

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

30-045-28703
Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

b. TYPE OF COMPLETION:

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

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

5525 Hwy 64 NBU 3004, Farmington, NM 87401

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

At surface Unit M, 1762' FSL & 768' FWL

At top prod. interval reported below Same as above

At total depth Same as above

14. PERMIT NO.

DATE ISSUED

30-045-28703

5. LEASE DESIGNATION AND SERIAL NO. 10-13-92

SF-079047

SWD-490

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan 32-8 Unit

8. FARM OR LEASE NAME

9. WELL NO.

303 SWD

10. FIELD AND POOL, OR WILDCAT

Undesig. Morrison Entrada

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 14, T31N, R8W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

15. DATE SPUNDED

7-15-92

16. DATE T.D. REACHED

8-16-92

17. DATE COMPL. (Ready to prod.)

9-15-92

18. ELEVATIONS (DF, RKB, RT, CR, ETC.)*

6643' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

9370'

21. PLUG, BACK T.D., MD & TVD

9318'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

→

X

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

Entrada 9074'-9210'; Bluff 8860'-8930'; Morrison 8510'-8782'

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR/CCL/CBL/VDL, DIL/SP/Sonic/GR/CAL/CBL/LDT/CNL/GR

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
16"	65#, H-40	457'	20"	525 Sx C1 G, Circ 105 Sx	525
3950 10-3/4"	51#, L-80 55	3950'	14-3/4"	1st-450 Sx 65/35 poz, 500 Sx G, Circ 80 Bbls	
740 7-5/8"	29.7#, N-80	8003'	9-1/2"	2nd-1100 Sx 65/35 Poz, 150 Sx G, Circ 200 Bbls	
				540 Sx 65/35 Poz, 200 Sx C1 G	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2", 11.6#					2-7/8"	8847'	
5-1/2", 17#	9362'		450 Sx C1 G				

31. PERFORATION RECORD (Interval, size and number)

Perf'd Entrada 2/spf 9074'-9210'; 272 holes
Perf'd Bluff 2/spf 8860'-8930'; 141 holes
Perf'd Morrison 2/spf 8510'-8782'; 544 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	SEE ATTACHMENT

33. PRODUCTION

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

35. LIST OF ATTACHMENTS

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

SIGNED

R. A. Allred

TITLE Drilling Supervisor

DATE

9-21-92

FARMINGTON RESOURCE AREA

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

NMOC

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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo Kirtland Fruitland Fruitland Coal Pictured Cliffs			Sandstone Sandstone & Shale Sandstone & Shale & Coal Shale & Coal Sandstone			

SAN JUAN 32-8 UNIT #303 SWD

MIRU Drake #26. Drill out to PBTB 9318'. Spot 10% acetic acid from 9210'-9074'. Run GR/CCL/CBL/VDL & perforate Entrada 9074'-9210' w/2 spf, 272 holes. Break down perf's every 5' w/1 bbl 10% acetic acid. Dowell frac'd Entrada w/238 bbls prepad @ 80 BPM & 3390 psi, ISIP 2100 psi & 1400 bbls pad @ 80 BPM, max press 3665 psi. Pumped 300,000 lbs of 20/40 sand w/max concentration of 12 ppg & 4656 psi. ISIP 2109 psi. Flow back for force closure. Set CIPB @ 9000'. Perf'd Bluff from 8860'-8930' w/2 spf, 141 holes. Acidize perf's in 5' intervals w/3 bbls of 7.5% HCl (42 bbls total). Avg press 1700 psi, ISIP 572 psi. Frac'd Bluff w/228 bbls prepad @ 60 BPM & 4413 psi, ISIP 1950 psi and 881 bbls pad @ 60 BPM, max press 3054 psi, pumped 210,000 lbs 20/40 sand w/concentration from 1 ppg to 12 ppg w/max pressure 3104 psi, ISIP 2230 psi. Flow back for force closure. Set CIBP @ 8821'. Perf'd Morrison from 8510'-8782' w/2 spf, 544 holes. Acidize perf's in 5' intervals w/3 bbls of 7.5% HCl, avg treating press 2870 psi, ISIP 1282 psi. Frac'd w/238 bbls prepad @ 80 BPM, 4470 psi, ISIP 2335 and pumped 1842 bbls pad @ 80 BPM, 4042 psi w/concentration from 1 ppg to 12 ppg @ max pressure of 2431 psi. Pumped 343,000 lbs 20/40 sand @ 60 BPM, ISIP 2600 psi, Flow back for force closure. Drill out CIBP & clean out to 9257'. COOH & lay down workstring. RU 4-1/2" gauge ring & RIH to 8450'. RIH w/wireline & set Baker DB pkr w/tailpipe & 1.78" OD PR plug set in "R" nipple. Correlate & set pkr @ 8447' RKB. Test pkr & csg @ 2000 psi 15 minutes, okay. Bleed off pressure and inflow test pkr 15 min, no flow. RD test equipment. RIH w/2-7/8", 6.5#, EUE, N-80 tbg and seal assy. Sting into pkr @ 8847 & test to 5000 psi. Released from pkr & reverse circ. 135 bbls 2% KCl w/10 gal/1000 gal KW-37 corrosion inhibitor- Sting back into pkr & test annulus to 3000 psi 15 min - okay. ND BOP & NU WH and test to 3000 psi. Landed tbg w/18,000# compression. Pull plug from "R" nipple @ 8480'. RD & released rig @ 2130 hrs on 9-11-92.

9-15-92

Dowell & Halliburton performed step rate test & ran spinner survey. Total water injected 1042 bbls. Surveyed from 0.5 - 8 BPM with max surface pressure 3430 psi, 4903 BPH. Test witnessed by Dianna Fairhurst & Charles Gholson of OCD.

RECEIVED
SEP 22 1992
OIL CON. DIV.
DIST. 3

San Juan 32-8 #303 SWD
1762' FNL & 708' FWL
San Juan Co., New Mexico

FORMATION LOG TOPS

The TD was 9370 feet drilled from a surveyed ground elevation of 6637 feet and a KB of 6656 feet on Four Corners Rig #15. The formation tops above the Dakota Ss. are picked off the Neutron log run through casing to the surface. Those formation tops from the Dakota Ss. to TD are from the open hole Dual Induction Log.

FORMATION	DEPTH	ELEVATION(sea level)
San Jose Fm.	Surface	+6637
Ojo Alamo Ss.	2344	+4312
Kirtland Sh.	2446	+4210
Fruitland Fm.	3240	+3416
Fruitland Coal Top	3362	+3294
Fruitland Coal Base	3522	+3134
Pictured Cliffs Ss.	3524	+3132
Lewis Sh.		
Cliff House Ss.	5486	+1170
Menefee Fm.	5532	+1124
Pt. Lookout Ss.	5834	+822
Mancos Sh.	6330	+326
Gallup Ss. Member	6694	-38
Greenhorn Ls. Memb.	7887	-1231
Graneros Sh. Member	7941	-1285
Dakota Ss.	8043	-1387
Morrison Fm.	8268	-1612
Bluff Ss.	8826	-2170
Summerville Fm.	8964	-2308
Todilto Ls.	9061	-2405
Entrada Ss.	9070	-2414
Chinle Fm.	9314	-2658
Total Depth	9370	-2714

RECEIVED
SEPS 41332
OCT 1962