UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD Hobbs

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

SUNDRY NOTICES AND REPORTS ON WELLS

5. Lease Serial No. NMNM114988

abandoned wel	I. Use form 3160-3 (AP	D) for such p	roposals.		6. If Indian, Allottee or	Tribe Name			
SUBMIT IN 1	TRIPLICATE - Other ins	tructions on	page 2		7. If Unit or CA/Agreen	ment, Name and/o	or No.		
Type of Well	er				8. Well Name and No. SEAWOLF 1-12 FED 84H				
Name of Operator DEVON ENERGY PRODUCT	Contact:	REBECCA D	EAL		9. API Well No. 30-025-43765				
3a. Address 333 WEST SHERIDAN AVEN OKLAHOMA CITY, OK 73102		Ph: 405-22			10. Field and Pool or E WC-025 G-09 S2		0		
4. Location of Well (Footage, Sec., T.	D	11. County or Parish, S	State						
Sec 1 T26S R33E NENW 160	FNL 2527FWL	J	UL 2 4 2017		LEA COUNTY, N	MM			
12. CHECK THE AP	PROPRIATE BOX(ES)	TO INDI	HORIVEO	NOTICE,	REPORT, OR OTH	ER DATA			
TYPE OF SUBMISSION			TYPE OF	F ACTION					
Notice of Intent ■	☐ Acidize	☐ Dee	pen	☐ Product	ion (Start/Resume)	☐ Water Shut	t-Off		
	☐ Alter Casing	☐ Hyd	raulic Fracturing	☐ Reclam	ation	☐ Well Integr	rity		
☐ Subsequent Report	☐ Casing Repair	□ Nev	Construction	□ Recomp	olete	Other Change to Or	iginal A		
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug	and Abandon		arily Abandon	PD	igiliai A		
	☐ Convert to Injection	☐ Plug	g Back	□ Water I	Disposal				
If the proposal is to deepen directional Attach the Bond under which the wor following completion of the involved testing has been completed. Final Abdetermined that the site is ready for fit Devon Energy respectfully required? Casing change from a 17.5.7. **The complete of the involved testing has been completed. Final Abdetermined that the site is ready for fit Devon Energy respectfully required? Please see attached drilling please see attached	ek will be performed or provide operations. If the operation repard on the performed of provide operation repard on the performed of the performed or provide operations. If the operation repard of the performed of the performed of the performed or provide operations. If the operation repard of the performed or provide operations in the performed or provide operations. If the operation repard of the performed or provide operations in the performed or provide operation repard on the performance of the performance of the performed or provide operations. If the operation repard of the performed or performed o	e the Bond No. or soults in a multipled only after all ges to the original property of the pro	a file with BLM/BIA le completion or recorrequirements, includ ginal APD: hole with 10.75?	A. Required submpletion in a ling reclamation of casing.	bsequent reports must be a new interval, a Form 3160	filed within 30 day 0-4 must be filed on and the operator ha	ys once		
	Electronic Submission # For DEVON ENERG	GY PRODUCTI	ON COMPAN, se	nt to the Hol	obs				
Name (Printed/Typed) REBECCA	Committed to AFMSS for A DEAL	processing by			MPLIANCE PROFES	SSI			
Signature (Electronic S	Submission)		Date 06/22/2	017					
	THIS SPACE FO	OR FEDERA	L OR STATE	OFFICE U	SE				
Approved By Teungk	u Muchlis Krueng		Title	ETROLEU	HE MENER L	Date			
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to condu	itable title to those rights in the		Office	7	PR JUB 2017 20	917			
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s				BUREARI	OF LAND MANAGEME	ENT	ted		
(Instructions on page 2) ** OPERAT	OR-SUBMITTED ** O	PERATOR-	SUBMITTED *	* OPERA1	OR-SUBMITTED	**ICE	1,		

Devon Energy Prod. Co., L.P./ Seawolf 1-12 Fed 84H

2. Casing Program

Hole Size	Casing Interval		Csg.	Weight	Grade	Conn.	SF	SF	SF
	From	То	Size	(lbs)			Collapse	Bur st	Tension
14.75"	0	1,000'	10.75"	40.5	J-55	STC	1.125	1.25	1.6
8.75"	0	11,990'	7.625"	29.7	P110	Flushmax III	1.125	1.25	1.6
6.75"	0	22,532'	5.5"	20	P110	SF/Flush	1.125	1.25	1.6

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

Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed.

A variance is requested to wave the centralizer requirement for the 7-5/8" flush casing in the 8-3/4" hole and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

. Cementing Program											
Casing	# Sks	Wt. lb/ gal	H₂0 gal/sk	Yld ft3/ sack	Slurry Description						
10-3/4" Surface	623	14.8	6.34	1.34	Tail: Class C Cement + 1% Calcium Chloride						
	368	9	13.5	3.27	Lead: Tuned Light® Cement						
7-5/8" Int		5.31	1.2	Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite							
	122	10.9	20.6	3.31	1 st Stage Lead: (50:40:10) Class C: Silicalite: Enhancer 923 + 10% BWOC Bentonite + 0.05% BWOC SA-1015 + 0.3% BWOC HR-800 + 0.2% BWOC FE-2 + 0.125 lb/sk Pol-E-Flake + 0.5 lb/sk D-Air 5000						
7-5/8" Int	445	14.5	5.31	1.2	1 st Stage Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite						
Two											
Stage	225	10.9	20.6	3.31	2 nd Stage Lead: (50:40:10) Class C: Silicalite: Enhancer 923 + 10% BWOC Bentonite + 0.05% BWOC SA-1015 + 0.3% BWOC HR-800 + 0.2% BWOC FE-2 + 0.125 lb/sk Pol-E-Flake + 0.5 lb/sk D-Air 5000						
	30	14.8	6.32	1.33	2 nd Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E- Flake						
5-1/2" Inter.	846	14.8	6.32	1.33	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake						

Devon Energy Prod. Co., L.P./ Seawolf 1-12 Fed 84H

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. 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.

Casing String	TOC	% Excess
10-3/4" Surface	0'	50%
7-5/8" Intermediate	0'	30%
7-5/8" Intermediate Two Stage Option	1 St Stage = 4900' / 2 nd Stage = 0'	30%
5-1/2" Production Casing	11,790′	25%

8. Other facets of operation

Is this a walking operation? Yes

- 1. In the event the spudder rig is unable to drill the surface holes the drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
- The drilling rig will then batch drill the intermediate sections with either OBM or cut brine and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
- 3. The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Yes

- 1. Spudder rig will move in and drill surface hole.
 - a. Rig will utilize fresh water based mud to drill 14 ¾" surface hole to TD. Solids control will be handled entirely on a closed loop basis.
- 2. After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
- 3. The wellhead will be installed and tested once the 10 ¾" surface casing is cut off and the WOC time has been reached.
- **4.** A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5. Spudder rig operations is expected to take 4-5 days per well on a multi well pad.
- **6.** The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7. Drilling operations will be performed with the drilling rig. At that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
 - a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

All previous COA still apply except the following:

The 10 3/4 inch surface casing shall be set at approximately 1000 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.

103/4	surface csg in a		14 3/4	inch hole.		Design Factors		SURFACE	
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	Weight
"A"	40.50		55	ST&C	10.37	3.58	0.59	1,000	40,500
"B"								0	0
w/8.4#/g	mud, 30min Sf	c Csg Test psig	: 1,500	Tail Cmt	does	circ to sfc.	Totals:	1,000	40,500
Comparison	of Proposed t	to Minimum	Required Co	ement Volume	S				
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Reg'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
14 3/4	0.5563	780	1045	582	80	8.50	2822	3M	1.50

95/8	casing in	side the	10 3/4	_		Design I	Factors	INTERI	MEDIATE
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	Weight
"A"	43.50	Р	110	BUTT	2.55	1.19	1.24	11,400 0	495,900 0
w/8.4#/g	mud, 30min Sfo	Csg Test psig					Totals:	11,400	495,900
The c	ement volum	e(s) are inte	ended to ach	ieve a top of	0	ft from su	rface or a	1000	overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
12 1/4	0.3132	2190	4481	3321	35	9.00	4442	5M	1.31
Class 'H' tail cn	nt yld > 1.20								

*Assumed 1/3 fluid filled for collapse calculation

_	Tail cmt									
1	5 1/2 casing inside the			9 5/8		_	Design Fa	PRODUCTION		
	Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	Weight
	"A"	20.00	P	110	BUTT	2.54	1.59	1.75	12,190	243,800
1	"B"	20.00	Р	110	BUTT	6.95	1.40	1.75	10,342	206,840
1	w/8.4#/	g mud, 30min Sfc	Csg Test psig	2,682				Totals:	22,532	450,640
t.	В	would be:				71.08	1.53	if it were a	vertical we	llbore.
1	No D	ilot Hole Plan	nad	MTD	Max VTD	Csg VD	Curve KOP	Doglego	Severityo	MEOC
1	NOF	ilot Hole Flati	neu	22532	12641	12641	12190	90	12	12940
ř.	The	cement volume	e(s) are inte	nded to ach	ieve a top of	11200	ft from s	surface or a	200	overlap.
9	Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
	Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
r cotos r.	8 3/4	0.2526	2505	3156	2868	10	11.00			1.35