

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.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

5. LEASE DESIGNATION AND SERIAL NO.

0523150

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

RECEIVED

2. NAME OF OPERATOR  
**Astec Oil and Gas**

AUG 25 1966

3. ADDRESS OF OPERATOR  
**Drawer 570 Farmington, New Mexico**

U. S. GEOLOGICAL SURVEY

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

**990 FWL & 1650 FWL Sec. 34, T-27N, R-8W**

At top prod. interval reported below  
At total depth

7. LEASE AGREEMENT NAME

8. FARM OR LEASE NAME

**Large Federal**

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

**Blanco Mesquite**

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

**Sec. 35, T-27N, R-8W**

12. COUNTY OF PARISH

**San Juan New Mexico**

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD

20. TOTAL LENGTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

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

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	24#	397	12-1/4	240 ex	
5-1/2	15.5# & 17#	7395	7-7/8	625 ex	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2	5120	7390
					1 1/2	7390	

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5038-5120	68,660 gal H2O
	50,000# 20/40
	30,000# 10/20
	90 balls

33.\* PRODUCTION

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

DATE OF TEST HOURS TESTED CHOKE SIZE PRODUCTION TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW, TUBING PRESS. CASING PRESSURE CEMENTED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

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

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 **Carl E. Jameson** TITLE **District Engineer** DATE **August 24, 1966**

\*(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) and 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		38. GEOLOGIC MARKERS	
FORMATION	TOP	DESCRIPTION, CONTENTS, ETC.	NAME
			MEAS. DEPTH
			TRUE VERT. DEPTH
Fractured CLATSOP	2775		
CLATSOP	4345		
Redish Limestone	5034		
Challis	6040		
Greenhorn	7025		
Greenhorn	7080		
Dakota	7184		

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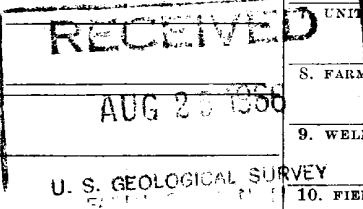
WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

2. NAME OF OPERATOR  
**Astec Oil and Gas**

3. ADDRESS OF OPERATOR  
**Drawer 570 Farmington, New Mexico**



4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **990 FWL & 1650 FWL Sec. 34, T-27N R-8W**  
At top prod. interval reported below  
At total depth

5. LEASE DESIGNATION AND SERIAL NO.  
**# 0523159**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Large Federal**

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT  
**Sec. 34, T-27N, R-8W**

11. SEC., T., R., S., OR BLOCK AND SURVEY OR AREA  
**Sec. 34, T-27N, R-8W**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**New Mexico**

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED **6/25/66** 16. DATE T.D. REACHED **7/13/66** 17. DATE COMPL. (Ready to prod.) **7/22/66** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) **6781 GR** 19. ELEV. CASING OTHER **6782**

20. TOTAL DEPTH, MD & TVD **7305** 21. PLUG, BACK T.D., MD & TVD **7360** 22. IF MULTIPLE COMPL., HOW MANY\* **2** 23. INTERVALS DRILLED BY **ROTARY TOOLS** 24. INTERVALS DRILLED BY **CABLE TOOLS**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**Dakota - 7188 - 7324**

25. WAS DIRECTIONAL SURVEY MADE  
**no**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**Es - Ind and Density**

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
<b>8-5/8"</b>	<b>24#</b>	<b>12-1/4</b>	<b>307</b>	<b>240 sz</b>	
<b>5-1/2"</b>	<b>15.5# &amp; 17#</b>	<b>7-7/8</b>	<b>7305</b>	<b>625 sz</b>	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
<b>1 1/2"</b>	<b>7188</b>	<b>7190</b>

31. PERFORATION RECORD (Interval, size and number)  
**7188-96, 7264-68, 7276-80, 7285-89, 7308-24 4 SHP**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<b>7188-7324</b>	<b>72,912 gal H2O 40,000# 20/40 20,000# 10/20 50 balls</b>

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 **8/2/66** HOURS TESTED **1 hr** CHOKER SIZE **3/16"** TEST PERIOD **Flowing**

OIL—BBL. **1593** GAS—MCF. **1593** WATER—BBL. **1593** WATER/OIL RATIO

FLOWING PRESS. **1123** CASING PRESS. **1123** CALCULATED 24-HOUR RATE **1123**

OIL—BBL. **1593** GAS—MCF. **1593** WATER—BBL. **1593** OIL CORROSION (CORR.)

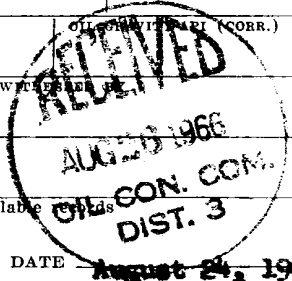
34. POSITION OF GAS (Sold, used for fuel, vented, etc.)  
**vented**

TEST WELL NO.

35. LIST OF ATTACHMENTS  
**vented**

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

SIGNED **Original Signed By Carl E. Jameson** TITLE **District Engineer** DATE **August 24, 1966**



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FORMATION	TOP	DESCRIPTION, CONTENTS, ETC.	NAME
			TOP
			MEAS. DEPTH
			TRUE VERT. DEPTH
Pictured Cliffs	2775		
Cliffhouse	4975		
Point Lambert	5034		
Challup	6010		
Greenhorn	7085		
Greenrod	7080		
Gr			
Robota	7124		