

Appropriate
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.

30-015-33780

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

V-4070

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

APR 28 2005

ODD-ARTESIA

7. Lease Name or Unit Agreement Name

Southern Cross 16 State

8. Well No.

3

9. Pool name or Wildcat

Penasco Draw; Permo Penn (Gas)

2. Name of Operator
Mack Energy Corporation

3. Address of Operator

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

4. Well Location

Unit Letter H : 1980 Feet From The North Line and 660 Feet From The East Line

Section 16 Township 18S Range 24E NMPM Eddy County

10. Date Spudded

1/13/2005

11. Date TD Reached

2/18/2005

12. Date Compl. (Ready to Prod.)

2/24/2005

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

3783' RKB

14. Elev. Casinghead

3767'

15. Total Depth

6560

16. Plug Back TD

6543

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

6260-6560', 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
9 5/8	36	1194	12 1/4	705 sx	None
7	26	6260	8 3/4	600 sx	None

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	6185	6185

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

6260-6560', Open hole

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6260-6560'	500 gals 15% NEFE, 35,000 SCF Nitrogen
6260-6560'	3500 gals 15% NEFE, 45,176 SCF Nitrogen

28.

PRODUCTION

Date First Production 3/5/2005		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing	
Date of Test 3/5/2005	Hours Tested 24 hours	Choke Size	Prod'n For Test Period	Oil - Bbl. 5	Gas - MCF 810	Water - Bbl. 3	Gas - Oil Ratio 162,000
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 5	Gas - MCF 810	Water - Bbl. 3	Oil Gravity - API - (Corr.)	

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

4/27/2005

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 W1TH 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	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 1850	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinbry	T. Gr. Wash	T. Morrison	T.
T. Tubb 3188	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo 3846	T.	T. Wingate	T.
T. Wolfcamp 5260	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C) 6224	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 Artesia, NM 88211-1370
505/746-6651 746-3518 fax 748-2205

RECEIVED

February 8, 2005

FEB 10 2005

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

RE: Southern Cross 16 St #3
1980' FNL & 660' FEL
Sec. 16, T18S, R24E
Eddy County, New Mexico

RECEIVED

APR 28 2005

DOH-ARTESIA

Gentlemen:

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

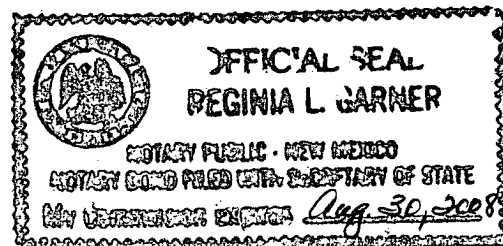
DEPTH	DEVIATION	DEPTH	DEVIATION
309'	1/2°	4003'	1°
617'	3/4°	4220'	1 1/4°
1082'	1 1/4°	4626'	3°
1205'	1°	4687'	2 1/4°
1482'	1 1/2°	4750'	2 3/4°
1641'	1 3/4°	4846'	2 1/2°
1735'	1 1/2°	5068'	1 3/4°
1918'	1 1/2°	5440'	1 1/2°
2109'	1°	5785'	1 3/4°
2475'	3/4°	5909'	1°
2882'	1°	6210'	1 1/4°
3100'	1/2°	6260'	1 1/4°
3566'	1/4°		

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 8th day of February, 2005.

Notary Public

05-1310

Serving Southeast New Mexico and West Texas Since 1974