

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 MACK ENERGY CORPORATION P.O. BOX 960 ARTESIA, NM 88211-0960		OGRID Number 013837
		Reason for Filing Code NW
API Number 30-015-32302	Pool Name Empire Yeso	Pool Code 96210
Property Code 021044	Property Name Continental A State	Well Number 9

II. Surface Location

UL or lot no. E-2	Section 30	Township 17S	Range 29E	Lot. Idn.	Feet from the 2310	North/South Line North	Feet from the 580	East/West Line West	County Eddy
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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 S	Producing Method Code P	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
015694	Navajo Refining Company P.O. Box 159 Artesia, NM 88211-0159	2821113	O	Unit C Sec 30-T17S-R29E
009171	Duke Energy Field Service 4001 Penbrook Odessa, TX 79762	2821114	G	Unit C Sec 30-T17S-R29E

IV. Produced Water

POD 2821115	POD ULSTR Location and Description Unit C Sec 30-T17S-R29E
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V. Well Completion Data

Spud Date 5/14/02	Ready Date 6/8/02	TD 4376'	PBTD 4351'	Perforations 3941-4210'
Hole Size 17 1/2	Casing & Tubing Size 13 3/8	Depth Set 329'	Sacks Cement 325 sx	
12 1/4	8 5/8	798'	475 sx	
7 7/8	5 1/2	4366'	910 sx	
	2 7/8	4236'		

VI. Well Test Data

Date New Oil 6/12/02	Gas Delivery Date 6/12/02	Test Date 6/22/02	Test Length 24 hours	Tbg. Pressure	Csg. Pressure
Choke Size 139	Oil 139	Water 250	Gas 184	AOIP	Test Method P

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: <i>Crissa D. Carter</i>		OIL CONSERVATION DIVISION ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR
Printed name: Crissa D. Carter		
Title: Production Analyst		
Date: 7/30/02 Phone: (505)748-1288		
Approval Date: AUG 1 2002		
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		

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
811 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.
30-015-32302

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-4201

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ Deepen ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

2. Name of Operator
Mack Energy Corporation

3. Address of Operator
P.O. Box 960, Artesia, NM 88211-0960

4. Well Location
Unit Letter E : 2310 Feet From The North Line and 580 Feet From The West Line
Section 30 Township 17S Range 29E NMPM Eddy County

7. Lease Name or Unit Agreement Name
Continental A State

8. Well No.
9

9. Pool name or Wildcat
Empire Yeso

10. Date Spudded
5/14/02

11. Date TD Reached
5/23/02

12. Date Compl. (Ready to Prod.)
6/8/02

13. Elevations (DF & RKB, RT, GR, etc.)
3676' RKB

14. Elev. Casinghead
3664'

15. Total Depth
4376'

16. Plug Back TD
4351'

17. If Multiple Compl. How Many Zones?
1

18. Intervals Drilled By
Rotary Tools Yes

19. Producing Interval(s), of this completion - Top, Bottom, Name
3941-4210' Paddock

20. Was Directional Survey Made
Yes

21. Type Electric and Other Logs Run
Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray

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	48	329'	17 1/2	325 sx	None
8 5/8	24	798'	12 1/4	475 sx	None
5 1/2	17	4366'	7 7/8	910 sx	None

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2 7/8	4236'	

26. Perforation record (interval, size, and number)		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3941-4210', .43, 72		3941-4210'	2000 gals 15% NEFE Acid
		3941-4210'	32000 gals 20% HCL, 54000 gals 40# gel
		3941-4210'	5000 gals 15% acid

28. **PRODUCTION**

Date First Production
6/12/02

Production Method (Flowing, gas lift, pumping - Size and type pump)
2 1/2x2x16' Pump

Well Status (Prod. or Shut-in)
Producing

Date of Test
6/22/02

Hours Tested
24 hours

Choke Size
139

Prod'n For Test Period
139

Oil - Bbl.
184

Gas - MCF
250

Water- Bbl.
250

Gas - Oil Ratio
1324

Flow Tubing Press.
Casing Pressure
Calculated 24-Hour Rate
139

Oil - Bbl.
184

Gas - MCF
250

Water- Bbl.
38

Oil Gravity - API - (Corr.)
38

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

Test Witnessed By
Robert C. Chase

30. List Attachments
Deviation Survey, Logs

31. 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 Crissa D. Carter Printed Name Crissa D. Carter Title Production Analyst Date 7/30/02

...the ...

filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 768	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 1040	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 1646	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 2354	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____ 3808	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permain _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

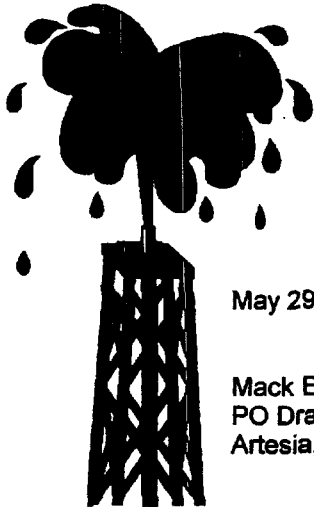
IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.
No. 2, from to feet.
No. 3, from to feet.

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology



Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors
PO Box 1370 Artesia, NM 88211-1370
505/746-6651 746-3518 fax 748-2205

May 29, 2002

Mack Energy Corporation
PO Drawer 960
Artesia, NM 88211-0960

RE: Continental State A #9
2310' FNL & 580' FWL
Sec. 30, T17S, R29E
Eddy County, New Mexico



Gentlemen:

The following is a Deviation Survey for the above captioned well.

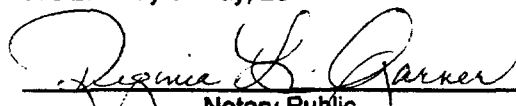
DEPTH	DEVIATION	DEPTH	DEVIATION
335'	3/4°	2380'	1 1/2°
602'	1°	2755'	1 1/2°
806'	1°	3252'	1 1/2°
1098'	1°	3688'	1 1/2°
1409'	1°	4095'	1°
1909'	1°	4376'	1°

Very truly yours,

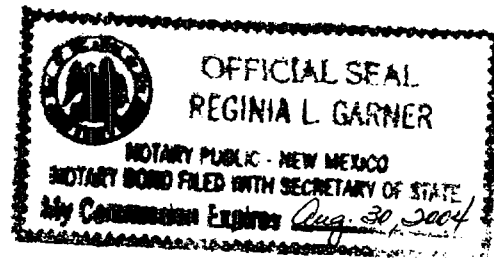

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 29th day of May, 2002.



Notary Public



02-1141

Serving Southeast New Mexico and West Texas Since 1974

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, New Mexico 87505

WELL API NO. 30-015-32302
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-4201
7. Lease Name or Unit Agreement Name Continental A State
8. Well No. 39
9. Pool name or Wildcat Empire Yeso
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3664' GR

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS).	
1. Type Of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator Mack Energy Corporation	
3. Address of Operator P.O. Box 960, Artesia, NM 88211-0960	
4. Well Location Unit Letter <u>E</u> : <u>2310</u> Feet From The <u>North</u> Line and <u>580</u> Feet From The <u>West</u> Line Section <u>30</u> Township <u>17S</u> Range <u>29E</u> NMPM <u>Eddy</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3664' GR	

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input checked="" type="checkbox"/> Completion

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

06/03/2002 Drill out DV tool.
06/04/2002 Perforated from 3941-4210' 72 holes.
06/05/2002 Acidized w/2000 gals 15% NEFE.
06/06/2002 Reacidized w/32,000 gals 20%, 54,000 gals 40# gel, 5000 gals 15% and flush w/4500 gals fresh water.
06/08/2002 RIH w/2 7/8" J-55 tubing 135 joints SN @ 4236', RIH 2 1/2 x 2 x 16' pump.

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

SIGNATURE Crissa D. Carter TITLE Production Analyst DATE 7/30/02

TYPE OR PRINT NAME Crissa D. Carter TELEPHONE NO _____

(This space for State Use)

APPROVED BY [Signature] TITLE _____ DATE AUG 1 2002

CONDITIONS OF APPROVAL, IF ANY

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87505

WELL API NO.
30-015-32302

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-4201

7. Lease Name or Unit Agreement Name

Continental A State

8. Well No.
9

9. Pool name or Wildcat
Empire Yeso

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS).

1. Type Of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
Mack Energy Corporation /

3. Address of Operator
P.O. Box 960, Artesia, NM 88211-0960

4. Well Location
Unit Letter E : 2310 Feet From The North Line and 580 Feet From The West Line
Section 30 Township 17S Range 29E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3664' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☒ Spud and Cement Casings

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

05/14/2002 Spud 17 1/2" hole @ 2:30 PM, TD 17 1/2" hole @ 6:30 PM, RIH w/7 joints 13 3/8" 48# K-55 ST&C set @ 329', Cemented w/325 sx Class C, 2% CC, circ 28 sx, plug down @ 11:00 PM. WOC 18 hours tested casing to 1800# for 30 minutes, held OK.
05/15/2002 TD 12 1/4" hole @ 11:00 PM, RIH w/19 joints 8 5/8" 24# K-55 ST&C set @ 798', Cemented w/275 sx 35/65/6, 1/4# CF, 6# salt, tail in w/200 sx Class C, 2% CC, circ 20 sx, plug down @ 4:00 AM. WOC 12 hours tested casing to 600# for 20 minutes, held OK.
05/23/2002 TD well 4372', log well.
05/24/2002 Finish logging, RIH 5 1/2" 17# 102 joints LT&C @ 4366', Cemented 1st stage w/160 sx 50/50 Poz, 2% gel, 5# salt, .5% FL25, 2nd stage lead 500 sx 35/65/6, 1/4# CF, tail in w/250 sx 50/50/2, 5# salt, .5% FL25, plug down 9:30 AM, circ 35 sx. WOC 12 hours tested casing to 600# for 20 minutes, held OK.

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

SIGNATURE Crissa D. Carter TITLE Production Analyst DATE 6/14/02

TYPE OR PRINT NAME Crissa D. Carter TELEPHONE NO. 748-1288

(This space for State Use)

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

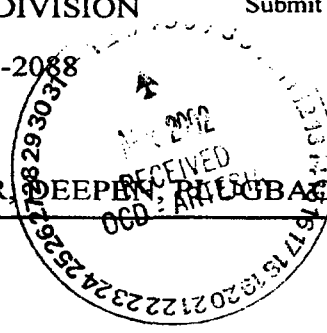
APPROVED BY Tim W. Gum TITLE District II Supervisor DATE JUN 2 2002

CONDITIONS OF APPROVAL, IF ANY:

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-101
Revised February 10, 1994
Instructions on back
Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies
☐ AMENDED REPORT



CLSK
BLM
ST-100
HJ

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

Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		OGRID Number 013837
		API Number 30-015-32302
Property Code 021044	Property Name Continental A State	Well No. 9

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
X	30	17S	29E		2310	North	580	West	Eddy

L-2

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 Empire; Yeso 96210					Proposed Pool 2				

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	O	R	S	3664'
Multiple	Proposed Depth	Formation	Contractor	Spud Date
No	4350'	Paddock	LaRue	4/30/02

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	48	300'	Circ	Surface
12 1/4	8 5/8	24	800'	Sufficient to Circ	Surface
7 7/8	5 1/2	17	4350'	Sufficient to Circ	Surface

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 drill to 300', run 13 3/8" casing and cement. Drill to 800', run 8 5/8" casing and cement. Drill to 4350" and test Paddock Zone, run 5 1/2" casing and cement. Put well on production.

Note: On Production string, a fluid caliber will be run, will figure cement, with 25% excess, attempt to circulate.

NSP-1854

NSL-4724 (12)

I hereby certify that the information given above is true and complete to the best of my knowledge and belief Signature: <i>Crissa D. Carter</i>		OIL CONSERVATION DIVISION Approval by: ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR	
Printed name: Crissa D. Carter		Title:	
Title: Production Analyst		Approval Date: MAY 20 2002	Expiration Date: MAY 20 2003
Date: 4/2/02	Phone: (505)748-1288	Conditions of Approval: Attached <input type="checkbox"/>	

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised February 10, 1984
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

API Number		Pool Code	Pool Name
		96210	Empire Yeso
Property Code	Property Name		Well Number
021044	CONTINENTAL A STATE		9
OGRID No.	Operator Name		Elevation
013837	MACK ENERGY CORPORATION		3664'

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	30	17-S	29-E		2310	NORTH	580	WEST	EDDY

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 27.94	Joint or Infill	Consolidation Code		Order No.					