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.

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

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Eskennalwood "A" Gas Com.

9. WELL NO.
1-A

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
25-28N-9

12. COUNTY OR PARISH

13. STATE

14. PERMIT NO. DATE ISSUED

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

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

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

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)

6440-6465 with 4 shots/ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6440-6465	1000 gal 15% acid
	25,000 #20-40 sand and 5,000
	#10-20 sand in 47,334 gal water

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	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 _____ TITLE _____ DATE _____

*(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.)

Eskeenalwood "A" Gas Com. No. 1-J 25-28N-9

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.
Stimulation Record			
4 1/2" Casing set at 6680. Spotted 500 gal acid and displaced hole with water containing 0.8% Kcl and 2½ lbs FR-2 per 1000 gal. Perforated 6594-6612 with 2 shots/ft. Pumped in acid at 11 Bbls/min at 3500 Psi. Pumped 1000 Bbls acid down casing. Pressure broke from 3425-3100 when acid hit formation. Sand-Water hydrafraced with 16,170 gal water treated as above, and sanded off with 12,000 lbs 20-40 sand in formation. Average injection Rate 35 Bbls/Min at 3700-3200 psi. Bled back 25 min but unable to flush. Cleaned out to 6638. Spotted 1000 gal 15% acid. Reperforated 6594-6612 with 2 shots/ft. Pumped 1500 gal 15% acid with 80 ball sealers. Max inj pressure 4000 psi. Min 3000 psi. Average injection rate 4.7 Bbls/Min. Flushed at 3700 to 3000 psi. cleaned out to 6638. Flowed for 3 hours at 900 MCF/D on 3/4" choke with tubing pressure Flowing 75 psi, and casing pressure flowing 475 psi. Killed well with 75 Bbls water treated with .8% Kcl with 2 lbs FR-2 per 1000 gal. Cleaned out to 6638. Spotted 1000 gal 7½% acid. Set Bridge Plug 6575. Perforated 6544-56 and 6522-32 with 4 shots/ft. Sand water hydrafraced with 11,340 gal water containing 0.8% Kcl and 2½ lbs FR-2 per 1000 gal, and 8,800 #20-40 sand. Sanded off with 4500 lbs sand in formation. Breakdown pressure 2100 psi. Treating pressure 3500 psi. Average injection rate 28 Bbls/Min. Spotted 1000 gal 15% acid. Set bridge plug at 6500. Perforated 6440-6465 with 4 shots/ft. Spotted 1000 gal 15% acid. Sand-Water hydrafraced with 47,334 gal water with .8% Kcl and 2½ lbs FR-2 per 1000 gal, and 25,000 #20-40 sand plus 5000 #10-20 sand, Breakdown pressure 1900 psi. Treating pressure 2800 psi. Average injection rate 42 Bbls/Min. Cleaned out to 6638. Flowed Well per section 33 of this report.			

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Log Tops		
Mesa Verde	3715	
Mancos	4330	
Greenhorn	6265	
Crenerous SH	6338	
Crenerous Dakota	6368	
Main Dakota	6440	
Total Depth	6680	

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No DST's taken on this well.