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Form C-105  
Revised 11-1-74

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
**RECEIVED**

APR 19 1977

5a. Indicate Type of Lease  
State  Fee   
5. State Oil & Gas Lease No.

1a. TYPE OF WELL  
OIL WELL  GAS WELL  DRY   
b. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER   
2. Name of Operator  
Mark Production Company ✓  
3. Address of Operator  
330 Citizens Bank Building, Tyler, TX 75702  
4. Location of Well  
UNIT LETTER J LOCATED 1690 FEET FROM THE South LINE AND 1680 FEET FROM  
THE East LINE OF SEC. 1 TWP. 18 S RGE. 26 E NMPM

7. Unit Agreement Name  
8. Farm or Lease Name  
HIGGINS "A"  
9. Well No.  
1-Y  
10. Field and Pool, or Wildcat  
Red Lake Q-G-SA

15. Date Spudded  
1-21-77  
16. Date T.D. Reached  
1-27-77  
17. Date Compl. (Ready to Prod.)  
3-25-77  
18. Elevations (DF, RAB, RT, GR, etc.)  
3288 GL  
19. Elev. Casinghead  
20. Total Depth  
1750'  
21. Plug Back T.D.  
22. If Multiple Compl., How Many  
23. Intervals Drilled By  
Rotary Tools  
Rotary  
24. Producing Interval(s), of this completion - Top, Bottom, Name  
1446' - 1717'  
25. Was Directional Survey Made  
Yes  
26. Type Electric and Other Logs Run  
Gamma Ray, Sidewall Neutron and Comp. Acoustic Velocity-Gamma Ray  
27. Was Well Cored  
No

12. County  
Eddy

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	54#	120'	24"	200 sks C1 C Circ 38 sks	
8-5/8"	24#	1168'	11"	300 sks LtWt, 150 sks C1 C	
5-1/2"	17#	1750'	7-7/8"	250 sks C1 C 150 sks C1 C Circ 50 sks	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)

1446' 1466' 1480' 1486' 1514' 1517' 1570'  
1592' 1601' 1614' 1629' 1636' 1658' 1686'  
1719' 1604' 1625' 1656' 1662' 1674' 1691'  
1717'

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1446 - 1717	3000 gals acid
	6000 KCL water
	95000# sand

33. PRODUCTION

Date First Production  
3-15-77  
Production Method (Flowing, gas lift, pumping - Size and type pump)  
Pump  
Well Status (Prod. or Shut-in)  
Producing

Date of Test  
4-3  
Hours Tested  
24  
Choke Size  
Pmp  
Prod'n. For Test Period  
Oil - Bbl.  
33  
Gas - MCF  
-  
Water - Bbl.  
156  
Gas - Oil Ratio  
~

Flow Tubing Press.  
Casing Pressure  
pump  
Calculated 24-Hour Rate  
Oil - Bbl.  
33  
Gas - MCF  
-  
Water - Bbl.  
156  
Oil Gravity - API (Corr.)  
39°

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Test Witnessed By  
W. H. Cravey

35. List of Attachments  
Deviation Survey Comp. Acoustic Velocity-Gamma Ray Log

36. 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.

SIGNED W. H. Cravey TITLE Production Clerk DATE 4/15/77

**INSTRUCTIONS**

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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 <u>1125</u> | T. Simpson _____       | T. Gallup _____             | T. Ignacio Qtzte _____ |
| T. Glorieta _____         | T. McKee _____         | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock _____          | T. Ellenburger _____   | T. Dakota _____             | T. _____               |
| T. Blinbry _____          | T. Gr. Wash _____      | T. Morrison _____           | T. _____               |
| T. Tubb _____             | T. Granite _____       | T. Todilto _____            | T. _____               |
| T. Drinkard _____         | T. Delaware Sand _____ | T. Entrada _____            | T. _____               |
| T. Abo _____              | T. Bone Springs _____  | T. Wingate _____            | T. _____               |
| T. Wolfcamp _____         | T. _____               | T. Chinle _____             | T. _____               |
| T. Penn. _____            | T. _____               | T. Permian _____            | T. _____               |
| T. Cisco (Bough C) _____  | T. _____               | T. Penn. "A" _____          | T. _____               |

**OIL OR GAS SANDS OR ZONES**

- |                         |                         |
|-------------------------|-------------------------|
| No. 1, from.....to..... | No. 4, from.....to..... |
| No. 2, from.....to..... | No. 5, from.....to..... |
| No. 3, from.....to..... | No. 6, 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. .... |
| No. 4, from.....to..... | feet. .... |

**FORMATION RECORD (Attach additional sheets if necessary)**

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	522	522	Sand and Shale				
522	1750	1228	Lime				



KENNETH D. REYNOLDS - ARTESIA  
LESLIE K. EVERETSON - ROSWELL

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 2055 ROSWELL, NEW MEXICO 88201  
TELEPHONES: ARTESIA 505/746-5757  
ROSWELL 505/623-5070

January 28, 1977

Mark Production Co.  
1907 N. Cielo Dr.  
Hobbs, New Mexico 88240  
ATTENTION: Herman Cravey

Re: Higgins "A"

Gentlemen:

The following is a Deviation Survey of the above well:

120'- $\frac{1}{4}$	1168'- $\frac{3}{4}$
370'- $\frac{3}{4}$	1500'- $\frac{3}{4}$
610'-1	1750'- $\frac{3}{4}$
1098'- $\frac{3}{4}$	

Yours very truly,

WEK DRILLING CO., INC.  
*Arnold Newkirk*  
Arnold Newkirk

STATE OF NEW MEXICO )  
                                  )  
COUNTY OF CHAVES     )

The foregoing was acknowledged before me this 28<sup>th</sup> day of January, 1977 by Arnold Newkirk.

My Commission Expires:  
April 2, 1980

*Hilda Bea Newton*  
Notary Public