

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.  
30-015-33413

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

V-5665

**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 **RECEIVED**

7. Lease Name or Unit Agreement Name

Southern Cross 15 State

2. Name of Operator  
Mack Energy Corporation

OCT 21 2004

3. Address of Operator

P.O. Box 960, Artesia, NM 88211-0960

8. Well No.

2

9. Pool name or Wildcat

Penasco Draw; Permo Penn (Gas)

4. Well Location

Unit Letter G : 1980 Feet From The North Line and 1980 Feet From The East Line

Section 15 Township 18S Range 24E NMPM Eddy County

10. Date Spudded 6/19/2004 11. Date TD Reached 7/13/2004 12. Date Compl. (Ready to Prod.) 8/31/2004 13. Elevations (DF & RKB, RT, GR, etc.) 3762' RKB 14. Elev. Casinghead 3746'

15. Total Depth 7155 16. Plug Back TD 6576 17. If Multiple Compl. How Many Zones? \_\_\_\_\_ 18. Intervals Drilled By \_\_\_\_\_ Rotary Tools Yes Cable Tools \_\_\_\_\_

19. Producing Interval(s), of this completion - Top, Bottom, Name

6465-6544', Penn

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

23.

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	1200	12 1/4	1470 sx	None
5 1/2	17	7136	7 7/8	1720 sx	None

24. **LINER RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	6420	6420

25. **TUBING RECORD**

26. Perforation record (interval, size, and number)

6465-6544', .45, 42

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>6465-6544'</u>	<u>5000 gals 20% NEFE</u>
<u>6465-6544'</u>	<u>2000 gals 20% NEFE</u>

28. **PRODUCTION**

Date First Production <u>9/2/2004</u>	Production Method (Flowing, gas lift, pumping - Size and type pump) <u>Flowing</u>				Well Status (Prod. or Shut-in) <u>Producing</u>	
Date of Test <u>10/5/2004</u>	Hours Tested <u>24</u>	Choke Size <u>3</u>	Prod'n For Test Period <u>3</u>	Oil - Bbl. <u>90</u>	Gas - MCF <u>33</u>	Water - Bbl. <u>33</u>
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. <u>3</u>	Gas - MCF <u>90</u>	Water - Bbl. <u>33</u>	Oil Gravity - API - (Corr.) <u>N/A</u>

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

Sold

Test Witnessed By

Robert C. Chase

30. List Attachments

Deviation Survey and 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 Jerry W. Sherrell Printed Name Jerry W. Sherrell Title Production Clerk Date 10/20/2004

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be 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 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 522	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____ 1902	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____ 3226	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____ 3885	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____ 5226	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____ 6240	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

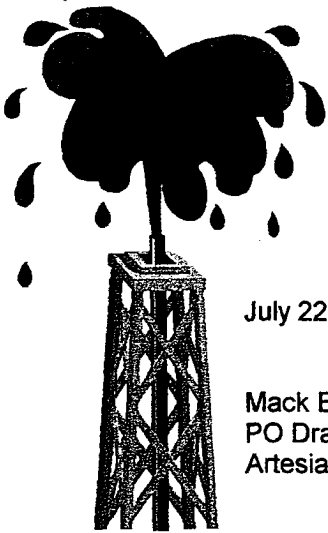
Include data on rate of water inflow and elevation to which water rose in hole.

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

From	To	Thickness in Feet	Lithology



# Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors

PO Box 1370  
505/746-6651

Artesia, NM 88211-1370  
746-3518 fax 748-2205

July 22, 2004

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

RE: Southern Cross 15 St #2  
660' FNL & 1980' FEL  
Sec. 15, T18S, R24E  
Eddy County, New Mexico

Gentlemen:

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

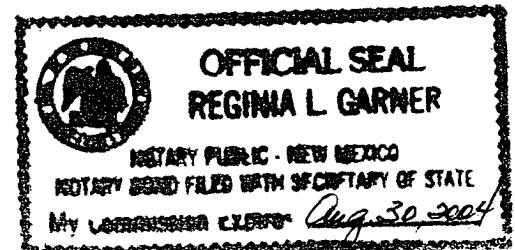
DEPTH	DEVIATION	DEPTH	DEVIATION
274'	1/4°	3271'	3/4°
528'	3/4°	3673'	1°
900'	2°	4102'	1/2°
1092'	2°	4599'	1 3/4°
1114'	2°	4659'	2 1/4°
1167'	2 1/4°	4753'	2°
1346'	1 1/2°	4940'	1°
1532'	1 3/4°	5437'	1 1/2°
1687'	2°	5935'	1°
1737'	1 1/2°	6069'	1°
2091'	1°	6558'	1/2°
2340'	1°	7029'	1/2°
2840'	1°	7155'	1/2°

Very truly yours,

Eddie C. LaRue  
Vice President

STATE OF NEW MEXICO }  
COUNTY OF EDDY }

The foregoing was acknowledged before me  
this 22<sup>nd</sup> day of July, 2004.

  
Notary Public

04-1287

*Serving Southeast New Mexico and West Texas Since 1974*