

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM108970
2. Name of Operator YATES PETROLEUM CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: NAOMI G SAIZ E-Mail: NSAIZ@YATESPETROLEUM.COM		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 105 SOUTH FOURTH STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-4211	8. Well Name and No. FEARLESS BSF FEDERAL COM 2H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 26 T25S R32E NENE 0200FNL 0440FEL 32.062951 N Lat, 103.381851 W Lon		9. API Well No. 30-025-42110-00-X1
		10. Field and Pool, or Exploratory WC-025 G08 S253235G
		11. County or Parish, and State LEA COUNTY, NM

APR 27 2015

RECEIVED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

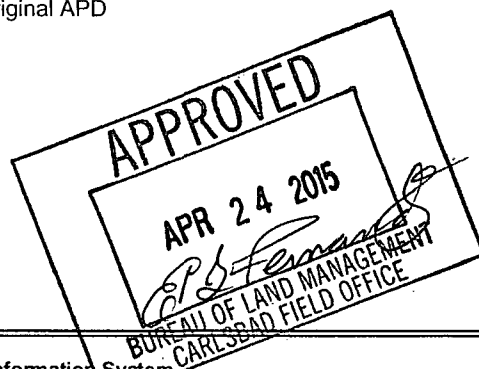
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Yates Petroleum Corporation respectfully request to change our drilling plan from the original APD as per the attached paperwork.

Thank you.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL



14. I hereby certify that the foregoing is true and correct. Electronic Submission #299045 verified by the BLM Well Information System For YATES PETROLEUM CORPORATION, sent to the Hobbs Committed to AFMSS for processing by ED FERNANDEZ on 04/24/2015 (15EF0037SE)	
Name (Printed/Typed) NAOMI G SAIZ	Title WELL PLANNING TECH
Signature (Electronic Submission)	Date 04/22/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ	Title PETROLEUM ENGINEER	Date 04/24/2015
Conditions of approval, if any, are attached. Approval of this notice 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.		Office Hobbs

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.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

APR 28 2015

dm

Fearless BSF Federal Com #2H

Yates Petroleum Corporation respectfully requests to make the following changes to the approved APD:

Primary Intermediate Cement Design:

Lead w/1330sx 35/65 PozC (YLD 2 WT 12.5, 11 gal/sk)

Tail w/210sx Class C (YLD 1.34 WT 14.8, 6.23 gal/sk)

TOC=0'. Excess calculated at 100%.

The approval of a contingency intermediate cement is requested if hole conditions warrant:

DV/Packer Stage tool will be placed at approx. 3000'-3500' (cement volumes will be adjusted per tool placement)

Stage I: Lead w/390sx 35/65 PozC (YLD 2 WT 12.5, 11 gal/sk) tail w/210sx Class C (YLD 1.34 WT 14.8, 6.23 gal/sk) 100% excess TOC=3000'

Stage II: Lead w/800sx 35/65 PozC (YLD 2 WT 12.5, 11 gal/sk) tail w/210sx Class C (YLD 1.34 WT 14.8, 6.23 gal/sk) 100% excess TOC=0'

Production: TVD's will be as shown below

Well will be kicked off at approx. 10,407' and directionally drilled at 12 degrees per 100' with an 8 ¾" bit to approx. 11,157' MD (10,885' TVD). Lateral will then be drilled with an 8 ½" bit to approx. 15,430' MD (10,885' TVD). Casing weight and grade will remain the same.

Primary Production Cement:

It is requested to cement the production string in a single stage as follows:

Lead w/ 695sx LiteCrete (YLD 2.85, WT 9.5, 8.9 gal/sk)

Tail w/1260sx PVL (YLD 1.36, WT 13.5, 6.3 gal/sk)

TOC approx. 4200'. Excess calculated at 35%.

Production Cement Contingency:

The approval of the following 2 stage cement contingency is requested if hole conditions warrant:

DV/Packer stage tool will be placed at approx. 9,500'-10,000' (cement will be adjusted per tool placement)

Stage I: Lead w/1260sx PVL(YLD 1.36, WT 13.5, 6.3 gal/sk) TOC= approx. 10,000'

Stage II: Lead w/820sx 35/65 PozC (YLD 2 WT 12.5, 11 gal/sk) Tail w/205sx Class C (YLD 1.34 WT 14.8, 6.23 gal/sk)

Excess calculated at 35%. Casing weight and grade will remain the same. TOC= approx. 4,400'



Section Details

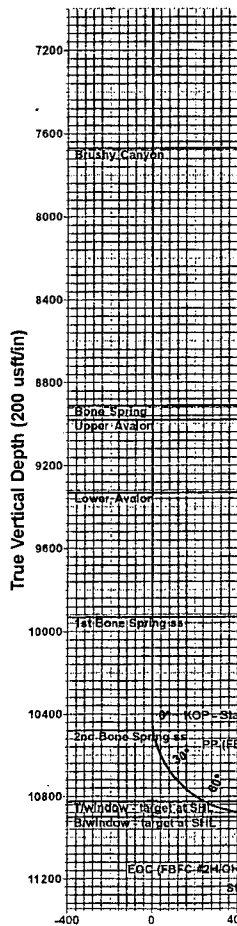
Yates Petroleum Corp.
Project: Lea County, NM (NAD83)
Site: Fearless "BSF" Federal Com
Well: #2H
Wellbore: OH
Plan: Plan #1

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	10407.5	0.00	0.00	10407.5	0.0	0.0	0.00	0.00	0.0	
3	11157.5	90.00	179.70	10885.0	-477.5	2.5	12.00	179.70	477.5	PBHL (FBFC #2H/OH)
4	15430.4	90.00	179.70	10885.0	-4750.3	24.5	0.00	0.00	4750.3	PBHL (FBFC #2H/OH)

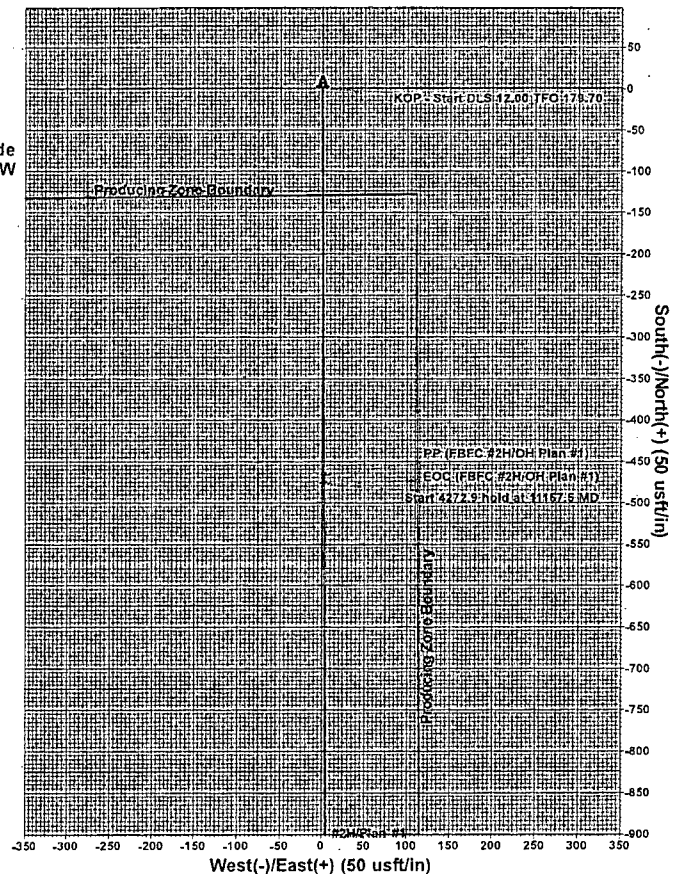
WELL DETAILS: #2H

Ground Elevation: 3413.0
RKB Elevation: KB @ 3435.0usft (Nomac 22)
Rig Name: Nomac 22

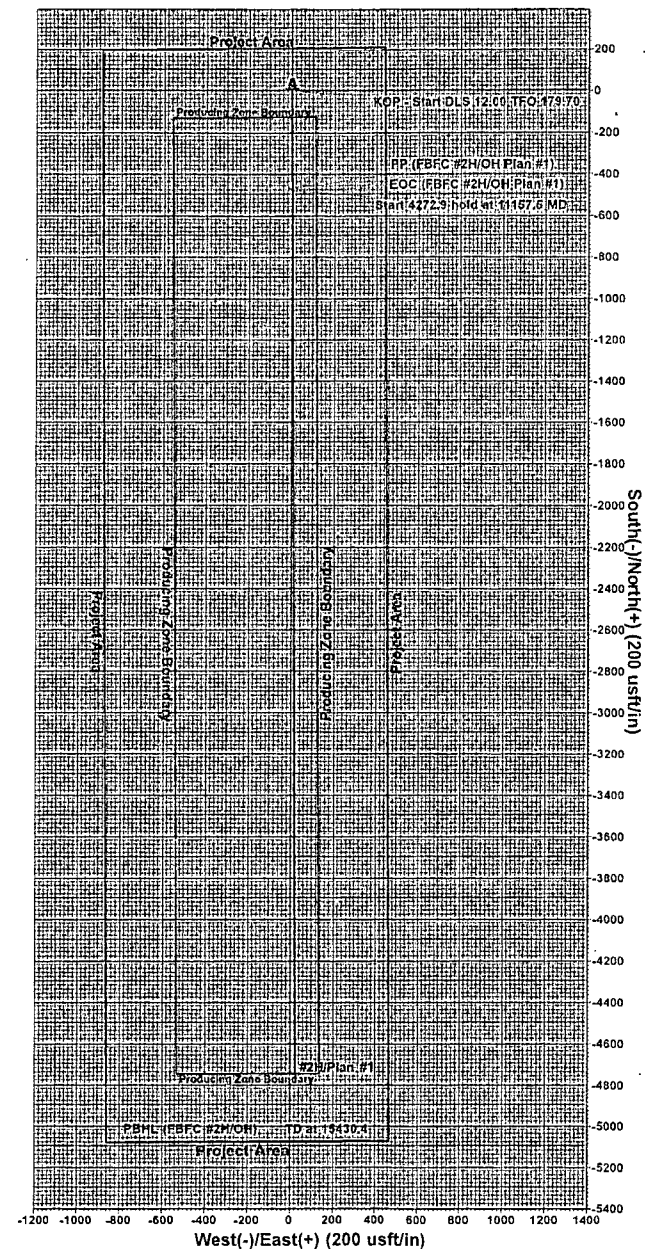
Northing 403792.75 Easting 756483.52 Latitude 32° 6' 29.517 N Longitude 103° 38' 18.519 W



Azimuths to Grid North
True North: -0.37°
Magnetic North: 6.77°
Magnetic Field
Strength: 48161.6snT
Dip Angle: 59.97°
Date: 3/26/2015
Model: IGRF2010

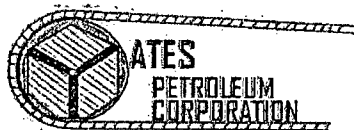


Vertical Section at 179.70° (200 usft/in)



Terra Directional Services LLC
322 Spring Hill Drive, Suite A300, Spring, Tx 77386
Phone: 432-425-7532

PROJECT DETAILS: Lea County, NM (NAD83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid



Yates Petroleum Corp.

Lea County, NM (NAD83)

Fearless "BSF" Federal Com

#2H

OH

Plan: Plan #1

Standard Planning Report

30 March, 2015





TDS
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #2H
Company:	Yates Petroleum Corp.	TVD Reference:	KB @ 3435.0usft (Nomac 22)
Project:	Lea County, NM (NAD83)	MD Reference:	KB @ 3435.0usft (Nomac 22)
Site:	Fearless "BSF" Federal Com	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project:	Lea County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	Fearless "BSF" Federal Com			
Site Position:	Map	Northing:	403,792.75 usft	Latitude: 32° 6' 29.517 N
From:		Easting:	756,483.52 usft	Longitude: 103° 38' 18.519 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.37 °

Well:	#2H			
Well Position	+N/-S	0.0 usft	Northing:	403,792.75 usft
	+E/-W	0.0 usft	Easting:	756,483.52 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,413.0 usft

Wellbore:	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/26/2015	7.14	59.97	48,162

Design:	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.70

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,407.5	0.00	0.00	10,407.5	0.0	0.0	0.00	0.00	0.00	0.00	
11,157.5	90.00	179.70	10,885.0	-477.5	2.5	12.00	12.00	23.96	179.70	
15,430.4	90.00	179.70	10,885.0	-4,750.3	24.5	0.00	0.00	0.00	0.00	PBHL (FBFC #2H/OH)



TDS
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #2H
Company:	Yates Petroleum Corp.	TVD Reference:	KB @ 3435.0usft (Nomac 22)
Project:	Lea County, NM (NAD83)	MD Reference:	KB @ 3435.0usft (Nomac 22)
Site:	Fearless "BSF" Federal Com	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
730.0	0.00	0.00	730.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,080.0	0.00	0.00	1,080.0	0.0	0.0	0.0	0.00	0.00	0.00
Salado									
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,030.0	0.00	0.00	3,030.0	0.0	0.0	0.0	0.00	0.00	0.00
Castile									
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,530.0	0.00	0.00	4,530.0	0.0	0.0	0.0	0.00	0.00	0.00
Base of Salt									



TDS
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #2H
Company:	Yates Petroleum Corp.	TVD Reference:	KB @ 3435.0usft (Nomac 22)
Project:	Lea County, NM (NAD83)	MD Reference:	KB @ 3435.0usft (Nomac 22)
Site:	Fearless "BSF" Federal Com	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,790.0	0.00	0.00	4,790.0	0.0	0.0	0.0	0.00	0.00	0.00
Delaware									
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,790.0	0.00	0.00	5,790.0	0.0	0.0	0.0	0.00	0.00	0.00
Cherry Canyon									
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,670.0	0.00	0.00	7,670.0	0.0	0.0	0.0	0.00	0.00	0.00
Brushy Canyon									
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,910.0	0.00	0.00	8,910.0	0.0	0.0	0.0	0.00	0.00	0.00
Bone Spring									
8,980.0	0.00	0.00	8,980.0	0.0	0.0	0.0	0.00	0.00	0.00



TDS Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #2H
Company:	Yates Petroleum Corp.	TVD Reference:	KB @ 3435.0usft (Nomac 22)
Project:	Lea County, NM (NAD83)	MD Reference:	KB @ 3435.0usft (Nomac 22)
Site:	Fearless "BSF" Federal Com	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
Upper Avalon										
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,330.0	0.00	0.00	9,330.0	0.0	0.0	0.0	0.00	0.00	0.00	
Lower Avalon										
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,930.0	0.00	0.00	9,930.0	0.0	0.0	0.0	0.00	0.00	0.00	
1st Bone Spring ss										
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,407.5	0.00	0.00	10,407.5	0.0	0.0	0.0	0.00	0.00	0.00	
KOP - Start DLS 12.00 TFO 179.70										
10,425.0	2.10	179.70	10,425.0	-0.3	0.0	0.3	12.00	12.00	0.00	
10,450.0	5.10	179.70	10,449.9	-1.9	0.0	1.9	12.00	12.00	0.00	
10,475.0	8.10	179.70	10,474.8	-4.8	0.0	4.8	12.00	12.00	0.00	
10,480.3	8.73	179.70	10,480.0	-5.5	0.0	5.5	12.00	12.00	0.00	
2nd Bone Spring ss										
10,500.0	11.10	179.70	10,499.4	-8.9	0.0	8.9	12.00	12.00	0.00	
10,525.0	14.10	179.70	10,523.8	-14.4	0.1	14.4	12.00	12.00	0.00	
10,550.0	17.10	179.70	10,547.9	-21.1	0.1	21.1	12.00	12.00	0.00	
10,575.0	20.10	179.70	10,571.6	-29.1	0.2	29.1	12.00	12.00	0.00	
10,600.0	23.10	179.70	10,594.8	-38.3	0.2	38.3	12.00	12.00	0.00	
10,625.0	26.10	179.70	10,617.6	-48.7	0.3	48.7	12.00	12.00	0.00	
10,650.0	29.10	179.70	10,639.7	-60.3	0.3	60.3	12.00	12.00	0.00	
10,675.0	32.10	179.70	10,661.2	-73.0	0.4	73.0	12.00	12.00	0.00	
10,700.0	35.10	179.70	10,682.0	-86.8	0.4	86.8	12.00	12.00	0.00	
10,725.0	38.10	179.70	10,702.1	-101.7	0.5	101.7	12.00	12.00	0.00	
10,750.0	41.10	179.70	10,721.4	-117.7	0.6	117.7	12.00	12.00	0.00	
10,775.0	44.10	179.70	10,739.8	-134.6	0.7	134.6	12.00	12.00	0.00	
10,800.0	47.10	179.70	10,757.3	-152.4	0.8	152.4	12.00	12.00	0.00	
10,825.0	50.10	179.70	10,773.8	-171.2	0.9	171.2	12.00	12.00	0.00	
10,850.0	53.10	179.70	10,789.3	-190.8	1.0	190.8	12.00	12.00	0.00	
10,875.0	56.10	179.70	10,803.8	-211.2	1.1	211.2	12.00	12.00	0.00	
10,900.0	59.10	179.70	10,817.2	-232.3	1.2	232.3	12.00	12.00	0.00	
10,915.6	60.98	179.70	10,825.0	-245.8	1.3	245.8	12.00	12.00	0.00	
T/window - target at SHL										
10,925.0	62.10	179.70	10,829.5	-254.0	1.3	254.0	12.00	12.00	0.00	
10,950.0	65.10	179.70	10,840.6	-276.4	1.4	276.4	12.00	12.00	0.00	
10,975.0	68.10	179.70	10,850.5	-299.4	1.5	299.4	12.00	12.00	0.00	
11,000.0	71.10	179.70	10,859.2	-322.8	1.7	322.8	12.00	12.00	0.00	
11,025.0	74.10	179.70	10,866.7	-346.7	1.8	346.7	12.00	12.00	0.00	
11,050.0	77.10	179.70	10,872.9	-370.9	1.9	370.9	12.00	12.00	0.00	
11,075.0	80.10	179.70	10,877.9	-395.4	2.0	395.4	12.00	12.00	0.00	
11,100.0	83.10	179.70	10,881.5	-420.1	2.2	420.1	12.00	12.00	0.00	



TDS
Planning Report



Database:	EDM-5000.1 Single User Db	Local Co-ordinate Reference:	Well #2H
Company:	Yates Petroleum Corp.	TVD Reference:	KB @ 3435.0usft (Nomac 22)
Project:	Lea County, NM (NAD83)	MD Reference:	KB @ 3435.0usft (Nomac 22)
Site:	Fearless "BSF" Federal Com	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
11,125.0	88.10	179.70	10,883.9	-445.0	2.3	445.0	12.00	12.00	0.00	
11,150.0	89.10	179.70	10,884.9	-470.0	2.4	470.0	12.00	12.00	0.00	
11,157.5	90.00	179.70	10,885.0	-477.5	2.5	477.5	12.00	12.00	0.00	
EOC - Start 4272.9 hold at 11157.5 MD										
11,200.0	90.00	179.70	10,885.0	-520.0	2.7	520.0	0.00	0.00	0.00	
11,300.0	90.00	179.70	10,885.0	-620.0	3.2	620.0	0.00	0.00	0.00	
11,400.0	90.00	179.70	10,885.0	-720.0	3.7	720.0	0.00	0.00	0.00	
11,500.0	90.00	179.70	10,885.0	-820.0	4.2	820.0	0.00	0.00	0.00	
11,600.0	90.00	179.70	10,885.0	-920.0	4.8	920.0	0.00	0.00	0.00	
11,700.0	90.00	179.70	10,885.0	-1,020.0	5.3	1,020.0	0.00	0.00	0.00	
11,800.0	90.00	179.70	10,885.0	-1,119.9	5.8	1,120.0	0.00	0.00	0.00	
11,900.0	90.00	179.70	10,885.0	-1,219.9	6.3	1,220.0	0.00	0.00	0.00	
12,000.0	90.00	179.70	10,885.0	-1,319.9	6.8	1,320.0	0.00	0.00	0.00	
12,100.0	90.00	179.70	10,885.0	-1,419.9	7.3	1,420.0	0.00	0.00	0.00	
12,200.0	90.00	179.70	10,885.0	-1,519.9	7.9	1,520.0	0.00	0.00	0.00	
12,300.0	90.00	179.70	10,885.0	-1,619.9	8.4	1,620.0	0.00	0.00	0.00	
12,400.0	90.00	179.70	10,885.0	-1,719.9	8.9	1,720.0	0.00	0.00	0.00	
12,500.0	90.00	179.70	10,885.0	-1,819.9	9.4	1,820.0	0.00	0.00	0.00	
12,600.0	90.00	179.70	10,885.0	-1,919.9	9.9	1,920.0	0.00	0.00	0.00	
12,700.0	90.00	179.70	10,885.0	-2,019.9	10.4	2,020.0	0.00	0.00	0.00	
12,800.0	90.00	179.70	10,885.0	-2,119.9	11.0	2,120.0	0.00	0.00	0.00	
12,900.0	90.00	179.70	10,885.0	-2,219.9	11.5	2,220.0	0.00	0.00	0.00	
13,000.0	90.00	179.70	10,885.0	-2,319.9	12.0	2,320.0	0.00	0.00	0.00	
13,100.0	90.00	179.70	10,885.0	-2,419.9	12.5	2,420.0	0.00	0.00	0.00	
13,200.0	90.00	179.70	10,885.0	-2,519.9	13.0	2,520.0	0.00	0.00	0.00	
13,300.0	90.00	179.70	10,885.0	-2,619.9	13.5	2,620.0	0.00	0.00	0.00	
13,400.0	90.00	179.70	10,885.0	-2,719.9	14.1	2,720.0	0.00	0.00	0.00	
13,500.0	90.00	179.70	10,885.0	-2,819.9	14.6	2,820.0	0.00	0.00	0.00	
13,600.0	90.00	179.70	10,885.0	-2,919.9	15.1	2,920.0	0.00	0.00	0.00	
13,700.0	90.00	179.70	10,885.0	-3,019.9	15.6	3,020.0	0.00	0.00	0.00	
13,800.0	90.00	179.70	10,885.0	-3,119.9	16.1	3,120.0	0.00	0.00	0.00	
13,900.0	90.00	179.70	10,885.0	-3,219.9	16.6	3,220.0	0.00	0.00	0.00	
14,000.0	90.00	179.70	10,885.0	-3,319.9	17.2	3,320.0	0.00	0.00	0.00	
14,100.0	90.00	179.70	10,885.0	-3,419.9	17.7	3,420.0	0.00	0.00	0.00	
14,200.0	90.00	179.70	10,885.0	-3,519.9	18.2	3,520.0	0.00	0.00	0.00	
14,300.0	90.00	179.70	10,885.0	-3,619.9	18.7	3,620.0	0.00	0.00	0.00	
14,400.0	90.00	179.70	10,885.0	-3,719.9	19.2	3,720.0	0.00	0.00	0.00	
14,500.0	90.00	179.70	10,885.0	-3,819.9	19.7	3,820.0	0.00	0.00	0.00	
14,600.0	90.00	179.70	10,885.0	-3,919.9	20.3	3,920.0	0.00	0.00	0.00	
14,700.0	90.00	179.70	10,885.0	-4,019.9	20.8	4,020.0	0.00	0.00	0.00	
14,800.0	90.00	179.70	10,885.0	-4,119.9	21.3	4,120.0	0.00	0.00	0.00	
14,900.0	90.00	179.70	10,885.0	-4,219.9	21.8	4,220.0	0.00	0.00	0.00	
15,000.0	90.00	179.70	10,885.0	-4,319.9	22.3	4,320.0	0.00	0.00	0.00	
15,100.0	90.00	179.70	10,885.0	-4,419.9	22.8	4,420.0	0.00	0.00	0.00	
15,200.0	90.00	179.70	10,885.0	-4,519.9	23.3	4,520.0	0.00	0.00	0.00	
15,300.0	90.00	179.70	10,885.0	-4,619.9	23.9	4,620.0	0.00	0.00	0.00	
15,400.0	90.00	179.70	10,885.0	-4,719.9	24.4	4,720.0	0.00	0.00	0.00	
15,430.4	90.00	179.70	10,885.0	-4,750.3	24.5	4,750.3	0.00	0.00	0.00	
TD at 15430.4										



TDS Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #2H
Company:	Yates Petroleum Corp.	TVD Reference:	KB @ 3435.0usft (Nomac 22)
Project:	Lea County, NM (NAD83)	MD Reference:	KB @ 3435.0usft (Nomac 22)
Site:	Fearless "BSF" Federal Com	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Design Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	
	Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	
Target Top (FBFC #2H/C		0.00	179.70	10,825.0	0.0	0.0	403,792.75	756,483.52	32° 6' 29.517 N 103° 38' 18.519 W
- plan misses target center by 156.8usft at 10750.0usft MD (10721.4 TVD, -117.7 N, 0.6 E)									
- Rectangle (sides W0.0 H4,750.3 D0.0)									
PP (FBFC #2H/OH Plan		0.00	0.00	10,884.8	-457.0	2.4	403,325.79	756,485.93	32° 6' 24.896 N 103° 38' 18.526 W
- plan hits target center									
- Point									
EOC (FBFC #2H/OH Pl		0.00	0.00	10,885.0	-477.5	2.5	403,315.29	756,485.98	32° 6' 24.793 N 103° 38' 18.526 W
- plan hits target center									
- Point									
PBHL (FBFC #2H/OH)		0.00	0.00	10,885.0	-4,750.3	24.5	399,042.48	756,508.06	32° 5' 42.509 N 103° 38' 18.589 W
- plan hits target center									
- Point									
Target Bottom (FBFC #2		0.00	179.70	10,900.0	0.0	0.0	403,792.75	756,483.52	32° 6' 29.517 N 103° 38' 18.519 W
- plan misses target center by 208.5usft at 10790.9usft MD (10751.0 TVD, -145.9 N, 0.8 E)									
- Rectangle (sides W0.0 H4,750.3 D0.0)									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
730.0	730.0	Rustler		0.00		
1,080.0	1,080.0	Salado		0.00		
3,030.0	3,030.0	Castile		0.00		
4,530.0	4,530.0	Base of Salt		0.00		
4,790.0	4,790.0	Delaware		0.00		
5,790.0	5,790.0	Cherry Canyon		0.00		
7,670.0	7,670.0	Brushy Canyon		0.00		
8,910.0	8,910.0	Bone Spring		0.00		
8,980.0	8,980.0	Upper Avalon		0.00		
9,330.0	9,330.0	Lower Avalon		0.00		
9,930.0	9,930.0	1st Bone Spring ss		0.00		
10,480.3	10,480.0	2nd Bone Spring ss		0.00		
10,915.6	10,825.0	T/window - target at SHL		0.00		

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
10,407.5	10,407.5	0.0	0.0	KOP - Start DLS 12.00 TFO 179.70
11,157.5	10,885.0	-477.5	2.5	EOC - Start 4272.9 hold at 11157.5 MD
15,430.4	10,885.0	-4,750.3	24.5	TD at 15430.4

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Yates Petroleum Corporation
LEASE NO.:	NMNM-110836
WELL NAME & NO.:	Fearless BSF Federal Com 2H
SURFACE HOLE FOOTAGE:	0200' FNL & 0440' FEL
BOTTOM HOLE FOOTAGE	0330' FSL & 0440' FEL
LOCATION:	Section 26, T. 25 S., R 32 E., NMPM
COUNTY:	Lea County, New Mexico

I. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ **Lea County**

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 393-3612

1. A Hydrogen Sulfide (H₂S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. **As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.**
2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. **If the drilling rig is removed without approval – an Incident of Non-Compliance will be written and will be a “Major” violation.**
3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works is located, this does not include the dog house or stairway area.
4. **The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If**

available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) for Potash Areas:

After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log.

Wait on cement (WOC) for Water Basin:

After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Possibility of water flows in the Salado, Castile, and Delaware.

Possibility of lost circulation in the Rustler, Delaware, and Bone Spring.

1. The 13-3/8 inch surface casing shall be set at approximately 865 feet (in a competent bed below the Magenta Dolomite, which is a Member of the Rustler, and if salt is encountered, set casing at least 25 feet above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run

to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing, which shall be set at approximately 4700 feet, is:

Primary Cement proposed

- ☒ Cement to surface. If cement does not circulate see B.1.a, c-d above.

Operator has proposed a contingency (per hole conditions) DV/ECP tool at depth of 3000 to 3500'. DV/ECP tool shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator is to submit sundry if DV tool depth varies by more than 100' from approved depth.

- a. First stage to DV tool:

- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

- b. Second stage above DV tool:

- ☒ Cement to surface. If cement does not circulate see B.1.a, c-d above.

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

Centralizers required on horizontal leg, must be type for horizontal service and a minimum of one every other joint.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

Primary Cement proposed

- ☒ Cement should tie-back at least **300 feet** into previous casing string. Operator shall provide method of verification.

Operator has proposed contingency (per hole conditions) DV/ECP tool at depth of 9500' – 10,000'. DV/ECP tool shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator is to submit sundry if DV tool depth varies by more than 100' from approved depth.

- a. First stage to DV tool:

- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve approved top of cement on the next stage.

- b. Second stage above DV tool:

- ☒ Cement should tie-back at least **300 feet** into previous casing string. Operator shall provide method of verification.

4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.
 - a. **For surface casing only:** If the BOP/BOPE is to be tested against casing, the wait on cement (WOC) time for that casing is to be met (see WOC statement at start of casing section). Independent service company required.

3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 9-5/8 intermediate casing shoe shall be **5000 (5M) psi. 5M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.**
4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (18 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
 - c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock.
 - d. The results of the test shall be reported to the appropriate BLM office.
 - e. All tests are required to be recorded on a calibrated test chart. **A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.**
 - f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

D. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

E. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

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