

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry
(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

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 ☒ RECOMPLETE

2. NAME OF OPERATOR: Amoco Production Company
Attention: IWAYNE BRANAM

3. ADDRESS AND TELEPHONE NO.
P.O. Box 800, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1100' FSL 1070' FWL UNIT SEC 2

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH: RIO ARRIBA
13. STATE: NEW MEXICO

15. DATE SPUDDED: 8-12-67
16. DATE T.D. REACHED: 8-25-69
17. DATE COMPL. (Ready to prod.): 8-6-82
18. ELEVATIONS (DF, RKB, RT, GR, ETC.): 6671' RKB 6686' 6671'

20. TOTAL DEPTH, MD & TVD: 7219'
21. PLUG, BACK T.D., MD & TVD: 7184'
22. IF MULTIPLE COMPLEMENTS, HOW MANY? 1
23. INTERVALS BY ROTARY TOOLS: YES
CABLE TOOLS: NO

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
5905' - 6125'
SEE ATTACHED GALLUP
25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: INDUCTION ELECTRIC
27. WAS WELL CORED: N

| 28. CASING RECORD (Report all strings set in well) | | | | | |
|--|-----------------|----------------|-----------|------------------------------------|---------------|
| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD | AMOUNT PULLED |
| 8 3/8" | 24 SEE | 392 | 12 1/4" | 250 SX, CIRC. | |
| 4 1/2" | 10.5 | 7219 | 7 7/8" | 1770 SX W/ DOW AT 5042' & 2715' | |
| | | | | 1st 500 SX, 2nd 600 SX, 3rd 650 SX | |

| 29. LINER RECORD | | | | 30. TUBING RECORD | | | |
|------------------|----------|-------------|---------------|-------------------|-------|----------------|-----------------|
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
| | | | | | 2-3/8 | 6728 | |

31. PERFORATION RECORD (Interval, size and number)
SEE ATTACHED 5905-5925
5960-5980 2 SPF
6055-6062
? - 6125
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED

33.* PRODUCTION
DATE FIRST PRODUCTION: PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump): WELL STATUS (Producing or shut-in): SHUT IN
DATE OF TEST: HOURS TESTED: SEE CHOKE SIZE: ATTACHED PROD'N FOR TEST PERIOD: OIL - BBL. GAS - MCF. WATER - BBL. GAS-OIL RATIO
FLOW TUBING PRESS: CASING PRESSURE: CALCULATED 24-HOUR RATE: OIL - BBL. GAS - MCF. WATER - BBL. OIL GRAVITY - API (CORR.)

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

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: IWAYNE BRANAM TITLE: Business Associate DATE: 01-05-1994

*(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

NMOCD

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, (lime tool open, flowing and shut-in pressures, and recoveries):

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|-------------|------|--------|-----------------------------|
| OJO Alamo | 2197 | | Water |
| Kirkland | 2310 | | Shale |
| Fruitland | 2545 | | Coal |
| P C | 2640 | | Sand |
| Lewis | 2907 | | Shale |
| Cliff House | 3995 | | Sand |
| Menefee | 4242 | | Sand |
| Pnt. Lkt. | 4820 | | Sand |
| Mancos | 5194 | | Shale |
| Gallup | 5950 | | Sand |
| Greenhorn | 6800 | | Shale |
| Graneros | 6875 | | Shale |
| Dakota | 6900 | | Sand |

38.

GEOLOGIC MARKERS

| NAME | TOP | |
|------|-------------|------------------|
| | MEAS. DEPTH | TRUE VERT. DEPTH |
| | | |

CASING RECORD

| <u>SIZE & WT</u> | <u>GR</u> | <u>DEPTH</u> | <u>HOLE</u> | <u>CMT</u> |
|----------------------|-----------|--------------|-------------|------------|
| 8-5/8", 24# | K55 | 377' | 12-1/4" | 250SX |
| 4-1/2", 10.5# | K55 | 7219' | 7-7/8" | 1770SX |

PERFS

| | | |
|-------------|-------|------|
| 5905'-5925' | 2JSPF | .38" |
| 5960'-5980' | 2JSPF | .38" |
| 6055'-6062' | 2JSPF | .38" |
| 6055'-6125' | 2JSPF | .38" |

FRAC

SET PKR @ 5804', PRESSURE BACKSIDE TO 1000#, BKN FM DOWN, FM BKN 2600#, ESTABLISH RATE 29 BPM @ 6800#, ISIP 700#, DROP 112 BALL SEALERS, SLIGHT ACTION @ 1900#, REL PKR, LATCH ONTO BP @ 6014', LAND PKR @ 5804', FRAC GALLUP DOWN TBG W/ 90000 GAL & 20 LB GEL 2% KCL WT & 1 GAL SURFACTANT PER 1000 GAL & 127500 LB 20/40 SN, SCREENED OUT 79400 LB SN.

TEST

| | |
|--------|----------------------------------|
| 080682 | 32 BARRELS OF WATER (BW) |
| 080782 | 60 BARRELS OF FLUID (BF) 20% OIL |
| 081082 | 50 BF 5% OIL |
| 081282 | 40 BF 5% OIL |
| 081382 | 40 BF 5% OIL |
| 081482 | 40 BF 5% OIL |

DOCUMENT JGC35C1

070882 MIRUSU, WO TBG. 071182 RU DRESSER ATLAS TO CORRELATE, TIH, TOOL STUCK AT 1699', RD DRESSER, TIH ROLL HOLE FROM 7184', TOH, TIH W/ DRESSER, LOGGING TOOL STUCK, PULL FREE, TOH. 071282 TIH W/ BIT & SCRAPER, WORK TIGHT SPOT AT 1699' & CHASE TO BTM, CIRC, TOH, RU DRESSER, TIH, STUCK AT 1699' & HANG UP, TOH. 071382 TIH W/ BIT & SCRAPER, WORK TIGHT SPOT AT 1699', TOH, TIH W/ DRESSER & LOG 5400' TO 6800', TI X DBP AT 6254', TOH. 071482 PRESS TST CSG TO 1000#, OK, RU DRESSER, PERF 6055'-6125' W/ 2 JSPF .38" DIA., UNABLE TO GET PERF GUN DOWN LAST LOFT, TOH, TIH W/ SCRAPER, RAN CSG UP 1695' TO 1700', TOH. 071582 TIH, UNABLE TO GET DOWN, ROLLED HOLE FOR AN HOUR, TIH PERF 6055'-6062' W/ 2JSPF .38" DIA TOH, TIH W/PKR. 071682 PRESS BACKSIDE TO 400#, BKN FM, FM BKN AT 2200#, ESTABLISH RATE OF 26 BPM AT 6200#, ISIP 1000#, DROP 200 BALL SEALERS & PARTIAL BALL OFF AT 4000# AT 15 BPM & OVER DISPLACED 30 BBLs, TOH W/PKR, ATTEMPT TO RUN JUN BASKET, COULD NOT GO BELOW 1699', RUN BP & EXTRA SINKER BARS, UNABLE TO GO BELOW 1699', TOH. 071782 TIH W/ CSG ROLLER, ROLL TIGHT SPOT 1.5 HRS, TOH, TIH W/BP, UNABLE TO GO BELOW 1699', TOH, TIH W/ RBP SET AT 6015', TOH, RU TO PRF, UNABLE TO GO BELOW 1699', TOH. 071892 TIH W/ CSG SCRAPER, RUN SCRAPER 1.5 HRS, TOH, TIH UNABLE TO GO BELOW 1699', TOH, TIH W/SCRAPER FOR 1.5 HOURS, TOH, TIH STUCK AT 1699', TOH, INSTALL SINKER BAR & PERF GUN, TIH STUCK AT 1699', TOH, INSTALL SLIMHOLE PERF GUN, TO PERF 5905'-5925' & 5960'-5980' W/2 JSPF .38" DIA, TOH. 071982 TIH SET PKR AT 5804', PRESS BACKSIDE TO 1000#, BKN FM DOWN, FM BKN 2600# ESTABLISH RATE 29 BPM AT 6800#, ISIP 700#, DROP 112 BALL SEALERS, SLIGHT ACTION AT 1900#, REL PKR, TIH LATCH ONTO BP AT 6014', TOH. 072082 LAND PKR AT 5804', FRAC GALLUP DOWN 2 7/8" TBG, 90000 GAL & 20 LB GEL 2% KCL WT & 1 GAL SURFACTANT PER 1000 GAL & 127500 LB 20/40 SN, SCREENED OUT 79400 LB SN, SI. 072182 OPEN WELL FLW BACK 5 HRS, WELL LOGGED OFF, SITP 0, REL PKR, TOH. 072282 TOH W/ PKR, TIH W/ BAKER MILL & BLOWING DOWN W/ AIR, CONTINUE IN HOLE, COULD NOT BLOW AROUND, PULL 15 STANDS & BLOW AROUND, CONTINUE IN HOLE, TAG SN AT 5955', PULL 15 STANDS, BLOW AROUND COMPRESSOR & AIR, CONTINUE IN HOLE CO SN. 072382 CO FRAC SN & BP TO 6250', CO SN W/ COMPRESSED AIR. 072482 DRL ON BP, CO SN TO BP, CP 250#, BLEW WELL DOWN, BLEW WELL AROUND W/ AIR, DRL ON BP. 072582 DRL BP, CONT IN HOLE, CO TO 7060', TOH, SICP 550#, BLEW WELL DOWN, BROUGHT AROUND W/ COMPRESSOR, TIH FOUND 25' SN, BLOW WELL & COMPRESSOR. 072682 BLEW WELL W/COMPRESSOR, TOH. 072882 TI W/ DRILLABLE PRODUCTION PKR, SET PKR AT 6957', TOH, SICP 25#, FLW WELL DOWN, TIH W/ TAIL PIPE & OTIS END NIPPLE & SEAL ASSEMBLY & SLIDING SLEEVE ASSEMBLY & BLAST JTS. 072982 SEAL ASSEMBLY AT 6950', TBG LANDED AT 6995', NDBOP, NUWH, PMP OUT TBG PLUG, RDSU 072982, RU B&R SERVICE, SET BLANKING PLUG & END NIPPLE AT 6992', OPEN SLIDING SLEEVE, SI. 080582 RUN BOMB. 080682 RU SWAB UT, SITP 20# & SICP 530#, TAGGED FL AT 4000' FROM SURF, SWB, REC 32BW, FLD STANDING 4300' FROM SURF, TPF 0 & CPF 550. 080782 SITP 20, SICP 580, SWB & TAGGED FLD AT 4200' FROM SURF, SWB, REC 60 BF, 20% OIL, CPF 400# & TPF 0#, SLIGHT BLOW. 080882 SITP 65# & SICP 810#, TPF SMALL BLOW, CPF 380#, SWB, FLW 1 HR, WELL LOGGED OFF, SWB, FLW 5 HRS, MAKING SN & LITTLE FLUID. 081082 SICP 840# & SITP 65#, BLW WELL DOWN, TAG FLD AT 3500' FROM SURF, SWB, WELL FLOWED 1.5 HRS, WELL LOGGED OFF, MADE 1 RUN, WELL FLOWED 45 MIN, RAN SWB EVERY .5 HR, SLOW FLUID ENTRY, EST RECOVERY 50BF, .5% OIL, STILL MAKING SN BACK. 081182 SITP 60#, SICP 600#, OPEN WELL & NO FLOW, RAN SWB & TAG FLD 5600' FROM SURF, SWB. 081282 SITP 150#, SICP 600#, OPEN WELL, NO FLW, TAG FLD 4500' FROM SURF, SWB, FLW 1.5 HR, SWAB WELL LOGGED OFF, SWB, FLOWED .5 HR, REC 40BF, 5% OIL. 081382 SITP 100#, SICP 550#, FL 3000' FROM SURF, OPENED UP BLEW DOWN, MADE 1 RUN, KICKED OFF, FLW 1 HR 45 MIN, SWB, CPF 20#, TPF SMALL BLOW, FL 6500', REC 40BF, 5% OIL. 081482 SITP 100#, SICP 460#, FL 3000' FROM SURF, OPENED UP, BLEW DOWN, MADE 1 RUN, BLEW .5 HR, MADE RUN EVERY 30 MIN, END OF DAY TPF 0#, CPF 60#, REC 40 BF, 5% OIL, FL 6500'. 081582 SITP 90#, SICP 460#, FL 6000' FROM SURF, TPF 0#, CPF 20#, BLEW DOWN.

KILLED, BLEW .5 HR, DIED, MADE 3 RUNS, SWAB, REC 1/2 BBL OF GEL, REL SU, SI.
090182 DAKOTA PUT ON PRODUCTION 090182, GALLUP WO COMMINGLE APPROVAL.

DOCUMENT JCGC35C1