

Form 3160-5
(September 2001)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004**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

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Mawbourne Oil Company 14744

3a. Address

PO Box 5270 Hobbs, NM 88240

3b. Phone No. (include area code)

575-393-5905

4. Location of Well (Footage, Sec., T. R., M., or Survey Description)

990' FSL & 990' FEL, Sec 14-T20S-R34E Unit P

5. Lease Serial No.

NMNM-123523

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Marathon Road Fed #1

9. API Well No.

30-025-39546

10. Field and Pool, or Exploratory Area

Lea; Penn Gas

11. County or Parish, State

Lea County, NM

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 checked="" 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 type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

3. 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.)

Mawbourne received approved APD for the above captioned well. Due to availability of casing, we would like to change the surface casing to 1600' of 13 3/8" 61# J55 BT&C. This string will be stronger than the one originally applied for.

If you have any questions, please call Frosty Lathan @ 575-393-5905.

RECEIVED

NOV 05 2009

HOBBSOCD

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jackie Lathan

Title Hobbs Regulatory

PETROLEUM ENGINEER

NOV 06 2009

Signature

Date 10/30/09

Approved by (Signature)

Rory D. Hall

Name
(Printed/Typed)

APPROVED

Office

Petroleum Engineer

NOV 1 2009

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.

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.

(Continued on next page)

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Summary of Engineer's Wellbore Evaluation

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13 3/8 inches O.D. of Surface Casing				Design Factors					
Segment	Grade	#/ft	Coupling	Joint	Collapse	Burst	Length	Weight	
"A"	J 55	61.00	Buttress	10.50	1.97	1.08	1600	97,600	
"B"							0	0	
Totals:							1,600	97,600	
Compare Cement Volumes, Proposed to Minimum									
Hole Size	Annular Volume	Proposed Sx Cmt	CuFt Cmt Proposed	Min Cu Ft	Excess % Cmt	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
17 1/2	0.6946	1250	2211	1162	90	9.40	1673	2M	1.56
Comments for 13 3/8 " Csg									

9 5/8 << Casing inside the 13 3/8			Design Factors						
Segment	Grade	#/ft	Coupling	Joint	Collapse	Burst	Length	Weight	
"A"	N 80	40.00	LT&C	3.41	58.32	0.82	100	4,000	
"B"	K 55	40.00	LT&C	2.65	1.15	0.56	4,100	164,000	
"C"	HCK 55	40.00	LT&C	14.46	1.48	0.56	1,200	48,000	
"D"							0	0	
Totals:							5,400	216,000	
Compare Cement Vol(s), Proposed to Min, with 1600 ft overlap above 1st csg shoe.									
Hole Size	Annular Volume	Proposed Sx Cmt	CuFt Cmt Proposed	Min Cu Ft	Excess % Cmt	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
12 1/4	0.3132	1850	3378	1767	91	10.20	4043	5M	0.81
Comments for 9 5/8 " Csg Fracture Gradient > 0.72 for A, B & C segments - Safety factor okay for burst.									

5 1/2 inside the 9 5/8			Design Factors						
Segment	Grade	#/ft	Coupling	Joint	Collapse	Burst	Length	Weight	
"A"	HCP 110	17.00	LT&C	1.94	7.51	1.52	2,200	37,400	
"B"	N 80	17.00	LT&C	1.81	1.26	1.10	7,400	125,800	
"C"	HCP 110	17.00	LT&C	6.71	1.22	1.52	3,900	66,300	
"D"							0	0	
Totals:							13,500	229,500	
<u>Compare Cement Vol(s), Proposed to Min, with 5400 ft overlap above 2nd csg shoe.</u>									
Hole Size	Annular Volume	Proposed Sx Cmt	CuFt Cmt Proposed	Min Cu Ft	Excess % Cmt	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
8 3/4	0.2526	700	1180	3460	-66	10.00			1.35
Comments for 5 1/2 " Csg		Operator called for cement top of approximately 10,600 ft (may need additional cement). Will require more cement & stage tools to reach cement top of approximately 4000 ft (100 above the Capitan Reef).							