

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

RECEIVED

NM-0144698

SEP 7 11 00 AM '89

RECEIVED  
SUPERIOR FEDERAL  
AREA

SEP 25 '89

Superior Federal

#5

Burton Flat, ~~Strawn~~ <sup>Strawn</sup>

Sec. 5-T20S-R29E

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

2. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. REVS.  Other \_\_\_\_\_

2. NAME OF OPERATOR: The Petroleum Corporation of Delaware

3. ADDRESS OF OPERATOR: 3131 Turtle Creek Blvd., Suite 400, Dallas, TX 75245

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):  
At surface: Unit letter K 1980'FSL & 1980'FWL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

12. COUNTY OR PARISH: Eddy  
13. STATE: NM

15. DATE SPUNDED: 4/20/89  
16. DATE T.D. REACHED: 5/28/89  
17. DATE COMPL. (Ready to prod.): 7/31/89  
18. ELEVATIONS (DF, RKB, RT, OR, ETC.): GL 3293'  
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD: 11,570  
21. PLUG, BACK T.D., MD & TVD: 11,250  
22. IF MULTIPLE COMPL. HOW MANY? \_\_\_\_\_  
23. INTERVALS DRILLED BY: \_\_\_\_\_ ROTARY TOOLS: X CABLE TOOLS: \_\_\_\_\_

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
9,665'-9,831' and 10,306'-10,310'  
Wolfcamp Strawn (SJS)

26. TYPE ELECTRIC AND OTHER LOGS RUN: Compensated Density Dual Spaced Neutron, Long Spaced Sonic, Dual Laterolog Microguard, Spectral DD Spaced Neutron  
27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5	350'	17-1/2"	370 sx "C" 2% CaCl (circ'd)	0
8-5/8"	32	3,205'	11"	1617 sx "A" 3% D44 (1" to simf)	0
5-1/2"	17 & 20	11,578'	7-7/8"	695 sx "H"	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	10,230	

31. PERFORATION RECORD (Interval, size and number)  
Strawn: 10,306'-310' (16 shots)  
Lower Wolfcamp/ Canyon: 9,665'-671', 9,677'-699', 9,818'-831' (all w/2 SPF)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
7/1/89	Flowing	Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/1/89	8	3/4"		6.6	281	0	42,600

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
505	0		20 BOPD	842 MCFD	0 BOPD	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Vented  
TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS: SJS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED: David Hanger TITLE: Sr. Production Engineer DATE: August 29, 1989

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Wolfcamp	9,672	9,837	Init flow 30 min.; Init SI 90 min. Final flow 90 min.; Final SI 180 min. IHP 4793 psi; IFIP 181 psi; IFFP 290 psi; ISIP 4543 psi; FFIP 290 psi; FFFP 543 psi; FSIP 4041 psi; FHP 4882 psi. No cushion. Had strong 20 ft. gas flare. DP recovery: 5 Bbls condensate and 25 ft. of mud filtrate. Tool recovery: 3.4 CF gas @ 550 psi, 500 cc condensate.	Yates Capitan Reef Delaware Bone Springs Wolfcamp Penn Strawn Atoka Morrow Lime Morrow Clastic	1,093 1,400 3,126 5,482 8,893 9,918 10,218 10,587 11,090 11,208	1,093 1,400 3,126 5,482 8,893 9,918 10,218 10,587 11,090 11,208
Strawn	10,250	10,450	Init flow 30 min.; Init SI 60 min. Final flow 60 min.; final SI 180 min.; IHP 5205 psi; IFIP 130 psi, IFFP 173 psi; ISIP 1920 psi; FFIP 216 psi; FFFP 238 psi; FSIP 2201 psi; FHP 5205 psi. No cushion. Flowed about 30 MCFD @ 20 psi on 16/64" choke. DP recovery: 180 ft of mud. Tool recovery: 471 CF gas @ 75 psi, 800 cc mud			
Morrow	11,120	11,302	Init flow 30 min.; Init SI 90 min.; Final flow 90 min.; Final SI 180 min.; IHP 5773 psi; IFIP 216 psi; IFFP 216 psi; ISIP 909 psi; IFIP 152 psi; FFFP 216 psi; FSIP 2525 psi; FHP 5773 psi; no cushion. Flowed about 6 MCFD @ 4 psi on 16/64" choke. DP recovery: 230 ft. mud. Tool recovery: 1-2 CF gas @ 150 psi, 10 cc mud			
Morrow	11,320	11,570	Packers failed. No test.			

38.

GEOLOGIC MARKERS

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AUG 29 '89

O. C. D.  
ARTESIA, OFFICE

WELL: Superior Federal #5

LOCATION Sec. 5-20S-29E Eddy County, New Mexico  
(Give Unit, Section, Township, And Range)

OPERATOR Petroleum Corp. of Delaware

DRILLING CONTRACTOR Exeter Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
<u>3/4° 244'</u>	<u>3 1/2° 5,800'</u>	<u>5 1/2° 6,493'</u>
<u>3/4° 450'</u>	<u>4 1/2° 5,865'</u>	<u>5 1/2° 6,584'</u>
<u>3/4° 646'</u>	<u>4 1/4° 5,895'</u>	<u>5° 6,615'</u>
<u>1° 956'</u>	<u>4° 5,928'</u>	<u>4 1/2° 6,647'</u>
<u>1 1/4° 1,267'</u>	<u>4 1/2° 5,960'</u>	<u>4 1/4° 6,677'</u>
<u>1 1/2° 1,454'</u>	<u>4 1/2° 5,992'</u>	<u>4 1/4° 6,708'</u>
<u>1 1/4° 1,697'</u>	<u>4° 6,022'</u>	<u>3 3/4° 6,740</u>
<u>1° 1,976'</u>	<u>4° 6,054'</u>	<u>3 3/4° 6,770'</u>
<u>1 3/4° 2,597'</u>	<u>4 1/4° 6,084'</u>	<u>3 3/4° 6,832'</u>
<u>1° 3,603'</u>	<u>3 3/4° 6,114'</u>	<u>4° 6,893'</u>
<u>1° 4,005'</u>	<u>3 1/2° 6,145'</u>	<u>3 3/4° 6,924'</u>
<u>1° 4,407'</u>	<u>3 1/2° 6,186'</u>	<u>3 1/4° 6,987'</u>
<u>1° 4,787'</u>	<u>3 1/2° 6,238'</u>	<u>2 3/4° 7,048'</u>
<u>1° 5,192'</u>	<u>3 1/2° 6,301'</u>	<u>2 3/4° 7,111'</u>
<u>2 1/2° 5,627'</u>	<u>3 1/2° 6,363'</u>	<u>2 3/4° 7,175'</u>
<u>3° 5,752'</u>	<u>5 1/2° 6,458'</u>	<u>2 1/2° 7,238'</u>

Drilling Contractor Exeter Drilling Company

By Bruce D. Houtchens  
Bruce D. Houtchens, Drilling Manager

Subscribed and sworn to before me this 8th day of June, 1989

Sherri K. Brannon  
Notary Public Sherri K. Brannon

My Commission Expires: 3-10-90 Midland County Texas

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AUG 29 '89

WELL: Superior Federal #5 (CONT)

O. C. D.  
ARTESIA, OFFICE

LOCATION \_\_\_\_\_  
(Give Unit, Section, Township, And Range)

OPERATOR \_\_\_\_\_

DRILLING CONTRACTOR \_\_\_\_\_

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
2 1/2° 7,301'	1 1/4° 11,570'	_____
2 1/4° 7,364'	_____	_____
2 1/4° 7,457'	_____	_____
2 1/4° 7,552'	_____	_____
2 1/2° 7,645'	_____	_____
2 1/2° 7,708'	_____	_____
2 1/4° 7,818'	_____	_____
1 3/4° 7,960'	_____	_____
1 1/2° 8,212'	_____	_____
2 1/4° 8,618'	_____	_____
1 1/4° 9,021'	_____	_____
1/2° 9,430'	_____	_____
3/4° 9,666'	_____	_____
1° 10,450'	_____	_____
1° 11,004'	_____	_____
1/2° 11,197'	_____	_____

Drilling Contractor \_\_\_\_\_

By \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_

Notary Public \_\_\_\_\_

My Commision Expires: \_\_\_\_\_ County \_\_\_\_\_