

District I  
1625 N. French Dr., Hobbs, NM  
88240

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

Form C-104A  
Permit 998

Change of Operator

Previous Operator Information

OGRID: 192463  
Name: OXY USA WTP LIMITED PARTNERSHIP  
Address: PO Box 4294 Santa Fe  
Address:  
City, State, Zip: Houston, TX 77210-4294  
Midland, TX 79710-0250

New Operator Information

Effective Date: 02/01/2001  
OGRID: 13837  
Name: MACK ENERGY CORP  
Address: PO Box 960  
Address:  
City, State, Zip: Artesia, NM 88211-0960

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the certified list of wells is true to the best of my knowledge and belief.

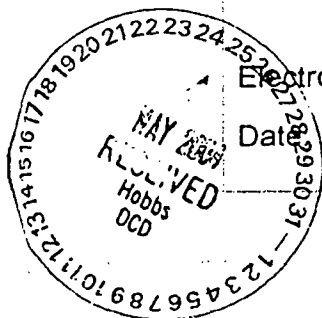
Previous Operator

Signature: [Signature]  
Printed Name: David Stewart  
Title: Sr. Regulatory Analyst  
Date: 5/21/04 Phone: 432-685-5717

New Operator

Signature: [Signature]  
Printed Name: Crissa D. Carter  
Title: Production Analyst  
Date: 5/24/04 Phone: (505) 748-1288

NMOCD Approval



Electronic Signature: Chris Williams, District I  
Date: May 26, 2004

Oil Conservation Commission  
Case No. 4  
Exhibit No. 4

SCANNED

RECEIVED

MAY 24 2004

District II  
811 S. 1st Street Artesia, NM 88210-1404  
District III  
1000 Rio Brazos Rd, Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		OGRID Number
		013837
		API Number
		30-025-25286
Property Code 300240	Property Name Cockburn A State	Well No. 5

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	32	17S	33E		1980	North	1980	West	Lea

Proposed Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1					Proposed Pool 2				
Corbin Abo									

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
E P	O	R	S	4036
Multiple	Proposed Depth	Formation	Contractor	Spud Date
No	9500	Abo		5/10/2004

Proposed Casing and Cement Program

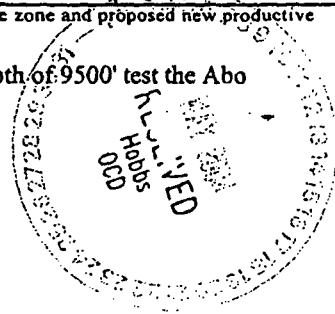
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8		456	475	Surface
12 1/4	9 5/8		5270	1800	100'

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Mack Energy Corporation proposes to Re-enter the Cockburn A State #5 to a depth of 9500' test the Abo formation, attempt to produce. Put well on production.

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

Plugback



I hereby certify that the information given above is true and complete to the best of my knowledge and belief		OIL CONSERVATION DIVISION	
Signature <i>Jerry W. Sherrell</i>		Approval by: <i>[Signature]</i>	
Printed name: Jerry W. Sherrell		Title: PETROLEUM ENGINEER	
Title: Production Clerk		Approval Date: JUN 08 2004	
Date: 5/7/2004	Phone: (505)748-1288	Conditions of Approval: Attached <input type="checkbox"/>	

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122  
Supersedes C-121  
Effective 1-1-83

All distances must be from the water boundaries of the Section

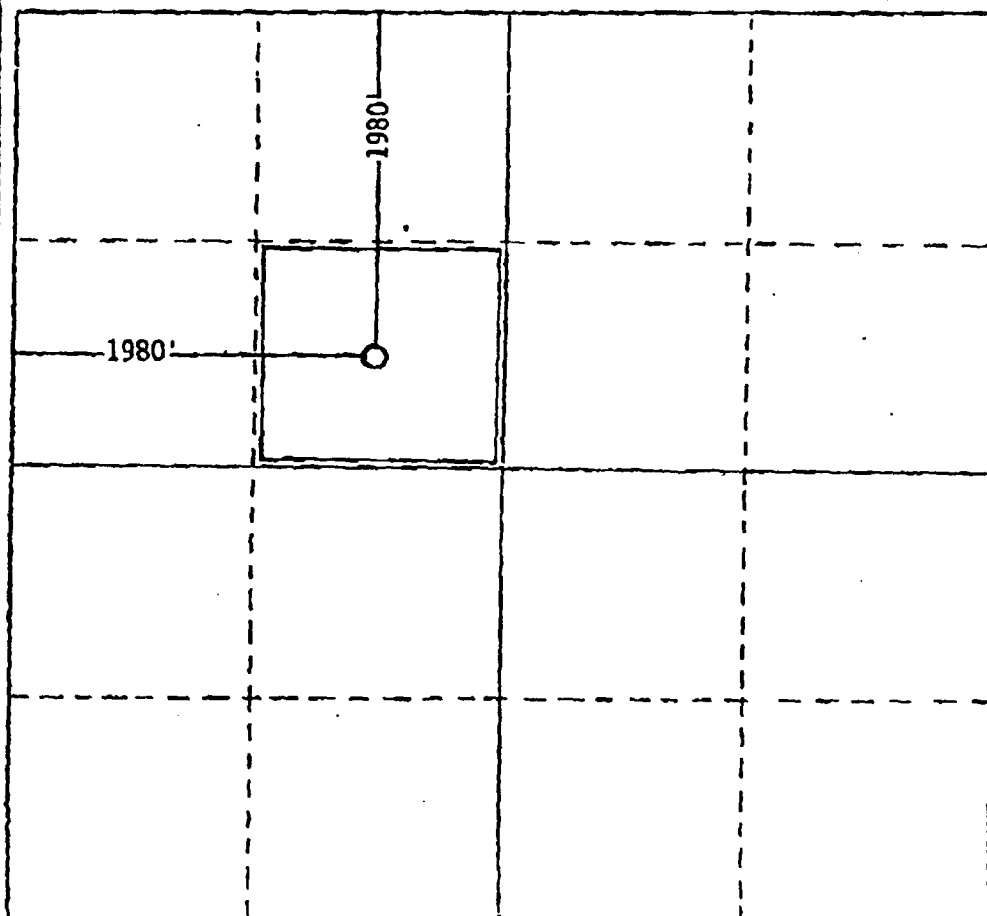
Operator <b>Mack Energy Corporation</b>		Lease <b>Cockburn A-State</b>		Well No. <b>5</b>
Unit <b>F</b>	Section <b>32</b>	Township <b>17S</b>	Range <b>33E</b>	County <b>Lea</b>
Actual Section Location of Well:				
1980 feet from the North line and		1980 feet from the West line		
Ground Level Elev. <b>4036'</b>	Inducing Formation <b>Abo</b>	Pool <b>Corbin Abo</b>	Estimated Time to Drill <b>40</b>	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name *George E. Timmerman*  
Position  
**Lead Petroleum Engineer**  
Company  
**OXY USA Inc.**  
Date  
**May 23, 1988**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed \_\_\_\_\_

Registered Professional Engineer  
under Land Surveyor

\_\_\_\_\_  
A-1000-10-10b

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240  
DISTRICT II  
111 South First, Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department  
**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Form C-105  
Revised 1-1-89

WELL API NO.
30-025-25286
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-5310

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____	7. Lease Name or Unit Agreement Name Cockburn A State
Type of Completion: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> Deepen <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER <u>Re-entry</u>	8. Well No. 5
Name of Operator Black Energy Corporation	9. Pool name or Wildcat Corbin;Abo
Address of Operator P.O. Box 960, Artesia, NM 88211-0960	
Well Location Unit Letter <u>F</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>1980</u> Feet From The <u>West</u> Line Section <u>32</u> Township <u>17S</u> Range <u>33E</u> NMPM <u>Lea</u> County	

10. Date Spudded 5/3/2004	11. Date TD Reached 5/13/2004	12. Date Compl. (Ready to Prod.) 5/29/2004	13. Elevations (DF & RKB, RT, GR, etc.) 4041' RKB	14. Elev. Casinghead 4036'	
5. Total Depth 10824	16. Plug Back TD 10804	17. If Multiple Compl. How Many Zones? 	18. Intervals Drilled By 	Rotary Tools Yes	Cable Tools 
9. Producing Interval(s), of this completion - Top, Bottom, Name 644.5-8914.5' Abo					20. Was Directional Survey Made No
1. Type Electric and Other Logs Run 					22. Was Well Cored No

**CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8		456	17 1/2	475	
9 5/8		5270	12 1/4	1800	
5 1/2	17	10817	8 3/4	2235	

**LINER RECORD**

**TUBING RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	8922	

5. Perforation record (interval, size, and number) 8644.5-8914.5', .45, 82	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 8644.5-8914.5' AMOUNT AND KIND MATERIAL USED 5075 gals 15% NEFF 50212223
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**PRODUCTION**

Date First Production 6/1/2004	Production Method (Flowing, gas lift, pumping - Size and type pump) 2 1/2 x 2 x 24' pump					Well Status (Prod or Shut-in) Producing	
Date of Test 7/1/2004	Hours Tested 24	Choke Size 	Prod'n For Test Period 	Oil - Bbl. 39	Gas - MCF 41	Water Bbl. 300	Gas - Oil Ratio 1051
Flow Tubing Press. 	Casing Pressure 	Calculated 24-Hour Rate 39	Oil - Bbl. 	Gas - MCF 41	Water - Bbl. 300	Oil Gravity - API - (Corr) 41	
9. Disposition of Gas (Sold, used for fuel, vented, etc.) old						Test Witnessed By Robert C. Chase	

10. List Attachments

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature <u>Jerry W. Sherrell</u>	Printed Name Jerry W. Sherrell	Title Production Clerk	Date 7/26/2004
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District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 S. 1st Street Artesia, NM 88210-1404  
District III  
1000 Rio Brazos Rd, Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-104  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator Name and Address <b>MACK ENERGY CORPORATION P.O. BOX 960 ARTESIA, NM 88211-0960</b>		OGRID Number <b>013837</b> ✓
		Reason for Filing Code <b>RC</b>
API Number <b>30-025-25286</b> ✓	Pool Name <b>Corbin;Abo</b>	Pool Code <b>13150</b> ✓
Property Code <b>300240</b> ✓	Property Name <b>Cockburn A State</b>	Well Number <b>5</b>

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>F</b>	<b>32</b>	<b>17S</b>	<b>33E</b>		<b>1980</b>	<b>North</b>	<b>1980</b>	<b>West</b>	<b>Lea</b>

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
Lease Code <b>S</b>	Producing Method Code <b>P</b>	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
<b>015694</b>	<b>Navajo Refining Company P.O. Box 159 Artesia, NM 88211-0159</b>	<b>2026610</b>	<b>O</b>	<b>Unit F, Sec. 32-T17S-R33E</b>
<b>221115</b>	<b>Frontier Field Services, LLC 4200 E. Skelly Drive, Suite 700 Tulsa, OK 74135</b>	<b>2026630</b>	<b>G</b>	<b>Unit F, Sec. 32-T17S-R33E</b>

IV. Produced Water

POD	POD ULSTR Location and Description
<b>0104029</b>	<b>Unit F, Sec. 32-T17S-R33E</b>

V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations
<b>5/3/2004</b>	<b>5/29/2004</b>	<b>10824</b>	<b>10804</b>	<b>8644.5-8914.5'</b>
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement	
<b>17 1/2</b>	<b>13 3/8</b>	<b>456</b>	<b>475</b>	
<b>12 1/4</b>	<b>9 5/8</b>	<b>5270</b>	<b>1800</b>	
<b>8 3/4</b>	<b>5 1/2</b>	<b>10817</b>	<b>2235</b>	
	<b>2 7/8</b>	<b>8922</b>		

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure
<b>6/1/2004</b>	<b>6/1/2004</b>	<b>7/1/2004</b>	<b>24 hours</b>		
Choke Size	Oil	Water	Gas	AOFP	Test Method
	<b>39</b>	<b>300</b>	<b>41</b>		<b>P</b>

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

*Jerry W. Sherrell*

Printed name:

**Jerry W. Sherrell**

Title:

**Production Clerk**

Date:

**7/26/2004**

Phone:

**(505)748-1288**

Approved by:

Title:

**PETROLEUM ENGINEER**

Approval Date:

**AUG 26 2004**

If this is a change of operator fill in the OGRID number and name of the previous operator.

Name:

OGRID #:

Previous Operator Signature

Printed Name

Title

Date