Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMNM126490

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☑ Single Zone ☐ Multiple Zone

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

8. Lease Name and Well No.
DL 10 3 KRAKEN FED COM **[331068]**
208H

2. Name of Operator
CHEVRON USA INCORPORATED **[4323]**

9. API Well No.
30-025-49079

3a. Address
PO BOX 2100, DENVER, CO 80201-2100

3b. Phone No. *(include area code)*
(303) 793-4602

10. Field and Pool, or Exploratory **[97846]**
RED TANK/BONE SPRING EAST

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface SESW / 370 FSL / 1815 FWL / LAT 32.400054 / LONG -103.562983
At proposed prod. zone NWNW / 25 FNL / 1254 FWL / LAT 32.428019 / LONG -103.564805

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 10/T22S/R33E/NMP

14. Distance in miles and direction from nearest town or post office*
29 miles

12. County or Parish
LEA

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
370 feet

16. No of acres in lease

17. Spacing Unit dedicated to this well
640.0

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
1020 feet

19. Proposed Depth
9420 feet / 20467 feet

20. BLM/BIA Bond No. in file
FED: ES0022

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3557 feet

22. Approximate date work will start*
12/31/2020

23. Estimated duration
130 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature
(Electronic Submission)

Name *(Printed/Typed)*
LAURA BECERRA / Ph: (432) 687-7866

Date
05/21/2020

Title
Permitting Specialist

Approved by *(Signature)*
(Electronic Submission)

Name *(Printed/Typed)*
Cody Layton / Ph: (575) 234-5959

Date
04/02/2021

Title
Assistant Field Manager Lands & Minerals

Office
Carlsbad Field Office

Application approval 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.
Conditions of approval, if any, are attached.

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.

GCP Rec 05/11/2021

APPROVED WITH CONDITIONS

KZ
06/23/2021

SL

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 04/02/2021

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the wen, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionany drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service wen or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record win be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM conects this information to anow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Conection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

(Continued on page 3)

Approval Date: 04/02/2021

Additional Operator Remarks

Location of Well

0. SHL: SESW / 370 FSL / 1815 FWL / TWSP: 22S / RANGE: 33E / SECTION: 10 / LAT: 32.400054 / LONG: -103.562983 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 365 FNL / 1254 FWL / TWSP: 22S / RANGE: 33E / SECTION: 10 / LAT: 32.412554 / LONG: -103.5648 (TVD: 9496 feet, MD: 9948 feet)

PPP: SWNW / 1505 FNL / 1254 FWL / TWSP: 22S / RANGE: 33E / SECTION: 10 / LAT: 32.40943 / LONG: -103.5648 (TVD: 9496 feet, MD: 9948 feet)

PPP: SWSW / 25 FSL / 1254 FWL / TWSP: 22S / RANGE: 33E / SECTION: 10 / LAT: 32.399107 / LONG: -103.5648 (TVD: 9496 feet, MD: 9948 feet)

BHL: NWNW / 25 FNL / 1254 FWL / TWSP: 22S / RANGE: 33E / SECTION: 3 / LAT: 32.428019 / LONG: -103.564805 (TVD: 9420 feet, MD: 20467 feet)

BLM Point of Contact

Name: Candy Vigil
Title: LIE
Phone: (575) 234-5982
Email: cvigil@blm.gov

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

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
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
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

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-49079	97846	WC-025 G-06 S223322J;BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
331068	DL 10 3 KRAKEN FED COM	208H

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	3557'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	10	22 SOUTH	33 EAST, N.M.P.M.		370'	SOUTH	1815'	WEST	LEA

[11] 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
D	3	22 SOUTH	33 EAST, N.M.P.M.		25'	NORTH	1254'	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640			

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.

[16]

PROPOSED LAST TAKE POINT		
X=	737,280'	NAD 27
Y=	520,161'	
LAT.	32.427689° N	
LONG.	103.564319° W	
X=	778,462'	NAD83/86
Y=	520,222'	
LAT.	32.427812° N	
LONG.	103.564805° W	

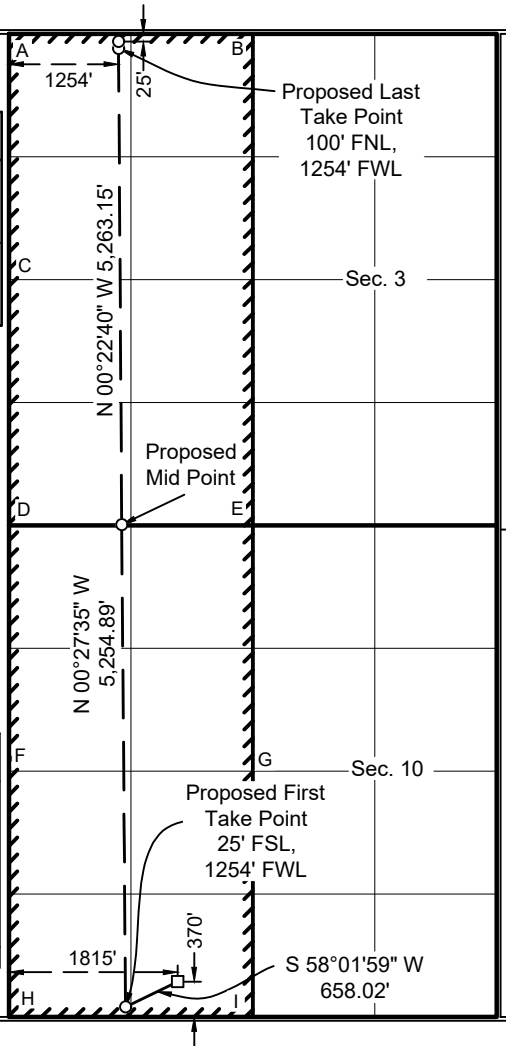
PROPOSED MID POINT		
X=	737,314'	NAD 27
Y=	514,973'	
LAT.	32.413428° N	
LONG.	103.564329° W	
X=	778,497'	NAD83/86
Y=	515,034'	
LAT.	32.413552° N	
LONG.	103.564814° W	

PROPOSED FIRST TAKE POINT		
X=	737,357'	NAD 27
Y=	509,718'	
LAT.	32.398984° N	
LONG.	103.564315° W	
X=	778,539'	NAD83/86
Y=	509,779'	
LAT.	32.399107° N	
LONG.	103.564800° W	

PROPOSED BOTTOM HOLE LOCATION		
X=	737,280'	NAD 27
Y=	520,236'	
LAT.	32.427895° N	
LONG.	103.564319° W	
X=	778,462'	NAD83/86
Y=	520,297'	
LAT.	32.428019° N	
LONG.	103.564805° W	

CORNER COORDINATES TABLE (NAD 27)
A - Y=520252.31, X=736025.52
B - Y=520270.92, X=738667.82
C - Y=517604.12, X=736041.63
D - Y=514965.47, X=736060.36
E - Y=514981.57, X=738703.50
F - Y=512324.66, X=736081.66
G - Y=512341.28, X=738723.06
H - Y=509685.81, X=736102.72
I - Y=509701.75, X=738742.61

DL 10 3 KRAKEN FED COM 208H WELL		
X=	737,915'	NAD 27
Y=	510,067'	
LAT.	32.399930° N	
LONG.	103.562499° W	
X=	779,097'	NAD83/86
Y=	510,127'	
LAT.	32.400054° N	
LONG.	103.562983° W	
ELEV.	+3,557'	NAVD88



[17] 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.

Signature 5/7/2020 Date

Laura Becerra
Printed Name

LBecerra@Chevron.com
E-mail Address

[18] 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.

09/25/2019
Date of Survey

Signature and Seal of Professional Surveyor:

STEVEN M. COLEMAN NEW MEXICO 22921 PROFESSIONAL SURVEYOR

04/02/2020

Certificate Number

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit Original to Appropriate District Office

GAS CAPTURE PLAN

X Original Operator & OGRID No.: CHEVRON U S A INC 4323
☐ Amended Date: 02/10/2020
Reason for Amendment:

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: A C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule 19.15.18.12.A

Well(s)/Production Facility – DAGGER LAKE CTB 4

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
DL 10 3 KRAKEN FED COM 207H	Pending	UL:O, SEC 4, T22S-R33E	264' FSL, 1347' FEL	4,135	0	
DL 10 3 KRAKEN FED COM 208H	Pending **30-025-49079**	UL:P, SEC 4, T22S-R33E	264' FSL, 1297' FEL	4,135	0	
DL 10 3 KRAKEN FED COM 209H	Pending	UL:P, SEC 4, T22S-R33E	264' FSL, 1247' FEL	4,135	0	

Gathering System and Pipeline Notification
These wells will first flow to a satellite facility located in S10, T22S-R33E for well testing purposes, the produced fluid and gas will then be sent to Chevron's Dagger Lake CTB #4 production facility and compressor station located in Sec 4, T22S-R33E, Lea County, New Mexico during flowback and production. MarkWest will provide takeaway for the gas produced from the production facility.

Flowback Strategy
After the fracture treatment/completion operations, wells will be turned to permanent production facilities. Wells will have temporary sand catchers (separators) that will be installed at the well location to prevent sand from getting into the flowlines. These sand separators will be blown down periodically which will result in minimal venting of gas. Gas sales will start as soon as the wells start flowing through the production facilities unless there are operational issues with MarkWest's system at that time. Based on current information, it is Chevron's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring
Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- NGL Removal – On lease and trucked from condensate tanks
  - Plants are expensive and uneconomical to operate when gas volume declines.
  - Any residue gas that results in the future may be flared.

ONSHORE ORDER NO. 1
Chevron USA Inc
DL 10 3 Kraken FED COM 208H
Lea County, NM

CONFIDENTIAL -- TIGHT HOLE
DRILLING PLAN
PAGE: 1

Pad Summary

The table below lists all the wells for the given pad and their respective name and TVD's (ft) for their production target intervals:

Well Name(s)	Target TVD	Formation Desc.
DL 10 3 Kraken FED COM 207H	9,500	Avalon
DL 10 3 Kraken FED COM 208H	9,496	Avalon
DL 10 3 Kraken FED COM 209H	9,494	Avalon

1. **FORMATION TOPS**

The estimated tops of important geologic markers are as follows:
Elevation: 3558 ft

FORMATION	SUB-SEA TVD	TVD	MD	LITHOLOGIES	MIN. RESOURCES	PROD. FORMATION
Rustler	2260	1,298	1,298	DOLOMITE	N/A	
Castile	183	3,375	3,375	SALT/ANYDRITE	N/A	
Capitan Reef	-309	3,867	3,867	LIMESTONE	N/A	
Lamar	-1311	4,869	4,869	LIMESTONE	N/A	
Bell Canyon	-1429	4,987	4,987	SAND STONE	N/A	
Cherry Canyon	-2241	5,799	5,799	SAND STONE	N/A	
Brushy Canyon	-3494	7,052	7,052	SAND STONE	N/A	
Bone Spring	-5274	8,832	8,900	SHALE/LIMESTONE	Oil	
Upper Avalon	-5912	9,470	9,610	SHALE	Oil	
Upper Avalon Target 1	-5949	9,507	20,467	SHALE	Oil	

WELLBORE LOCATIONS	SUB-SEA TVD	RKB TVD	MD
SHL	3558	-	-
KOP	-5361	8,919	9,041
FTP	-5938	9,496	9,948
LTP	-5862	9,420	20,392

2. **ESTIMATED DEPTH OF WATER, OIL, GAS & OTHER MINERAL BEARING FORMATIONS**

The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	Depth
Deepest Expected Base of Fresh Water		900
Water	Cherry Canyon	4,987
Oil/Gas	Brushy Canyon	5,799
Oil/Gas	Avalon	8,832

All shows of fresh water and minerals will be reported and protected.

3. **BOP EQUIPMENT**

Chevron will have a minimum of a 5,000 psi rig stack (see proposed schematic) for drill out below surface casing. The stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, intermediate, and production will take place. A full BOP test will be performed per hole section, unless approval from BLM is received otherwise. Flex choke hose will be used for all wells on the pad (see attached specs and variance). BOP test will be conducted by a third party.

Chevron requests a variance to use a FMC Technologies UH-S Multibowl wellhead, which will be run through the rig floor on surface casing. BOPE will be nippled up and tested after cementing surface casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC Technologies and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal. All tests performed by third party.

4. **CASING PROGRAM**

Proposed	Hole Size	Casing Size	Top (MD)	Btm (MD)	Top (TVD)	Btm (TVD)	*Top (SSTVD)*	*Btm (SSTVD)*	Grade	Weight	Joint type
Surface	16"	13-3/8"	0'	1,300'	0'	1,300'	3,558'	2,258'	J-55	54.5 #	BTC
Intermediate	12-1/4"	9-5/8"	0'	4,865'	0'	4,865'	3,558'	-1,307'	L80IC	40.0 #	LTC
Production	8-1/2"	5-1/2"	0'	20,467'	0'	9,520'	3,558'	-5,962'	P110	20.0 #	TXP-BTC

b. **Casing design subject to revision based on geologic conditions encountered.**

c. **A "Worst Case" casing design for wells in a particular area is used below to calculate the Casing Safety Factors. If for any reason the casing design for a particular well requires setting casing deeper than the following "worst case" design, then the Casing Safety Factors will be recalculated & sent to the BLM prior to drilling.**

d. **Chevron will fill casing at a minimum of every 20 jts (~840') while running for intermediate and production casing in order to maintain collapse SF.**

SF Calculations based on the following "Worst Case" casing design:

Surface Casing:	1,550'	ftTVD
Intermediate Casing:	5,217'	ftTVD
Production Casing:	23,551'	ftMD

Casing String	Min SF Burst	Min SF Collapse	Min SF Tension	Min SF Tri-Axial
Surface	1.65	1.59	1.64	1.88
Intermediate	1.67	3.62	2.72	2.07
Production	1.29	1.75	2.16	1.54

The following worst case load cases were considered for calculation of the above Min. Safety Factors:

Burst Design	Surf	Int	Prod
Pressure Test- Surface, Int, Prod Csg P external: Mud weight above TOC, PP below P internal: Test psi + next section heaviest mud in csg	X	X	X
Displace to Gas- Surf Csg P external: Mud weight above TOC, PP below P internal: Dry Gas from Next Csg Point	X		
Gas over mud (60/40) - Int Csg P external: Mud weight above TOC, PP below P internal: 60% gas over 40% mud from hole TD PP		X	
Stimulation (Frac) Pressures- Prod Csg P external: Mud weight above TOC, PP below P internal: Max inj pressure w/ heaviest injected fluid			X
Tubing leak- Prod Csg (packer at KOP) P external: Mud weight above TOC, PP below P internal: Leak just below surf, 8.45 ppg packer fluid			X
Collapse Design	Surf	Int	Prod
Full Evacuation P external: Mud weight gradient P internal: none	X	X	X
Cementing- Surf, Int, Prod Csg P external: Wet cement P internal: displacement fluid - water	X	X	X
Tension Design	Surf	Int	Prod
100k lb overpull	X	X	X

5. **CEMENTING PROGRAM**

Slurry	Type	Top	Bottom	*Sacks*	Yield	Density	%Excess	Water	*Volume*	Additives
Surface					(cu ft/sk)	(ppg)	Open Hole	gal/sk	cuft	
Lead	Class C	0'	800'	662	1.69	12.8	125	8.92	1119	Extender, Antifoam, Retarder
Tail	Class C	800'	1,300'	1321	1.34	14.8	125	6.40	1770	Extender, Antifoam, Retarder
Intermediate Csg										
Lead	Class C	0'	3,865'	946	2.56	11.9	100	14.66	2421	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	3,865'	4,865'	382	1.33	14.8	50	6.38	507	Extender, Antifoam, Retarder, Viscosifier
Production										
Lead 1	Class C	800'	8,500'	996	2.49	11.5	50	14.07	2480	Extender, Antifoam, Retarder, Viscosifier
Lead 2	Class C	8,500'	19,467'	1833	1.85	13.2	35	9.87	3392	Extender, Antifoam, Retarder, Viscosifier
Tail	Acid Sol Class H	19,467'	20,467'	115	2.19	15	10	9.54	252	Extender, Antifoam, Retarder, Viscosifier

CONTINGENCY CEMENT OPTIONS

Intermediate Csg	Foam Cement Contingency									
Cap	Class C	0'	562'	146	1.33	13.2	10	6.55	194	Extender, Antifoam, Retarder, Viscosifier
Foam Lead	Class C	562'	4,459'	1835	1.33	9.5	100	14.66	2441	Nitrogen, Surfactant, Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	4,459'	4,865'	133	1.33	13.2	10	6.38	178	Extender, Antifoam, Retarder, Viscosifier
Top Out Contingency	Class C	0'	400'	19	1.3	14.8	10	6.38	25	Extender, Antifoam, Retarder, Viscosifier

CONTINGENCY CEMENT OPTIONS

Intermediate Csg	2 Stage Contingency									
1st Stage Lead (Contingent)	Class C	0'	3,865'	946	2.56	11.9	100	14.66	2421	Extender, Antifoam, Retarder, Viscosifier
1st Stage Tail	Class C	3,865'	4,865'	382	1.33	14.8	50	6.38	507	Extender, Antifoam, Retarder, Viscosifier
2nd Stage Lead	Class C	0'	2,865'	701	2.56	11.9	100	14.66	1795	Extender, Antifoam, Retarder, Viscosifier
2nd Stage Tail	Class C	2,865'	3,865'	382	1.33	14.8	50	6.38	507	Extender, Antifoam, Retarder, Viscosifier

DV TOOL LOCATED AT ~3,865

1. Final cement volumes will be determined by caliper.
2. Surface casing shall have at least one centralizer installed on each of the bottom three joints starting with the shoe joint.
3. Production casing will have one solid body type centralizer on every joint in the lateral, then every other joint to KOP. Bowspring type centralizers will be run from KOP to intermediate casing and surface.

6. **MUD PROGRAM**

From	To	Type	Weight	Viscosity	Filtrate	Notes
0'	1,300'	Fresh water mud	8.3 - 9.0	28-30	N/C	
1,300'	4,865'	Brine/OBM	8.3 - 10.5	28-31	15-25	
4,865'	20,467'	OBM	8.3 - 10.5	28-60	15-25	Due to wellbore stability in the lateral well, MW will be adjusted as needed to ensure the hole doesn't collapse.

A closed system will be used consisting of above ground steel tanks. All wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill.

All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations. And transportating of E&P waste will follow EPA regulations and accompanying manifests.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate.

7. **TESTING, LOGGING, AND CORING**

The anticipated type and amount of testing, logging, and coring are as follows:

TYPE	Logs	Interval	Timing
Mudlogs	2 man mudlog	Surface casing shoe through prod hole TD	While drilling or circulating
LWD	MWD Gamma	Int. and Prod. Hole	While Drilling

8. **ABNORMAL PRESSURES AND HYDROGEN SULFIDE**

a. No abnormal pressure or temperatures are expected. Estimated BHP is: 4,363 psi
b. Hydrogen sulfide gas is not anticipated. An H2S Contingency plan is attached with this APD in the event that H2S is encountered

H_2S Preparedness and Contingency Plan Summary

Training

MCBU Drilling and Completions H_2S training requirements are intended to define the minimum level of training required for employees, contractors and visitors to enter or perform work at MCBU Drilling and Completions locations that have known concentrations of H_2S.

Awareness Level

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of H_2S, who are not required to perform work in H_2S areas, will be provided with an awareness level of H_2S training prior to entering any H_2S areas. At a minimum, awareness level training will include:

1. Physical and chemical properties of H_2S
2. Health hazards of H_2S
3. Personal protective equipment
4. Information regarding potential sources of H_2S
5. Alarms and emergency evacuation procedures

Awareness level training will be developed and conducted by personnel who are qualified either by specific training, educational experience and/or work-related background.

Advanced Level H_2S Training

Employees and contractors required to work in areas that may contain H_2S will be provided with Advanced Level H_2S training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level H_2S training will include:

1. H_2S safe work practice procedures;
2. Emergency contingency plan procedures;
3. Methods to detect the presence or release of H_2S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H_2S equipment.
4. Basic overview of respiratory protective equipment suitable for use in H_2S environments. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program;
5. Basic overview of emergency rescue techniques, first aid, CPR and medical evaluation procedures. Employees who may be required to perform “standby” duties are required to receive additional first aid and CPR training, which is not covered in the Advanced Level H_2S training;
6. Proficiency examination covering all course material.

Advanced H_2S training courses will be instructed by personnel who have successfully completed an appropriate H_2S train-the-trainer development course (ANSI/ASSE Z390.1-2006) or who possess significant past experience through educational or work-related background.

H_2S Preparedness and Contingency Plan Summary

H_2S Training Certification

All employees and visitors will be issued an H_2S training certification card (or certificate) upon successful completion of the appropriate H_2S training course. Personnel working in an H_2S environment will carry a current H_2S training certification card as proof of having received the proper training on their person at all times.

Briefing Area

A minimum of two briefing areas will be established in locations that at least one area will be up-wind from the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated upwind briefing areas for instructions.

H_2S Equipment

Respiratory Protection

a) Six 30 minute SCBAs – 2 at each briefing area and 2 in the Safety Trailer.

b) Eight 5 minute EBAs – 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

Visual Warning System

a) One color code sign, displaying all possible conditions, will be placed at the entrance to the location with a flag displaying the current condition.

b) Two windsocks will be on location, one on the dog house and one on the Drill Site Manager's Trailer.

H_2S Detection and Monitoring System

a) H_2S monitoring system (sensor head, warning light and siren) placed throughout rig.

- Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
- Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.

H_2S Preparedness and Contingency Plan Summary

Well Control Equipment

a) Flare Line 150' from wellhead with igniter.

b) Choke manifold with a remotely operated choke.

c) Mud / gas separator

Mud Program

In the event of drilling, completions, workover and well servicing operations involving a hydrogen sulfide concentration of 100 ppm or greater the following shall be considered:

1. Use of a degasser
2. Use of a zinc based mud treatment
3. Increasing mud weight

Public Safety - Emergency Assistance

Agency	Telephone Number
Lea County Sheriff's Department	575-396-3611
Fire Department:	
Carlsbad	575-885-3125
Artesia	575-746-5050
Lea County Regional Medical Center	575-492-5000
Jal Community Hospital	505-395-2511
Lea County Emergency Management	575-396-8602
Poison Control Center	800-222-1222

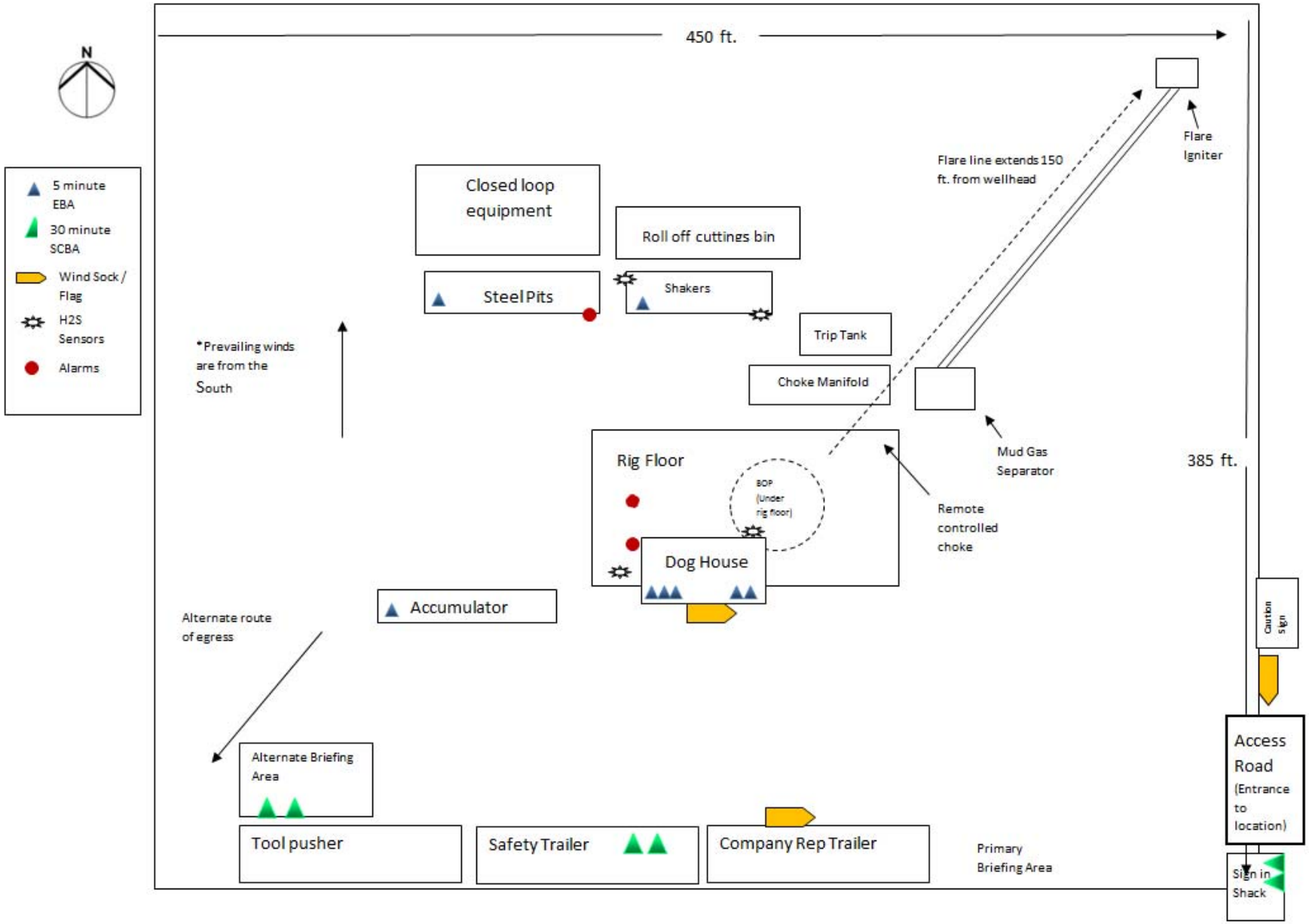
H_2S Preparedness and Contingency Plan Summary

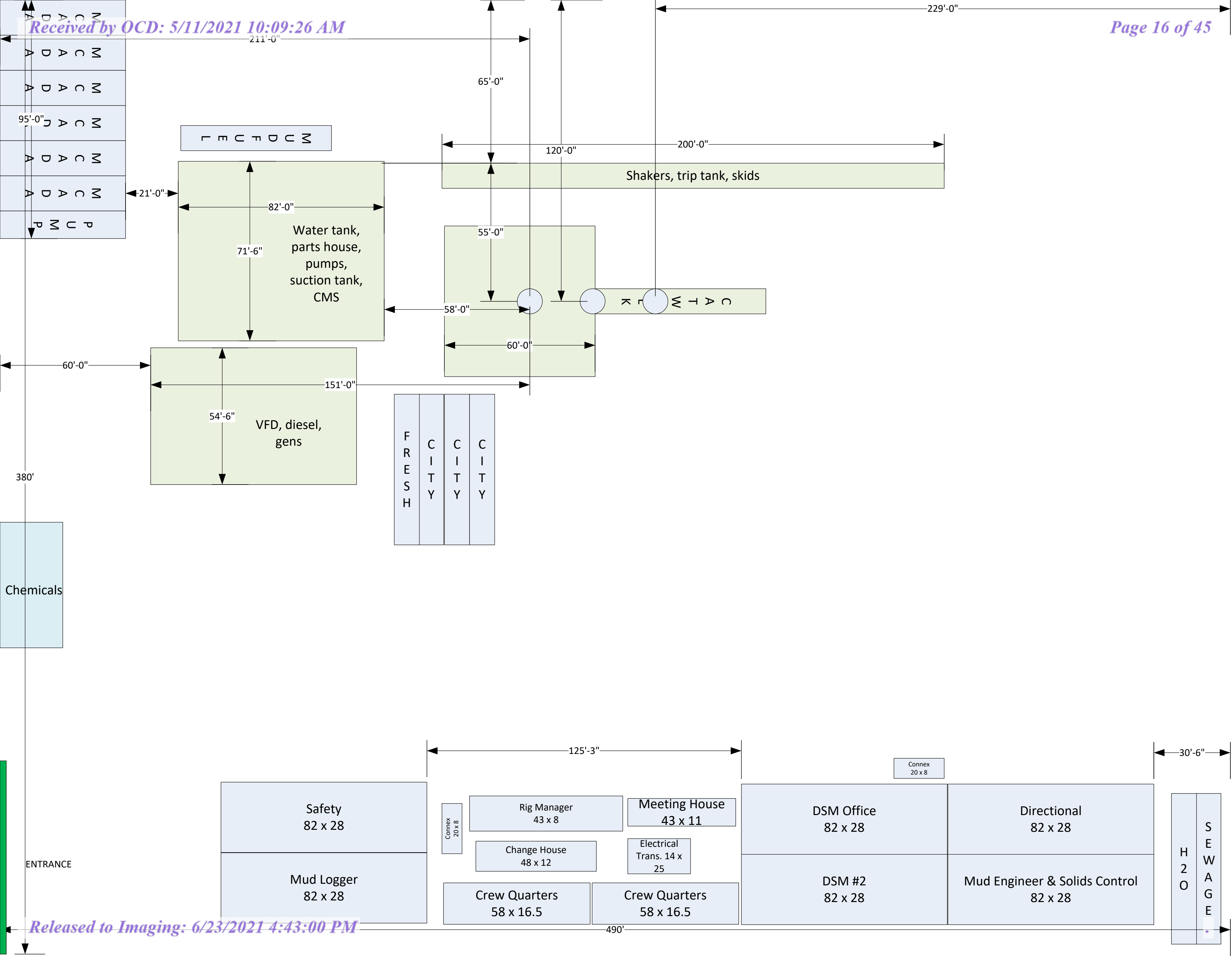
Chevron MCBU D&C Emergency Notifications

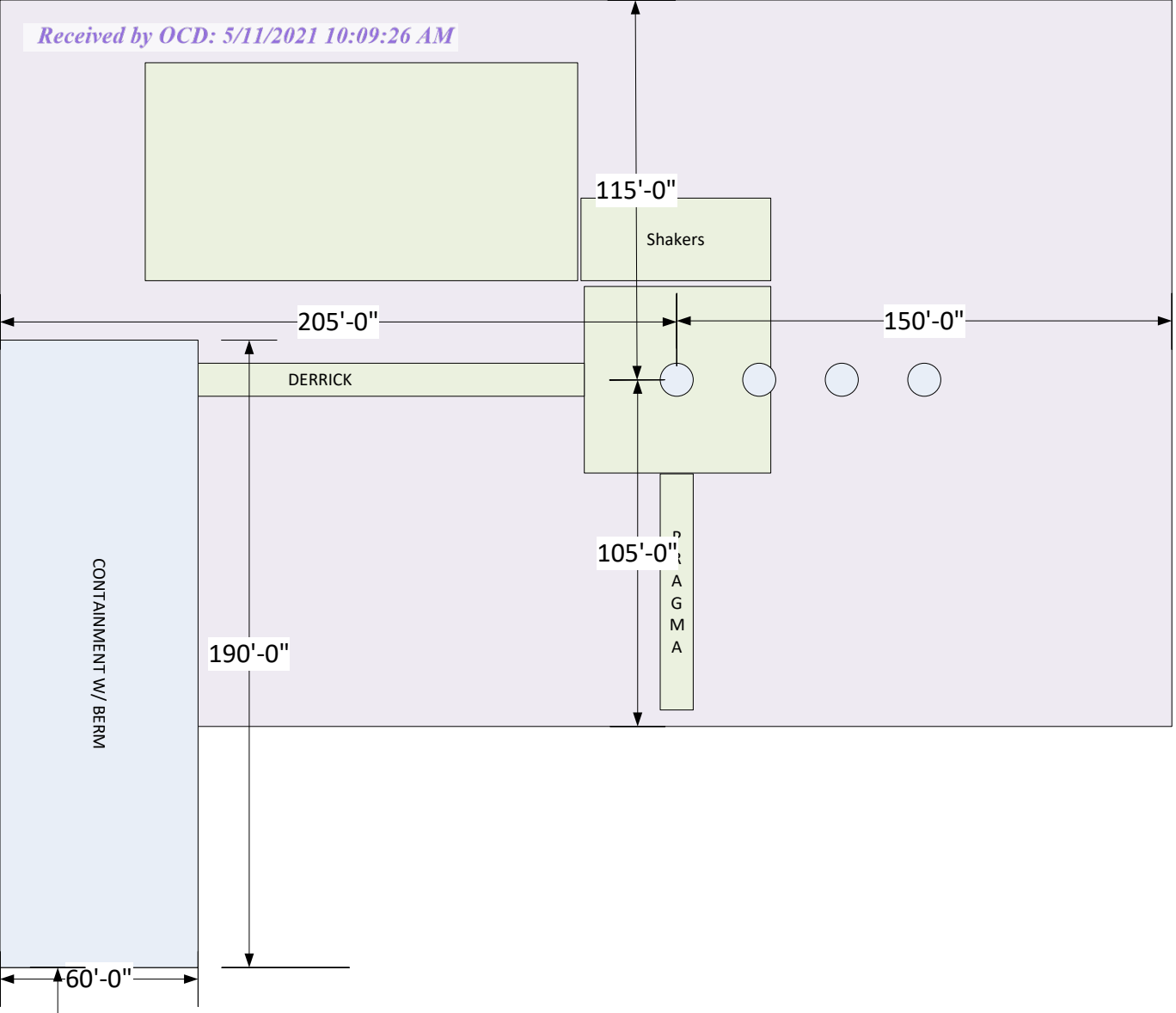
Below are lists of contacts to be used in emergency situations.

	Name	Title	Office Number	Cell Phone
1.	**TBD**	Drilling Engineer		
2.	TBD	Superintendent		
5.	Steve Hassmann	Drilling Manager	(713) 372-4496	832-729-3236
6.	Kyle Eastman	Operations Manager	TBD	281-755-6554
7.	TBD	D&C HES		
8.	TBD	Completion Engineer		

H_2S Preparedness and Contingency Plan Summary




229'-0"
211'-0"
65'-0"
95'-0"
120'-0"
200'-0"
Shakers, trip tank, skids
21'-0"
82'-0"
Water tank,
parts house,
pumps,
suction tank,
CMS
71'-6"
55'-0"
58'-0"
60'-0"
60'-0"
151'-0"
54'-6"
VFD, diesel,
gens
FRESH
CITY
CITY
CITY
380'
Chemicals
125'-3"
30'-6"
Connex 20 x 8
Safety
82 x 28
Mud Logger
82 x 28
ENTRANCE
Connex 20 x 8
Rig Manager
43 x 8
Meeting House
43 x 11
Change House
48 x 12
Electrical Trans. 14 x 25
Crew Quarters
58 x 16.5
Crew Quarters
58 x 16.5
DSM Office
82 x 28
DSM #2
82 x 28
Directional
82 x 28
Mud Engineer & Solids Control
82 x 28
H2O
SEWAGE
490'


115'-0"
Shakers
205'-0"
150'-0"
DERRICK
105'-0"
PAGMA
190'-0"
CONTAINMENT W/ BERM
60'-0"
82'-0"

ENTRANCE

Planned Wellpath Report

DL 10 3 Kraken Fed Com No. 208H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chevron U.S.A. Inc.**	Well	**DL 10 3 Kraken Fed Com No. 208H**
Field	**Bone Spring (Lea County, NM) NAD27**	API/Legal	
Facility	**Dagger Lake Kraken Fed Com Pad**	Wellbore	**DL 10 3 Kraken Fed Com No. 208H**
Slot	**DL 10 3 Kraken Fed Com No. 208H**		

REPORT SETUP INFORMATION			
Projection System	**NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet**	Software System	**WellArchitect® 6.0**
North Reference	**Grid**	User	**Moyagusa**
Scale	**0.999974**	Report Generated	**06/Apr/2020** at **15:20**
Convergence at slot	**0.41° East**	Database	**WA_HOU_Midland_Defn**

WELLPATH LOCATION	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	**East[ft]**	**Easting[US ft]**	**Northing[US ft]**	**Latitude**	**Longitude**
Slot Location	0.00	25.00	**737915.00**	**510067.00**	32°23'59.7517"N	103°33'44.9923"W
Facility Reference Pt			**737890.00**	**510067.00**	32°23'59.7535"N	103°33'45.2839"W
Field Reference Pt			**152400.30**	**0.00**	30°59'42.8458"N	105°26'33.6593"W

WELLPATH DATUM			
Calculation method	**Minimum curvature**	Rig on DL 10 3 Kraken Fed Com No. 208H (KB) to Facility Vertical Datum	**3587.00ft**
Horizontal Reference Pt	**Slot**	Rig on DL 10 3 Kraken Fed Com No. 208H (KB) to Mean Sea Level	**3587.00ft**
Vertical Reference Pt	**Rig on DL 10 3 Kraken Fed Com No. 208H (KB)**	Rig on DL 10 3 Kraken Fed Com No. 208H (KB) to Ground Level at Slot (DL 10 3 Kraken Fed Com No. 208H)	**30.00ft**
MD Reference Pt	**Rig on DL 10 3 Kraken Fed Com No. 208H (KB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**359.58°**

Planned Wellpath Report

DL 10 3 Kraken Fed Com No. 208H Rev-A.0

Page 2 of 10

REFERENCE WELLPATH IDENTIFICATION			
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Field	**Bone Spring (Lea County, NM) NAD27**	API/Legal	
Facility	**Dagger Lake Kraken Fed Com Pad**	Wellbore	**DL 10 3 Kraken Fed Com No. 208H**
Slot	**DL 10 3 Kraken Fed Com No. 208H**		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	208.463	0.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	
30.00	0.000	208.463	30.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	Tie On
130.00†	0.000	208.463	130.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	
230.00†	0.000	208.463	230.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	
330.00†	0.000	208.463	330.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	
430.00†	0.000	208.463	430.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	
530.00†	0.000	208.463	530.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	
630.00†	0.000	208.463	630.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	
730.00†	0.000	208.463	730.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	
830.00†	0.000	208.463	830.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	
930.00†	0.000	208.463	930.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	
1030.00†	0.000	208.463	1030.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	
1050.00	0.000	208.463	1050.00	0.00	0.00	0.00	737915.00	510067.00	32°23'59.7517"N	103°33'44.9923"W	0.00	0.00	0.00	Start Build
1130.00†	1.200	208.463	1129.99	-0.73	-0.74	-0.40	737914.60	510066.26	32°23'59.7444"N	103°33'44.9970"W	1.50	1.50	0.00	
1230.00†	2.700	208.463	1229.93	-3.71	-3.73	-2.02	737912.98	510063.27	32°23'59.7150"N	103°33'45.0162"W	1.50	1.50	0.00	
1330.00†	4.200	208.463	1329.75	-8.98	-9.02	-4.89	737910.11	510057.98	32°23'59.6628"N	103°33'45.0501"W	1.50	1.50	0.00	
1430.00†	5.700	208.463	1429.37	-16.54	-16.60	-9.00	737906.00	510050.40	32°23'59.5881"N	103°33'45.0987"W	1.50	1.50	0.00	
1530.00†	7.200	208.463	1528.74	-26.37	-26.48	-14.35	737900.65	510040.52	32°23'59.4907"N	103°33'45.1619"W	1.50	1.50	0.00	
1630.00†	8.700	208.463	1627.77	-38.48	-38.64	-20.95	737894.05	510028.36	32°23'59.3709"N	103°33'45.2398"W	1.50	1.50	0.00	
1730.00†	10.200	208.463	1726.41	-52.86	-53.07	-28.77	737886.23	510013.93	32°23'59.2286"N	103°33'45.3323"W	1.50	1.50	0.00	
1830.00†	11.700	208.463	1824.59	-69.49	-69.77	-37.82	737877.18	509997.23	32°23'59.0640"N	103°33'45.4393"W	1.50	1.50	0.00	
1930.00†	13.200	208.463	1922.24	-88.37	-88.72	-48.10	737866.90	509978.28	32°23'58.8772"N	103°33'45.5607"W	1.50	1.50	0.00	
2030.00†	14.700	208.463	2019.28	-109.48	-109.92	-59.59	737855.41	509957.09	32°23'58.6684"N	103°33'45.6965"W	1.50	1.50	0.00	
2050.00	15.000	208.463	2038.62	-113.96	-114.42	-62.03	737852.97	509952.58	32°23'58.6239"N	103°33'45.7254"W	1.50	1.50	0.00	End Build
2130.00†	15.000	208.463	2115.89	-132.09	-132.62	-71.90	737843.10	509934.38	32°23'58.4445"N	103°33'45.8420"W	0.00	0.00	0.00	
2230.00†	15.000	208.463	2212.48	-154.76	-155.38	-84.23	737830.77	509911.63	32°23'58.2203"N	103°33'45.9877"W	0.00	0.00	0.00	
2330.00†	15.000	208.463	2309.08	-177.42	-178.13	-96.57	737818.43	509888.87	32°23'57.9960"N	103°33'46.1335"W	0.00	0.00	0.00	
2430.00†	15.000	208.463	2405.67	-200.08	-200.88	-108.90	737806.10	509866.12	32°23'57.7717"N	103°33'46.2793"W	0.00	0.00	0.00	
2530.00†	15.000	208.463	2502.26	-222.74	-223.64	-121.24	737793.77	509843.37	32°23'57.5475"N	103°33'46.4251"W	0.00	0.00	0.00	
2630.00†	15.000	208.463	2598.85	-245.41	-246.39	-133.57	737781.43	509820.62	32°23'57.3232"N	103°33'46.5708"W	0.00	0.00	0.00	

Planned Wellpath Report

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Field	**Bone Spring (Lea County, NM) NAD27**	API/Legal	
Facility	**Dagger Lake Kraken Fed Com Pad**	Wellbore	**DL 10 3 Kraken Fed Com No. 208H**
Slot	**DL 10 3 Kraken Fed Com No. 208H**		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2730.00†	15.000	208.463	2695.45	-268.07	-269.15	-145.91	737769.10	509797.86	32°23'57.0989"N	103°33'46.7166"W	0.00	0.00	0.00	
2830.00†	15.000	208.463	2792.04	-290.73	-291.90	-158.24	737756.76	509775.11	32°23'56.8747"N	103°33'46.8624"W	0.00	0.00	0.00	
2930.00†	15.000	208.463	2888.63	-313.39	-314.65	-170.58	737744.43	509752.36	32°23'56.6504"N	103°33'47.0081"W	0.00	0.00	0.00	
3030.00†	15.000	208.463	2985.22	-336.06	-337.41	-182.91	737732.09	509729.60	32°23'56.4261"N	103°33'47.1539"W	0.00	0.00	0.00	
3130.00†	15.000	208.463	3081.82	-358.72	-360.16	-195.25	737719.76	509706.85	32°23'56.2019"N	103°33'47.2997"W	0.00	0.00	0.00	
3230.00†	15.000	208.463	3178.41	-381.38	-382.91	-207.58	737707.42	509684.10	32°23'55.9776"N	103°33'47.4454"W	0.00	0.00	0.00	
3330.00†	15.000	208.463	3275.00	-404.04	-405.67	-219.92	737695.09	509661.35	32°23'55.7534"N	103°33'47.5912"W	0.00	0.00	0.00	
3430.00†	15.000	208.463	3371.59	-426.71	-428.42	-232.25	737682.75	509638.59	32°23'55.5291"N	103°33'47.7370"W	0.00	0.00	0.00	
3530.00†	15.000	208.463	3468.19	-449.37	-451.17	-244.59	737670.42	509615.84	32°23'55.3048"N	103°33'47.8827"W	0.00	0.00	0.00	
3630.00†	15.000	208.463	3564.78	-472.03	-473.93	-256.92	737658.08	509593.09	32°23'55.0806"N	103°33'48.0285"W	0.00	0.00	0.00	
3730.00†	15.000	208.463	3661.37	-494.69	-496.68	-269.26	737645.75	509570.33	32°23'54.8563"N	103°33'48.1743"W	0.00	0.00	0.00	
3830.00†	15.000	208.463	3757.96	-517.36	-519.43	-281.59	737633.41	509547.58	32°23'54.6320"N	103°33'48.3200"W	0.00	0.00	0.00	
3930.00†	15.000	208.463	3854.56	-540.02	-542.19	-293.93	737621.08	509524.83	32°23'54.4078"N	103°33'48.4658"W	0.00	0.00	0.00	
4030.00†	15.000	208.463	3951.15	-562.68	-564.94	-306.26	737608.75	509502.08	32°23'54.1835"N	103°33'48.6116"W	0.00	0.00	0.00	
4130.00†	15.000	208.463	4047.74	-585.34	-587.69	-318.60	737596.41	509479.32	32°23'53.9592"N	103°33'48.7573"W	0.00	0.00	0.00	
4230.00†	15.000	208.463	4144.33	-608.01	-610.45	-330.93	737584.08	509456.57	32°23'53.7350"N	103°33'48.9031"W	0.00	0.00	0.00	
4330.00†	15.000	208.463	4240.93	-630.67	-633.20	-343.27	737571.74	509433.82	32°23'53.5107"N	103°33'49.0489"W	0.00	0.00	0.00	
4430.00†	15.000	208.463	4337.52	-653.33	-655.95	-355.60	737559.41	509411.06	32°23'53.2864"N	103°33'49.1946"W	0.00	0.00	0.00	
4530.00†	15.000	208.463	4434.11	-675.99	-678.71	-367.94	737547.07	509388.31	32°23'53.0622"N	103°33'49.3404"W	0.00	0.00	0.00	
4604.08	15.000	208.463	4505.67	-692.78	-695.56	-377.08	737537.93	509371.46	32°23'52.8960"N	103°33'49.4484"W	0.00	0.00	0.00	Rotate/Drop
4630.00†	14.806	208.463	4530.72	-698.62	-701.42	-380.25	737534.76	509365.60	32°23'52.8383"N	103°33'49.4859"W	0.75	-0.75	0.00	
4730.00†	14.056	208.463	4627.56	-720.44	-723.33	-392.13	737522.88	509343.69	32°23'52.6223"N	103°33'49.6263"W	0.75	-0.75	0.00	
4830.00†	13.306	208.463	4724.72	-741.15	-744.12	-403.40	737511.61	509322.90	32°23'52.4174"N	103°33'49.7595"W	0.75	-0.75	0.00	
4930.00†	12.556	208.463	4822.19	-760.74	-763.80	-414.07	737500.95	509303.23	32°23'52.2235"N	103°33'49.8855"W	0.75	-0.75	0.00	
5030.00†	11.806	208.463	4919.93	-779.22	-782.35	-424.12	737490.89	509284.68	32°23'52.0407"N	103°33'50.0043"W	0.75	-0.75	0.00	
5130.00†	11.056	208.463	5017.95	-796.57	-799.77	-433.57	737481.45	509267.25	32°23'51.8690"N	103°33'50.1160"W	0.75	-0.75	0.00	
5230.00†	10.306	208.463	5116.22	-812.80	-816.06	-442.40	737472.61	509250.96	32°23'51.7084"N	103°33'50.2203"W	0.75	-0.75	0.00	
5330.00†	9.556	208.463	5214.72	-827.90	-831.22	-450.62	737464.39	509235.80	32°23'51.5589"N	103°33'50.3175"W	0.75	-0.75	0.00	
5430.00†	8.806	208.463	5313.44	-841.87	-845.25	-458.22	737456.79	509221.78	32°23'51.4207"N	103°33'50.4073"W	0.75	-0.75	0.00	
5530.00†	8.056	208.463	5412.35	-854.70	-858.14	-465.21	737449.80	509208.89	32°23'51.2937"N	103°33'50.4899"W	0.75	-0.75	0.00	

Planned Wellpath Report

DL 10 3 Kraken Fed Com No. 208H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chevron U.S.A. Inc.**	Well	**DL 10 3 Kraken Fed Com No. 208H**
Field	**Bone Spring (Lea County, NM) NAD27**	API/Legal	
Facility	**Dagger Lake Kraken Fed Com Pad**	Wellbore	**DL 10 3 Kraken Fed Com No. 208H**
Slot	**DL 10 3 Kraken Fed Com No. 208H**		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
5630.00†	7.306	208.463	5511.46	-866.41	-869.89	-471.58	737443.43	509197.14	32°23'51.1778"N	103°33'50.5651"W	0.75	-0.75	0.00	
5730.00†	6.556	208.463	5610.73	-876.97	-880.49	-477.33	737437.68	509186.53	32°23'51.0733"N	103°33'50.6331"W	0.75	-0.75	0.00	
5830.00†	5.806	208.463	5710.14	-886.40	-889.96	-482.46	737432.55	509177.07	32°23'50.9800"N	103°33'50.6937"W	0.75	-0.75	0.00	
5930.00†	5.056	208.463	5809.69	-894.69	-898.28	-486.97	737428.04	509168.75	32°23'50.8980"N	103°33'50.7470"W	0.75	-0.75	0.00	
6030.00†	4.306	208.463	5909.36	-901.83	-905.45	-490.86	737424.15	509161.57	32°23'50.8273"N	103°33'50.7930"W	0.75	-0.75	0.00	
6130.00†	3.556	208.463	6009.12	-907.83	-911.48	-494.13	737420.89	509155.55	32°23'50.7679"N	103°33'50.8316"W	0.75	-0.75	0.00	
6230.00†	2.806	208.463	6108.97	-912.69	-916.36	-496.77	737418.24	509150.67	32°23'50.7198"N	103°33'50.8628"W	0.75	-0.75	0.00	
6330.00†	2.056	208.463	6208.88	-916.40	-920.09	-498.79	737416.22	509146.94	32°23'50.6831"N	103°33'50.8867"W	0.75	-0.75	0.00	
6430.00†	1.306	208.463	6308.83	-918.97	-922.66	-500.19	737414.82	509144.36	32°23'50.6577"N	103°33'50.9033"W	0.75	-0.75	0.00	
6530.00†	0.556	208.463	6408.82	-920.39	-924.09	-500.96	737414.05	509142.93	32°23'50.6436"N	103°33'50.9124"W	0.75	-0.75	0.00	
6604.08	0.000	349.800	6482.90	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.75	-0.75	0.00	Hold Vertical
6630.00†	0.000	349.800	6508.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
6730.00†	0.000	349.800	6608.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
6830.00†	0.000	349.800	6708.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
6930.00†	0.000	349.800	6808.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
7030.00†	0.000	349.800	6908.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
7130.00†	0.000	349.800	7008.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
7230.00†	0.000	349.800	7108.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
7330.00†	0.000	349.800	7208.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
7430.00†	0.000	349.800	7308.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
7530.00†	0.000	349.800	7408.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
7630.00†	0.000	349.800	7508.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
7730.00†	0.000	349.800	7608.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
7830.00†	0.000	349.800	7708.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
7930.00†	0.000	349.800	7808.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
8030.00†	0.000	349.800	7908.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
8130.00†	0.000	349.800	8008.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
8230.00†	0.000	349.800	8108.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
8330.00†	0.000	349.800	8208.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
8430.00†	0.000	349.800	8308.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	

Planned Wellpath Report

DL 10 3 Kraken Fed Com No. 208H Rev-A.0

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chevron U.S.A. Inc.**	Well	**DL 10 3 Kraken Fed Com No. 208H**
Field	**Bone Spring (Lea County, NM) NAD27**	API/Legal	
Facility	**Dagger Lake Kraken Fed Com Pad**	Wellbore	**DL 10 3 Kraken Fed Com No. 208H**
Slot	**DL 10 3 Kraken Fed Com No. 208H**		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8530.00†	0.000	349.800	8408.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
8630.00†	0.000	349.800	8508.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
8730.00†	0.000	349.800	8608.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
8830.00†	0.000	349.800	8708.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
8930.00†	0.000	349.800	8808.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
9030.00†	0.000	349.800	8908.82	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	
9041.01	0.000	349.800	8919.83	-920.71	-924.41	-501.14	737413.88	509142.62	32°23'50.6405"N	103°33'50.9144"W	0.00	0.00	0.00	Curve KOP
9130.00†	8.899	349.800	9008.46	-913.91	-917.62	-502.36	737412.66	509149.41	32°23'50.7077"N	103°33'50.9281"W	10.00	10.00	0.00	
9230.00†	18.899	349.800	9105.41	-890.27	-894.01	-506.61	737408.41	509173.02	32°23'50.9417"N	103°33'50.9757"W	10.00	10.00	0.00	
9330.00†	28.899	349.800	9196.72	-850.40	-854.19	-513.77	737401.24	509212.84	32°23'51.3362"N	103°33'51.0559"W	10.00	10.00	0.00	
9430.00†	38.899	349.800	9279.62	-795.50	-799.36	-523.63	737391.38	509267.66	32°23'51.8794"N	103°33'51.1663"W	10.00	10.00	0.00	
9441.01	40.000	349.800	9288.12	-788.61	-792.48	-524.87	737390.14	509274.54	32°23'51.9476"N	103°33'51.1802"W	10.00	10.00	0.00	Cont. Build/Start Turn
9530.00†	48.717	352.376	9351.69	-727.13	-731.07	-534.39	737380.62	509335.96	32°23'52.5559"N	103°33'51.2861"W	10.00	9.79	2.89	
9630.00†	58.562	354.554	9410.91	-647.15	-651.15	-543.45	737371.57	509415.86	32°23'53.3473"N	103°33'51.3850"W	10.00	9.85	2.18	
9730.00†	68.438	356.314	9455.47	-558.00	-562.05	-550.51	737364.51	509504.96	32°23'54.2294"N	103°33'51.4598"W	10.00	9.88	1.76	
9830.00†	78.330	357.847	9484.04	-462.39	-466.48	-555.35	737359.67	509600.54	32°23'55.1755"N	103°33'51.5082"W	10.00	9.89	1.53	
9930.00†	88.229	359.274	9495.72	-363.22	-367.32	-557.82	737357.19	509699.69	32°23'56.1569"N	103°33'51.5288"W	10.00	9.90	1.43	
9948.31	90.043	359.531	9496.00[1]	-344.91	-349.01	-558.02	737357.00	509718.00	32°23'56.3380"N	103°33'51.5295"W	10.00	9.90	1.40	End Build/Turn - Landing
10030.00†	90.043	359.531	9495.94	-263.22	-267.33	-558.68	737356.33	509799.68	32°23'57.1463"N	103°33'51.5305"W	0.00	0.00	0.00	
10130.00†	90.043	359.531	9495.86	-163.22	-167.33	-559.50	737355.51	509899.68	32°23'58.1359"N	103°33'51.5316"W	0.00	0.00	0.00	
10230.00†	90.043	359.531	9495.79	-63.22	-67.33	-560.32	737354.70	509999.67	32°23'59.1254"N	103°33'51.5328"W	0.00	0.00	0.00	
10330.00†	90.043	359.531	9495.72	36.78	32.66	-561.14	737353.88	510099.66	32°24'0.1149"N	103°33'51.5339"W	0.00	0.00	0.00	
10430.00†	90.043	359.531	9495.64	136.78	132.66	-561.96	737353.06	510199.66	32°24'1.1044"N	103°33'51.5351"W	0.00	0.00	0.00	
10530.00†	90.043	359.531	9495.57	236.78	232.66	-562.78	737352.24	510299.65	32°24'2.0939"N	103°33'51.5362"W	0.00	0.00	0.00	
10630.00†	90.043	359.531	9495.49	336.78	332.65	-563.59	737351.42	510399.64	32°24'3.0834"N	103°33'51.5374"W	0.00	0.00	0.00	
10730.00†	90.043	359.531	9495.42	436.78	432.65	-564.41	737350.60	510499.64	32°24'4.0730"N	103°33'51.5385"W	0.00	0.00	0.00	
10830.00†	90.043	359.531	9495.34	536.78	532.65	-565.23	737349.79	510599.63	32°24'5.0625"N	103°33'51.5397"W	0.00	0.00	0.00	
10930.00†	90.043	359.531	9495.27	636.78	632.64	-566.05	737348.97	510699.63	32°24'6.0520"N	103°33'51.5409"W	0.00	0.00	0.00	
11030.00†	90.043	359.531	9495.19	736.78	732.64	-566.87	737348.15	510799.62	32°24'7.0415"N	103°33'51.5420"W	0.00	0.00	0.00	
11130.00†	90.043	359.531	9495.12	836.78	832.64	-567.68	737347.33	510899.61	32°24'8.0310"N	103°33'51.5432"W	0.00	0.00	0.00	

Planned Wellpath Report

DL 10 3 Kraken Fed Com No. 208H Rev-A.0

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chevron U.S.A. Inc.**	Well	**DL 10 3 Kraken Fed Com No. 208H**
Field	**Bone Spring (Lea County, NM) NAD27**	API/Legal	
Facility	**Dagger Lake Kraken Fed Com Pad**	Wellbore	**DL 10 3 Kraken Fed Com No. 208H**
Slot	**DL 10 3 Kraken Fed Com No. 208H**		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11230.00†	90.043	359.531	9495.05	936.78	932.63	-568.50	737346.51	510999.61	32°24'9.0206"N	103°33'51.5443"W	0.00	0.00	0.00	
11330.00†	90.043	359.531	9494.97	1036.78	1032.63	-569.32	737345.69	511099.60	32°24'10.0101"N	103°33'51.5455"W	0.00	0.00	0.00	
11430.00†	90.043	359.531	9494.90	1136.78	1132.63	-570.14	737344.88	511199.59	32°24'10.9996"N	103°33'51.5466"W	0.00	0.00	0.00	
11530.00†	90.043	359.531	9494.82	1236.78	1232.62	-570.96	737344.06	511299.59	32°24'11.9891"N	103°33'51.5478"W	0.00	0.00	0.00	
11630.00†	90.043	359.531	9494.75	1336.78	1332.62	-571.78	737343.24	511399.58	32°24'12.9786"N	103°33'51.5489"W	0.00	0.00	0.00	
11730.00†	90.043	359.531	9494.67	1436.78	1432.62	-572.59	737342.42	511499.58	32°24'13.9681"N	103°33'51.5501"W	0.00	0.00	0.00	
11830.00†	90.043	359.531	9494.60	1536.78	1532.61	-573.41	737341.60	511599.57	32°24'14.9577"N	103°33'51.5512"W	0.00	0.00	0.00	
11930.00†	90.043	359.531	9494.52	1636.78	1632.61	-574.23	737340.79	511699.56	32°24'15.9472"N	103°33'51.5524"W	0.00	0.00	0.00	
12030.00†	90.043	359.531	9494.45	1736.78	1732.61	-575.05	737339.97	511799.56	32°24'16.9367"N	103°33'51.5536"W	0.00	0.00	0.00	
12130.00†	90.043	359.531	9494.38	1836.78	1832.60	-575.87	737339.15	511899.55	32°24'17.9262"N	103°33'51.5547"W	0.00	0.00	0.00	
12230.00†	90.043	359.531	9494.30	1936.78	1932.60	-576.69	737338.33	511999.55	32°24'18.9157"N	103°33'51.5559"W	0.00	0.00	0.00	
12330.00†	90.043	359.531	9494.23	2036.77	2032.60	-577.50	737337.51	512099.54	32°24'19.9052"N	103°33'51.5570"W	0.00	0.00	0.00	
12430.00†	90.043	359.531	9494.15	2136.77	2132.59	-578.32	737336.69	512199.53	32°24'20.8948"N	103°33'51.5582"W	0.00	0.00	0.00	
12530.00†	90.043	359.531	9494.08	2236.77	2232.59	-579.14	737335.88	512299.53	32°24'21.8843"N	103°33'51.5593"W	0.00	0.00	0.00	
12630.00†	90.043	359.531	9494.00	2336.77	2332.59	-579.96	737335.06	512399.52	32°24'22.8738"N	103°33'51.5605"W	0.00	0.00	0.00	
12634.46	90.043	359.531	9494.00[2]	2341.24	2337.05	-580.00	737335.02	512403.98	32°24'22.9180"N	103°33'51.5605"W	0.00	0.00	0.00	Start Build
12654.36	90.441	359.533	9493.92	2361.13	2356.94	-580.16	737334.86	512423.88	32°24'23.1148"N	103°33'51.5608"W	2.00	2.00	0.01	End Build
12730.00†	90.441	359.533	9493.33	2436.77	2432.58	-580.77	737334.24	512499.51	32°24'23.8633"N	103°33'51.5616"W	0.00	0.00	0.00	
12830.00†	90.441	359.533	9492.57	2536.77	2532.57	-581.59	737333.43	512599.50	32°24'24.8528"N	103°33'51.5627"W	0.00	0.00	0.00	
12930.00†	90.441	359.533	9491.80	2636.77	2632.57	-582.41	737332.61	512699.49	32°24'25.8423"N	103°33'51.5638"W	0.00	0.00	0.00	
13030.00†	90.441	359.533	9491.03	2736.76	2732.56	-583.22	737331.80	512799.48	32°24'26.8318"N	103°33'51.5650"W	0.00	0.00	0.00	
13130.00†	90.441	359.533	9490.26	2836.76	2832.56	-584.04	737330.98	512899.48	32°24'27.8212"N	103°33'51.5661"W	0.00	0.00	0.00	
13230.00†	90.441	359.533	9489.49	2936.76	2932.55	-584.85	737330.16	512999.47	32°24'28.8107"N	103°33'51.5672"W	0.00	0.00	0.00	
13330.00†	90.441	359.533	9488.72	3036.75	3032.54	-585.67	737329.35	513099.46	32°24'29.8002"N	103°33'51.5683"W	0.00	0.00	0.00	
13430.00†	90.441	359.533	9487.95	3136.75	3132.54	-586.48	737328.53	513199.45	32°24'30.7897"N	103°33'51.5695"W	0.00	0.00	0.00	
13530.00†	90.441	359.533	9487.18	3236.75	3232.53	-587.30	737327.72	513299.44	32°24'31.7792"N	103°33'51.5706"W	0.00	0.00	0.00	
13630.00†	90.441	359.533	9486.41	3336.75	3332.52	-588.11	737326.90	513399.43	32°24'32.7687"N	103°33'51.5717"W	0.00	0.00	0.00	
13730.00†	90.441	359.533	9485.65	3436.74	3432.52	-588.93	737326.09	513499.42	32°24'33.7582"N	103°33'51.5728"W	0.00	0.00	0.00	
13830.00†	90.441	359.533	9484.88	3536.74	3532.51	-589.75	737325.27	513599.41	32°24'34.7477"N	103°33'51.5739"W	0.00	0.00	0.00	
13930.00†	90.441	359.533	9484.11	3636.74	3632.50	-590.56	737324.46	513699.40	32°24'35.7371"N	103°33'51.5751"W	0.00	0.00	0.00	

Planned Wellpath Report

DL 10 3 Kraken Fed Com No. 208H Rev-A.0

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chevron U.S.A. Inc.**	Well	**DL 10 3 Kraken Fed Com No. 208H**
Field	**Bone Spring (Lea County, NM) NAD27**	API/Legal	
Facility	**Dagger Lake Kraken Fed Com Pad**	Wellbore	**DL 10 3 Kraken Fed Com No. 208H**
Slot	**DL 10 3 Kraken Fed Com No. 208H**		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
14030.00†	90.441	359.533	9483.34	3736.73	3732.50	-591.38	737323.64	513799.39	32°24'36.7266"N	103°33'51.5762"W	0.00	0.00	0.00	
14130.00†	90.441	359.533	9482.57	3836.73	3832.49	-592.19	737322.83	513899.38	32°24'37.7161"N	103°33'51.5773"W	0.00	0.00	0.00	
14230.00†	90.441	359.533	9481.80	3936.73	3932.49	-593.01	737322.01	513999.38	32°24'38.7056"N	103°33'51.5784"W	0.00	0.00	0.00	
14330.00†	90.441	359.533	9481.03	4036.72	4032.48	-593.82	737321.19	514099.37	32°24'39.6951"N	103°33'51.5795"W	0.00	0.00	0.00	
14430.00†	90.441	359.533	9480.26	4136.72	4132.47	-594.64	737320.38	514199.36	32°24'40.6846"N	103°33'51.5807"W	0.00	0.00	0.00	
14530.00†	90.441	359.533	9479.49	4236.72	4232.47	-595.45	737319.56	514299.35	32°24'41.6741"N	103°33'51.5818"W	0.00	0.00	0.00	
14630.00†	90.441	359.533	9478.73	4336.72	4332.46	-596.27	737318.75	514399.34	32°24'42.6636"N	103°33'51.5829"W	0.00	0.00	0.00	
14730.00†	90.441	359.533	9477.96	4436.71	4432.45	-597.08	737317.93	514499.33	32°24'43.6530"N	103°33'51.5840"W	0.00	0.00	0.00	
14830.00†	90.441	359.533	9477.19	4536.71	4532.45	-597.90	737317.12	514599.32	32°24'44.6425"N	103°33'51.5852"W	0.00	0.00	0.00	
14930.00†	90.441	359.533	9476.42	4636.71	4632.44	-598.72	737316.30	514699.31	32°24'45.6320"N	103°33'51.5863"W	0.00	0.00	0.00	
15030.00†	90.441	359.533	9475.65	4736.70	4732.44	-599.53	737315.49	514799.30	32°24'46.6215"N	103°33'51.5874"W	0.00	0.00	0.00	
15130.00†	90.441	359.533	9474.88	4836.70	4832.43	-600.35	737314.67	514899.29	32°24'47.6110"N	103°33'51.5885"W	0.00	0.00	0.00	
15230.00†	90.441	359.533	9474.11	4936.70	4932.42	-601.16	737313.85	514999.28	32°24'48.6005"N	103°33'51.5896"W	0.00	0.00	0.00	
15244.69	90.441	359.533	9474.00[3]	4951.39	4947.11	-601.28	737313.74	515013.97	32°24'48.7458"N	103°33'51.5898"W	0.00	0.00	0.00	Start Drop
15259.88	90.153	359.630	9473.92	4966.58	4962.30	-601.39	737313.62	515029.16	32°24'48.8961"N	103°33'51.5898"W	2.00	-1.89	0.64	End Drop
15330.00†	90.153	359.630	9473.73	5036.70	5032.42	-601.85	737313.17	515099.28	32°24'49.5900"N	103°33'51.5892"W	0.00	0.00	0.00	
15430.00†	90.153	359.630	9473.47	5136.70	5132.42	-602.49	737312.53	515199.27	32°24'50.5795"N	103°33'51.5884"W	0.00	0.00	0.00	
15530.00†	90.153	359.630	9473.20	5236.70	5232.42	-603.14	737311.88	515299.27	32°24'51.5690"N	103°33'51.5875"W	0.00	0.00	0.00	
15630.00†	90.153	359.630	9472.93	5336.70	5332.41	-603.78	737311.24	515399.26	32°24'52.5585"N	103°33'51.5866"W	0.00	0.00	0.00	
15730.00†	90.153	359.630	9472.67	5436.70	5432.41	-604.43	737310.59	515499.26	32°24'53.5480"N	103°33'51.5858"W	0.00	0.00	0.00	
15830.00†	90.153	359.630	9472.40	5536.69	5532.41	-605.07	737309.94	515599.25	32°24'54.5375"N	103°33'51.5849"W	0.00	0.00	0.00	
15930.00†	90.153	359.630	9472.13	5636.69	5632.41	-605.72	737309.30	515699.25	32°24'55.5271"N	103°33'51.5840"W	0.00	0.00	0.00	
16030.00†	90.153	359.630	9471.87	5736.69	5732.40	-606.36	737308.65	515799.24	32°24'56.5166"N	103°33'51.5832"W	0.00	0.00	0.00	
16130.00†	90.153	359.630	9471.60	5836.69	5832.40	-607.01	737308.01	515899.24	32°24'57.5061"N	103°33'51.5823"W	0.00	0.00	0.00	
16230.00†	90.153	359.630	9471.33	5936.69	5932.40	-607.65	737307.36	515999.23	32°24'58.4956"N	103°33'51.5814"W	0.00	0.00	0.00	
16330.00†	90.153	359.630	9471.07	6036.69	6032.40	-608.30	737306.72	516099.23	32°24'59.4851"N	103°33'51.5806"W	0.00	0.00	0.00	
16430.00†	90.153	359.630	9470.80	6136.69	6132.39	-608.95	737306.07	516199.22	32°25'0.4746"N	103°33'51.5797"W	0.00	0.00	0.00	
16530.00†	90.153	359.630	9470.53	6236.69	6232.39	-609.59	737305.43	516299.22	32°25'1.4641"N	103°33'51.5789"W	0.00	0.00	0.00	
16630.00†	90.153	359.630	9470.27	6336.69	6332.39	-610.24	737304.78	516399.21	32°25'2.4536"N	103°33'51.5780"W	0.00	0.00	0.00	
16730.00†	90.153	359.630	9470.00	6436.69	6432.39	-610.88	737304.13	516499.21	32°25'3.4432"N	103°33'51.5771"W	0.00	0.00	0.00	

Planned Wellpath Report

DL 10 3 Kraken Fed Com No. 208H Rev-A.0

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chevron U.S.A. Inc.**	Well	**DL 10 3 Kraken Fed Com No. 208H**
Field	**Bone Spring (Lea County, NM) NAD27**	API/Legal	
Facility	**Dagger Lake Kraken Fed Com Pad**	Wellbore	**DL 10 3 Kraken Fed Com No. 208H**
Slot	**DL 10 3 Kraken Fed Com No. 208H**		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
16830.00†	90.153	359.630	9469.74	6536.69	6532.38	-611.53	737303.49	516599.20	32°25'4.4327"N	103°33'51.5763"W	0.00	0.00	0.00	
16930.00†	90.153	359.630	9469.47	6636.69	6632.38	-612.17	737302.84	516699.19	32°25'5.4222"N	103°33'51.5754"W	0.00	0.00	0.00	
17030.00†	90.153	359.630	9469.20	6736.69	6732.38	-612.82	737302.20	516799.19	32°25'6.4117"N	103°33'51.5745"W	0.00	0.00	0.00	
17130.00†	90.153	359.630	9468.94	6836.69	6832.38	-613.46	737301.55	516899.18	32°25'7.4012"N	103°33'51.5737"W	0.00	0.00	0.00	
17230.00†	90.153	359.630	9468.67	6936.69	6932.37	-614.11	737300.91	516999.18	32°25'8.3907"N	103°33'51.5728"W	0.00	0.00	0.00	
17330.00†	90.153	359.630	9468.40	7036.69	7032.37	-614.76	737300.26	517099.17	32°25'9.3802"N	103°33'51.5719"W	0.00	0.00	0.00	
17430.00†	90.153	359.630	9468.14	7136.69	7132.37	-615.40	737299.62	517199.17	32°25'10.3697"N	103°33'51.5711"W	0.00	0.00	0.00	
17530.00†	90.153	359.630	9467.87	7236.69	7232.37	-616.05	737298.97	517299.16	32°25'11.3593"N	103°33'51.5702"W	0.00	0.00	0.00	
17630.00†	90.153	359.630	9467.60	7336.69	7332.36	-616.69	737298.33	517399.16	32°25'12.3488"N	103°33'51.5693"W	0.00	0.00	0.00	
17730.00†	90.153	359.630	9467.34	7436.69	7432.36	-617.34	737297.68	517499.15	32°25'13.3383"N	103°33'51.5685"W	0.00	0.00	0.00	
17830.00†	90.153	359.630	9467.07	7536.69	7532.36	-617.98	737297.03	517599.15	32°25'14.3278"N	103°33'51.5676"W	0.00	0.00	0.00	
17855.84	90.153	359.630	9467.00[4]	7562.53	7558.20	-618.15	737296.87	517624.99	32°25'14.5835"N	103°33'51.5674"W	0.00	0.00	0.00	Start Build
17900.14	91.039	359.630	9466.54	7606.82	7602.49	-618.44	737296.58	517669.28	32°25'15.0218"N	103°33'51.5670"W	2.00	2.00	0.00	End Buid
17930.00†	91.039	359.630	9466.00	7636.68	7632.35	-618.63	737296.39	517699.13	32°25'15.3172"N	103°33'51.5668"W	0.00	0.00	0.00	
18030.00†	91.039	359.630	9464.19	7736.66	7732.33	-619.27	737295.74	517799.11	32°25'16.3066"N	103°33'51.5659"W	0.00	0.00	0.00	
18130.00†	91.039	359.630	9462.37	7836.65	7832.31	-619.92	737295.10	517899.09	32°25'17.2959"N	103°33'51.5650"W	0.00	0.00	0.00	
18230.00†	91.039	359.630	9460.56	7936.63	7932.29	-620.57	737294.45	517999.07	32°25'18.2853"N	103°33'51.5642"W	0.00	0.00	0.00	
18330.00†	91.039	359.630	9458.75	8036.61	8032.28	-621.21	737293.81	518099.05	32°25'19.2746"N	103°33'51.5633"W	0.00	0.00	0.00	
18430.00†	91.039	359.630	9456.93	8136.60	8132.26	-621.86	737293.16	518199.03	32°25'20.2640"N	103°33'51.5625"W	0.00	0.00	0.00	
18530.00†	91.039	359.630	9455.12	8236.58	8232.24	-622.50	737292.51	518299.01	32°25'21.2533"N	103°33'51.5616"W	0.00	0.00	0.00	
18630.00†	91.039	359.630	9453.31	8336.56	8332.22	-623.15	737291.87	518398.99	32°25'22.2427"N	103°33'51.5607"W	0.00	0.00	0.00	
18730.00†	91.039	359.630	9451.50	8436.55	8432.20	-623.80	737291.22	518498.96	32°25'23.2320"N	103°33'51.5599"W	0.00	0.00	0.00	
18830.00†	91.039	359.630	9449.68	8536.53	8532.18	-624.44	737290.58	518598.94	32°25'24.2214"N	103°33'51.5590"W	0.00	0.00	0.00	
18930.00†	91.039	359.630	9447.87	8636.51	8632.16	-625.09	737289.93	518698.92	32°25'25.2108"N	103°33'51.5582"W	0.00	0.00	0.00	
19030.00†	91.039	359.630	9446.06	8736.50	8732.15	-625.73	737289.28	518798.90	32°25'26.2001"N	103°33'51.5573"W	0.00	0.00	0.00	
19130.00†	91.039	359.630	9444.24	8836.48	8832.13	-626.38	737288.64	518898.88	32°25'27.1895"N	103°33'51.5565"W	0.00	0.00	0.00	
19230.00†	91.039	359.630	9442.43	8936.46	8932.11	-627.03	737287.99	518998.86	32°25'28.1788"N	103°33'51.5556"W	0.00	0.00	0.00	
19330.00†	91.039	359.630	9440.62	9036.45	9032.09	-627.67	737287.35	519098.84	32°25'29.1682"N	103°33'51.5547"W	0.00	0.00	0.00	
19430.00†	91.039	359.630	9438.81	9136.43	9132.07	-628.32	737286.70	519198.82	32°25'30.1575"N	103°33'51.5539"W	0.00	0.00	0.00	
19530.00†	91.039	359.630	9436.99	9236.42	9232.05	-628.96	737286.05	519298.79	32°25'31.1469"N	103°33'51.5530"W	0.00	0.00	0.00	

Planned Wellpath Report

DL 10 3 Kraken Fed Com No. 208H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chevron U.S.A. Inc.**	Well	**DL 10 3 Kraken Fed Com No. 208H**
Field	**Bone Spring (Lea County, NM) NAD27**	API/Legal	
Facility	**Dagger Lake Kraken Fed Com Pad**	Wellbore	**DL 10 3 Kraken Fed Com No. 208H**
Slot	**DL 10 3 Kraken Fed Com No. 208H**		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
19630.00†	91.039	359.630	9435.18	9336.40	9332.03	-629.61	737285.41	519398.77	32°25'32.1362"N	103°33'51.5522"W	0.00	0.00	0.00	
19730.00†	91.039	359.630	9433.37	9436.38	9432.02	-630.25	737284.76	519498.75	32°25'33.1256"N	103°33'51.5513"W	0.00	0.00	0.00	
19830.00†	91.039	359.630	9431.55	9536.37	9532.00	-630.90	737284.12	519598.73	32°25'34.1149"N	103°33'51.5504"W	0.00	0.00	0.00	
19930.00†	91.039	359.630	9429.74	9636.35	9631.98	-631.55	737283.47	519698.71	32°25'35.1043"N	103°33'51.5496"W	0.00	0.00	0.00	
20030.00†	91.039	359.630	9427.93	9736.33	9731.96	-632.19	737282.83	519798.69	32°25'36.0936"N	103°33'51.5487"W	0.00	0.00	0.00	
20130.00†	91.039	359.630	9426.12	9836.32	9831.94	-632.84	737282.18	519898.67	32°25'37.0830"N	103°33'51.5479"W	0.00	0.00	0.00	
20230.00†	91.039	359.630	9424.30	9936.30	9931.92	-633.48	737281.53	519998.64	32°25'38.0723"N	103°33'51.5470"W	0.00	0.00	0.00	
20330.00†	91.039	359.630	9422.49	10036.28	10031.90	-634.13	737280.89	520098.62	32°25'39.0617"N	103°33'51.5461"W	0.00	0.00	0.00	
20430.00†	91.039	359.630	9420.68	10136.27	10131.89	-634.78	737280.24	520198.60	32°25'40.0510"N	103°33'51.5453"W	0.00	0.00	0.00	
20467.41	91.039	359.630	9420.00[5]	10173.67	10169.29	-635.02	737280.00	520236.00	32°25'40.4211"N	103°33'51.5450"W	0.00	0.00	0.00	PBHL (25' FNBL)

HOLE & CASING SECTIONS - Ref Wellbore: DL 10 3 Kraken Fed Com No. 208H Ref Wellpath: DL 10 3 Kraken Fed Com No. 208H Rev-A.0

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.375in Casing	30.00	850.00	820.00	30.00	850.00	0.00	0.00	0.00	0.00
9.625in Casing	30.00	8321.18	8291.18	30.00	8200.00	0.00	0.00	-924.41	-501.14
5.5in Casing	30.00	20467.41	20437.41	30.00	9420.00	0.00	0.00	10169.29	-635.02

Planned Wellpath Report

DL 10 3 Kraken Fed Com No. 208H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chevron U.S.A. Inc.**	Well	**DL 10 3 Kraken Fed Com No. 208H**
Field	**Bone Spring (Lea County, NM) NAD27**	API/Legal	
Facility	**Dagger Lake Kraken Fed Com Pad**	Wellbore	**DL 10 3 Kraken Fed Com No. 208H**
Slot	**DL 10 3 Kraken Fed Com No. 208H**		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
5) DL 10 3 Kraken Fed Com No. 208H PBHL	20467.41	9420.00	10169.29	-635.02	**737280.00**	**520236.00**	32°25'40.4211"N	103°33'51.5450"W	point
DL 10 3 Kraken Fed Com No. 208H LTP	N/A	9421.36	10094.43	-634.53	**737280.48**	**520161.15**	32°25'39.6804"N	103°33'51.5456"W	point
4) DL 10 3 Kraken Fed Com No. 208H TP3	17855.84	9467.00	7558.20	-618.15	**737296.87**	**517624.99**	32°25'14.5835"N	103°33'51.5674"W	point
3) DL 10 3 Kraken Fed Com No. 208H TP2	15244.69	9474.00	4947.11	-601.28	**737313.73**	**515013.97**	32°24'48.7458"N	103°33'51.5898"W	point
2) DL 10 3 Kraken Fed Com No. 208H TP1	12634.46	9494.00	2337.05	-580.00	**737335.02**	**512403.98**	32°24'22.9180"N	103°33'51.5605"W	point
1) DL 10 3 Kraken Fed Com No. 208H FTP	9948.31	9496.00	-349.01	-558.02	**737357.00**	**509718.00**	32°23'56.3380"N	103°33'51.5295"W	point

SURVEY PROGRAM - Ref Wellbore: DL 10 3 Kraken Fed Com No. 208H Ref Wellpath: DL 10 3 Kraken Fed Com No. 208H Rev-A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	850.00	OWSG MWD rev2 + HRGM		DL 10 3 Kraken Fed Com No. 208H
850.00	8400.00	OWSG MWD rev2 + HRGM		DL 10 3 Kraken Fed Com No. 208H
8400.00	20467.41	OWSG MWD rev2 + HRGM		DL 10 3 Kraken Fed Com No. 208H

Chevron U.S.A. Inc. (CUSA)
SUNDRY ATTACHMENT: SPUDDER RIG

DATA OPERATOR NAME: Chevron U.S.A. Inc.

1. SUMMARY OF REQUEST:

CUSA respectfully requests approval for the following operations for the surface hole in the drill plan:

1. Utilize a spudder rig to pre-set surface casing for time and cost savings.

2. Description of Operations

1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
   - **a.** After drilling the surface hole section, the spudder rig will run casing and cement following all the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
   - **b.** The spudder rig will utilize fresh water-based mud to drill the surface hole to TD. Solids control will be handled entirely on a closed loop basis. No earth pits will be used.

2. The wellhead will be installed and then tested offline after the WOC time has been reached.

3. An abandonment cap at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on one wing-valve.
   - **a.** A means for intervention will be maintained while the drilling rig is not over the well.

4. Spudder rig operations are expected to take 2-3 days per well on the pad.

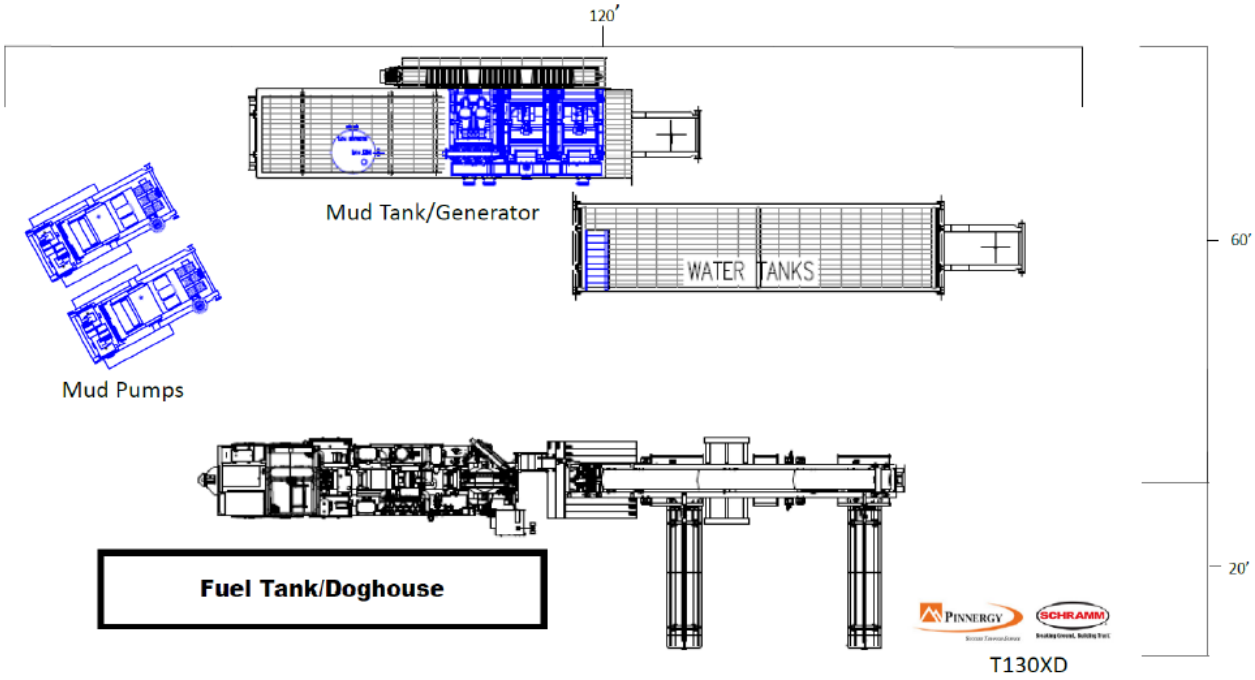
5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.

6. Drilling operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be nippled up and tested on the wellhead before drilling operations resume on each well.
   - **a.** The larger rig will move back onto the location within 90 days from the point at which the wells are secured and the spudder rig is moved off location.
   - **b.** The BLM will be contacted / notified 24 hours before the larger rig moves back on the pre-set locations.

7. CUSA will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.

8. Once the rig is removed, CUSA will secure the wellhead area by placing a guard rail around the cellar area.

Surface Rig Layout



Delaware Basin
Variance / Sundry for Federal Well

Well Names:

Well Name	
DL 10 3 Kraken Fed Com	207H
DL 10 3 Kraken Fed Com	208H
DL 10 3 Kraken Fed Com	209H

Rig: Patterson 245

CVX CONTACT:

Phillipe Salanova
Drilling Engineer
MCBU D&C; New Mexico
psalanova@chevron.com
1400 Smith: 43005
Houston, TX 77002
713-372-1373 (office)

Request for execution

Chevron would like to formally request to follow Onshore Order 2 Section “B - Casing and Cementing Requirements” to wait to 500 psi compressive strength (CS) of the tail cement slurry, for primary cement operations in both the Surface and Intermediate casing string(s). WOC time is considered the time between bumping the plug (cement in place), until beginning to drill the shoe track. This will ensure that cement will be at suffucient strength prior to performing a shoe test and drilling ahead through the next hole section.

Sample engineering lab tests may be seen below, as provided by the cementing provider. Note: these numbers will vary slightly based on actual casing set depths and finlized cement lab tests for the particular slurry. Finalized 500 psi compressive strength times will be found on location with the Chevron Drill Site Representative via the cementing labs, Drilling Program and/or POA’s (Plan of Action).

PERMIAN REGION LAB
Cement Lab Report
Phone: (620) 262-2244

Test Number: **Test Date:**
Report Number:

WELL INFORMATION

Operator: Chevron **County:**
API #: **State:** NM
Well Name: **Requested By:**
Slurry Type: Tail **TVD:** **MD:**
Blend Type: Field **District:** Odessa
Comments: 10SEC: 22 10MIN: 23 10RPM: 34 10RPM@141F: 32

TEST DATA AND SCHEDULE

Time To Temp (min): 137 **Mud Density** (lb/gal): 9
Initial Press (psi): 610 **Mix Water Density** (lb/gal): 8.34
Final Press (psi): 5824 **Mix Water Type:** Rig Water
BHST (deg F): 155 **Surf Temp** (deg F): 80
BHCT (deg F): 141 **Job Type:** Intermediate
Comments: UCA: 80F to 155F in 4hrs. Apply full PSI from start of 5529psi

SLURRY AND TEST RESULTS

Vendor: GCC
Slurry: Class 'C' + 0.10% FL-66 + 0.30% CD32A + 0.05% ASA-301 + 0.70% SMS + 0.75% R-21 + 0.005 gps FP-6L + 0.005 lb/sk Static Free

Density: 14.8 lb/gal **Pump Time** (50 Bc):
Yield: 1.339 CuFt/sk **Pump Time** (70 Bc): 3:50
Mix Water: 6.284 gal/sk (55.76%) **Pump Time** (100 Bc):
Total Mix Liquid: 6.289 gal/sk
Fluid Loss: cc/30 min **Free Water** (ml): 0 (Tested at 45 ° Angle)

Compressive Strength

Temp	Time	Strength	Type
155	4:47	50	UCA
155	5:03	250	UCA
155	5:26	500	UCA
155	12	1515	UCA

Rheology (PL=Power Law, BP= Bingam Plastic)

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	102	67	55	42	27	22	0.216	0.168	29.0	40.5	BP
80	102	65	53	40	26	21	0.217	0.161	27.6	39.6	BP
ave	102	66	54	41	27	22	0.211	0.169	28.7	39.6	BP
141	87	63	45	36	23	18	0.226	0.138	23.3	39.3	BP

H_2S Preparedness and Contingency Plan Summary

Training

MCBU Drilling and Completions H_2S training requirements are intended to define the minimum level of training required for employees, contractors and visitors to enter or perform work at MCBU Drilling and Completions locations that have known concentrations of H_2S.

Awareness Level

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of H_2S, who are not required to perform work in H_2S areas, will be provided with an awareness level of H_2S training prior to entering any H_2S areas. At a minimum, awareness level training will include:

1. Physical and chemical properties of H_2S
2. Health hazards of H_2S
3. Personal protective equipment
4. Information regarding potential sources of H_2S
5. Alarms and emergency evacuation procedures

Awareness level training will be developed and conducted by personnel who are qualified either by specific training, educational experience and/or work-related background.

Advanced Level H_2S Training

Employees and contractors required to work in areas that may contain H_2S will be provided with Advanced Level H_2S training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level H_2S training will include:

1. H_2S safe work practice procedures;
2. Emergency contingency plan procedures;
3. Methods to detect the presence or release of H_2S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H_2S equipment.
4. Basic overview of respiratory protective equipment suitable for use in H_2S environments. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program;
5. Basic overview of emergency rescue techniques, first aid, CPR and medical evaluation procedures. Employees who may be required to perform “standby” duties are required to receive additional first aid and CPR training, which is not covered in the Advanced Level H_2S training;
6. Proficiency examination covering all course material.

Advanced H_2S training courses will be instructed by personnel who have successfully completed an appropriate H_2S train-the-trainer development course (ANSI/ASSE Z390.1-2006) or who possess significant past experience through educational or work-related background.

H_2S Preparedness and Contingency Plan Summary

H_2S Training Certification

All employees and visitors will be issued an H_2S training certification card (or certificate) upon successful completion of the appropriate H_2S training course. Personnel working in an H_2S environment will carry a current H_2S training certification card as proof of having received the proper training on their person at all times.

Briefing Area

A minimum of two briefing areas will be established in locations that at least one area will be up-wind from the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated upwind briefing areas for instructions.

H_2S Equipment

Respiratory Protection

a) Six 30 minute SCBAs – 2 at each briefing area and 2 in the Safety Trailer.

b) Eight 5 minute EBAs – 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

Visual Warning System

a) One color code sign, displaying all possible conditions, will be placed at the entrance to the location with a flag displaying the current condition.

b) Two windsocks will be on location, one on the dog house and one on the Drill Site Manager's Trailer.

H_2S Detection and Monitoring System

a) H_2S monitoring system (sensor head, warning light and siren) placed throughout rig.

- Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
- Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.

H_2S Preparedness and Contingency Plan Summary

Well Control Equipment

a) Flare Line 150' from wellhead with igniter.

b) Choke manifold with a remotely operated choke.

c) Mud / gas separator

Mud Program

In the event of drilling, completions, workover and well servicing operations involving a hydrogen sulfide concentration of 100 ppm or greater the following shall be considered:

1. Use of a degasser
2. Use of a zinc based mud treatment
3. Increasing mud weight

Public Safety - Emergency Assistance

Agency	Telephone Number
Lea County Sheriff's Department	575-396-3611
Fire Department:	
Carlsbad	575-885-3125
Artesia	575-746-5050
Lea County Regional Medical Center	575-492-5000
Jal Community Hospital	505-395-2511
Lea County Emergency Management	575-396-8602
Poison Control Center	800-222-1222

H_2S Preparedness and Contingency Plan Summary

Chevron MCBU D&C Emergency Notifications

Below are lists of contacts to be used in emergency situations.

	Name	Title	Office Number	Cell Phone
1.	**TBD**	Drilling Engineer		
2.	TBD	Superintendent		
5.	Steve Hassmann	Drilling Manager	(713) 372-4496	832-729-3236
6.	Kyle Eastman	Operations Manager	TBD	281-755-6554
7.	TBD	D&C HES		
8.	TBD	Completion Engineer		

6. **MUD PROGRAM**

From	To	Type	Weight	Viscosity	Filtrate	Notes
0'	1,300'	Fresh water mud	8.3 - 9.0	28-30	N/C	
1,300'	4,865'	Brine/OBM	8.3 - 10.5	28-31	15-25	
4,865'	20,677'	OBM	8.3 - 10.5	28-60	15-25	Due to wellbore stability in the lateral well, MW will be adjusted as needed to ensure the hole doesn't collapse.

A closed system will be used consisting of above ground steel tanks. All wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill.

All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations. And transportating of E&P waste will follow EPA regulations and accompanying manifests.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate.

7. **TESTING, LOGGING, AND CORING**

The anticipated type and amount of testing, logging, and coring are as follows:

TYPE	Logs	Interval	Timing
Mudlogs	2 man mudlog	Surface casing shoe	While drilling or
LWD	MWD Gamma	Int. and Prod. Hole	While Drilling

8. **ABNORMAL PRESSURES AND HYDROGEN SULFIDE**

a. No abnormal pressure or temperatures are expected. Estimated BHP is: 4,363 psi
b. Hydrogen sulfide gas is not anticipated. An H2S Contingency plan is attached with this APD in the event that H2S is encountered

AFMSS
U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report
04/02/2021

APD ID: 10400057158
Submission Date: 05/21/2020
Operator Name: CHEVRON USA INCORPORATED
Well Name: DL 10 3 KRAKEN FED COM
Well Number: 208H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
737873	RUSTLER	3557	1298	1298	DOLOMITE	NONE	N
737874	CASTILE	182	3375	3375	ANHYDRITE, SALT	NONE	N
737875	LAMAR	-1312	4869	4869	LIMESTONE	NONE	N
737876	BELL CANYON	-1430	4987	4987	SANDSTONE	NONE	N
737877	CHERRY CANYON	-2242	5799	5799	SANDSTONE	NONE	N
737879	BRUSHY CANYON	-3495	7052	7052	SANDSTONE	NONE	N
737880	BONE SPRING	-5275	8832	8900	LIMESTONE, SHALE	NONE	N
737882	UPPER AVALON SHALE	-5863	9420	20467	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M
Rating Depth: 9420

Equipment: Chevron will have a minimum of a 5,000 psi rig stack for drill out below surface casing. The stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, intermediate, and production will take place. A full BOP test will be performed per hole section, unless approval from BLM is received otherwise. Flex choke hose will be used for all wells on the pad (see attached specs and variance). BOP test will be conducted by a third party.
Requesting Variance? YES

Variance request: Chevron requests a variance to use a FMC Technologies UH-S Multibowl wellhead, which will be run through the rig floor on surface casing. BOPE will be nippled up and tested after cementing surface casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC Technologies and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal. All tests performed by third party. A variance to use a CoFlex hose with a metal protective covering that will be utilized between the BOP and Choke manifold. Please refer to the attached testing and specification documents. - A variance from the Onshore Order 2 where it states: “A full BOP Test shall be performed: when initially installed and whenever any seal subject to test pressure is broken.” We propose to break test if able to finish the next hole section within 21 days of the previous full BOP test. No BOP components nor any break will ever surpass 21 days between testing. A break test will consist of a 250 psi low / 5,000 psi high for 10 min each test against the connection that was broken when skidding the rig. Upon the first nipple up of the pad a full BOP test will be performed. A break test will NOT be performed on our last production section. A break test will only be

Delaware Basin
Changes to APD for Federal Well

CHEVRON CONTACT:

PHILLIPE SALANOVA
DRILLING ENGINEER
1400 SMITH ST.
HOUSTON, TX 77002

DESK: HOU140/43RD FLOOR
CELL: 432-257-4140
EMAIL: PSALANOVA@CHEVRON.COM

Summary of Changes to MPD Submission

BOP Equipment – CoFlex Hose (Section 3 of 9 Point Drilling Plan in MPD)

BOP Equipment – CoFlex Hose

Summary: Variance to use a CoFlex hose between BOP and choke manifold not requested in original submittal.

As Defined in MPD:	As Planned on Well:
Variance to use CoFlex hose not requested.	Chevron requests a variance to use a CoFlex hose with a metal protective covering that will be utilized between the BOP and Choke manifold. Please refer to the attached testing and specification documents.

BLOWOUT PREVENTER SCHEMATIC

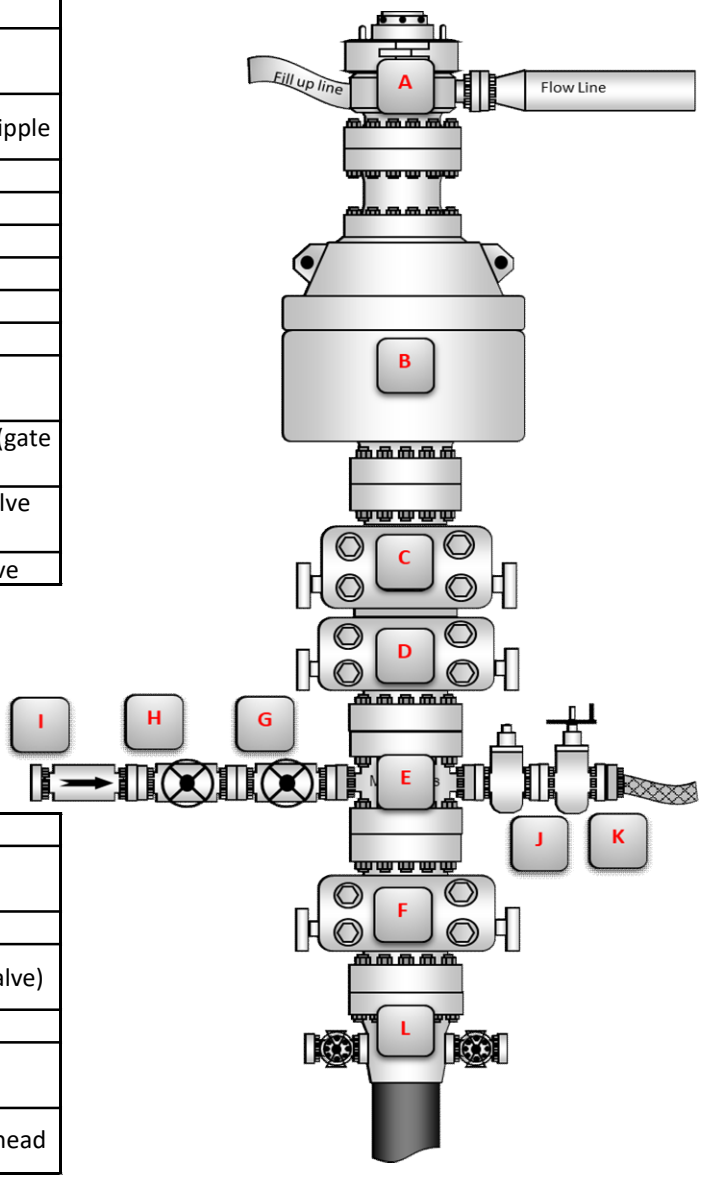
Operation:	Intermediate & Production Drilling Operations
Minimum System operation pressure	5,000 psi

BOP Stack

Part	Size	Pressure Rating	Description
A	13-5/8"	N/A	Rotating Head/Bell nipple
B	13-5/8"	5,000	Annular
C	13-5/8"	10,000	Blind Ram
D	13-5/8"	10,000	Pipe Ram
E	13-5/8"	10,000	Mud Cross
F	13-5/8"	10,000	Pipe Ram

Kill Line

Part	Size	Pressure Rating	Description
G	2"	10,000	Inside Kill Line Valve (gate valve)
H	2"	10,000	Outside Kill Line Valve (gate valve)
I	2"	10,000	Kill Line Check valve



Choke line

Part	Size	Pressure Rating	Description
J	3"	10,000	HCR (gate valve)
K	3"	10,000	Manual HCR (gate valve)

Wellhead

Part	Size	Pressure Rating	Description
L	13-5/8"	5,000	FMC Multibowl wellhead

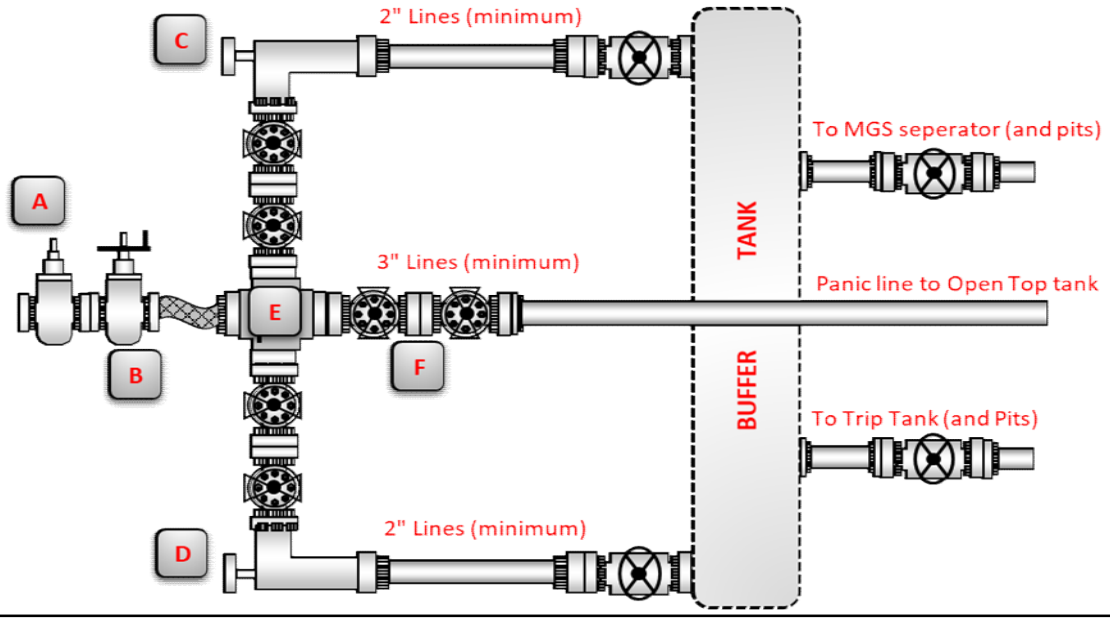
BOP Installation Checklist: *The following items must be verified and checked off prior to pressure testing BOP equipment*
The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.
All valves on the kill line and choke line will be full opening and will allow straight flow through.
Manual (hand wheels) or automatic locking devices will be installed on all ram preventers. Hand wheels will also be install on all manual valves on the choke and kill line.
A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will remain open unless accumulator is inoperative.
Upper kelly cock valve with handle will be available on rig floor along with saved valve and subs to fit all drill string connections in use.

CHOKE MANIFOLD SCHEMATIC

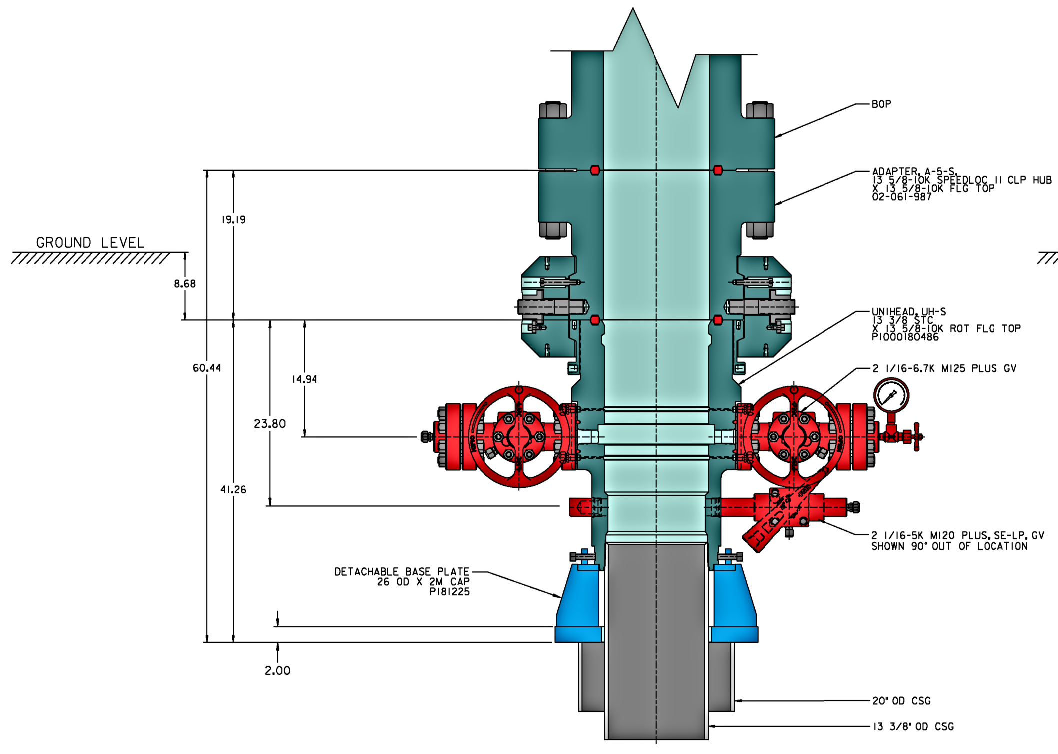
Operation:	Intermediate & Production
Minimum System operation pressure	5,000 psi

Choke Manifold

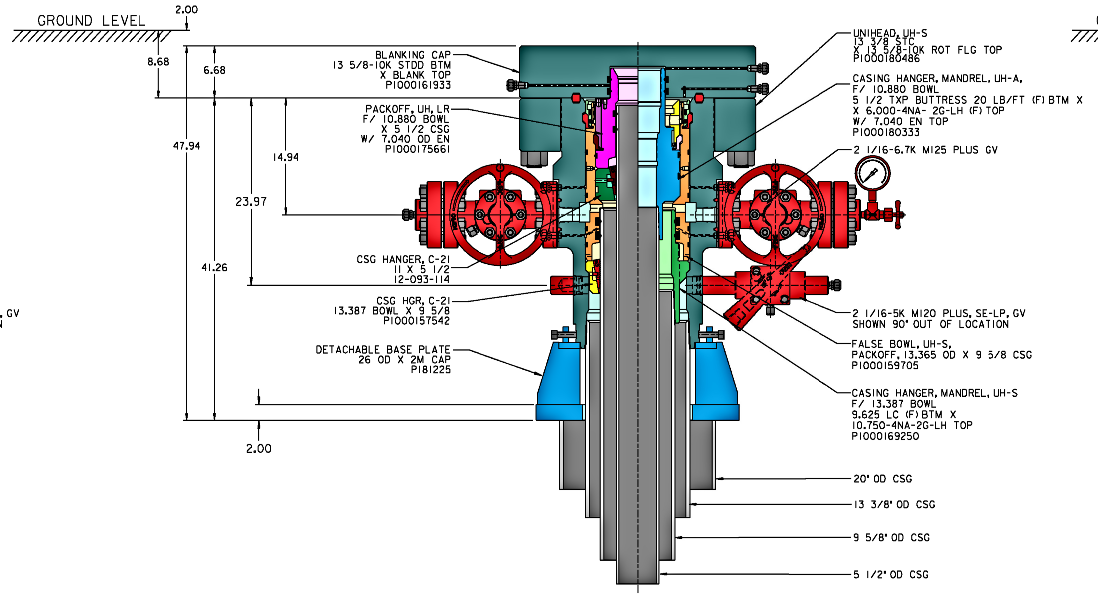
Part	Size	Pressure Rating	Description
A	3"	10,000	HCR (remotely operated)
B	3"	10,000	HCR (manually operated)
C	2"	10,000	Remotely operated choke
D	2"	10,000	Adjustable choke
E	3"	10,000	Crown valve with pressure gage
F	3"	10,000	Panic line valves



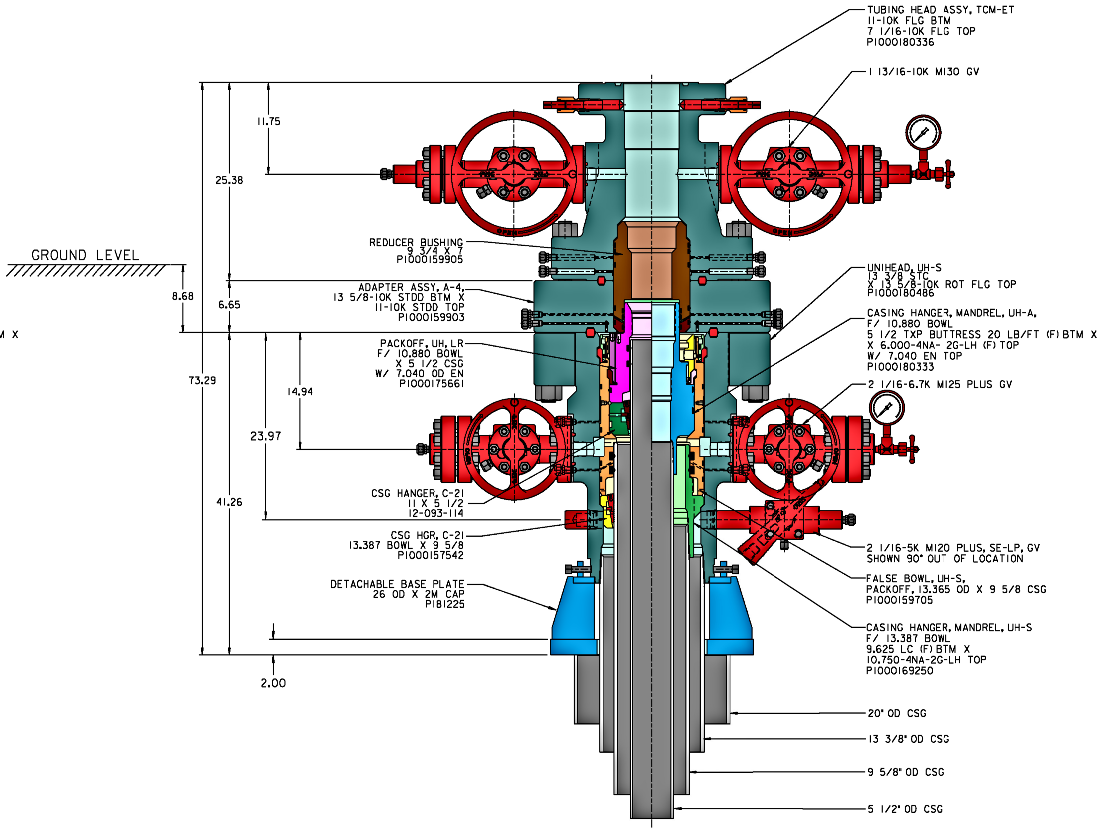
Choke Manifold Installation Checklist: *The following items must be verified and checked off prior to pressure testing BOP equipment*
The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.
Adjustable chokes may be remotely operated but will have backup hand pump for hydraulic actuation in case of loss of rig air or power.
Flare and panic lines will terminate a minimum of 150' from the wellhead. These lines will terminate at a location as per approved APD.
All valves (except chokes) on choke line, kill line and choke manifold will be full opening and will allow straight through flow. This excludes any valves between the mud gas separator and shale shakers.
All manual valves will have hand wheels installed.
Flare systems will have an effective method for ignition.
All connections will be flanged, welded or clamped
If buffer tank is used, a valve will be used on all lines at any entry or exit point to or from the buffer tank.



DRILLING MODE



CAPPING MODE



COMPLETION MODE

6650 PSI UH-S

CHEVRON

20 X 13 3/8 X 9 5/8 X 5 1/2

QUOTE 20331133
F110262
DBD10143378
SEQ DWG: DM100262890
REF: DM100220685
DM100219485

PRIVATE AND CONFIDENTIAL	DESCRIPTION	DRAWN BY: T. PHAM	DATE: 03-07-17	TechnipFMC
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		DESIGN REVIEW: M. HUSSEINI	DATE: 08-25-17	SHEET SIZE NA
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		APPROVED BY: J. GARZA	DATE: 08-25-17	DRAWING NUMBER DM100233441

CONTITECH RUBBER Industrial Kft.	No:QC-DB- 231/ 2014
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Continental

ContiTech

Hose Data Sheet

CRI Order No.	538332
Customer	ContiTech Oil & Marine Corp.
Customer Order No	4500412631 CBC544771, CBC544769, CBC544767, CBC544763, CBC544768, CBC544745, CBC544744, CBC544746
Item No.	1
Hose Type	Flexible Hose
Standard	**API SPEC 16 C**
Inside dia in inches	3
Length	45 ft
Type of coupling one end	FLANGE 4.1/16" 10KPSI API SPEC 17D SV SWIVEL FLANGE SOURC/W BX155 ST/ST INLAID R.GR.
Type of coupling other end	FLANGE 4.1/16" 10KPSI API SPEC 17D SV SWIVEL FLANGE SOUR C/W BX155 ST/ST INLAID R.GR.
H2S service NACE MR0175	Yes
Working Pressure	10 000 psi
Design Pressure	10 000 psi
Test Pressure	15 000 psi
Safety Factor	2,25
Marking	USUAL PHOENIX
Cover	NOT FIRE RESISTANT
Outside protection	St.steel outer wrap
Internal stripwound tube	No
Lining	OIL + GAS RESISTANT SOUR
Safety clamp	Yes
Lifting collar	Yes
Element C	Yes
Safety chain	Yes
Safety wire rope	No
Max.design temperature [°C]	100
Min.design temperature [°C]	-20
Min. Bend Radius operating [m]	0,90
Min. Bend Radius storage [m]	0,90
Electrical continuity	The Hose is electrically continuous
Type of packing	WOODEN CRATE ISPM-15

Printed: TIRETECH2\\BacsaL - 2014.03.27 16:50:38

Continental

ContiTech

CONTITECH RUBBER Industrial Kft.	No:QC-DB- 231/ 2014
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QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°:	594	
PURCHASER:	ContiTech Oil & Marine Corp.			P.O. N°:	4500412631	
CONTITECH ORDER N°:	538332	HOSE TYPE:	3" ID	Choke & Kill Hose		
HOSE SERIAL N°:	67349	NOMINAL / ACTUAL LENGTH:		13,72 m / 13,85 m		
W.P. 68,9 MPa	10000 psi	T.P. 103,4 MPa	15000 psi	Duration:	60	min.

Pressure test with water at ambient temperature

See attachment. (1 page)

↑ 10 mm = 10 Min.

→ 10 mm = 25 MPa

COUPLINGS Type	Serial N°		Quality	Heat N°
3" coupling with	1435	1436	AISI 4130	A1258U
4 1/16" 10K API Swivel Flange end			AISI 4130	034939
Hub			AISI 4130	A1045N

Not Designed For Well Testing **API Spec 16 C**

Tag No.: 66 – 1198 **Temperature rate:"B"**

All metal parts are flawless

WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.

STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.

Date:	Inspector	Quality Control
03. April 2014.		ContiTech Rubber Industrial Kft. Quality Control Dept. (1)

ATTACHMENT OF QUALITY CONTROL INSPECTION AND TEST CERTIFICATE *No: 594, 596, 597*

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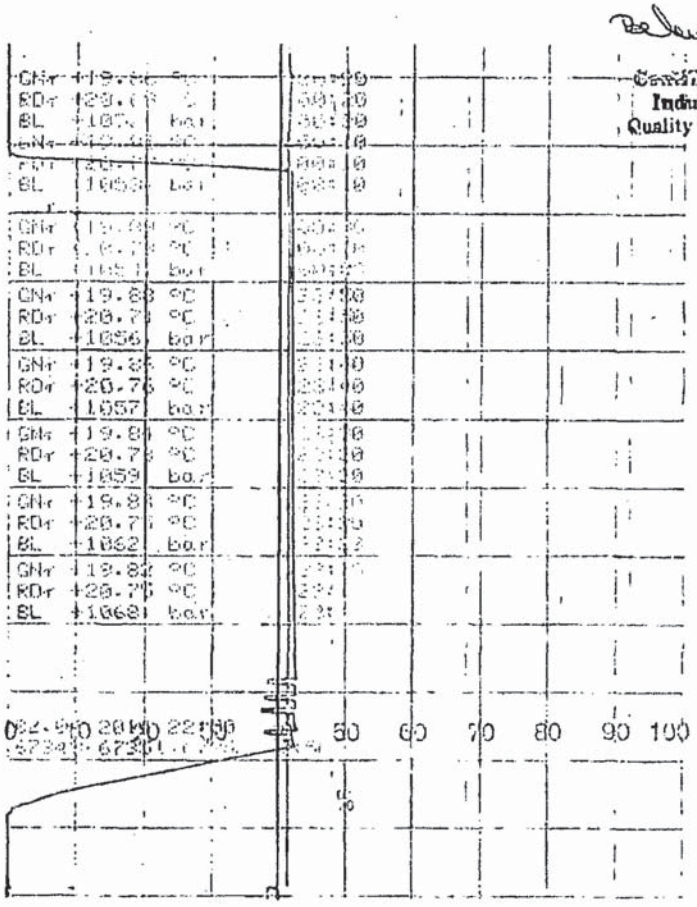

ContiTech Rubber
Industrial Kit.
Quality Control Dept.
(1)

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
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 27712

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 27712
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	6/23/2021
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	6/23/2021