

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

d/sf

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 2409 Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface Unit Letter C, 660' FNL & 1980' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. _____
DATE ISSUED _____
ARTESIA, OFFICE

Not Available

15. DATE SPUDDED 10-15-85 16. DATE T.D. REACHED 11-07-85 17. DATE COMPL. (Ready to prod.) 01-30-86 18. ELEVATIONS (DF, BEB, RT, OR, ETC.)* GL 3735', KB 3764.20' 19. ELEV. CASINGHEAD GL 3735'

20. TOTAL DEPTH, MD & TVD 8830' 21. PLUG, BACK T.D., MD & TVD 8793' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ 24. BOTARY TOOLS _____ 25. CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Bone Springs 8416' - 8644'

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Compensated Densilog & Neutron Log,

Gamma Ray Dual Induction Focused, Gamma Ray Cement Bond, Gamma Ray BHC

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"	48	598	17 1/2	700 sacks	None
8 5/8"	24 & 32	2700	11	1550 sacks	None
5 1/2"	17	8828	7 7/8	570 sx (1st stage), 2nd	None
				824 sx Halliburton Lite &	100 sx Class "C" Near

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	8671	

31. PERFORATION RECORD (Interval, size and number)

8416, 23, 31, 36, 45, 52, 68, 76, 85, 97,
8507, 8584, 88, 92, 96, 8600, 8606, 8614,
18, 23, 27, 31, 34, 37, 41, 44 (1 JSPF,
26 holes, .47")

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8614 - 8644	2000 gal. 7 1/2% MSR
8584 - 8606	1500 gal. 7 1/2% MSR
8584 - 8644	30000 gal. EZ frac using 54000# 20/40 s
8416 - 8507	2000 gal. 7 1/2% acid then 49550 gal. sd.

33.*

PRODUCTION

Versagel using 120000# 20/40 sd.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
01-30-86		Pumping 2" x 1 1/4" x 14' Pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
02-20-86	24	-	→	14	5.9	12	421
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-	25	→	14	ACCEPTED FOR RECORD	12	32.6	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented and being used to run Ajax

TEST WITNESSED BY

Curtis C. Cornett

35. LIST OF ATTACHMENTS Inclination Report, Gamma Ray Compensated Densilog & Neutron Log, Gamma Ray Dual Induction Focused Log, Gamma Ray Cement Bond Log & Gamma Ray BHC Acoustilog

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

SIGNED Steven A. Pohler

TITLE Production Engineer

DATE 02-24-86

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 36.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicates which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Stacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL SHUT-IN PRESSURES, AND RECOVERIES DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Queen	3340	3795		Queen	3340		
Grayburg	3795	4320		Grayburg	3795		
San Andres	4320	5490		San Andres	4320		
Bone Springs (1st sand)	7530	8138		Bone Springs	5490		
Bone Springs (2nd sand)	8138	8830					