Form 9-330
(Rev. 5-63)

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.

RECEIVED
JUL 26 1983
OIL CON. DIV.
DIST. 3

RECEIVED
JUL 14 1983
U.S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM-33055

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: None

7. UNIT AGREEMENT NAME: None

8. FARM OR LEASE NAME: Trail Canyon

9. WELL NO.: 2

10. FIELD AND POOL, OR WILDCAT: Blanco Mesaverde

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 18, T32N-R8W, NMPM

12. COUNTY OR PARISH: San Juan

13. STATE: N.M.

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: Oxoco Production Corp.

3. ADDRESS OF OPERATOR: P.O. Box 255, Farmington, N.M. 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 1560 ft. fNl, 830 ft. fEl
At top prod. interval reported below: same
At total depth: same

14. PERMIT NO.: 3-9-'83

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
1-23-'81	2-8-'81	7-12-'83	6733' RKB	6720'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
7597'	7597'	2	→	0-7597	-----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 5697' to 6235' Mesaverde formation

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: Ind-Electr., FDC/CNL, TDT/GR, CBL-VDL-CCL on workover

27. WAS WELL CORED: No

28. CASING RECORD (Report all strings set in well) — see attached report

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	40.5	288'	14 3/4"	443 ft³ Class B cem.	None
7 5/8"	24.6	3944'	9 7/8"	160 ft³ 65/35 Pozmix	None
				325 ft³ Class B cem.	
4 1/2"	11.6 & 10.5	7559'	6 3/4"	668 ft³ Class B cem.	None

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"	5983'	None

31. PERFORATION RECORD (Interval, size and number)
(see attached report)
Thirty-four 0.32" jet shots 5697' to 5824', and
Forty 0.32" jet shots 5990' to 6135'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. (attached)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5990-6135'	Acidized w/5000 gal 15% HCl
5990-6135'	Fraced w/ 95,000 gal KCl wtr.
and	72,300# 20/40 sand
5697-5824'	Acidized w/ 2550 gal 15% HCl
	and fraced w/ 60,400 gal. & 63,000# a/a.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
7-12-'83	Flowing	Shut in.

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7-12-'83	3 hrs.	3/4"	→	0	367	0	-----

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
152 psi	355 psi	→	0	2,885	0	-----

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): To be sold to El Paso Natural Gas Co.

TEST WITNESSED BY: J. Alexander

35. LIST OF ATTACHMENTS: Detailed data on cementing, perforating and stimulation; well bore diagram

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

SIGNED: Wm R. Speer TITLE: Agent DATE: 7-13-'83

ACCEPTED FOR RECORD
JUL 25 1983
FARMINGTON RESOURCE AREA

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

NMOCC

R. Bancharan

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.
			Refer to intial completion report dated 5-12-'81

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

U. S. GOVERNMENT PRINTING OFFICE : 1975 O - 574-472

Daily Drilling Summary--Oxoco #2 Trail Canyon Workover

5-29-83 Rigged up Dresser Atlas and ran Cement Bond Log-VDL-CCL logs from 6500' to 3900', correlated to Schlumberger TDT log of 4-6-81. Ran 226 jts. 2 3/8" tbg. in hole open ended to 7253'. Installed well head. Rigged down Well Tech #209 and moved to Rattlesnake Canyon #1.

6-9-'83 Moved Well Tech rig no. 209 on location from #1 Rattlesnake Canyon and rigged up. Installed B.O.P. and attempted to pressure test casing, but rams failed to hold at 2500 psi (volume of leaking consistent with pressure loss). Circulated hole with 1% KCl water. Pulled tubing and found 68 jts. to have interior plastic coating which was peeling off in strips in some cases. All plastic coated tubing was layed down for replacement. Shut down for overnight.

6-10-83 Dresser Atlas perforated Point Lookout Ss. section of Mesaverde Fm. (as correlated to cased hole TDT log) with forty 0.32" jet shots as follows: 5990,-92,-94,-96, 6003, -05,-07,-09,-10,-12,-14,-16,-17,-19,-21,-22,-24,-26,-28, -29,-31,-33,-35,-36,-38,-40,-41,-43,-45,-47; 6097,-99,6101, -03; 6122,-24,-26,-28; 6133,-35. Picked up 4½" Baker full-bore packer and model "C"bridge plug on 2 3/8" tubing. Strapped tubing into hole. Isolated perfs from 6122' to 6135'. Pumped in with water, breaking down at 1250 psi with immediate communication with set of perfs from 6097' to 6130'. Moved packer to 6080' and established pumping rate with water of 7 BPM at 2000 psi; ISIP on vacuum. Acidized perfs 6097' to 6135' with 600 gals. 15% HCl acid containing 20 7/8" RCN ball sealers. Obtained complete ball-off at 2400 psi max. pressure. Isolated perfs from 5990' to 6047'. Established injection rate of 8 BPM at 2500 psi after break down at 1300 psi. Obtained complete ball-off at 2500 psi max. pressure. Pulled tubing with packer and bridge plug.On pulling packer from hole found bridge plug missing. Ran in hole with bridge plug retrieving head and recovered plug.Rigged up Halliburton and pumped 26,000 gal. 1% KCl water with 25 lb. per 1,000 gal. fluid loss additive and 2.5 lb. per 1,000 gal. friction reducer at 58 BPM rate at 2300 psi. Blowout preventer started to leak badly in body between blind and pipe rams. Attempted to tighten with no success. Suspended operations overnight.

6-11-83 Installed new BOP. Rigged up Halliburton and established injection rate of 60 BPM at 2400 psi. Rate began to drop as pressure rose steadily. Pumped 21,210 gal. pad and rate had decreased to 39 BPM at 2500 psi. Shut down and had

6-11-83 (cont'd.) 300 psi ISIP. Rigged down Halliburton. Ran Baker fullbore packer and bridge plug on 2 3/8" tubing. Isolated perfs from 6122' to 6135', unable to load hole as holes taking fluid, pumped into perfs with KCl water at 7.5 BPM rate at 2400 psi. Moved packer up hole and isolated entire perforated interval from 6097' to 6135'. Acidized with 600 gal. 15% HCl acid and fifteen ball sealers. Had pressure increase from 1100 to 1700 psi at 5 BPM, but did not ball off completely, ISIP on vacuum. Isolated perfs from 5990' to 6047' and established pump rate of 7 BPM at 2400 psi. Acidized with 2000 gal. 15% HCl acid and forty-five ball sealers. Obtained complete ball-off at 2400 psi. Pulled tubing with packer and bridge plug out of hole. Rigged up Halliburton, fractured Pt. Lookout perforations from 5990 to 6135' with 95,000 gal. 1% KCl water containing 2.5 lb. per 1000 gal friction reducer and carrying 72,300 lbs. 20-40 sand as follows:

20,000 gal. pad at 50 BPM at 2400 psi.
5,400 gal. with ½ lb/gal. sand at 51 BPM at 2300 psi
69,600 gal. with 1 lb/gal. sand at 51 BPM at 2400 psi
4,000 gal. flush at 52 BPM at 2450 psi.

ISIP 300 psi, decreasing to vacuum in 30 min. Average injection rate 51 BPM at 2400 psi. Total load water=3786 bbls. Opened well to atmosphere and found on vacuum. Left well open over weekend and shut down for Sunday.

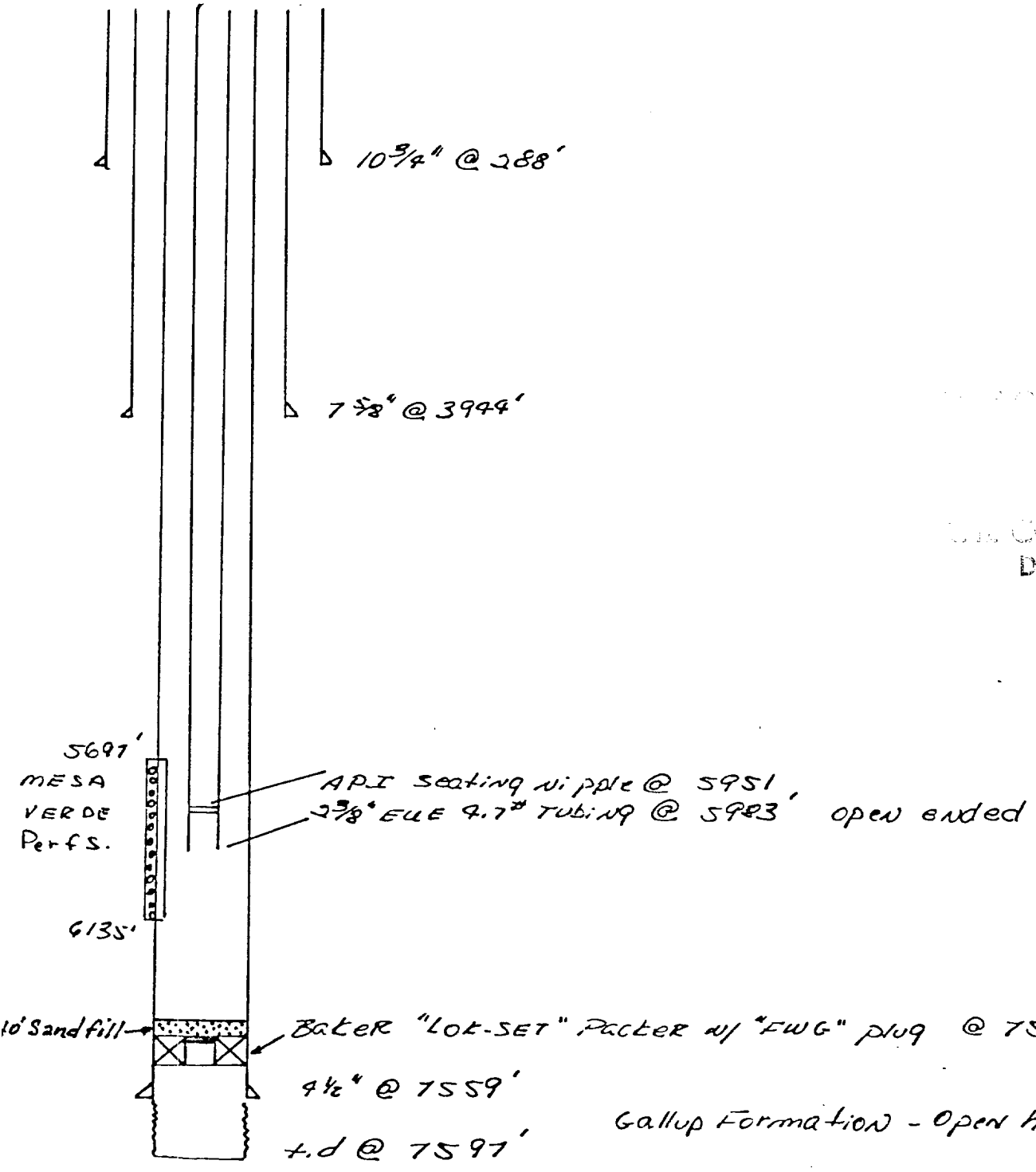
6-12-83 Shut down for Sunday.

6-13-83 Found well dead on arrival at location. Dresser Atlas ran 4¼" wireline-set tubing retrievable Baker bridge plug and set at 5950'. Pressure tested casing to 2500 psi, held O.K. Perforated Cliff House and Menefee sections of Mesaverde with thirty-four 0.32" jet shotss as follows: 5697',-98,-99,5703,-05,-07; 5722,-23,-24,-25,-26; 5756, -57,-58,-59,-60,-61; 5768,-70,-72,-76,-77,-79,-83,-85, -87,-91,-93; 5816',-18,-21,-22,-23,-24.
Ran Baker fullbore packer and model "C" bridge plug on 2 3/8" tubing and isolated perfs from 5816 to 5824'. Broke down with KCl water at 2300 psi and had immediate communication to annulus. Raised packer to isolate perfs from 5756 to 5824'. Acidized with 1450 gal. 15% HCl acid containing 46 ball sealers, obtaining complete ball-off. Isolated perfs 5722 to 5726' and broke down with KCl water at 2300 psi, having instant communication with annulus.Pulled packer up hole and isolated perfs from 5697 to 5726'. Acidized with 1100 gal 15% HCl acid containing 22 ball sealers and obtained complete ball-off. Pulled tubing with packer and bridge plug. Rigged up Halliburton and fractured Cliff House and Menefee perfs from 5697 to 5824' with 60,400 gal. 1% KCl water containing 2.5 lb/1,000 gal. friction reducer and carrying 63,000 lbs. 20-40 sand as follows:

15,000 gal. pad w/25 lb/1,000 gal fluid-loss

7-1-'83

OXOCO PRODUCTION
TRAIL CANYON NO. 2
18-32N-8W SAN JUAN CO., N.M.



Daily Drilling Summary--Oxoco #2 Trail Canyon workover (cont'd.) page 5

6-13-'83 (cont'd.)

additive at 51 BPM at 1,800 psi
21,000 gal. w/ 1 lb/gal 20-40 sand at 51 BPM at 1600 psi
16,300 gal. w/ 2 lb/gal 20-40 sand at 53 BPM at 2400 psi
1,810 gal. flush at 14 BPM at 2500 psi.
Well sanded off. Pressure decreased from 2500 psi to 110 psi in 20 min. Average injection rate 51 BPM at 1600 psi. Load to recover 1,678 bbls.
Opened well to atmosphere 30 min. after treatment was completed with small stream of water returning. Left well open overnight.