

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐		11-16-1990	
b. TYPE OF COMPLETION:					
NEW WELL ☒ WORK OVER ☐		DEEP EN ☐ PLUG BACK ☐		DIFF. RESER. ☐ Other ☐	
2. NAME OF OPERATOR					
OXY USA Inc. ✓					
3. ADDRESS OF OPERATOR					
P.O. Box 50250 Midland, TX 79710					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)					
At surface 1980 FNL, 660 FWL, SEC 11 (SWNW) T20S R28E					
At top prod. interval reported below					
At total depth					
14. PERMIT NO.		DATE ISSUED			
30015262480051		11/29/89			
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)	
1/1/90		2/14/90		3/14/90	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.) *		19. ELEV. CASINGHEAD			
3562.9					
20. TOTAL DEPTH, MD & TVD		21. PLUG. BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY *	
11400'		11287'			
23. INTERVALS DRILLED BY				ROTARY TOOLS	
				X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) *				25. WAS DIRECTIONAL SURVEY MADE	
11016' - 11259' - Morrow				No	
26. TYPE ELECTRIC AND OTHER LOGS RUN				27. WAS WELL CORED	
CNL - LDT - GR - CAL				Yes	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
13-3/8"		48#		595'	
8-5/8"		24-32#		3020'	
5-1/2"		17-20#		11400'	
HOLE SIZE		AMOUNT PULLED			
17-1/2"		650 sx.			
12-1/4"		2200 sx.			
7-7/8"		975 sx.			
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
SACKS CEMENT *		SCREEN (MD)			
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
2-3/8"		10964'		10956'	
31. PERFORATION RECORD (Interval, size and number)					
2SPF @ 11016, 17, 18, 19, 20, 24, 25, 26, 27, 28, 55, 56, 57, 62, 63, 64, 69, 70, 71, 72, 73, 11141, 42, 43, 63, 64, 65, 66, 67, 11206, 07, 08, 09, 10, 11, 12, 13, 14, 57, 11259 - Total - 82 holes					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
11016' - 11259'		8000 gal 7-1/2% HCL w/ 1000 SCF N2/bbl.			
11016' - 11259'		12400 gal Frac w/CO2 + 34280# resin coated sand.			
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
3/30/90		Flowing			Producing
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
3/30/90		24		11/64	
PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
		0		1513	
WATER—BBL.		GAS-OIL RATIO			
10					
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
1350				0	
OIL—BBL.		GAS—MCF.		WATER—BBL.	
0		1513		10	
OIL GRAVITY-API (CORR.)					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					
Sold					
35. LIST OF ATTACHMENTS					
S. Nichols					

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		NAME		MEAS. DEPTH	TOP
DRILL STEM TEST		(FROM) - (TO)		FORMATION		TYPE TEST			
DST NUMBER	1	9210	9102	WOLFCAMP	CONVENTIONAL			3331'	
M.D.	9270	TVD	9220	SIZE 7.875	MUD WT 9.8	VISCOSITY 37.0			
DP OD SIZE	4.500	DC	6.250	ID 2.250	LG 980	FLUID SURF			
INIT FLOW TM	15 MN	1ST	2ND	ASSEMBLY				4825'	
IHP	4858		4811	TOP PACKER	9096	BTM PKR		8489'	
ISIP	3660		3599	CUSHION TYPE	NONE	AMOUNT			
FFTM	90 HRMN	90 HRMN	90 HRMN	BH TEMPERATURE	144	BH CHOKE		8791'	
FFP				REC. LENGTH	677	OF GAS CUT MUD, 10%			
FSIP	3048		3009	REC. LENGTH		OF CONDENSATE		10065'	
FHP	4795		4749	REC. LENGTH		OF			
FSI TIME	180 HRMN	180 HRMN	180 HRMN	REC. LENGTH		OF		10333'	
FLOWED	GAS	GAS	OIL	WATER		HRMN FTP			
FLOWED	GAS	GAS	OIL	WATER		HRMN FTP		10792'	
TIME OPENED	00 : 00	CLOSED	00 : 00	DRILL STEM TIME	START 00 : 00	END 00 : 00			
OIL GR				GAS GVTY		WATER SP GRAVITY		11263'	
DST REMARKS:									
1ST FLOW TM: IFP=227-265, 2ND: 200-276. 1ST FLOW TM: FFP=227-315, 2ND: 200-276. HAD GAS TO SURFACE IN 3 MINUTES									
AFTER PREFLOW (TOTAL 14 MINS) OPENED TOOL FOR PREFLOW @ 1305 HRS CST 1-25-90, SHUT IN 1316 HRS FOR ISI, OPENED FINAL FLOW @ 1420 HRS, SHUT IN 1550 HRS. PULLED TOOL LOOSE @ 1900 HRS									
CST TOOLS ON BLANK @ CHLORIDES: PIT 3100 PPM, TOP RECOVERY 4000, MIDDLE 4000, TOP TOOL 4000, SAMPLE CHAMBERS, CHLORIDES 4000, 460 CC GAS CUT MUD, 240 CC CONDENSATE TOTAL (700 CC) 1.16 CU/FT GAS, PSI 170, RES 1.7 @ 50 DEGREES.									
CORE DATA									
NO. 1 INTERVAL 10831 - 10848									
DESCRIPTION: 10831-10831.5 BLACK SHALE; 10831.5-10840.6 DARK GRAY TO BLACK FOSSILIFEROUS LIMESTONE, 10840.5-10844 LIMESTONE W/CHRT BONDING AND FRACTURING 10844-10846 DARK GRAY TO BLACK DENSE SHALY LIMESTONE STYOLITE.									
RECOVERED 15.00 FT. %									
NO. 2 INTERVAL 11015 - 11066									
DESCRIPTION: 11015-28 LT TO MED GRAY SAND, MOSTLY FINE TO MED GRAINES W/TENSES OF VERY COARSE SAND. BLEEDING HYDROCARBONS, 11028-31 DRK GRAY VERY FINE GRAIN SHALEY SAND BLEEDING HYDROCARBONS. 11031-40 FINE GRAINED SAND W/ABUNDANT SHALE PARTINGS.									
RECOVERED 51.00 FT. %									