

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.

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla 146 Contract

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla Contract 146

9. WELL NO.

23

10. FIELD AND POOL, OR WILDCAT

Gonzales Mesa

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

**NW/4 NW/4 Section 9,
T-25-N, R-5-W**

12. COUNTY OR PARISH

13. STATE

Rio Arriba**New Mexico**

19. ELEV. CASINGHEAD

6737'

ROTARY TOOLS

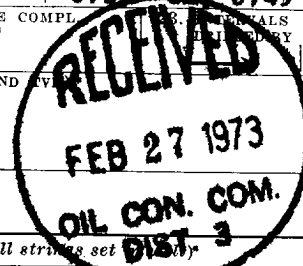
CABLE TOOLS

0-TD**None**

25. WAS DIRECTIONAL SURVEY MADE

No

27. WAS WELL CORED

No

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

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

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

At surface

870' FNL & 790' FNL

At top prod. interval reported below

SameAt total depth **Same**

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

10-25-72

16. DATE T.D. REACHED

11-6-72

17. DATE COMPL. (Ready to prod.)

2-6-73

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

6737' CB**6749' KB**

20. TOTAL DEPTH, MD & TVD

5402'

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

5366'

22. IF MULTIPLE COMPLETIONS, HOW MANY*

None

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

5105-5327' Mesaverde

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES and Gamma Ray Density

28.

CASING RECORD (Report all strings set)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	23#	401'	12-1/4"	350 sx	None
5-1/2"	14#	5402'	7-7/8"	825 sx - 2 stage	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	5310'	None

31. PERFORATION RECORD (Interval, size and number)

5105-10, 5161-66, 5184-92, 5231-36,
5280-88, 5322-27 X 1 SPF
4617-22, 4630-35, 4640-45 X 1 SPF (sq.)
3836-41, 3849-54 X 1 SPF (sq.)

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

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

5105-5327' - Frac x 30,000 lbs. sn.**4617-4645' - Frac x 20,000 lb sn x sq x 200 sx cmt.****3836-3854' - Frac x 20,000 lb sn x sq x 475 sx cmt.**

33.*

PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Flowing

WELL STATUS (Producing or shut-in)

Shut In

DATE OF TEST

HOURS TESTED

CHOKE SIZE

PROD'N. FOR TEST PERIOD

OIL—BBL.

GAS—MCF.

WATER—BBL.

GAS-OIL RATIO

2-6-73**3****0.750"****→**

FLOW. TUBING PRESS.

CASING PRESSURE

CALCULATED 24-HOUR RATE

OIL—BBL.

GAS—MCF.

WATER—BBL.

OIL GRAVITY-API (CORR.)

106 psig**1188 psig****→****1417 (AOF 1500)**

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

TEST WITNESSED BY

T. M. Oliver

35. LIST OF ATTACHMENTS

Two stage cement record

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

Original Signed by

SIGNED

J. ARNOLD SNELL

TITLE

Area Engineer

DATE

February 22, 1973

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

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.

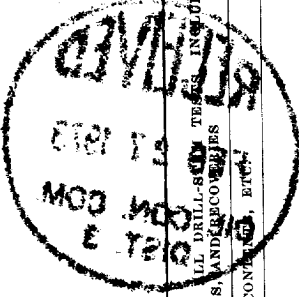
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal 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 RECORDS				28. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENT, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Point Lookout	5098'	5334'	Natural gas	Pictured Cliffs	3001'	
Cliffhouse	4615'	4722'	Water with small amount of gas (sq.)	Lewis	3055'	
Chacra	3835'	3870'	Water with small amount of gas (sq.)	Chacra	3835'	
				Cliffhouse	4615'	
				Manefee	4722'	
				Point Lookout	5098'	
				Mancos	5334'	