

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

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 API 30-025-31053

2. NAME OF OPERATOR
Oryx Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 1361, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface E, 1830' FNL & 660' FWL
 At top prod. interval reported below _____
 At total depth _____

14. PERMIT NO. _____ DATE ISSUED 11-1-90

5. LEASE DESIGNATION AND SERIAL NO.
NM-04591

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
McAlpine Federal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
E K Delaware

11. SEC. T, R., M., OR BLOCK AND SURVEY OR AREA
19, T-18-S, R-34-E

12. COUNTY OR PARISH Lea 13. STATE New Mexico

15. DATE SPUNDED 12-4-90 16. DATE T.D. REACHED 12-15-90 17. DATE COMPL. (Ready to prod.) 12-17-90 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3968.5' GR 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 7475' 21. PLUG, BACK T.D., MD & TVD 7185' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5426' - 5474' Delaware 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Laterlog Micro SFL, Spectral Density Dual Spaced Neutron, CBL-GR-CCL 27. WAS WELL CORED Yes - sidewall core

29. 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"	54.50#	402'	17 1/2"	420 sxs	157 sxs
8 5/8"	24 & 32#	3200'	12 1/4"	1370 sxs	171 sxs
5 1/2"	17 & 15.50#	7475'	7 7/8"	1000 sxs	TOC 2750' T.S.

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	5536	

31. PERFORATION RECORD (Interval, size and number)

6056'-6089', 2 JHPF, 67 holes Delaware
CIBP @ 6000' w/3 sxs cmt on top

5426'-5474', 2 JHPF, 78 holes Delaware

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6056' - 6089'	Acidzd w/1500 gls 15% NEFEHCL, Frac'd w/11,750 gls guar-gel w/41,500#
5426' - 5474'	12/20 Brady sd & 9000# 12/20 CRCS. Acidzd w/1500 gls 7 1/2% NEFEHCL, Frac'd w/11,750 gls Guar-gel + 41,500#

33. PRODUCTION

DATE FIRST PRODUCTION 2-9-91 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 2 1/2" x 1-3/4" x 25' 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
2-18-91	24			44	68	270	1545

FLOW, TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE 66° OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Flaring TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS
C-104, Inclination Report, C-129

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

SIGNED _____ TITLE Proration Analyst DATE 2-20-91

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 33, 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 35.

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: Indicate 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: "Sacks 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.)

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.
Rustler	1704'	3210'	Evaporites
Yates	3210'	3658'	Limestone - Dolomite
Seven Rivers	3658'	4379'	" "
Queen	4379'	4654'	" "
Penrose	4654'	7366'	" "
Bone Spring	7366'	7475' TD	" "

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	1704'	
Yates	3210'	
Seven Rivers	3658'	
Queen	4379'	
Penrose	4654'	
Bone Spring	7366'	