in accordance with any State requ Letter 'P', Section 8, T-225 EL of Unit Letter 'P', Section of post office*	S. R-33E T A		Gection 8, T-22S, R-3 Section 17, T-22S, R-3	•
]	Section 17, T-22S, R-	-33E
If of post office.			12. County or Parish Lea	13. State NM
16. No. c 320	of acres in lease	17. Spacing 160	g Unit dedicated to this well	1
		rt*	23. Estimated duration 45 days	
24. A1	ttachments	<u> </u>		
uirements of Onshore Oil and C	Gas Order No.1, must be a	ttached to thi	s form:	
	Item 20 above).	•	is unless covered by an exi	isting bond on file (see
nal Forest System Lands, the Service Office).			ormation and/or plans as ma	ay be required by the
			Da O!	nte 09/23/2014
Doneii ^{Nai}	me (Printed/Typed)		Da	*MAR 2 4 2016
Off				
	320 19. Prop 16,864 etc.) 22. Aprin 05/01/2 24. A uirements of Onshore Oil and O nal Forest System Lands, the Service Office).	19. Proposed Depth 16,864' MD / 11,825' TVD etc.) 22 Approximate date work will sta 05/01/2015 24. Attachments uirements of Onshore Oil and Gas Order No.1, must be a nal Forest System Lands, the Service Office). Value Name (Printed/Typed) Parm Stevens	320 160 19. Proposed Depth 20. BLM/E 16,864' MD / 11,825' TVD NM2572 etc.) 22. Approximate date work will start* 05/01/2015 24. Attachments uirements of Onshore Oil and Gas Order No.1, must be attached to thi nal Forest System Lands, the Service Office). 4. Bond to cover the operation Item 20 above). 5. Operator certification 6. Such other site specific info BLM. Name (Printed/Typed) Pam Stevens	320 160 19. Proposed Depth 20. BLM/BIA Bond No. on file 16,864' MD / 11,825' TVD NM2572 etc.) 22. Approximate date work will start* 23. Estimated duration 05/01/2015 45 days 24. Attachments 45 days uirements of Onshore Oil and Gas Order No. I, must be attached to this form: 4. Bond to cover the operations unless covered by an exilter 20 above). 5. Operator certification 6. Such other site specific information and/or plans as ma BLM. Name (Printed/Typed) Da Pam Stevens 0

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HOBBS OCD

MAR 2 8 2016

1. Geologic Formations

1. Geologic Form	•	RECEIVED		
TVD of target	11825	Pilot hole depth	12150	
MD at TD:	16864	Deepest expected fresh water:	490	

Basin

Formation	Depth(TVD): from KB	Water/Mineral Bearing/// Hazards*
Quaternary Fill	Surface	Water
Rustler	970	Water
Top of Salt	1120	Salt
Lamar	4850	Barren
Delaware Group	4950	Oil/Gas
Bone Spring	8700	Oil/Gas
2 nd Bone Spring Lime	10075	Target Zone
3 rd Bone Spring Sand	11750	Target Zone
Wolfcamp	11950	

*H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program COA See

Hôle Size	The suble of the set of the set of the	Interval To	12日本は10月 11日 2015 日	Weight (lbs)	Grade	Conn.	SF Collapse	SF Bürst	SF Tension
16"	0	1075 775	13.375"	54.5	J55	STC	1.43	1.26	2.59
12.25"	0	4800 4600	9.625"	40	J55	LTĊ	1.19	1.89	2.1
8.5"	0	12150	Pilot			Tejas			
8.5"	- 4800- O	16864	5.5"	17	P110	TTRs1	1.56	1.75	1.91
	BLM Minimum Safety Factor						1.125	1	1.6 Dry
									1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing. See attached semi-premium connection Specs. (TTRS1).

Is casing new? If used, attach certification as required in Onshore Order #1 Does casing meet API specifications? If no, attach casing specification sheet. Is premium or uncommon casing planned? If yes attach casing specification sheet.	Yon Y N¥ N¥	
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	N¥	See
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y	COA
Is well located within Capitan Reef?	N	le-di
If yes, does production casing cement tie back a minimum of 50' above the Reef?		

1 **Drilling Plan**

BC Operating, Inc., Chili Parlor 17 Federal #2H

Is well within the designated 4 string boundary.	N
LEN THE TELEVISET OF A CREEK MARKET THE TREAT OF THE SECOND OF THE DECOMPLEMENT OF THE DECOMP	ing and standard the 19
Is well located in SOPA but not in R-111-P?	Y
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back	Y
500' into previous casing?	
	K. W. C. T. P. M. BUSS
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
	CARELINE FRANK
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
	新学校中学学问· 使 者》并在中
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

SEE COA

3. Cementing Program

Casing		lb/ gal	sack v	gal/ sk	Comp: Strength	Slurry Description
Surf.	500	13.7	1.66	8.7	10	Lead: Class C + 4.0% Bentonite + 1% CaCl2 + 0.5% Cello-Flake
	200	14.8	1.329	6.4	8	Tail: Class C + 0.2% FLO-1 + 1% CaCl2 + 0.1% TWR-2
Inter.	950	12.8	1.84	9.8	15	Lead: 35:65 C + 0.2% FLO-1 + 0.25% Cello-Flake + 5% Sodium Chloride + 6% Bentonite
	400	14.8	1.352	6.4	11	Tail: Class C + 0.1% MTR-150 + 0.1% TWR-2 + 0.2% FLO-1 + 1% CaCl2
Prod.	900	11.8	2.31	12. 84	24	Lead: 50:50 C + 0.3% Cello-Flake + 10% Bentonite + 5% PSE-2 + 0.3% CFR-13 + 0.2% CFL-20 + 0.65% MTR-150 + 0.15% TWR-2
	920	12.6	1.93	10. 46	10	Tail: THS 12.6 + 0.1% TWR-2 + 0.6% CFL-6 + 0.2% MTR-150 + 0.3% CFR-13

Optional DV tool depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. Optional DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

DV Tool Per Cement Program Above No

2 Drilling Plan

BC Operating, Inc., Chili Parlor 17 Federal #2H

Casing String	TOC	The second s
Surface	0'	100%
Intermediate	0'	50%
Production	4300'	30%

SEE COA

4100

Include Pilot Hole Cementing specs: Pilot hole depth 12150

KOP <u>11252</u>

SEE

COM	Plug top	Plug Bottom	% Excess	No. Sacks	Wt. lb/gal	Yld ft3/sack	Water gal/sk	Slurry Description and Cement Type
	11252	11800	10	205	16.4	1.06	4.3	Class H
11800	11930	12150	10	90	16.4	1.06	4.3	Class H

4. Pressure Control Equipment SEE COA

A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

	BOP installed and tested before drilling which hole?	建物和学生	Min. Required WP		ype Hall in		Tested to:
[nular	x	50% of working pressure
					d Ram		
	12-1/4"	13-5/8"	2M		Ram		2M
		-	—		le Ram		
				Other*			
				An	nular	X	50% testing pressure
	8-1/2"	11"	- 3M	Blind Ram		x	Per Operator, See
				Pipe Ram		x	Email
	0 112			Double Ram			
			5M	Other			SM
				*			<u> </u>
				An	nular		
				Blind Ram Pipe Ram Double Ram			
				Other			
L				*			I

3 **Drilling Plan** *Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Y	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
Y -	A variance is requested for the use of a flexible choke line from the BOP to ChokeManifold.See attached for specs and hydrostatic test chart.YAre anchors required by manufacturer?
	 A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. Provide description here
	See attached schematic.

5. Mud Program

D From	epth To:	Type	Weight (ppg)	Viscosity 5	Water Eoss
0	Surf. shoe	FW Gel	8.6-8.8	28-34	N/C
Surf csg	Int shoe	Saturated Brine	10.0-10.2	28-34	N/C
Int shoe	TD	Cut Brine	8.5-9.3	30-36	<12

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain	PVT/Pason/Visual Monitoring
of fluid?	

BC Operating, Inc., Chili Parlor 17 Federal #2H



6. Logging and Testing Procedures

 Y
 Will run GR/CNL fromTD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.

 No Logs are planned based on well control or offset log information.

 N

 Drill stem test? If yes, explain

 N

 Coring? If yes, explain

Add	litional logs plann	ed Interval
Y	Resistivity ,	Int. shoe to KOP
Y	Density	Int. shoe to KOP
N	CBL	Production casing
Y	Mud log	Intermediate shoe to TD
	PEX	

7. Drilling Conditions

SEE COA

Condition	Specify what type and where?
BH Pressure at deepest TVD	3900 psi
Abnormal Temperature	Yes/No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

 Y
 H2S is present

 Y
 H2S Plan attached

8. Other facets of operation

Is this a walking operation? If yes, describe. Will be pre-setting casing? If yes, describe.

Attachments

- Directional Plan
- ____ Specification sheet for TTRS1 connection
- ____ Other, describe