Date	15-Oct-19	Lat	32°18'40.65"N	Northing	476,984.80 ftUS	Grid Conv	0.030°
13,375 in Casing	1,085.80	0.00	281.30	1,085.80	0.00	0.00	0.00	0.00	MagDec	7.234°	FS	47,826.145nT	Gravity FS	998.463mgn (9.80665 Based)	Lon	104°16'37.98"W	Easting	558,674.19 ftUS	Scale Fact	0.99990944
Nudge 1" DLS	1,500.00	0.00	281.30	1,500.00	0.00	0.00	0.00	0.00												
Hold	2,100.00	8.00	281.30	2,098.90	-8.08	6.15	-30.78	1.00												
9,625 in Casing	8,187.80	8.00	281.30	8,153.35	-129.35	130.84	-654.79	0.00												
KOP, Build 10" DLS	8,332.32	8.00	281.30	8,297.59	-132.28	133.60	-669.60	0.00												
Build & Turn 10" DLS	8,892.87	35.00	185.35	8,636.27	-28.55	31.13	-698.70	10.00												
Landing Point	9,245.52	90.30	180.13	8,880.45	442.74	-441.12	-715.48	10.00												
Chisholm Dark Canyon 15-22	10,245.21	90.30	180.13	8,856.02	7,442.38	-7,440.74	-731.94	0.00												
									MISCELLANEOUS											
Slot									TVD Reference RKB (3335,000 ft above MSL)											
Plan Chisholm Dark Canyon 15-22 WCA 6H R0 IC 04Nov19									Seabed / Ground Elevation 3304,000 ft above MSL											



Chisholm Dark Canyon 15-22 WCA 6H R0 IC 04Nov19 Anti-Collision Summary Report

Analysis Date-24hr Time: November 05, 2019 - 05:21 PM (UTC 0)
 Client: Chisholm
 Field: NM Eddy County (NAD 83)
 Structure: Chisholm Dark Canyon 15-22 WCA 6H
 Slot:
 Well: Dark Canyon 15-22 WCA 6H
 Borehole: Dark Canyon 15-22 WCA 6H
 Scan MD Range: 0.00ft - 16246.21ft

Analysis Method: 3D Least Distance
 Reference Trajectory: Chisholm Dark Canyon 15-22 WCA 6H R0 IC 04Nov19 (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 6H-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 Dev. (ft)	Sep. Fact.	Controlling Rule	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 7H R0 IC 05Nov19 (DefinitivePlan)													
												Warning Alert	
30.01	24.30	28.55	5.71	#####		MAS = 7.41 (m)	0.00	0.00	CtCt<=15m<15.00			Enter 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	19.96	5.71	3.22		MAS = 7.41 (m)	1500.00	1500.00				MinPts	
30.03	24.30	19.96	5.73	3.21		MAS = 7.41 (m)	1510.00	1510.00				MINPT-O-EQU	
30.16	24.30	20.03	5.96	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				Exit Alert	
1305.21	64.64	1261.78	1240.57	30.75		OSF 1.50	8332.32	8297.08	CtCt<=15m<15.00			MinPt-O-SF	
1350.00	406.38	1078.75	943.62	4.99		OSF 1.50	13190.00	8866.69	OSF<5.00			Enter Alert	
1350.00	443.64	1053.91	906.35	4.57		OSF 1.50	13590.00	8865.29				MinPt-CtCt	
1350.34	690.67	889.57	659.68	2.93		OSF 1.50	16240.00	8856.04				MINPT-O-EQU	
1350.48	690.67	889.57	658.61	2.93		OSF 1.50	16246.21	8856.02				MinPts	

[illegible]

Component	MC (°)	RA (h)	Dec (°)	TYP	Y2000 RA (h)	Y2000 DEC (°)	VBRIC (m)	VB (m)	EH (m)	Working Height (m)	Existing Height (m)	Lat diff (m)	Longitude (°)	D.L. (m)	RM (mm)	TR (mm)
Base	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	1:50:00	1:59:06	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	2:00:00	1:59:06	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1" DLS	1:50:00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Base	0.00	0.00	78:30	0.00	0.00	0.00	0.00	0.00	0.00	176.86	558.67	18	32.31	-154.78	0.00	0.00
Neagle 1"																

Survey Type:	Cost Price:
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Survey Error Model: BCPWAD 3 - 01 95 % Confidence 2 7900 spins
Survey Program:

De 42

		197	198	199	200	201	202
	1	8 015	1 859 000	1 000 000	11 500	NAL_MAND_13_DEG	Dist Canyon 15 23 WCA BH (1 C)
		1 508 000	8 332 125	10 910 000	12 250	NAL_MAND_10_DEG	Dist Canyon 15 23 WCA BH (1 C)
	1	2 352 125	8 248 575	10 100 000	8 755	NAL_MAND_13_DEG	Dist Canyon 15 23 WCA BH (1 C)
		8 248 575	18 246 215	17 000 000	8 500	NAL_MAND_10_DEG	Dist Canyon 15 23 WCA BH (1 C)

[illegible]

Survey Type	Dial Plan
Survey Error Message Survey Program	ISDN043.D - 95 % Confirms 27568 Ignor MD To Part MD From ECU Fee Hole Size Ceiling Diameter Expanded Max Location Survey Tool type Binomial / Survey