

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**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.*FORM APPROVAL
OMB No. 1004-0135
Expires January 31, 2004

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 14 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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Mewbourne 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' TEL. Sec 14-T20S-R34E Unit P...

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

TYPE OF SUBMISSION

TYPE OF ACTION

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

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 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.)

MOC would like to change the cementing program for the 9 5/8" intermediate casing string as follows:

ADV tool will be installed @ 3500'. 1st stage cmt w/400sks Lite Class C (70 C: 30 Poz) yd @ 1.78 cuft/sk. Followed w/400 sks Class C cmt yd @ 1.32 cuft/sk. 2nd Stage cmt w/900 sks Lite Class C yd @ 1.77 cuft/sk. followed w/100 sks Class C cmt yd @ 1.32 cuft/sk. 2nd stage cmt volume may be adjusted after running fluid caliper. Cmt tests w/compressive strength will be available, if needed.

If you have any questions, please call Frosty Lathan @ 575-393-5905 or 575-390-4103

RECEIVED

DEC 11 2009

HOBBSCO

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jackie Lathan

Title Hobbs Regulatory

Signature

Date 12/07/09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature)

PETROLEUM ENGINEER
(Printed/Typed)

Office

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)

APPROVEDDEC 8 2009
Petrolium EngineerBUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

DEC 15 2009

**PECOS DISTRICT
CEMENTING CASING CHANGE SUNDRY
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	Mewbourne Oil Company
LEASE NO.:	NMNM 123523
WELL NAME & NO.:	Marathon Road 14 Federal # 1
SURFACE HOLE FOOTAGE:	990' FSL & 990' FEL
BOTTOM HOLE FOOTAGE	Same
LOCATION:	Section 14, T. 20 S., R 34 E., NMPM
COUNTY:	Lea County, New Mexico

1. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

a. First stage to DV tool, cement shall:

☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job.

b. Second stage above DV tool, cement shall:

☒ Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to the Capitan Reef.**

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM 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-Cptg
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	
<u>Compare Cement Vol(s), Proposed to Min, with 1600 ft overlap above 1st csg shoe.</u>									
Hole Size	Annular Volume	Proposed Sx Cmt	CuFt Cmt Proposed	Min Cu Ft	Excess DVT Cmt	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
12 1/4	0.3132	1800	2965	1767	O K	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) .							