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Form 3160-5 (June 2015) F	UNITED CLARE EPARTMENT OF THE I SUREAU OF LAND MAN	Isbad I	Field C or Coj	office py	OMB N	APPROVED 10. 1004-0137 anuary 31, 2018
SUNDRY Do not use th	NOTICES AND REPO	RTS ON WE	LLS		5. Lease Serial No. NMNM97120	
abandoned we	II. Use form 3160-3 (AP	D) for such pr	oposals.		6. If Indian, Allottee	or Tribe Name
	TRIPLICATE - Other ins	tructions on p	age 2		7. If Unit or CA/Agre	eement, Name and/or No.
 Type of Well Oil Well S Gas Well Ot 	her				8. Well Name and No BODACIOUS 5-3	2 FED COM 2BS 5H
2. Name of Operator CHISHOLM ENERGY OPER	Contact:	JENNIFER EL	ROD n		9. API Well No. 30-015-45836-	 D0-X1
3a. Address 801 CHERRY STREET FORT WORTH, TX 76012		(include area cod -3728 Ext: 37)	e area code) 10. Field and Pool or Exploratory Area Ext: 3728 PURPLE SAGE-WOLFCAMP (C			
4. Location of Well (Footage, Sec., 1	T., R., M., or Survey Description)	,		11. County or Parish,	State
Sec 5 T23S R26E 230FSL 18 32.326965 N Lat, 104.312920					EDDY COUNT	Y, NM
12. CHECK THE A	PPROPRIATE BOX(ES)	TO INDICAT	E NATURE (OF NOTICE, 1	REPORT, OR OTI	HER DATA
TYPE OF SUBMISSION			ТҮРЕ С	OF ACTION	, ₁₉₀ , 199, 199, 199, 199, 199, 199, 199, 19	
 Notice of Intent Subsequent Report 	Subsequent Report Alter Casing Casing Repair				on (Start/Resume) tion ete	 Water Shut-Off Well Integrity Other Change to Original A
Final Abandonment Notice	D Plug a	nd Abandon Back	Tempora Water Di	rily Abandon sposal	PD	
If the proposal is to deepen direction Attach the Bond under which the wor following completion of the involved testing has been completed. Final At determined that the site is ready for f 12/17/2019 CHANGE IN CASING DESIG	ck will be performed or provide operations. If the operation res- bandonment Notices must be file inal inspection.	the Bond No. on f sults in a multiple ed only after all rea	ile with BLM/BL	A. Required subs	sequent reports must be	filed within 30 days
FILED SUNDRY 12/12 TO RE	VISE FORMATION FRO		TO BONE SI	PRING	DEAE	
CHANGE MD/TVD FROM: 19134'MD/8822'TVD TO: 16946'MD/6421'TVD						
CHANGE SURF CSG SET DE FROM: 420' TO: 400'		EMNRD-OCD ARTESIA				
14. I hereby certify that the foregoing is	true and correct. Electronic Submission #4 For CHISHOLM ENI unitted to AFMSS for proce	ERGY OPERATI	NG LLC. sent	to the Carlsba	d	
Name (Printed/Typed) JENNIFEF	RELROD	1	Title SR RE	GULATORY A	NALYST	
Signature (Electronic S	ubmission)	I	Date 12/17/2	019		
	THIS SPACE FO	R FEDERAL	OR STATE	OFFICE US	E	
_Approved_By_DYLAN_ROSSMANC	<u> </u>				ER	Date 12/19/2019
Conditions of approval, if any, are attached certify that the applicant holds legal or equ which would entitle the applicant to condu	Approval of this notice does itable title to those rights in the	subject lease	Office Carlsba	d		
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s	U.S.C. Section 1212, make it a c	rime for any perso	on knowingly and	willfully to mak	e to any department or	agency of the United
(Instructions on page 2) ** BLM REVI	SED ** BLM REVISED	** BLM REV	ISED ** BL		** BLM REVISE) **
				- 11/12		-

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214/20 44

Additional data for EC transaction #496187 that would not fit on the form

32. Additional remarks, continued

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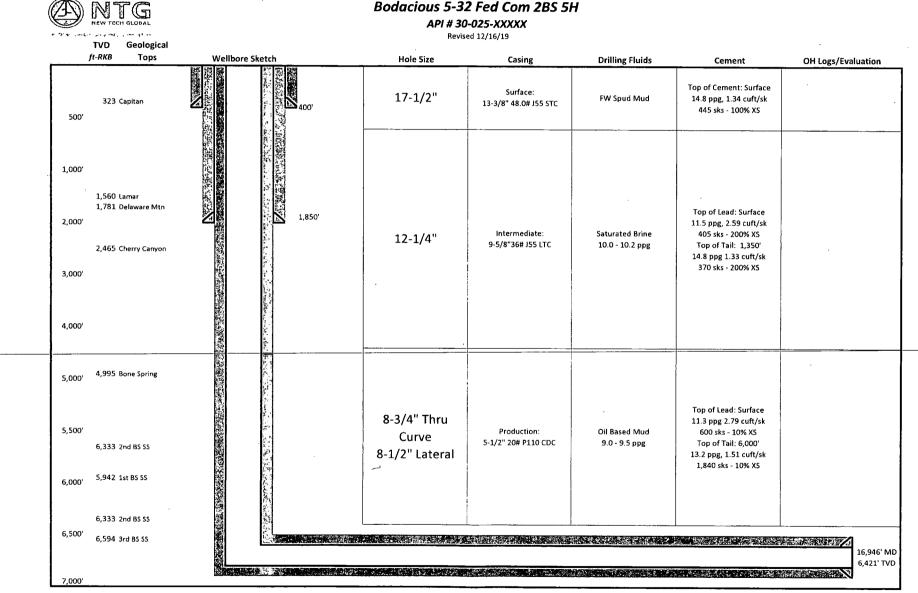
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CHANGE SURF CSG CMNT FROM: 455 SXS @ 1.24 YIELD W/85% EXCESS TO: 445 SXS @ 1.34 YIELD W/100% EXCESS

CHANGE INTERMEDIATE CSG CMNT FROM: 540 SXS LEAD @ 2.28 YIELD W/150% EXCESS & 235 SXS TAIL @ 1.33 YIELD W/150% EXCESS TO: 405 SXS LEAD @ 2.59 YIELD W/200% EXCESS & 370 SXS TAIL CMNT @ 1.33 YIELD W/200% EXCESS

CHANGE PRODUCTION CASING SET DEPTH FROM: 19134'MD TO: 16946'MD

CHANGE PRODUCTION CASING CMNT FROM: 875 SXS LEAD @ 2.28 YIELD & 2405 SXS TAIL @ 1.18 YIELD TO: 600 SXS LEAD @ 2.79 YIELD & 1840 SXS TAIL @ 1.51 YIELD



Bodacious 5-32 Fed Com 2BS 5H

Casing Program: Bodacious 5-32 Fed Com 2BS 5H

Open Hole Size (Inches)	Casing Depth; From (ft)	Casing Setting Depth (ft) MD	Casing Setting Depth (ft) TVD	Casing Size (inches)	Casing Weight (Ib/ft)	Casing Grade	Thread	Condition	Anticipated Mud Weight (ppg)	Burst (psi)	Burst SF (1.125)	Collapse (psi)	Collapse SF (1.125)	Body Tension (klbs	Joint Tension (klbs)	Air Weight (Ibs)	Bouyant Weight (Ibs)	Body Tension SF (1.8)	Joint Tension SF (1.8)
Surface																			
17.5"	0'	400'	400'	13 3/8"	48.0	J-55	STC	New	9	2370	12:66	740	3:95	744,000	433,000	19,200	16,559	44.93	26.15
Intermediate																			
12.25"	0'	1,850'	1,850'	9 5/8"	36	J-55	LTC	New	10.2	3520	3.59	2020	3.09	564,000	453,000	66,600	56,219	10:03	8:06
Production																- · · ·			And Street St
8.75"	0	16;946'	6,421'	5" %	20	P-110	BTC	New	9.5	12360	3.90	11100	3:50 -	641,000	667,000	128,420	109,777	5:84	6:081

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burface	
Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of:	9 ppg
Collapse A 1.125 design factor with full internal evacuation and collapse force equal to a mud gradient of:	9 ppg
Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of:	9 ppg
ntermediate	
Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of:	10.2 ppg
Collapse A 1.125 design factor with 1/3 TVD internal evacuation and collapse force equal to a mud gradient of:	10.2 ppg
Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of:	10.2 ppg
Production	
Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of:	9.5 ppg
Collapse A 1.125 design factor with full internal evacuation and collapse force equal to a mud gradient of:	9.5 ppg
Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of:	9.5 ppg

PECOS DISTRICT DRILLING OPERATIONS CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Chisholm Energy Operating LLC
LEASE NO.:	NMNM97120
WELL NAME & NO.:	Bodacious 5-32 Fed Com 2BS 5H
SURFACE HOLE FOOTAGE:	230' FSL & 1810' FEL
BOTTOM HOLE FOOTAGE	100' FNL & 400' FEL
	Section 5, T 23S, R 26E, NMPM
COUNTY:	Eddy County, New Mexico

H2S	• Yes	C No	
Potash		C Secretary	C R-111-P
Cave/Karst Potential	CLow		
Variance		Flex Hose	C Other
Wellhead	Conventional	Multibowl	Both Solution Solution
Special Requirements	✓ Water Disposal	COM	☐ Unit

All other previous Conditions of Approval still apply.

- A. CASING
- 1. The 13-3/8" surface casing shall be set at approximately 400' (a minimum of 25' into the Rustler Anhydrite and above the salt) and cemented to surface.
 - a. If cement does not circulate to 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 6 hours after pumping cement, ideally between 8-10 hours after.
 - b. WOC time for a primary cement job will be a minimum of <u>8 hours</u> or <u>500 psi</u> compressive strength, whichever is greater. This is to include the lead cement.
 - c. If cement falls back, remedial cementing will be done prior to drilling out the shoe.
 - d. WOC time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 psi compressive strength, whichever is greater.
- 2. The **9-5/8**" intermediate casing shall be set at approximately **1850**' and cemented to surface.
 - a. If cement does not circulate to surface, see A 1.a, c & d.
 - b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

- 3. The **5-1/2**" production casing shall be cemented with at least **200' tie-back** into the previous casing. Operator shall provide method of verification.
 - a. If cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

B. PRESSURE CONTROL

- 1. 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.
- 2. Required safety valves, with appropriate wrenches and subs for the drill string being utilized, will be in the open position and accessible on the rig floor.

C. SPECIAL REQUIREMENTS

- Submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
 - a. The well sign on location shall include the surface and bottom hole lease numbers. <u>When the Communitization Agreement number is known, it shall also</u> <u>be on the sign.</u>

DR 12/19/2019