

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN PLICATE*
(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

458

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.
NMNM 0405444

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Todd 23 Federal #4

9. API WELL NO.
30-015-26928

10. FIELD AND POOL, OR WILDCAT
Sand Dunes *Engle Wells Del.*

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 23-T23S-R31E
Unit I

12. COUNTY OR PARISH
Eddy

13. STATE
NM

14. PERMIT NO.
N/A

DATE ISSUED

15. DATE SPUDDED
02-11-92

16. DATE T.D. REACHED
03-02-92

17. DATE COMPL. (Ready to prod.)
04-20-92

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
GL 3471', RKB 3489'

19. SLEV. CASINGHEAD
3473'

20. TOTAL DEPTH, MD & TVD
8330'

21. PLUG. BACK T.D., MD & TVD
8281'

22. IF MULTIPLE COMPL., HOW MANY?
N/A

23. INTERVALS DRILLED BY
ROTARY TOOLS
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Delaware 8160-8220'

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
Compensated Neutron/Litho-Density, Dual Later-log/Micro-SFL (open hole) and Segmented Bond/VDL/GR log (cased hole)

27. WAS WELL CORED
NO

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
20" cond		40'			
13 3/8" H40	48#	819'	17 1/2"	surface	
8 5/8" K55	32#	4426'	11"	surface	
5 1/2" N80 15.5# & K55 17#		8325'	7 7/8"	4180', DV tool 5529'	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	8059'	NONE

31. PERFORATION RECORD (Interval, size and number)
8160-8220' with 1 shot per 2'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8160-8220'	2500 gals 15% HCl
8160-8220'	37,766 gals gel + 76,000#
	20/40 sand

33. PRODUCTION

DATE FIRST PRODUCTION
04/13/92

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
flowing

WELL STATUS (Producing or shut-in)
producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
04-20-92	24	14/64"		221	259	13	1172

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
570	1025		221	259	13	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
presently venting; will hook up to gas sales

TEST WITNESSED BY
Mike Cummings

35. LIST OF ATTACHMENTS
open hole logs, cement bond log, deviation survey

8 1993

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Candace R. Graham TITLE Engineering Assistant DATE 04-16-92

*(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
DST #1	7075'	7105'	IHP 3306, IFP 121 (15"), SIP 2913 (30"), FFP 473 (60"), SIP 2981 (212"), FHP 3306 sample chamber: 1250 cc oil, 1.15 cu.ft. gas recovered 1800' gas-cut oil	Lamar Cherry Canyon Brushy Canyon Bone Spring Top of salt Base of salt	4410' 5556' 6972' 8268' 2986' 4410'	
DST #2	8052'	8103'	IHP 3645, IFP 54 (15"), SIP 1466 (30"), FP 135 (60"), SIP 3455 (180"), FHP 3658 sample chamber: 700 cc oil, 600cc filtrate, .263 cu.ft. gas recovered 291' gas & oil-cut mud			

38.

GEOLOGIC MARKERS