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*

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-603-65

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribal

7. UNIT AGREEMENT NAME:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

8. FARM OR LEASE NAME: Navajo "U"

2. NAME OF OPERATOR: Energy Reserves Group, Inc.

9. WELL NO.: 7

3. ADDRESS OF OPERATOR: P.O. Box 3280 - Casper, Wyoming 82602

10. FIELD AND POOL, OR WILDCAT: Horseshoe-Gallup

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface 990' FNL & 2,310' FWL (NE/NW)
At top prod. interval reported below
At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 5-T31N-R17W

RECEIVED
MAY 28 1982
GEOLOGICAL SURVEY
FARMINGTON, N. M.

14. PERMIT NO. — DATE ISSUED

12. COUNTY OR PARISH: San Juan

13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
4-27-82	~~5-1-82~~ 4/28/82	5-21-82	G.L. 5,333', K.B. 5,338'	----------

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
1,210' K.B.	1,183' K.B.	NA	→	0 to TD	--------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Dry Hole P & A

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Density & Neutron Borehole Compensated, Gamma Ray Induction Logs

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
7" O.D.	23#	127' KB	9-7/8"	55 sx 'B' w/3% $CaCl_2$ & 1/4# Flocele/sx	-0-
4-1/2" O.D.	9.5 & 10.5#	1,206' KB	6-1/4"	200 sx 50-50 Pozmix w/2% Gel, 1/4# Flocele/sx & 0.5% CFR-2	-0-

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*)
1,114'-1,124' w/2 JSPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1,114'-1,124'	BD w/500 gals 7½% HCl w/add. Attempted to frac w/75% Quality Foam but sanded off. CO & frac'd w/16,750 gals 75% Quality Foam

(OVER)

33.* PRODUCTION

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

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
Sample Descriptions Attached

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

SIGNED [signature] TITLE Prod. Tech - RMD DATE 5-24-82

ACCEPTED FOR RECORD
1982

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

NMOCC

FARMINGTON DISTRICT
BY

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.
			Sample Description Attached. Continued from front page: Frac'd - w/24,000 lbs 10-20 sand. No Hydrocarbon recovery after flowing back. Spotted 16 sx Class "B" @ 1,151'-950' & 8 sx Class "B" @ 108' to surface.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
LOG TOPS		
Mancos	surface	
Gallup	1,018'	
Horseshoe Gallup	1,113'	
Sanostee	1,162'	
TD Logger	1,206'	
TD Driller	1,210'	

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SAMPLE DESCRIPTION

200 - 300	20% Ss: gry-brn, vfn-g, sbang, calc, vy shly, sme clayey, firm, tite, N-S
	80% Sh: dk gry-gry, blky, calc in part, slty in part, firm
300 - 620	100% Sh: dk gry, blky, calc, slty in part, firm
620 - 30	90% Sh: AA
	10% Clystn: lt gry, soft, stable
30 - 50	20% Ss: gry, fg, sbang, sl calc, vy shly & cly fld, soft, tite, N-S
	80% Sh: gry, clayey, sme slty, blky, firm
650 - 740	100% Sh: dk gry, slty-sndy, blky, calc
	Trace inoceramus prisms
740 - 770	20% Ss: lt gry, vfn-g, sbang, calc, vy shly, firm, tite, N-S
	80% Sh: AA
70 - 80	100% Sh: AA
	Tr. Ss: AA
80 - 90	10% Ss: AA
	90% Sh: AA
790 - 900	100% Sh: vy dk gry, blky, calc, firm, w/trace inoceramus
	Trace Ss: AA
900 - 40	100% Sh: vy dk gry, blky, sl calc, soft, sme Ls partings
940 - 1020	20% Ss: gry, fg, calc, shly, hard, poss sl porosity, N-S
	80% Sh: AA
1020 - 30	100% Sh: AA, w/Tr. Ss: AA
30 - 60	30% Ss: AA, sme laminated, blu fluor w/trace cut after crushing
	70% Sh: AA
60 - 90	10% Ss: gry-clr, mg, sbang, lse, porous, blu fluor w/trace cut
	80% Sh: AA
	10% Clystn: wht, soft, stable, w/sme blk mafic incl.
1090 - 1110	60% Sh: AA
	40% Clystn: AA
1110 - 20	30% Ss: clr-smoky, vy cg, sbang-ang, qtz & chert grns, calc, w/fg qtz matrix, sl por-por, bright yel fluor w/good cut
	50% Sh: gry, plty-blky, calc, firm
	20% Clystn: wht, soft, plty in part, stable
20 - 40	30% Ss: clr, mg, sbang, calc, clean, fri, sme lse, porous, bright yel fluor w/good cut
	40% Sh: AA
	30% Clystn: AA
40 - 50	70% Sh: AA
	30% Clystn: AA
	Tr. Ss: AA, w/show AA
50 - 60	10% Ss: AA, w/show AA
	70% Sh: AA
	20% Clystn: wht-grn, soft, stable
60 - 70	10% Ls: brn, nodular, firm, poss sl por, some w/bright yel fluor w/fair cut
	50% Sh: AA
	40% Clystn: AA

1170 - 1200 20% Sh: AA
80% Clystn: AA, sme swelling
Tr. Ls: AA

1200 - 10 10% Ss: gry-brn, vfn-g, sbrnd, shly, calc, firm, poss. sl por, sme w/bright yel fluor & wk cut
90% Sh: AA

TD 1210'