Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
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.

5. Lease Serial No.
NMNM81599

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

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

8. Well Name and No.
CRAZY WOLF 1/2 B2CD FED COM 1H

2. Name of Operator
MEWBOURNE OIL COMPANY
Contact: JACKIE LATHAN
E-Mail: jlathan@mewbourne.com

9. API Well No.
30-025-42793

3a. Address
PO BOX 5270
HOBBS, NM 88241

3b. Phone No. (include area code)
Ph: 575-393-5905

HOBBS OCD
NOV 0 6 2015
RECEIVED

10. Field and Pool, or Exploratory
LUSK

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 1 T19S R32E Mer NMP NENW 1301FNL 2570FEL

11. County or Parish, and State
LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☒ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 recompletion 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.)

Mewbourne Oil Co. has would like to make the following change to the approved casing design:

Change 5 1/2" production casing string to 7" production casing & 4 1/2" cemented liner.

7" Production Casing:
Depth: 0' to 10075'. 7" 26# P110 LTC & UFJ. Cement as follows:
Lead - 850 sks Class H (35:65:4) w/ yield 2.18 cuft/sk @ 12.5 ppg.
Tail - 400 sks Class H w/ yield 1.19 cuft/sk @ 15.6 ppg.
TOC @ 3330'. Volume calculated w/ 25% excess.

SEE ATTACHED FOR CONDITIONS OF APPROVAL

4 1/2" Cemented Liner:
Depth: 9069' to 17257' (TD). 4 1/2" 13.5# P110 LTC. Cement w/ 330 sks Class C (60:40:0) w/ yield

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #322522 verified by the BLM Well Information System
For MEWBOURNE OIL COMPANY, sent to the Hobbs
Committed to AFMSS for processing by TEUNGKU KRUENG on 11/04/2015 ()

Name *(Printed/Typed)* ANDREW W TAYLOR — Title ENGINEER

Signature (Electronic Submission) — Date 11/04/2015

APPROVED
NOV 4 2015
Teungku Muchlis Krueng
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date _____

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 KZ

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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

NOV 2 3 2015

Additional data for EC transaction #322522 that would not fit on the form

32. Additional remarks, continued

2.97 cuft/sk @ 11.2 ppg. TOC @ 9069'. Volume calculated w/ 25% excess.

See attachment for additional information.

Mewbourne Oil Company, Crazy Wolf 1/2 B2CD Fed Com 1H
Sec 1, T19S, R32E
SL: 1301' FNL & 2570' FEL, Sec 1
BHL: 330' FNL & 330' FWL, Sec 2

2. Casing Program

Hole Size	Casing Interval From	Casing Interval To	Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17.5"	0'	1533'	13.375"	54.5	J55	STC	1.42	3.42	6.15
12.25"	0'	166'	9.625"	40	J55	LTC	2.97	4.57	4.02
12.25"	166'	3155'	9.625"	36	J55	LTC	1.23	2.14	3.69
12.25"	3155'	3530'	9.625"	40	N80	LTC	1.68	3.13	4.91
8.75"	0'	9212'	7"	26	P110	LTC	1.63	2.08	2.65
8.75"	9212'	10075'	7"	26	P110	UFJ	1.24	1.98	36.99
6.125"	9069'	17257'	4.5"	13.5	P110	BTC	2.13	2.47	3.05
			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

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
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?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	1100	13.5	1.73	11	10	Lead: Class C+4.0% Gel+1% CaCl2+0.4#/sk Defoamer+0.125#/sk CelloFlake
	200	14.8	1.33	6.3	5	Tail: Class C + 1% CaCl2
Inter.	850	12.5	2.19	11	10	Lead: Class C (35:65:4)+0.4#/sk Defoamer+5% Salt+0.125#/sk CelloFlake+3 #/sk Kolseal+0.1% Fluid Loss+1% Extender+5% Enhancer
	200	14.8	1.32	6.3	5	Tail: Class C + 0.2% Retarder
Prod.	850	12.5	2.18	18	16	Lead: Class H (35:65:4)+5% Salt+5% Enhancer+0.5% Extender+0.1% Fluid Loss+0.2% Retarder+0.125#/sk CelloFlake+3#/sk Kolseal+0.4#/sk Defoamer
	400	15.6	1.19	5.2	10	Tail: Class H+0.3% Retarder+0.3% Fluid Loss+0.4#/sk Defoamer
Liner	330	11.2	2.97	18	16	Class C (60:40:0)+4% MPA5+1.2% BA10A+10#/sk BA90+5%A10+0.65%ASA301+1.5%SMS+1.2%R21

DV tool 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
Surface	0'	100%
Intermediate	0'	25%
Production	3330'	25%
Liner	9069'	25%

Crazy Wolf ½ B2CD Fed Com 1H
30-025-42793

Conditions of Approval

1. The minimum required fill of cement behind the 7 inch production casing is:

   ☒ Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.

2. The minimum required fill of cement behind the **4-1/2** inch production liner is:

   ☒ Cement to top of liner. Operator shall provide method of verification. **Additional cement may be required as the excess calculates to -19%**

TMAK 11/4/15