District I
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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

Form C-101
August 1, 2011

Permit 370646

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	14744
	3. API Number 30-015-55311

4. Property Code	5. Property Name	6. Well No.
336200	Bonanza 22 15 State Com	558H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	22	25S	28E	J	2480	S	1540	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	15	25S	28E	A	100	N	330	E	Eddy

9. Pool Information

SAN LORENZO;BONE SPRING	53600

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	2963
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	16813	3rd Bone Spring Carbonate		8/10/2024
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☐ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	475	390	0
Int1	12.25	9.625	36	2475	555	0
Prod	8.75	7	26	8145	700	2275
Liner1	6.125	4.5	13.5	16813	355	7945

Casing/Cement Program: Additional Comments

MOC proposed to drill & test the Bone Springs formation. H2S rule 118 does not apply because MOC has researched the area & no high concentrations were found. Will have on location & working all H2S safety equipment before Yates formation for safety & insurance purposes. Will stimulate as needed for production.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	2500	SCHAFFER
Double Ram	5000	5000	SCHAFFER
Pipe	5000	5000	SCHAFFER

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.** Signature:		**OIL CONSERVATION DIVISION**	
Printed Name:	Electronically filed by Monty Whetstone	Approved By:	Ward Rikala
Title:	Vice President Operations	Title:	Petroleum Specialist Supervisor
Email Address:	fking@mewbourne.com	Approved Date:	8/9/2024 Expiration Date: 8/9/2026
Date:	7/30/2024 Phone: 903-561-2900	Conditions of Approval Attached	

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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
30-015-55311	53600	SAN LORENZO; BONE SPRING

4 Property Code	5 Property Name	6 Well Number
336200	BONANZA 22/15 STATE COM	558H

7 OGRID NO.	8 Operator Name	9 Elevation
14744	MEWBOURNE OIL COMPANY	2963'

10 Surface Location

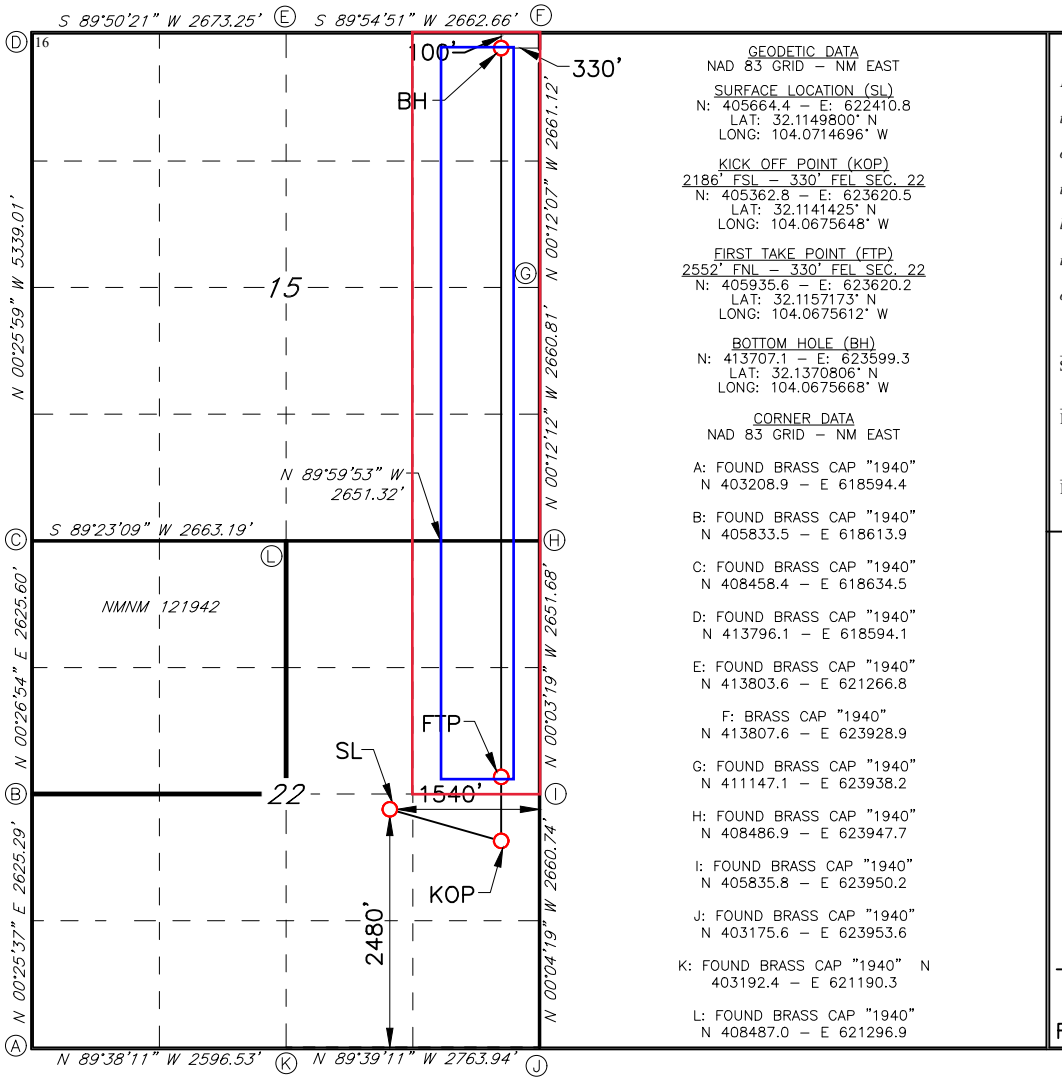
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
J	22	25S	28E		2480	SOUTH	1540	EAST	EDDY

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
A	15	25S	28E		100	NORTH	330	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
240			

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION (SL)
N: 405664.4 – E: 622410.8
LAT: 32.1149800° N
LONG: 104.0714696° W

KICK OFF POINT (KOP)
2186' FSL – 330' FEL SEC. 22
N: 405362.8 – E: 623620.5
LAT: 32.1141425° N
LONG: 104.0675648° W

FIRST TAKE POINT (FTP)
2552' FNL – 330' FEL SEC. 22
N: 405935.6 – E: 623620.2
LAT: 32.1157173° N
LONG: 104.0675612° W

BOTTOM HOLE (BH)
N: 413707.1 – E: 623599.3
LAT: 32.1370806° N
LONG: 104.0675668° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1940"
N 403208.9 – E 618594.4

B: FOUND BRASS CAP "1940"
N 405833.5 – E 618613.9

C: FOUND BRASS CAP "1940"
N 408458.4 – E 618634.5

D: FOUND BRASS CAP "1940"
N 413796.1 – E 618594.1

E: FOUND BRASS CAP "1940"
N 413803.6 – E 621266.8

F: BRASS CAP "1940"
N 413807.6 – E 623928.9

G: FOUND BRASS CAP "1940"
N 411147.1 – E 623938.2

H: FOUND BRASS CAP "1940"
N 408486.9 – E 623947.7

I: FOUND BRASS CAP "1940"
N 405835.8 – E 623950.2

J: FOUND BRASS CAP "1940"
N 403175.6 – E 623953.6

K: FOUND BRASS CAP "1940" N
403192.4 – E 621190.3

L: FOUND BRASS CAP "1940"
N 408487.0 – E 621296.9

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.

Andrew W Taylor 7/29/2024
Signature Date

Andrew Taylor
Printed Name

ataylor@mewbourne.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.

06/10/2024
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR

19680
Certificate Number

REV: WELL CALLS/LEASE 7/05/24

Job No: LS24060518D

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

Form APD Comments

Permit 370646

PERMIT COMMENTS

Operator Name and Address:	API Number:
MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241	30-015-55311
	Well: Bonanza 22 15 State Com #558H

Created By	Comment	Comment Date
ward.rikala	If pit is not going to be used -a C-103 NOI will need to be sent in requesting closed loop.	8/9/2024

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

Form APD Conditions

Permit 370646

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241	30-015-55311
	Well: Bonanza 22 15 State Com #558H

OCD Reviewer	Condition
ward.rikala	Notify OCD 24 hours prior to casing & cement
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104
ward.rikala	Pit construction and closure must satisfy all requirements of your approved plan
ward.rikala	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
ward.rikala	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing
ward.rikala	If cement does not circulate on any string, a CBL is required for that string of casing
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
ward.rikala	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

Mewbourne Oil Company, Bonanza 22/15 State Com 558H
Sec 22, T25S, R28E
SHL: 2480' FSL 1540' FEL (Sec 22)
BHL: 100' FNL 330' FEL (Sec 15)

Operator Name:	Property Name:	Well Number
Mewbourne Oil Company	Bonanza 22/15 State Com	558H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
I	22	25S	28E	-	2186'	FSL	330'	FEL	Eddy
Latitude					Longitude				NAD
32.1141425					-104.0675648				83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
H	22	25S	28E	-	2552'	FNL	330'	FEL	Eddy
Latitude					Longitude				NAD
32.1157173					-104.0675612				83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	15	25S	28E	-	100'	FNL	330'	FEL	Eddy
Latitude					Longitude				NAD
32.1370806					--104.0675668				83

Is this well the defining well for the Horizontal Spacing Unit? Y
Is this well an infill well? N

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

API #

Operator Name:	Property Name:	Well Number

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: Mewbourne Oil Co. **OGRID:** 14744 **Date:** 07/24/2024

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Bonanza 22/15 State Com #558H		22 25S 28E	2480' FSL x 1560' FWL	1500	5000	1000

IV. Central Delivery Point Name: Bonanza Master Meter [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Bonanza 22/15 State Com #558H		11/24/2024	12/24/204	1/24/2025	02/08/2024	02/13/2024

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

Page 8

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	Bradley Bishop
Printed Name:	BRADLEY BISHOP
Title:	REGULATORY MANAGER
E-mail Address:	BBISHOP@MEWBOURNE.COM
Date:	7/24/22
Phone:	575-393-5905

OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)

Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

Mewbourne Oil Company

Natural Gas Management Plan – Attachment

VI. Separation equipment will be sized by construction engineering staff based on stated manufacturer daily throughput capacities and anticipated daily production rates to ensure adequate capacity. Closed vent system piping, compression needs, and VRUs will be sized utilizing ProMax modelling software to ensure adequate capacity for anticipated production volumes and conditions.

VII. Mewbourne Oil Company (MOC) will take following actions to comply with the regulations listed in 19.15.27.8 :

A. MOC will maximize the recovery of natural gas by minimizing the waste, as defined by 19.15.2 NMAC, of natural gas through venting and flaring. MOC will ensure that well(s) will be connected to a natural gas gathering system with sufficient capacity to transport natural gas. If there is no adequate takeaway for the gas, well(s) will be shut in until the natural gas gathering system is available.

B. All drilling operations will be equipped with a rig flare located at least 100 ft from the nearest surface hole. Rig flare will be utilized to combust any natural gas that is brought to surface during normal drilling operations. In the case of emergency venting or flaring the volumes will be estimated and reported appropriately.

C. During completion operations any natural gas brought to surface will be flared. Immediately following the finish of completion operations, all well flow will be directed to permanent separation equipment. Produced natural gas from separation equipment will be sent to sales. It is not anticipated that gas will not meet pipeline standards. However, if natural gas does not meet gathering pipeline quality specifications, MOC will flare the natural gas for 60 days or until the natural gas meets the pipeline quality specifications, whichever is sooner. MOC will ensure that the flare is sized properly and is equipped with automatic igniter or continuous pilot. The gas sample will analyzed twice per week and the gas will be routed into a gathering system as soon as pipeline specifications are met.

D. Natural gas will not be flared with the exceptions and provisions listed in the 19.15.27.8 D.(1) through (4). If there is no adequate takeaway for the separator gas, well(s) will be shut in until the natural gas gathering system is available with exception of emergency or malfunction situations. Venting and/or flaring volumes will be estimated and reported appropriately.

E. MOC will comply with the performance standards requirements and provisions listed in 19.15.27.8 E.(1) through (8). All equipment will be designed and sized to handle maximum anticipated pressures and throughputs in order to minimize the waste. Production storage tanks constructed after May 25, 2021 will be equipped with automatic gauging system. Flares constructed after May 25, 2021 will be equipped with automatic igniter or continuous pilot. Flares will be located at least 100' from the well and storage tanks unless otherwise approved by the division. MOC will conduct AVO inspections as described in 19.15.27.8 E (5) (a) with frequencies specified in 19.15.27.8 E (5) (b) and (c). All emergencies will be resolved as quickly and safely as feasible to minimize waste.

F. The volume of natural gas that is vented or flared as the result of malfunction or emergency during drilling and completions operations will be estimated. The volume of natural gas that is vented, flared or beneficially used during production operations, will be measured or estimated. MOC will install equipment to measure

the volume of natural gas flared from existing process piping or a flowline piped from equipment such as high pressure separators, heater treaters, or vapor recovery units associated with a well or facility associated with a well authorized by an APD issued after May 25, 2021 that has an average daily production greater than 60 Mcf/day. If metering is not practicable due to circumstances such as low flow rate or low pressureventing and flaring, MOC will estimate the volume of vented or flared natural gas. Measuring equipment will conform to industry standards and will not be designed or equipped with a manifold that allows thediversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.

VIII. For maintenance activities involving production equipment and compression, venting will be limited to the depressurization of the subject equipment to ensure safe working conditions. For maintenance of production and compression equipment the associated producing wells will be shut in to eliminate venting. For maintenance of VRUs all gas normally routed to the VRU will be routed to flare to eliminate venting.

MEWBOURNE OIL COMPANY

EDDY COUNTY, NEW MEXICO (NAD 83 - GRID)
SEC. 22 T25S R28E
BONANZA 22/15 STATE COM 558H

ORIGINAL WELLBORE
08 July, 2024

Plan: PROPOSAL #1

INFINITY
Energy Services

INFINITY
Energy Services

Project: EDDY COUNTY, NEW MEXICO (NAD 83 - GRID)
Site: SEC. 22 T25S R28E
Well: BONANZA 22/15 STATE COM 558H
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Dep	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL: 2480ft FSL & 1540ft FEL of Sec 22
575.00	0.00	0.00	575.00	0.00	0.00	0.00	0.00	START NUDGE (2°/100ft)
972.52	7.95	105.55	971.25	-7.38	26.53	-3.42	27.54	EOB TO 7.95° INC
7547.27	7.95	105.55	7482.80	-251.14	902.65	-116.49	936.94	END OF TANGENT
7944.79	0.00	0.00	7879.05	-258.52	929.18	-119.91	964.47	EOD TO VERTICAL
8144.79	0.00	0.00	8079.05	-258.52	929.18	-119.91	964.47	KOP (10°/100ft)
9041.89	89.71	18.40	8652.00	282.39	1109.12	441.49	1534.53	LP *NEW*: 2540ft FNL & 430ft FEL of Sec 22
9660.10	89.71	359.85	8655.15	890.10	1206.75	1056.95	2152.73	EOT TO 359.85° AZ
16812.81	89.71	359.85	8691.00	8042.70	1188.50	8130.04	9305.35	BHL: 100ft FNL & 330ft FEL of Sec 15

PROPOSED LOCAL COORDINATES:

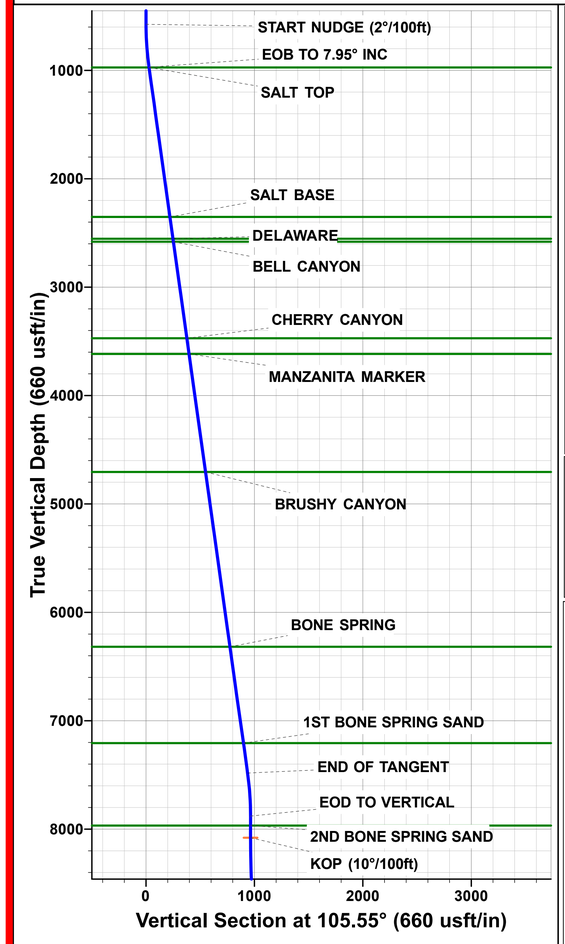
SHL: 2480ft FSL & 1540ft FEL Sec 22

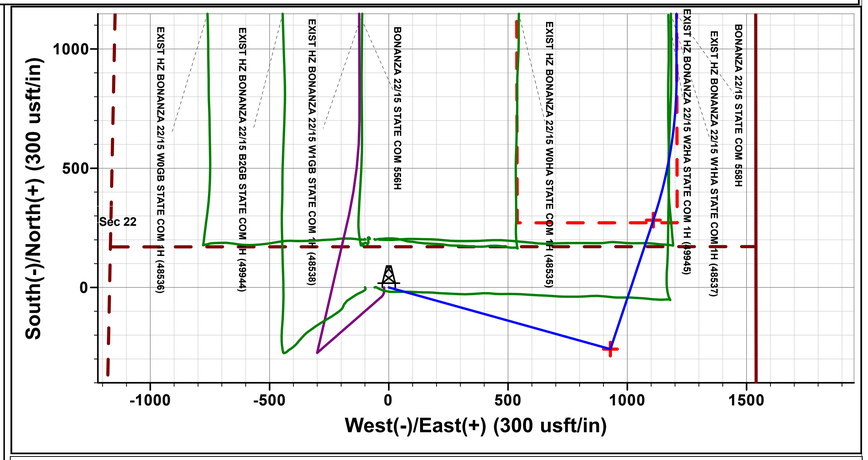
LP NEW*: 2540ft FNL & 430ft FEL Sec 22

BHL: 100ft FNL & 330ft FEL Sec 15

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KOP - BONANZA 22/15 STATE COM 558H	8079.04	-258.52	929.18	405405.88	623339.98	32.114263	-104.068470
LP *NEW* - BONANZA 22/15 STATE COM 558H	8652.00	282.39	1109.12	405946.79	623519.92	32.115749	-104.067885
BHL - BONANZA 22/15 STATE COM 558H	8691.00	8042.70	1188.50	413707.10	623599.30	32.137081	-104.067567



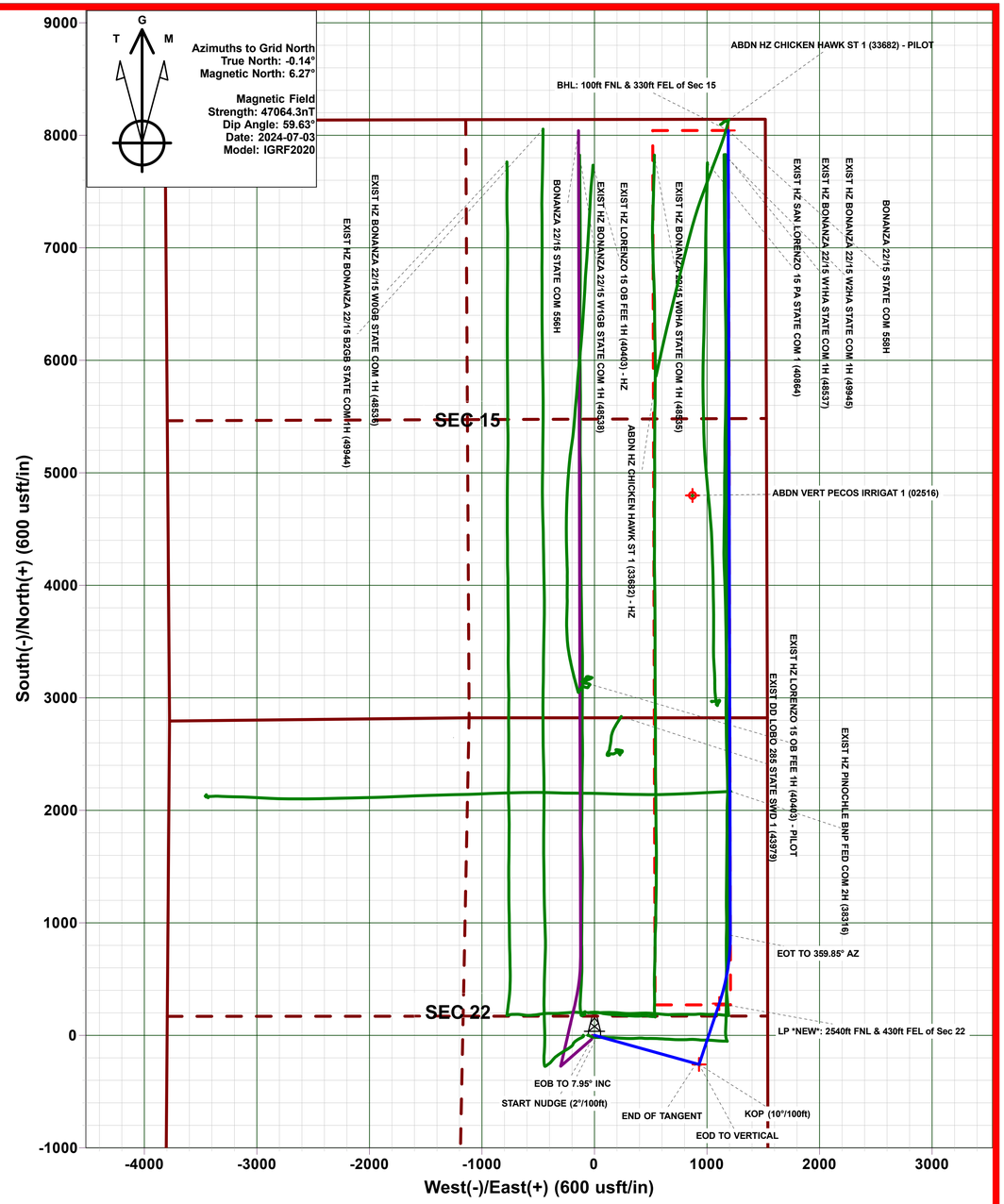


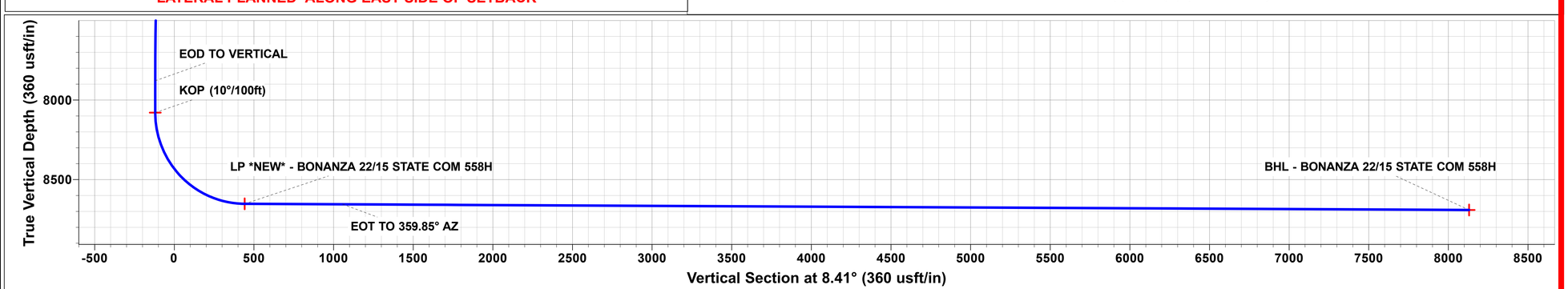
SETBACK BOUNDARIES

100ft FNL of Sec 15 & 2550ft FNL of Sec 22

330ft & 1001ft FEL of Sec 22/15

LATERAL PLANNED ALONG EAST SIDE OF SETBACK





MEWBOURNE OIL COMPANY

Planning Report

INFINITY Energy Services

Database:	Database 1	**Local Co-ordinate Reference:**	Well BONANZA 22/15 STATE COM 558H
Company:	MEWBOURNE OIL COMPANY	**TVD Reference:**	KBE @ 2991.00usft (PATT 267)
Project:	EDDY COUNTY, NEW MEXICO (NAD 83 - GRID)	**MD Reference:**	KBE @ 2991.00usft (PATT 267)
Site:	SEC. 22 T25S R28E	**North Reference:**	Grid
Well:	BONANZA 22/15 STATE COM 558H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Project EDDY COUNTY, NEW MEXICO (NAD 83 - GRID)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site SEC. 22 T25S R28E

Site Position:		**Northing:**	405,664.40 usft	**Latitude:**	32.114980
From:	Map	**Easting:**	622,410.80 usft	**Longitude:**	-104.071470
Position Uncertainty:	0.00 usft	**Slot Radius:**	1.10 ft	**Grid Convergence:**	0.14 °

Well BONANZA 22/15 STATE COM 558H

Well Position	**+N/-S**	0.00 usft	**Northing:**	405,664.40 usft	**Latitude:**	32.114980
	+E/-W	0.00 usft	**Easting:**	622,410.80 usft	**Longitude:**	-104.071470
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	2,963.00 usft

Wellbore ORIGINAL WELLBORE

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2024-07-03	6.41	59.63	47,064.25408744

Design PROPOSAL #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	8.41

Plan Sections

MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usf	Build Rate (°/100usf	Turn Rate (°/100usf	TFO (°)	Target
0.00	0.00	0.00	0.00	-2,991.00	0.00	0.00	0.00	0.00	0.00	0.00	
575.00	0.00	0.00	575.00	-2,416.00	0.00	0.00	0.00	0.00	0.00	0.00	
972.52	7.95	105.55	971.25	-2,019.75	-7.38	26.53	2.00	2.00	0.00	105.55	
7,547.27	7.95	105.55	7,482.80	4,491.80	-251.14	902.65	0.00	0.00	0.00	0.00	
7,944.79	0.00	0.00	7,879.05	4,888.05	-258.52	929.18	2.00	-2.00	0.00	180.00	
8,144.79	0.00	0.00	8,079.05	5,088.05	-258.52	929.18	0.00	0.00	0.00	0.00	KOP - BONANZA 2
9,041.89	89.71	18.40	8,652.00	5,661.00	282.39	1,109.12	10.00	10.00	2.05	18.40	LP *NEW* - BONAI
9,660.10	89.71	359.85	8,655.15	5,664.15	890.10	1,206.75	3.00	0.00	-3.00	-90.04	
16,812.81	89.71	359.85	8,691.00	5,700.00	8,042.70	1,188.50	0.00	0.00	0.00	0.00	BHL - BONANZA 2

MEWBOURNE OIL COMPANY

Planning Report

INFINITY Energy Services

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Project:	EDDY COUNTY, NEW MEXICO (NAD 83 - GRID)	**MD Reference:**	KBE @ 2991.00usft (PATT 267)
Site:	SEC. 22 T25S R28E	**North Reference:**	Grid
Well:	BONANZA 22/15 STATE COM 558H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
SHL: 2480ft FSL & 1540ft FEL of Sec 22										
0.00	***0.00***	***0.00***	***0.00***	***2,991.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***
100.00	0.00	0.00	100.00	2,891.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	2,791.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	2,691.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	2,591.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	2,491.00	0.00	0.00	0.00	0.00	0.00	0.00
START NUDGE (2°/100ft)										
575.00	***0.00***	***0.00***	***575.00***	***2,416.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***
600.00	0.50	105.55	600.00	2,391.00	-0.03	0.11	-0.01	2.00	2.00	0.00
700.00	2.50	105.55	699.96	2,291.04	-0.73	2.63	-0.34	2.00	2.00	0.00
800.00	4.50	105.55	799.77	2,191.23	-2.37	8.51	-1.10	2.00	2.00	0.00
900.00	6.50	105.55	899.30	2,091.70	-4.94	17.74	-2.29	2.00	2.00	0.00
EOB TO 7.95° INC										
972.52	***7.95***	***105.55***	***971.25***	***2,019.75***	***-7.38***	***26.53***	***-3.42***	***2.00***	***2.00***	***0.00***
SALT TOP										
974.29	***7.95***	***105.55***	***973.00***	***2,018.00***	***-7.45***	***26.76***	***-3.45***	***0.00***	***0.00***	***0.00***
1,000.00	7.95	105.55	998.46	1,992.54	-8.40	30.19	-3.90	0.00	0.00	0.00
1,100.00	7.95	105.55	1,097.50	1,893.50	-12.11	43.52	-5.62	0.00	0.00	0.00
1,200.00	7.95	105.55	1,196.54	1,794.46	-15.81	56.84	-7.34	0.00	0.00	0.00
1,300.00	7.95	105.55	1,295.58	1,695.42	-19.52	70.17	-9.05	0.00	0.00	0.00
1,400.00	7.95	105.55	1,394.62	1,596.38	-23.23	83.49	-10.77	0.00	0.00	0.00
1,500.00	7.95	105.55	1,493.66	1,497.34	-26.94	96.82	-12.49	0.00	0.00	0.00
1,600.00	7.95	105.55	1,592.69	1,398.31	-30.64	110.14	-14.21	0.00	0.00	0.00
1,700.00	7.95	105.55	1,691.73	1,299.27	-34.35	123.47	-15.93	0.00	0.00	0.00
1,800.00	7.95	105.55	1,790.77	1,200.23	-38.06	136.79	-17.65	0.00	0.00	0.00
1,900.00	7.95	105.55	1,889.81	1,101.19	-41.77	150.12	-19.37	0.00	0.00	0.00
2,000.00	7.95	105.55	1,988.85	1,002.15	-45.47	163.45	-21.09	0.00	0.00	0.00
2,100.00	7.95	105.55	2,087.89	903.11	-49.18	176.77	-22.81	0.00	0.00	0.00
2,200.00	7.95	105.55	2,186.93	804.07	-52.89	190.10	-24.53	0.00	0.00	0.00
2,300.00	7.95	105.55	2,285.97	705.03	-56.60	203.42	-26.25	0.00	0.00	0.00
SALT BASE										
2,366.68	***7.95***	***105.55***	***2,352.00***	***639.00***	***-59.07***	***212.31***	***-27.40***	***0.00***	***0.00***	***0.00***
2,400.00	7.95	105.55	2,385.00	606.00	-60.30	216.75	-27.97	0.00	0.00	0.00
2,500.00	7.95	105.55	2,484.04	506.96	-64.01	230.07	-29.69	0.00	0.00	0.00
DELAWARE										
2,569.63	***7.95***	***105.55***	***2,553.00***	***438.00***	***-66.59***	***239.35***	***-30.89***	***0.00***	***0.00***	***0.00***
BELL CANYON										
2,597.90	***7.95***	***105.55***	***2,581.00***	***410.00***	***-67.64***	***243.12***	***-31.37***	***0.00***	***0.00***	***0.00***
2,600.00	7.95	105.55	2,583.08	407.92	-67.72	243.40	-31.41	0.00	0.00	0.00
2,700.00	7.95	105.55	2,682.12	308.88	-71.43	256.72	-33.13	0.00	0.00	0.00
2,800.00	7.95	105.55	2,781.16	209.84	-75.13	270.05	-34.85	0.00	0.00	0.00
2,900.00	7.95	105.55	2,880.20	110.80	-78.84	283.38	-36.57	0.00	0.00	0.00
3,000.00	7.95	105.55	2,979.24	11.76	-82.55	296.70	-38.29	0.00	0.00	0.00
3,100.00	7.95	105.55	3,078.28	-87.28	-86.26	310.03	-40.01	0.00	0.00	0.00
3,200.00	7.95	105.55	3,177.31	-186.31	-89.96	323.35	-41.73	0.00	0.00	0.00
3,300.00	7.95	105.55	3,276.35	-285.35	-93.67	336.68	-43.45	0.00	0.00	0.00
3,400.00	7.95	105.55	3,375.39	-384.39	-97.38	350.00	-45.17	0.00	0.00	0.00
CHERRY CANYON										
3,496.54	***7.95***	***105.55***	***3,471.00***	***-480.00***	***-100.96***	***362.87***	***-46.83***	***0.00***	***0.00***	***0.00***
3,500.00	7.95	105.55	3,474.43	-483.43	-101.09	363.33	-46.89	0.00	0.00	0.00
3,600.00	7.95	105.55	3,573.47	-582.47	-104.79	376.66	-48.61	0.00	0.00	0.00

MEWBOURNE OIL COMPANY

Planning Report

INFINITY Energy Services

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Project:	EDDY COUNTY, NEW MEXICO (NAD 83 - GRID)	**MD Reference:**	KBE @ 2991.00usft (PATT 267)
Site:	SEC. 22 T25S R28E	**North Reference:**	Grid
Well:	BONANZA 22/15 STATE COM 558H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
MANZANITA MARKER										
3,642.94	***7.95***	***105.55***	***3,616.00***	***-625.00***	***-106.39***	***382.38***	***-49.35***	***0.00***	***0.00***	***0.00***
3,700.00	7.95	105.55	3,672.51	-681.51	-108.50	389.98	-50.33	0.00	0.00	0.00
3,800.00	7.95	105.55	3,771.55	-780.55	-112.21	403.31	-52.05	0.00	0.00	0.00
3,900.00	7.95	105.55	3,870.59	-879.59	-115.92	416.63	-53.77	0.00	0.00	0.00
4,000.00	7.95	105.55	3,969.63	-978.63	-119.62	429.96	-55.49	0.00	0.00	0.00
4,100.00	7.95	105.55	4,068.66	-1,077.66	-123.33	443.28	-57.21	0.00	0.00	0.00
4,200.00	7.95	105.55	4,167.70	-1,176.70	-127.04	456.61	-58.92	0.00	0.00	0.00
4,300.00	7.95	105.55	4,266.74	-1,275.74	-130.75	469.93	-60.64	0.00	0.00	0.00
4,400.00	7.95	105.55	4,365.78	-1,374.78	-134.45	483.26	-62.36	0.00	0.00	0.00
4,500.00	7.95	105.55	4,464.82	-1,473.82	-138.16	496.59	-64.08	0.00	0.00	0.00
4,600.00	7.95	105.55	4,563.86	-1,572.86	-141.87	509.91	-65.80	0.00	0.00	0.00
4,700.00	7.95	105.55	4,662.90	-1,671.90	-145.58	523.24	-67.52	0.00	0.00	0.00
BRUSHY CANYON										
4,742.51	***7.95***	***105.55***	***4,705.00***	***-1,714.00***	***-147.15***	***528.90***	***-68.25***	***0.00***	***0.00***	***0.00***
4,800.00	7.95	105.55	4,761.94	-1,770.94	-149.28	536.56	-69.24	0.00	0.00	0.00
4,900.00	7.95	105.55	4,860.97	-1,869.97	-152.99	549.89	-70.96	0.00	0.00	0.00
5,000.00	7.95	105.55	4,960.01	-1,969.01	-156.70	563.21	-72.68	0.00	0.00	0.00
5,100.00	7.95	105.55	5,059.05	-2,068.05	-160.41	576.54	-74.40	0.00	0.00	0.00
5,200.00	7.95	105.55	5,158.09	-2,167.09	-164.11	589.86	-76.12	0.00	0.00	0.00
5,300.00	7.95	105.55	5,257.13	-2,266.13	-167.82	603.19	-77.84	0.00	0.00	0.00
5,400.00	7.95	105.55	5,356.17	-2,365.17	-171.53	616.52	-79.56	0.00	0.00	0.00
5,500.00	7.95	105.55	5,455.21	-2,464.21	-175.24	629.84	-81.28	0.00	0.00	0.00
5,600.00	7.95	105.55	5,554.25	-2,563.25	-178.94	643.17	-83.00	0.00	0.00	0.00
5,700.00	7.95	105.55	5,653.28	-2,662.28	-182.65	656.49	-84.72	0.00	0.00	0.00
5,800.00	7.95	105.55	5,752.32	-2,761.32	-186.36	669.82	-86.44	0.00	0.00	0.00
5,900.00	7.95	105.55	5,851.36	-2,860.36	-190.07	683.14	-88.16	0.00	0.00	0.00
6,000.00	7.95	105.55	5,950.40	-2,959.40	-193.77	696.47	-89.88	0.00	0.00	0.00
6,100.00	7.95	105.55	6,049.44	-3,058.44	-197.48	709.79	-91.60	0.00	0.00	0.00
6,200.00	7.95	105.55	6,148.48	-3,157.48	-201.19	723.12	-93.32	0.00	0.00	0.00
6,300.00	7.95	105.55	6,247.52	-3,256.52	-204.90	736.45	-95.04	0.00	0.00	0.00
BONE SPRING										
6,371.17	***7.95***	***105.55***	***6,318.00***	***-3,327.00***	***-207.54***	***745.93***	***-96.26***	***0.00***	***0.00***	***0.00***
6,400.00	7.95	105.55	6,346.56	-3,355.56	-208.60	749.77	-96.76	0.00	0.00	0.00
6,500.00	7.95	105.55	6,445.60	-3,454.60	-212.31	763.10	-98.48	0.00	0.00	0.00
6,600.00	7.95	105.55	6,544.63	-3,553.63	-216.02	776.42	-100.20	0.00	0.00	0.00
6,700.00	7.95	105.55	6,643.67	-3,652.67	-219.73	789.75	-101.92	0.00	0.00	0.00
6,800.00	7.95	105.55	6,742.71	-3,751.71	-223.43	803.07	-103.64	0.00	0.00	0.00
6,900.00	7.95	105.55	6,841.75	-3,850.75	-227.14	816.40	-105.36	0.00	0.00	0.00
7,000.00	7.95	105.55	6,940.79	-3,949.79	-230.85	829.72	-107.07	0.00	0.00	0.00
7,100.00	7.95	105.55	7,039.83	-4,048.83	-234.56	843.05	-108.79	0.00	0.00	0.00
7,200.00	7.95	105.55	7,138.87	-4,147.87	-238.26	856.38	-110.51	0.00	0.00	0.00
1ST BONE SPRING SAND										
7,267.78	***7.95***	***105.55***	***7,206.00***	***-4,215.00***	***-240.78***	***865.41***	***-111.68***	***0.00***	***0.00***	***0.00***
7,300.00	7.95	105.55	7,237.91	-4,246.91	-241.97	869.70	-112.23	0.00	0.00	0.00
7,400.00	7.95	105.55	7,336.94	-4,345.94	-245.68	883.03	-113.95	0.00	0.00	0.00
7,500.00	7.95	105.55	7,435.98	-4,444.98	-249.39	896.35	-115.67	0.00	0.00	0.00
END OF TANGENT										
7,547.27	***7.95***	***105.55***	***7,482.80***	***-4,491.80***	***-251.14***	***902.65***	***-116.49***	***0.00***	***0.00***	***0.00***
7,600.00	6.90	105.55	7,535.09	-4,544.09	-252.97	909.21	-117.33	2.00	-2.00	0.00
7,700.00	4.90	105.55	7,634.55	-4,643.55	-255.72	919.11	-118.61	2.00	-2.00	0.00
7,800.00	2.90	105.55	7,734.32	-4,743.32	-257.54	925.66	-119.45	2.00	-2.00	0.00

MEWBOURNE OIL COMPANY

Planning Report

INFINITY Energy Services

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Project:	EDDY COUNTY, NEW MEXICO (NAD 83 - GRID)	**MD Reference:**	KBE @ 2991.00usft (PATT 267)
Site:	SEC. 22 T25S R28E	**North Reference:**	Grid
Well:	BONANZA 22/15 STATE COM 558H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,900.00	0.90	105.55	7,834.26	-4,843.26	-258.43	928.84	-119.87	2.00	-2.00	0.00
EOD TO VERTICAL										
7,944.79	***0.00***	***0.00***	***7,879.05***	***-4,888.05***	***-258.52***	***929.18***	***-119.91***	***2.00***	***-2.00***	***0.00***
8,000.00	0.00	0.00	7,934.25	-4,943.25	-258.52	929.18	-119.91	0.00	0.00	0.00
2ND BONE SPRING SAND										
8,032.75	***0.00***	***0.00***	***7,967.00***	***-4,976.00***	***-258.52***	***929.18***	***-119.91***	***0.00***	***0.00***	***0.00***
8,100.00	0.00	0.00	8,034.25	-5,043.25	-258.52	929.18	-119.91	0.00	0.00	0.00
KOP (10°/100ft)										
8,144.79	***0.00***	***0.00***	***8,079.05***	***-5,088.05***	***-258.52***	***929.18***	***-119.91***	***0.00***	***0.00***	***0.00***
8,200.00	5.52	18.40	8,134.17	-5,143.17	-256.00	930.02	-117.29	10.00	10.00	0.00
8,300.00	15.52	18.40	8,232.36	-5,241.36	-238.69	935.78	-99.33	10.00	10.00	0.00
8,400.00	25.52	18.40	8,325.90	-5,334.90	-205.47	946.83	-64.85	10.00	10.00	0.00
8,500.00	35.52	18.40	8,411.93	-5,420.93	-157.35	962.84	-14.90	10.00	10.00	0.00
8,600.00	45.52	18.40	8,487.85	-5,496.85	-95.77	983.32	49.00	10.00	10.00	0.00
8,700.00	55.52	18.40	8,551.35	-5,560.35	-22.63	1,007.65	124.92	10.00	10.00	0.00
8,800.00	65.52	18.40	8,600.50	-5,609.50	59.87	1,035.10	210.54	10.00	10.00	0.00
8,900.00	75.52	18.40	8,633.81	-5,642.81	149.21	1,064.82	303.27	10.00	10.00	0.00
9,000.00	85.52	18.40	8,650.26	-5,659.26	242.69	1,095.91	400.29	10.00	10.00	0.00
LP *NEW*: 2540ft FNL & 430ft FEL of Sec 22										
9,041.89	***89.71***	***18.40***	***8,652.00***	***-5,661.00***	***282.39***	***1,109.12***	***441.49***	***10.00***	***10.00***	***0.00***
9,100.00	89.71	16.66	8,652.30	-5,661.30	337.80	1,126.62	498.87	3.00	0.00	-3.00
9,200.00	89.71	13.66	8,652.81	-5,661.81	434.31	1,152.76	598.16	3.00	0.00	-3.00
9,300.00	89.71	10.66	8,653.32	-5,662.32	532.05	1,173.82	697.93	3.00	0.00	-3.00
9,400.00	89.71	7.66	8,653.83	-5,662.83	630.77	1,189.73	797.91	3.00	0.00	-3.00
9,500.00	89.71	4.66	8,654.34	-5,663.34	730.18	1,200.46	897.82	3.00	0.00	-3.00
9,600.00	89.71	1.66	8,654.84	-5,663.84	830.01	1,205.96	997.39	3.00	0.00	-3.00
EOT TO 359.85° AZ										
9,660.10	***89.71***	***359.85***	***8,655.15***	***-5,664.15***	***890.10***	***1,206.75***	***1,056.95***	***3.00***	***0.00***	***-3.00***
9,700.00	89.71	359.85	8,655.35	-5,664.35	930.00	1,206.65	1,096.41	0.00	0.00	0.00
9,800.00	89.71	359.85	8,655.85	-5,664.85	1,030.00	1,206.40	1,195.30	0.00	0.00	0.00
9,900.00	89.71	359.85	8,656.35	-5,665.35	1,130.00	1,206.14	1,294.18	0.00	0.00	0.00
10,000.00	89.71	359.85	8,656.85	-5,665.85	1,230.00	1,205.89	1,393.07	0.00	0.00	0.00
10,100.00	89.71	359.85	8,657.35	-5,666.35	1,330.00	1,205.63	1,491.96	0.00	0.00	0.00
10,200.00	89.71	359.85	8,657.85	-5,666.85	1,430.00	1,205.38	1,590.84	0.00	0.00	0.00
10,300.00	89.71	359.85	8,658.35	-5,667.35	1,529.99	1,205.12	1,689.73	0.00	0.00	0.00
10,400.00	89.71	359.85	8,658.85	-5,667.85	1,629.99	1,204.87	1,788.62	0.00	0.00	0.00
10,500.00	89.71	359.85	8,659.36	-5,668.36	1,729.99	1,204.61	1,887.50	0.00	0.00	0.00
10,600.00	89.71	359.85	8,659.86	-5,668.86	1,829.99	1,204.36	1,986.39	0.00	0.00	0.00
10,700.00	89.71	359.85	8,660.36	-5,669.36	1,929.99	1,204.10	2,085.28	0.00	0.00	0.00
10,800.00	89.71	359.85	8,660.86	-5,669.86	2,029.99	1,203.84	2,184.16	0.00	0.00	0.00
10,900.00	89.71	359.85	8,661.36	-5,670.36	2,129.98	1,203.59	2,283.05	0.00	0.00	0.00
11,000.00	89.71	359.85	8,661.86	-5,670.86	2,229.98	1,203.33	2,381.94	0.00	0.00	0.00
11,100.00	89.71	359.85	8,662.36	-5,671.36	2,329.98	1,203.08	2,480.82	0.00	0.00	0.00
11,200.00	89.71	359.85	8,662.86	-5,671.86	2,429.98	1,202.82	2,579.71	0.00	0.00	0.00
11,300.00	89.71	359.85	8,663.37	-5,672.37	2,529.98	1,202.57	2,678.60	0.00	0.00	0.00
11,400.00	89.71	359.85	8,663.87	-5,672.87	2,629.98	1,202.31	2,777.48	0.00	0.00	0.00
11,500.00	89.71	359.85	8,664.37	-5,673.37	2,729.97	1,202.06	2,876.37	0.00	0.00	0.00
11,600.00	89.71	359.85	8,664.87	-5,673.87	2,829.97	1,201.80	2,975.26	0.00	0.00	0.00
11,700.00	89.71	359.85	8,665.37	-5,674.37	2,929.97	1,201.55	3,074.14	0.00	0.00	0.00
11,800.00	89.71	359.85	8,665.87	-5,674.87	3,029.97	1,201.29	3,173.03	0.00	0.00	0.00
11,900.00	89.71	359.85	8,666.37	-5,675.37	3,129.97	1,201.04	3,271.92	0.00	0.00	0.00
12,000.00	89.71	359.85	8,666.87	-5,675.87	3,229.97	1,200.78	3,370.81	0.00	0.00	0.00
12,100.00	89.71	359.85	8,667.38	-5,676.38	3,329.97	1,200.53	3,469.69	0.00	0.00	0.00

MEWBOURNE OIL COMPANY

Planning Report

INFINITY Energy Services

Database:	Database 1	**Local Co-ordinate Reference:**	Well BONANZA 22/15 STATE COM 558H
Company:	MEWBOURNE OIL COMPANY	**TVD Reference:**	KBE @ 2991.00usft (PATT 267)
Project:	EDDY COUNTY, NEW MEXICO (NAD 83 - GRID)	**MD Reference:**	KBE @ 2991.00usft (PATT 267)
Site:	SEC. 22 T25S R28E	**North Reference:**	Grid
Well:	BONANZA 22/15 STATE COM 558H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,200.00	89.71	359.85	8,667.88	-5,676.88	3,429.96	1,200.27	3,568.58	0.00	0.00	0.00
12,300.00	89.71	359.85	8,668.38	-5,677.38	3,529.96	1,200.02	3,667.47	0.00	0.00	0.00
12,400.00	89.71	359.85	8,668.88	-5,677.88	3,629.96	1,199.76	3,766.35	0.00	0.00	0.00
12,500.00	89.71	359.85	8,669.38	-5,678.38	3,729.96	1,199.51	3,865.24	0.00	0.00	0.00
12,600.00	89.71	359.85	8,669.88	-5,678.88	3,829.96	1,199.25	3,964.13	0.00	0.00	0.00
12,700.00	89.71	359.85	8,670.38	-5,679.38	3,929.96	1,199.00	4,063.01	0.00	0.00	0.00
12,800.00	89.71	359.85	8,670.89	-5,679.89	4,029.95	1,198.74	4,161.90	0.00	0.00	0.00
12,900.00	89.71	359.85	8,671.39	-5,680.39	4,129.95	1,198.49	4,260.79	0.00	0.00	0.00
13,000.00	89.71	359.85	8,671.89	-5,680.89	4,229.95	1,198.23	4,359.67	0.00	0.00	0.00
13,100.00	89.71	359.85	8,672.39	-5,681.39	4,329.95	1,197.98	4,458.56	0.00	0.00	0.00
13,200.00	89.71	359.85	8,672.89	-5,681.89	4,429.95	1,197.72	4,557.45	0.00	0.00	0.00
13,300.00	89.71	359.85	8,673.39	-5,682.39	4,529.95	1,197.46	4,656.33	0.00	0.00	0.00
13,400.00	89.71	359.85	8,673.89	-5,682.89	4,629.94	1,197.21	4,755.22	0.00	0.00	0.00
13,500.00	89.71	359.85	8,674.39	-5,683.39	4,729.94	1,196.95	4,854.11	0.00	0.00	0.00
13,600.00	89.71	359.85	8,674.90	-5,683.90	4,829.94	1,196.70	4,952.99	0.00	0.00	0.00
13,700.00	89.71	359.85	8,675.40	-5,684.40	4,929.94	1,196.44	5,051.88	0.00	0.00	0.00
13,800.00	89.71	359.85	8,675.90	-5,684.90	5,029.94	1,196.19	5,150.77	0.00	0.00	0.00
13,900.00	89.71	359.85	8,676.40	-5,685.40	5,129.94	1,195.93	5,249.66	0.00	0.00	0.00
14,000.00	89.71	359.85	8,676.90	-5,685.90	5,229.94	1,195.68	5,348.54	0.00	0.00	0.00
14,100.00	89.71	359.85	8,677.40	-5,686.40	5,329.93	1,195.42	5,447.43	0.00	0.00	0.00
14,200.00	89.71	359.85	8,677.90	-5,686.90	5,429.93	1,195.17	5,546.32	0.00	0.00	0.00
14,300.00	89.71	359.85	8,678.40	-5,687.40	5,529.93	1,194.91	5,645.20	0.00	0.00	0.00
14,400.00	89.71	359.85	8,678.91	-5,687.91	5,629.93	1,194.66	5,744.09	0.00	0.00	0.00
14,500.00	89.71	359.85	8,679.41	-5,688.41	5,729.93	1,194.40	5,842.98	0.00	0.00	0.00
14,600.00	89.71	359.85	8,679.91	-5,688.91	5,829.93	1,194.15	5,941.86	0.00	0.00	0.00
14,700.00	89.71	359.85	8,680.41	-5,689.41	5,929.92	1,193.89	6,040.75	0.00	0.00	0.00
14,800.00	89.71	359.85	8,680.91	-5,689.91	6,029.92	1,193.64	6,139.64	0.00	0.00	0.00
14,900.00	89.71	359.85	8,681.41	-5,690.41	6,129.92	1,193.38	6,238.52	0.00	0.00	0.00
15,000.00	89.71	359.85	8,681.91	-5,690.91	6,229.92	1,193.13	6,337.41	0.00	0.00	0.00
15,100.00	89.71	359.85	8,682.41	-5,691.41	6,329.92	1,192.87	6,436.30	0.00	0.00	0.00
15,200.00	89.71	359.85	8,682.92	-5,691.92	6,429.92	1,192.62	6,535.18	0.00	0.00	0.00
15,300.00	89.71	359.85	8,683.42	-5,692.42	6,529.91	1,192.36	6,634.07	0.00	0.00	0.00
15,400.00	89.71	359.85	8,683.92	-5,692.92	6,629.91	1,192.11	6,732.96	0.00	0.00	0.00
15,500.00	89.71	359.85	8,684.42	-5,693.42	6,729.91	1,191.85	6,831.84	0.00	0.00	0.00
15,600.00	89.71	359.85	8,684.92	-5,693.92	6,829.91	1,191.60	6,930.73	0.00	0.00	0.00
15,700.00	89.71	359.85	8,685.42	-5,694.42	6,929.91	1,191.34	7,029.62	0.00	0.00	0.00
15,800.00	89.71	359.85	8,685.92	-5,694.92	7,029.91	1,191.08	7,128.51	0.00	0.00	0.00
15,900.00	89.71	359.85	8,686.42	-5,695.42	7,129.91	1,190.83	7,227.39	0.00	0.00	0.00
16,000.00	89.71	359.85	8,686.93	-5,695.93	7,229.90	1,190.57	7,326.28	0.00	0.00	0.00
16,100.00	89.71	359.85	8,687.43	-5,696.43	7,329.90	1,190.32	7,425.17	0.00	0.00	0.00
16,200.00	89.71	359.85	8,687.93	-5,696.93	7,429.90	1,190.06	7,524.05	0.00	0.00	0.00
16,300.00	89.71	359.85	8,688.43	-5,697.43	7,529.90	1,189.81	7,622.94	0.00	0.00	0.00
16,400.00	89.71	359.85	8,688.93	-5,697.93	7,629.90	1,189.55	7,721.83	0.00	0.00	0.00
16,500.00	89.71	359.85	8,689.43	-5,698.43	7,729.90	1,189.30	7,820.71	0.00	0.00	0.00
16,600.00	89.71	359.85	8,689.93	-5,698.93	7,829.89	1,189.04	7,919.60	0.00	0.00	0.00
16,700.00	89.71	359.85	8,690.43	-5,699.43	7,929.89	1,188.79	8,018.49	0.00	0.00	0.00
16,800.00	89.71	359.85	8,690.94	-5,699.94	8,029.89	1,188.53	8,117.37	0.00	0.00	0.00
BHL: 100ft FNL & 330ft FEL of Sec 15										
16,812.81	***89.71***	***359.85***	***8,691.00***	***-5,700.00***	***8,042.70***	***1,188.50***	***8,130.04***	***0.00***	***0.00***	***0.00***

MEWBOURNE OIL COMPANY

Planning Report

INFINITY Energy Services

Database:	Database 1	**Local Co-ordinate Reference:**	Well BONANZA 22/15 STATE COM 558H
Company:	MEWBOURNE OIL COMPANY	**TVD Reference:**	KBE @ 2991.00usft (PATT 267)
Project:	EDDY COUNTY, NEW MEXICO (NAD 83 - GRID)	**MD Reference:**	KBE @ 2991.00usft (PATT 267)
Site:	SEC. 22 T25S R28E	**North Reference:**	Grid
Well:	BONANZA 22/15 STATE COM 558H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Formations

MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
974.29	973.00	SALT TOP		0.00	
2,366.68	2,352.00	SALT BASE		0.00	
2,569.63	2,553.00	DELAWARE		0.00	
2,597.90	2,581.00	BELL CANYON		0.00	
3,496.54	3,471.00	CHERRY CANYON		0.00	
3,642.94	3,616.00	MANZANITA MARKER		0.00	
4,742.51	4,705.00	BRUSHY CANYON		0.00	
6,371.17	6,318.00	BONE SPRING		0.00	
7,267.78	7,206.00	1ST BONE SPRING SAND		0.00	
8,032.75	7,967.00	2ND BONE SPRING SAND		0.00	

Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
0.00	0.00	0.00	0.00	SHL: 2480ft FSL & 1540ft FEL of Sec 22
575.00	575.00	0.00	0.00	START NUDGE (2°/100ft)
972.52	971.25	-7.38	26.53	EOB TO 7.95° INC
7,547.27	7,482.80	-251.14	902.65	END OF TANGENT
7,944.79	7,879.05	-258.52	929.18	EOD TO VERTICAL
8,144.79	8,079.05	-258.52	929.18	KOP (10°/100ft)
9,041.89	8,652.00	282.39	1,109.12	LP *NEW*: 2540ft FNL & 430ft FEL of Sec 22
9,660.10	8,655.15	890.10	1,206.75	EOT TO 359.85° AZ
16,812.81	8,691.00	8,042.70	1,188.50	BHL: 100ft FNL & 330ft FEL of Sec 15

MEWBOURNE OIL COMPANY

Mewbourne Oil Co.

BOP Break Testing Variance

Mewbourne Oil Company requests a variance from the minimum standards for well control equipment testing of 43 CFR 3172 to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with batch drilling & offline cementing operations. Modern rig upgrades which facilitate pad drilling allow the BOP stack to be moved between wells on a multi-well pad without breaking any BOP stack components apart. Widespread use of these technologies has led to break testing BOPE being endorsed as safe and reliable. American Petroleum Institute (API) best practices are frequently used by regulators to develop their regulations. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (5th Ed., Dec. 2018) Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component."

Procedures

1. Full BOPE test at first installation on the pad.
   - Full BOPE test at least every 21 days.
   - Function test BOP elements per 43 CFR 3172.
   - Contact the BLM if a well control event occurs.
2. After the well section is secured and the well is confirmed to be static, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad. Two breaks on the BOPE will be made (Fig. 1).
   - Connection between the flex line and the HCR valve
   - Connection between the wellhead and the BOP quick connect (Fig. 5 & 6).
3. A capping flange will be installed after cementing per wellhead vendor procedure & casing pressure will be monitored via wellhead valve.
4. The BOP will be removed and carried by a hydraulic carrier (Fig. 3 & 4).
5. The rig will then walk to the next well.
6. Confirm that the well is static and remove the capping flange.
7. The connection between the flex line and HCR valve and the connection between the wellhead and the BOP quick connect will be reconnected.
8. Install a test plug into the wellhead.
9. A test will then be conducted against the upper pipe rams and choke, testing both breaks (Fig. 1 & 2).
10. The test will be held at 250 psi low and to the high value submitted in the APD, not to exceed 5000 psi.
11. The annular, blind rams and lower pipe rams will then be function tested.
12. If a pad consists of three or more wells, steps 4 through 11 will be repeated.

MEWBOURNE OIL COMPANY

13. A break test will only be conducted if the intermediate section can be drilled and cased within 21 days of the last full BOPE test.

Barriers

Before Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff

After Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff
- Offline cementing tool and/or cement head
- Capping flange after cementing

Summary

A variance is requested to only test broken pressure seals on the BOPE when moving between wells on a multi-well pad if the following conditions are met:

- A full BOPE test is conducted on the first well on the pad. API Standard 53 requires testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater.
- If the first well on the pad is not the well with the deepest intermediate section, a full BOPE test will also be performed when moving to a deeper well.
- The hole section being drilled has a MASP under 5000 psi.
- If a well control event occurs, Mewbourne will contact BLM for permission to continue break testing.
- If significant (>50%) losses occur, full BOPE testing will be required going forward.
- Full BOPE test will be required prior to drilling the production hole.

While walking the rig, the BOP stack will be secured via hydraulic winch or hydraulic carrier. A full BOPE test will be performed at least every 21 days.

MEWBOURNE
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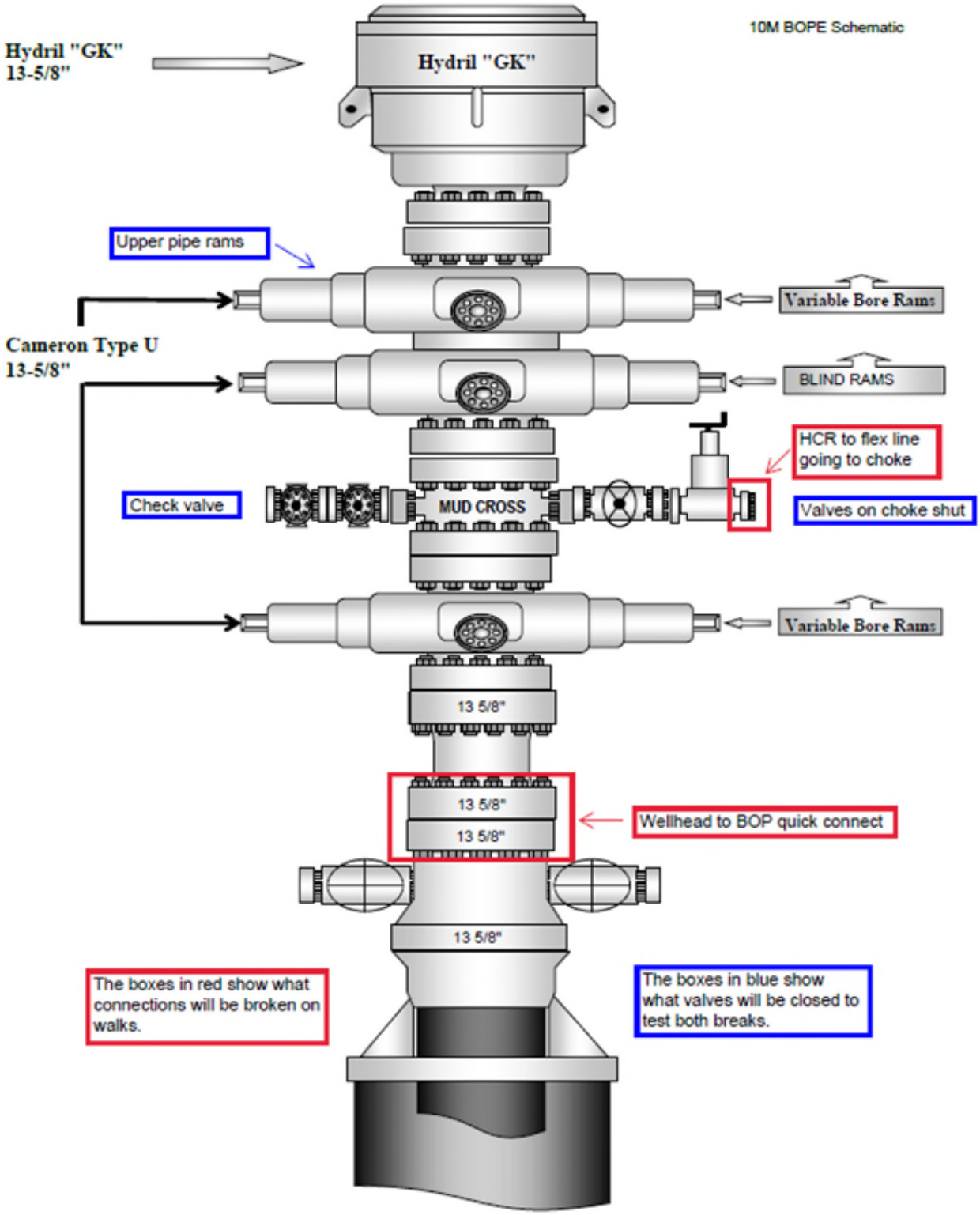

Figure 1. BOP diagram

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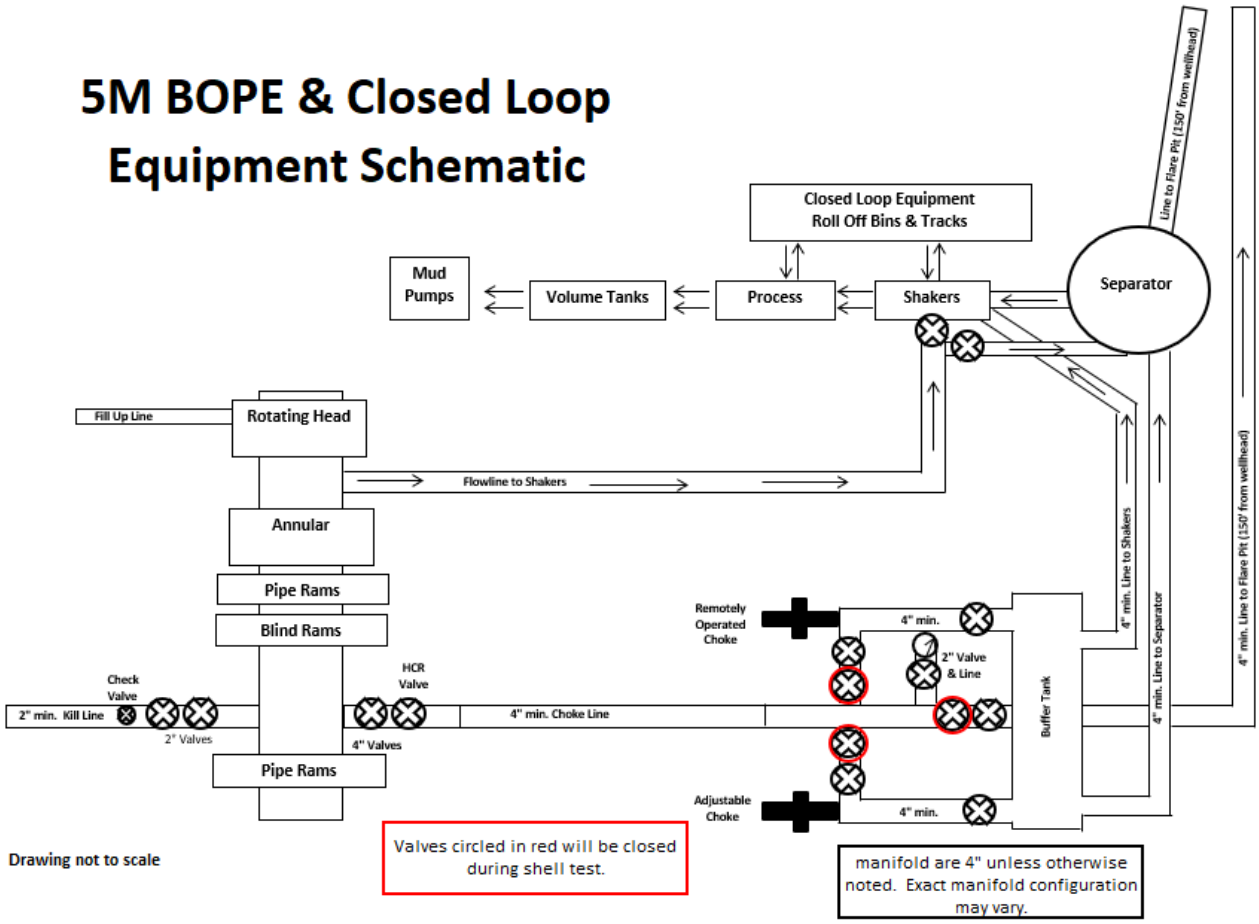

Figure 2. BOPE diagram

MEWBOURNE
OIL COMPANY

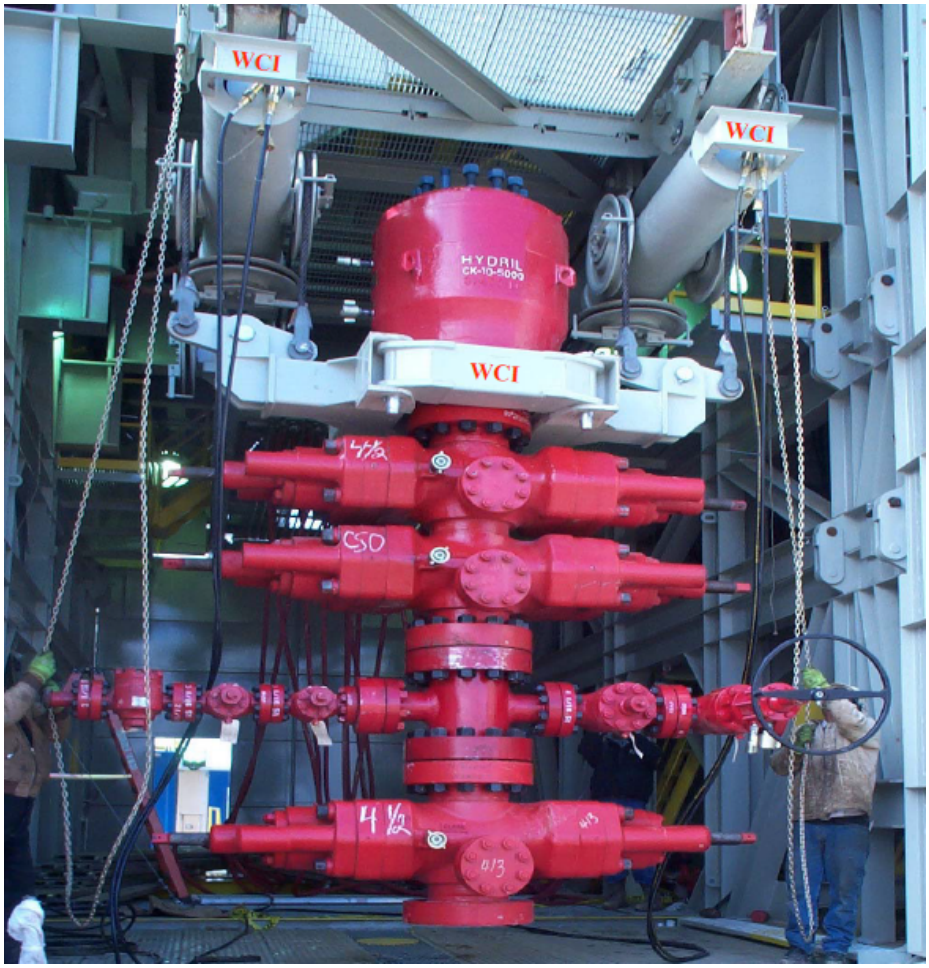

Figure 3. BOP handling system

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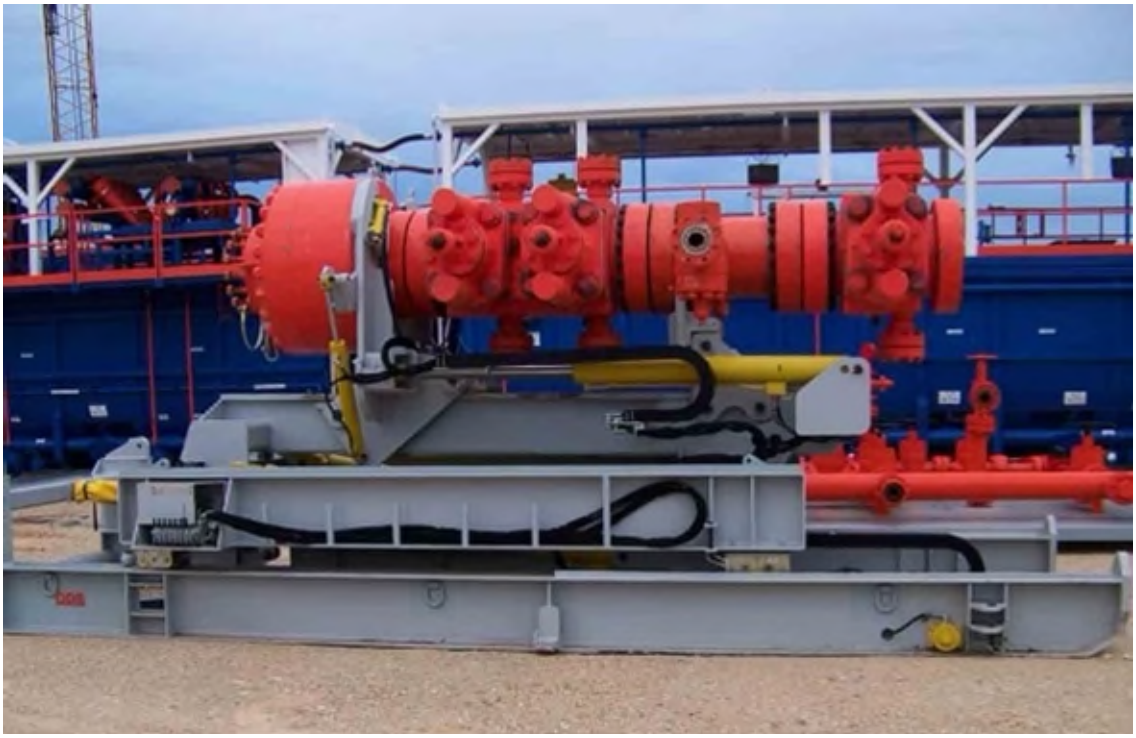

Figure 4. BOP handling system

MEWBOURNE
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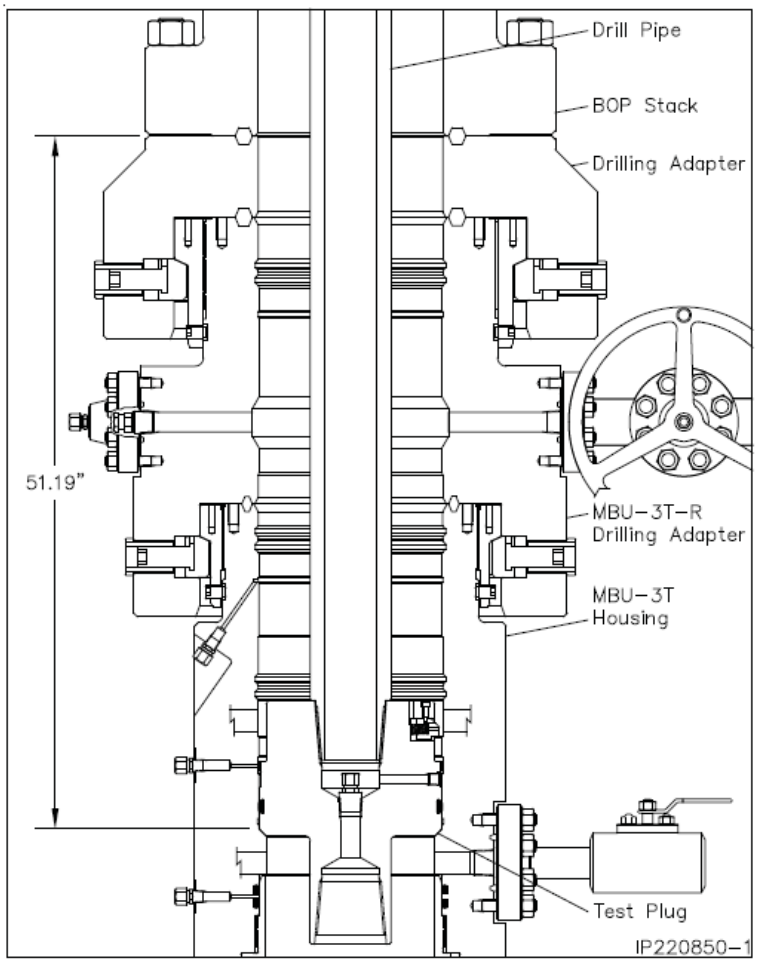

Figure 5. Cactus 5M wellhead with BOP quick connect

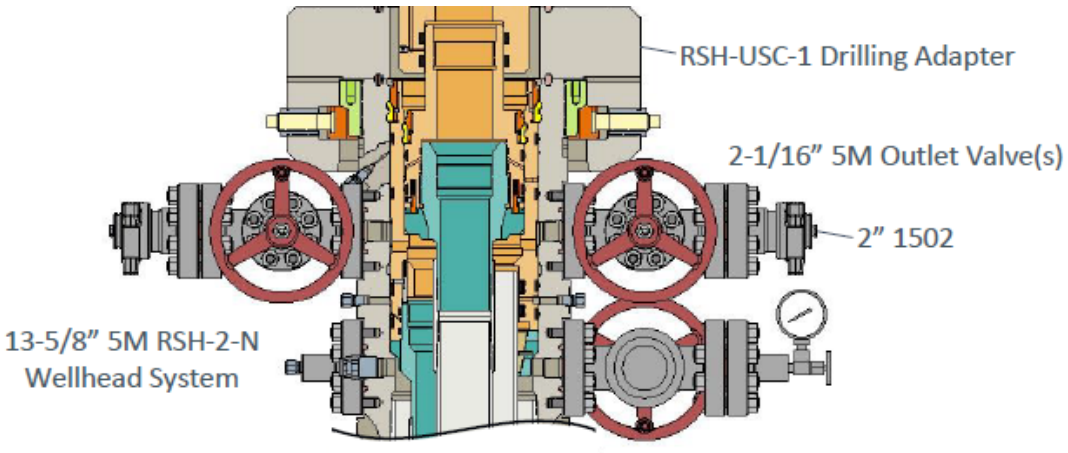

Figure 6. Vault 5M wellhead with BOP quick connect

MEWBOURNE OIL COMPANY

Mewbourne Oil Co.

Surface & Intermediate Offline Cementing Variance

Mewbourne Oil Company requests a variance to perform offline cementing for surface and intermediate casing strings with the following conditions:

- Offline cementing will not be performed on production casing.
- Offline cementing will not be performed on a hole section with MASP > 5000 psi.
- Offline cementing will not be performed concurrently with offset drilling.

Surface Casing Order of Operations:

1. Run 13 3/8" surface casing as per normal operations (TPGS and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Confirm well is static.
4. Make up 13 ⅝" wellhead or wellhead landing ring assembly and land on 20" conductor.
5. Fill pipe, circulate casing capacity and confirm float(s) are still holding.
6. Confirm well is static.
7. Back out landing joint and pull to rig floor. Lay down landing joint.
8. Walk rig to next well on pad with cement crew standing by to rig up.
9. Make up offline cement tool with forklift per wellhead manufacturer (Fig. 1 & 2).
10. Make up cement head on top of offline cement tool with forklift.
11. Commence cement operations.
12. If cement circulates, confirm well is static and proceed to step 16.
13. If cement does not circulate, notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
14. Use 1" pipe for remedial cement job until the surface casing is cemented to surface.
15. Confirm well is static.
16. Once cement job is complete, the cement head and offline cementing tool are removed. The wellhead technician returns to cellar to install wellhead/valves.
17. Install wellhead capping flange.

Barriers

Before Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus

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After Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Offline cementing tool tested to 5000 psi and cement head
- Capping flange after cementing

20” Surface Casing Order of Operations (4 string area):

1. Run 20" surface casing as per normal operations (TPGS and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Fill pipe, circulate casing capacity and confirm float(s) are still holding.
4. Confirm well is static.
5. Back out landing joint and pull to rig floor. Lay down landing joint.
6. Make up cement head.
7. Walk rig to next well on pad with cement crew standing by to rig up.
8. Commence cement operations.
9. If cement circulates, confirm well is static and proceed to step 13.
10. If cement does not circulate, notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
11. Use 1" pipe for remedial cement job until the surface casing is cemented to surface.
12. Confirm well is static.
13. Once cement job is complete, remove cement head and install cap.

Barriers

Before Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Cement Head

After Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Cement head
- Capping flange after cementing

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Intermediate Casing Order of Operations:

1. Run casing as per normal operations (float shoe and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Confirm well is static (if running SBM).
4. Land casing.
5. Fill pipe, circulate casing capacity and confirm floats are still holding.
6. Confirm well is static.
7. Back out landing joint and pull to rig floor. Lay down landing joint. Install packoff & test.
8. Nipple down BOP.
9. Walk rig to next well on pad with cement crew standing by to rig up.
10. Make up offline cement tool using forklift per wellhead manufacturer (Fig. 3 - 8).
11. Make up cement head on top of offline cement tool.
12. Commence cement operations.
13. If cement circulates, confirm well is static and proceed to step 16.
14. If cement does not circulate (when required), notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
15. Pump remedial cement job if required.
16. Confirm well is static.
17. Remove cement head and offline cementing tool.
18. Install wellhead capping flange and test.

Barriers

Before Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff

After Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff
- Offline cementing tool tested to 5000 psi and cement head
- Capping flange after cementing

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Risks:

- Pressure build up in annulus before cementing
  - Contact BLM if a well control event occurs.
  - Rig up 3rd party pump or rig pumps to pump down casing and kill well.
  - Returns will be taken through the wellhead valves to a choke manifold (Fig 9 & 10).
  - Well could also be killed through the wellhead valves down the annulus.

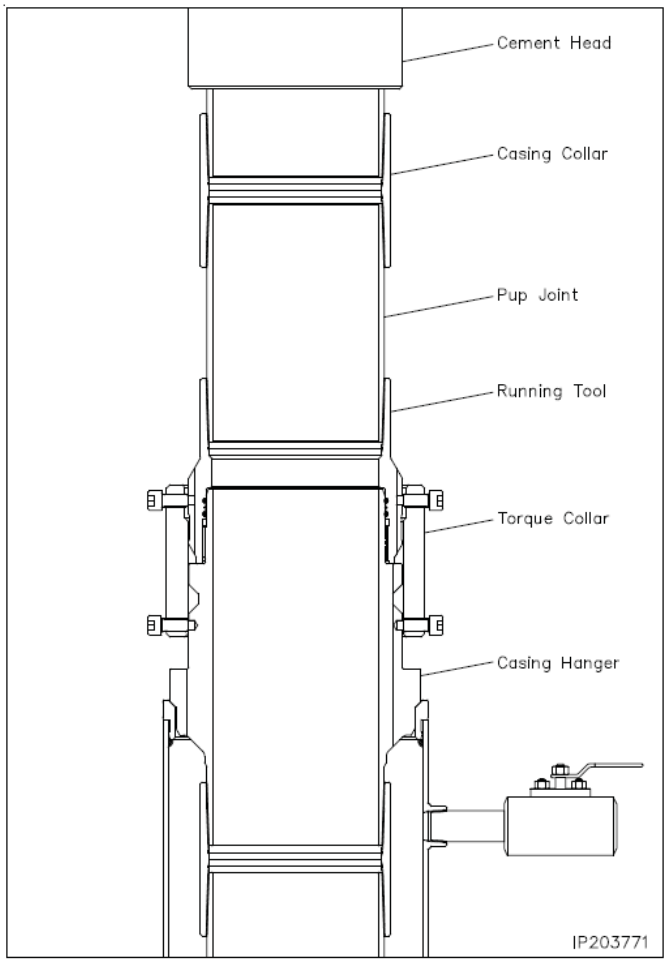

Figure 1. Cactus 13 3/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 13 3/8" pup joint and casing.

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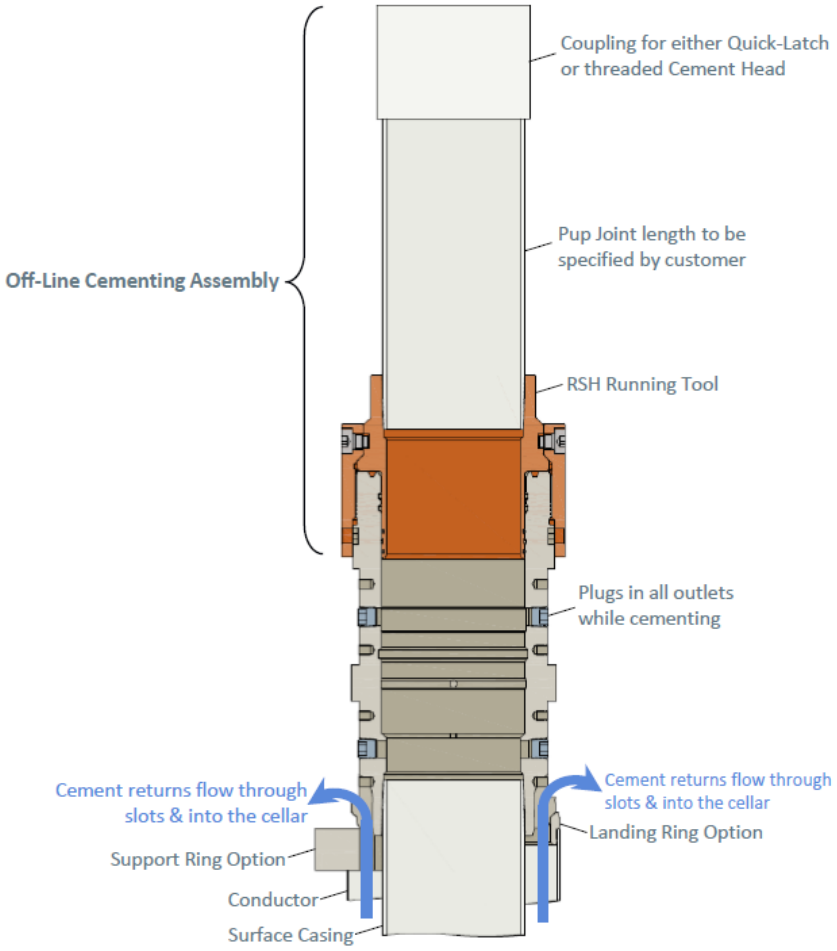

Figure 2. Vault 13 3/8” 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 13 3/8” pup joint and casing.

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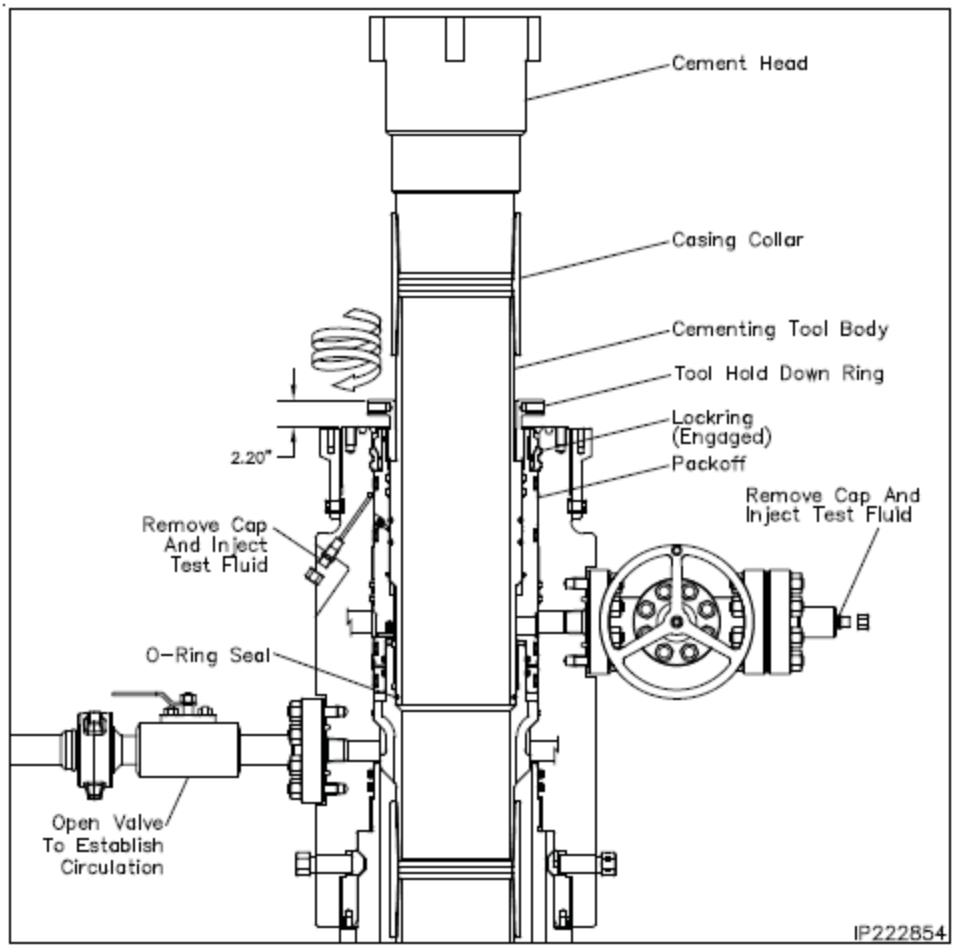

Figure 3. Cactus 9 5/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 9 5/8" pup joint and casing.

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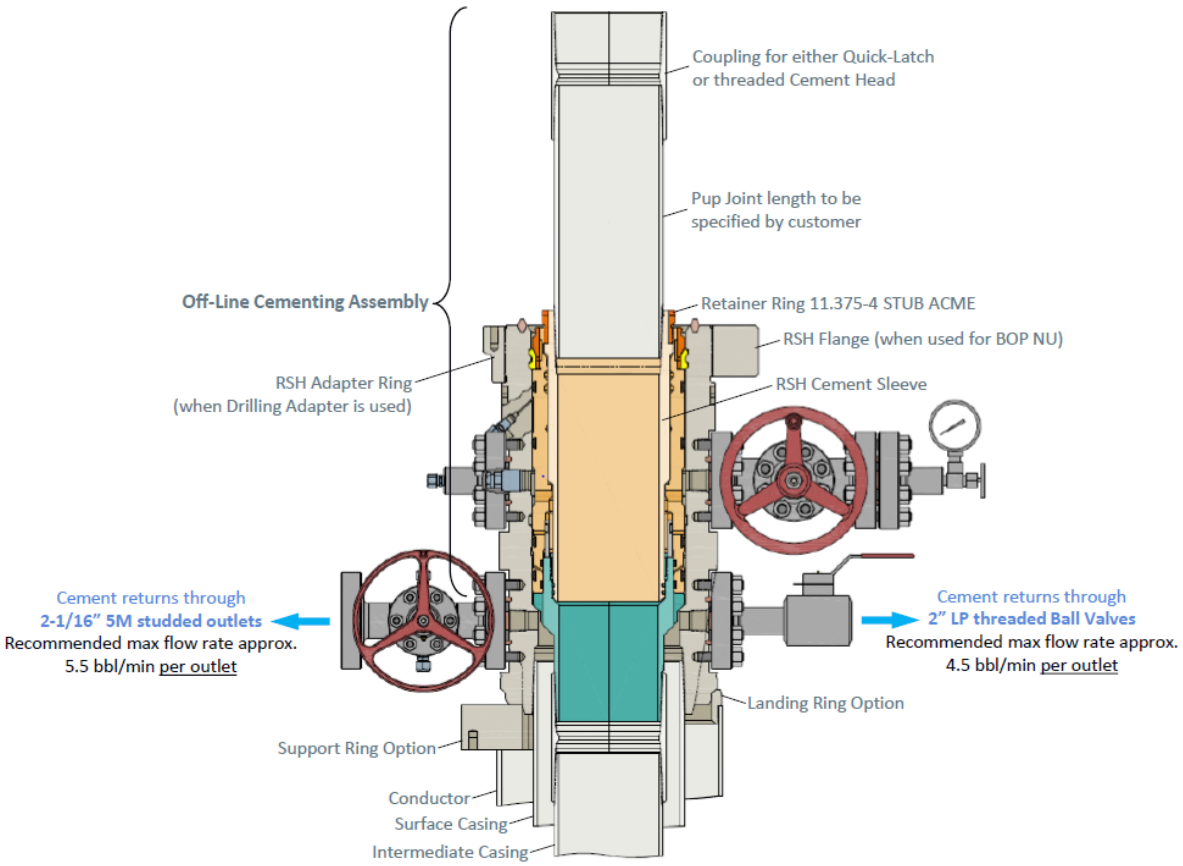

Figure 4. Vault 9 5/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 9 5/8" pup joint and casing.

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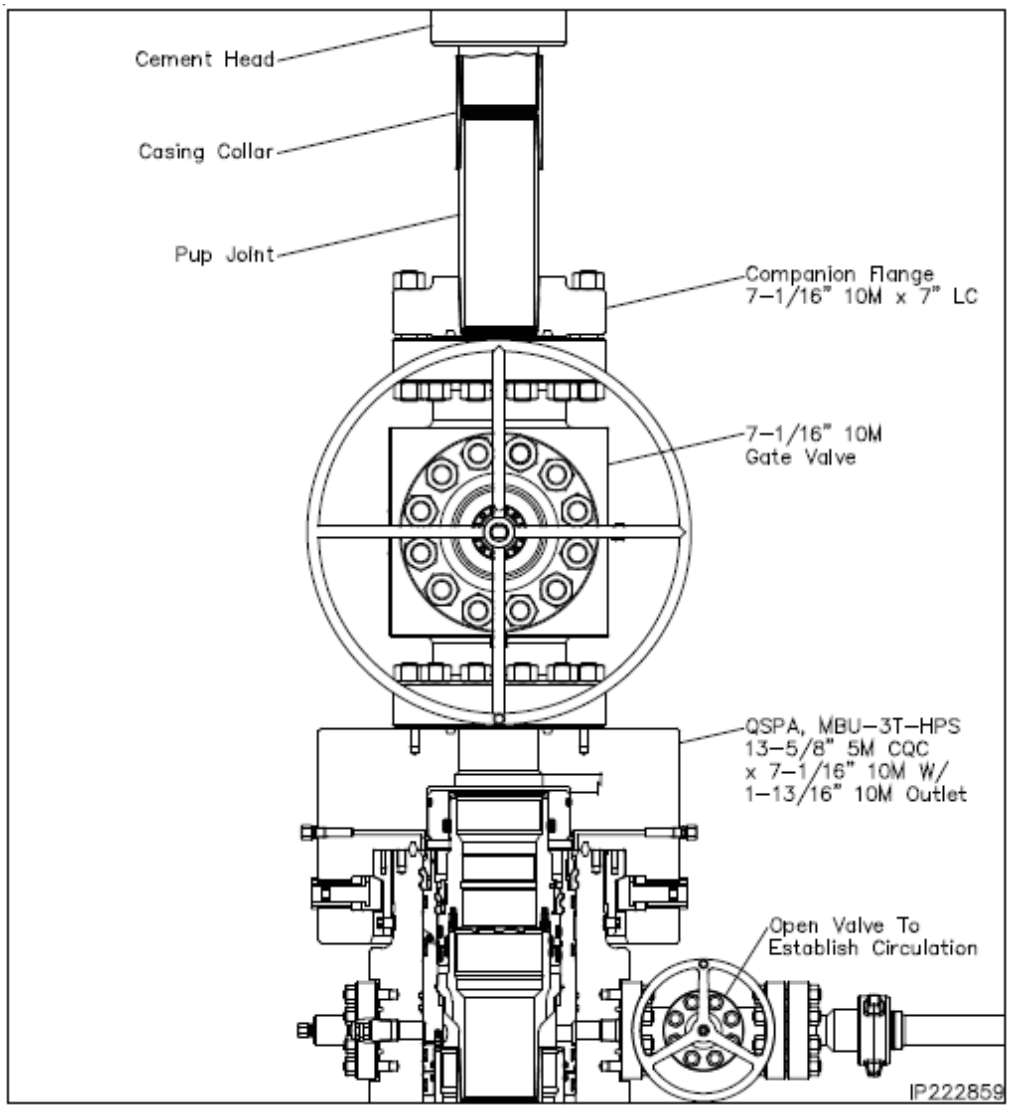

Figure 5. Cactus 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

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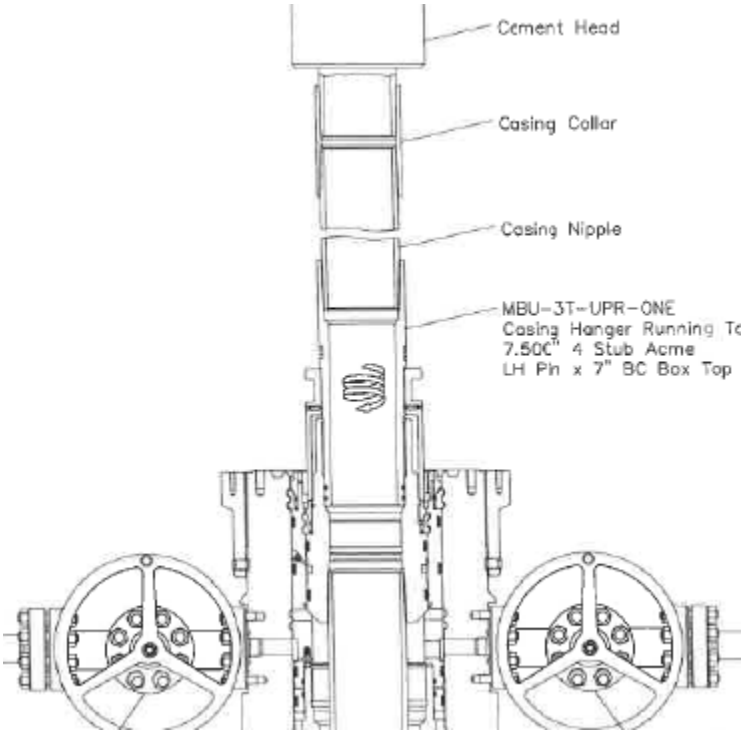

Figure 6. Cactus 7” 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7” pup joint and casing.

MEWBOURNE OIL COMPANY

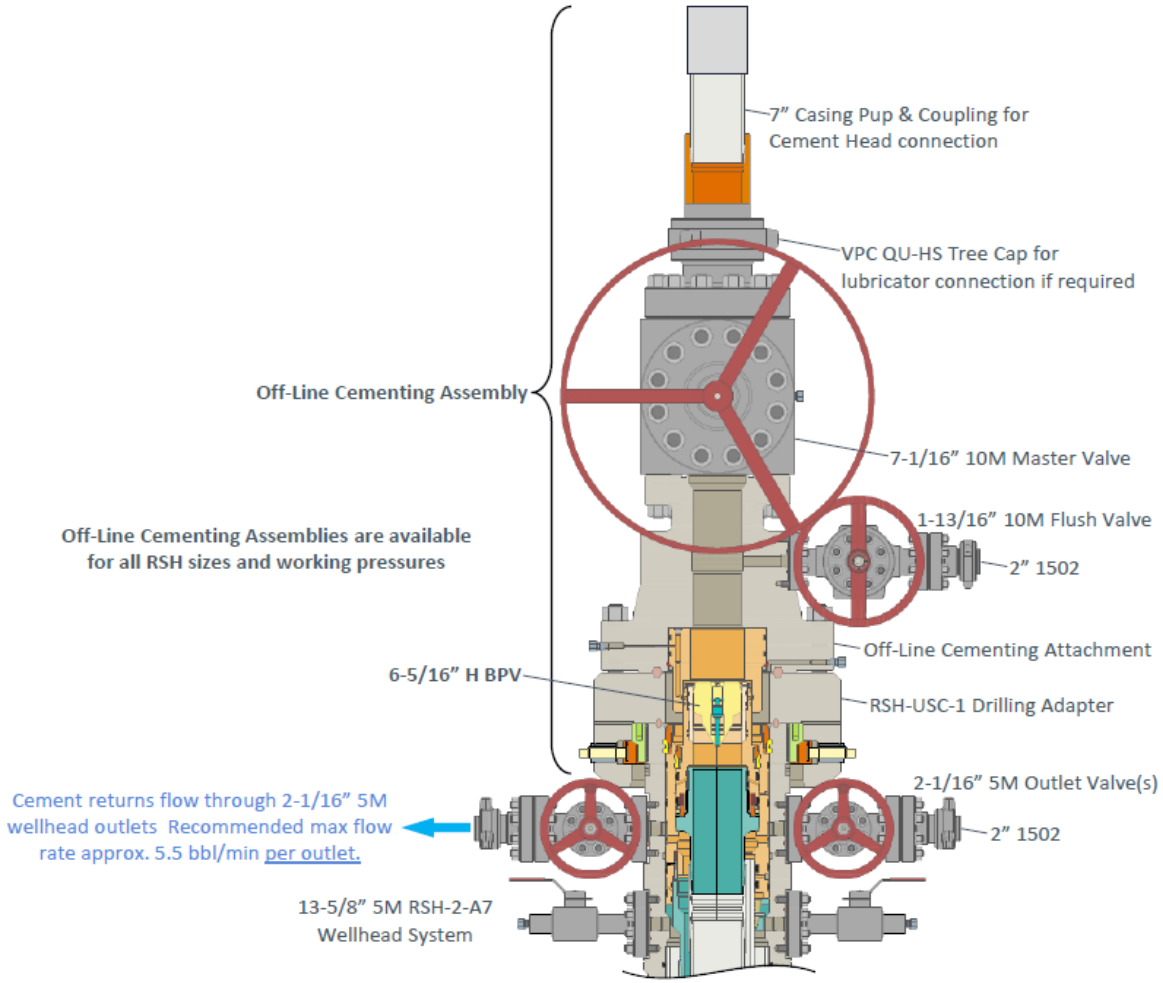

Figure 7. Vault 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

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OIL COMPANY

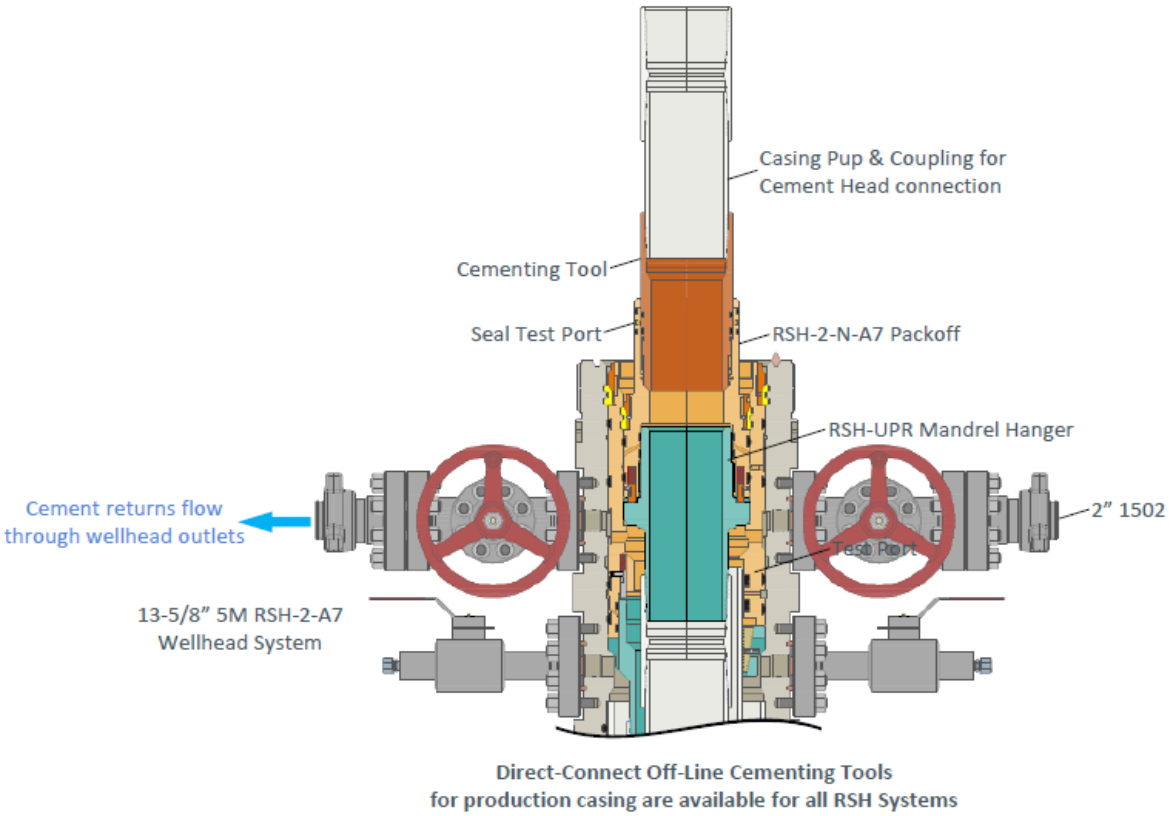

Figure 8. Vault 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

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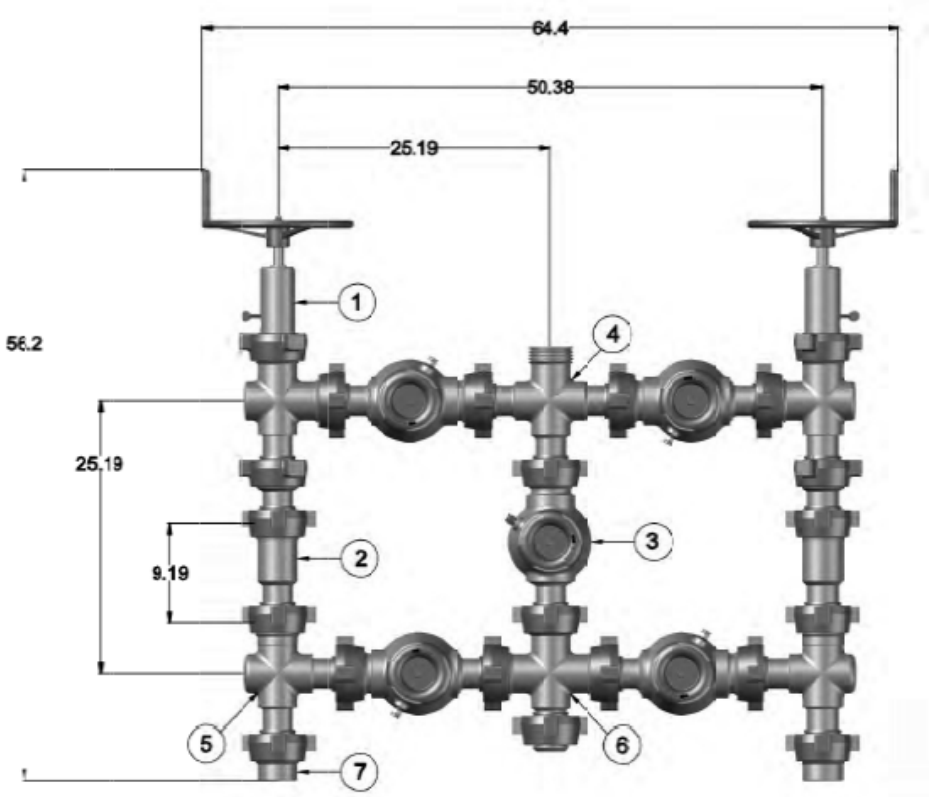


Figure 9. Five valve 15k choke manifold.

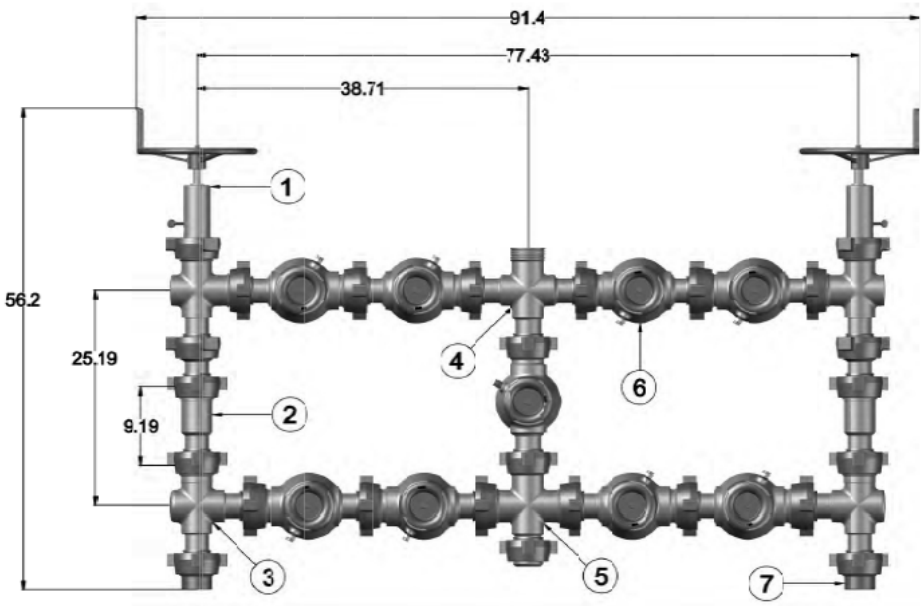


Figure 10. Nine valve 15k choke manifold.

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

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised July 18, 2013

WELL API NO.
30-005-60084

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
16496

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Double L Queen Unit

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

8. Well Number. 001Y

2. Name of Operator
State of New Mexico formerly Canyon E&P Company

9. OGRID Number
269864

3. Address of Operator
1625 N. French Drive, Hobbs, N 88240

10. Pool name or Wildcat
Double L Queen

4. Well Location
Unit Letter H : 2180 feet from the N line and 660 feet from the E line
Section 1 Township 15S Range 29E NMPM Chaves County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
GL 3853'

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☒
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

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

11/27/23: MOL. Held JSA. Prep road to location. Spot equipment and RU and service plugging equipment. Check well pressures; 0# Tubing, 0# Casing, and 0# on BH. Dig out wellhead cellar and replace plumbing for surface casing valves. ND wellhead and NU and test BOP. Secure well and SDFD.

11/28/23: Held JSA. RU 2-7/8" tbg equipment, PU on tubing, stuck. RU A Plus WL, RIH w/ weight bars. RIH w/ jet cutter and cut tbg @ packer, RD WL. Work tbg free and start TOOH and LD prod tbg, LD 10 jnts. Secure well and SDFD.

11/29/23: Held JSA. TOOH w/ 5 jnts tbg. Wait for fishermen. TIH w/ spear and latch on to tbg, TOOH stand back and LD 20 jnts. TIH w/ spear and latch onto tbg, TOOH LD 1 jnt. TIH w/ spear and latch onto tbg, TOOH LD 20 jnts. TIH w/ spear and latch onto tbg, TOOH w/ fish and packer. Secure well and SDFD.

11/30/23: Held JSA. RU A Plus WL, RIH w/ JBGR, hung up @ 1460', RD WL. TIH to clean out well. TOOH and stand back tbg. RU A Plus WL, RIH w/ JBGR and tag @ 1880'. RIH and set WL CIBP @ 1880', RD WL. RU pump to tbg and load well. RU JSI WL, RIH and log well from 1870' to 600', RD WL. TIH. Secure well and SDFD.

12/1/23: Held JSA. RU pump to tbg and circulate.
Plug #1. Spot 25 sxs Class G cmt from 1875' to 1775'. TOOH w/ tbg and WOC for 4 hrs. TIH and tag Plug #1 @ 1630'. Spoke w/ Donad Christie w/ NMOCD, approved to plump balanced plug from 1534' to 1283'. PUH LD 11 jnts, RU pump to tbg and circulate.
Plug #2. Spot 25 sxs Class G cmt from 1534' to 1434'. TOOH and WOC overnight. Secure well and SDFD.

12/4/23: Held JSA. Tag Plug #2 1283'. RU A Plus WL. RIH and perf @ 1232', RD WL. RU pump to tbg and circulate.
Plug #3. Spot 25 113 sxs Class G cmt from 1232' to 888'. TOOH and WOC for 3 hrs. Tag @ 860'. RU A Plus WL, RIH and perf @ 451', RD WL. RU Pump to tbg and circulate.
Plug #4. Spot 130 sxs Class G cmt from 451' to surface. Secure well and SDFD.

12/5/23: Held JSA. RD rig floor, ND BOP. Top off w/ 5 sxs Class G cmt. RD rig and plugging equipment. MOL. SDFN.

12/7/23. Travel to location. Dig out, cut off and remove wellhead. TOC @ surface in annulus. Weld on and install P&A marker @ 33*02'46.9"N -103*58'30.7"W. MOL.

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

SIGNATURE Nell Lunsford TITLE P&A Engineer DATE 12/14/23

Type or print name Nell Lunsford E-mail address: nelle.aplusm@...com PHONE: 505 486 6958

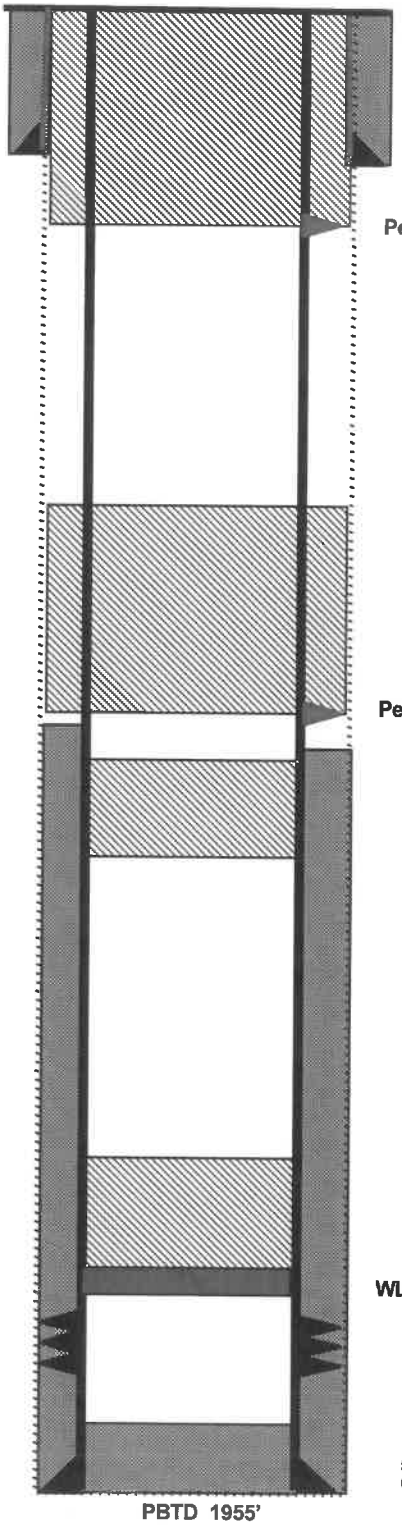
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Double L Queen Unit 001Y
As Plugged on 12/7/2023.
33*02'46.9"N / -103*58'30.7" W

Double L Queen
Unit H, 2180' FNL & 660' FEL, Section 1, T15S, R29E
Chaves County, NM, API #30-005-60084



Plug #4: 451' – Surface
Class G cement, 130 sxs
Topped off w/ 5 sxs
TOC @ surface in annulus @ cut off

Plug #3: 1232' – 888'
Class G cement, 113 sxs
Tagged @ 860'.

Plug #2: 1534' – 1434'
Class G cement, 25 sxs inside
Procedure change approved D. Christi
Tagged @ 1283'.

Plug #1: 1875' – 1775'
Class G cement, 25 sxs
Tagged @ 1630'