

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions 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 _____				5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-2085	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal	
2. NAME OF OPERATOR Energy Reserves Group, Inc.				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 3280, Casper, Wyoming 82602				8. FARM OR LEASE NAME Old Trading Post	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2,130' FNL, 660' FEL (SE/NE) At top prod. interval reported below At total depth				9. WELL NO. 5	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Bisti Lower Gallup	
15. DATE SPUDDED 10-10-79 16. DATE T.D. REACHED 10-24-79 17. DATE COMPL. (Ready to prod.) 10-26-79 P & A 18. ELEVATIONS (DF. RKB, RT. GR, ETC.)* GRD 6040' KB 6054' 19. ELEV. CASINGHEAD -----				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 9-T26N-R14W	
20. TOTAL DEPTH, MD & TVD 5,000' 21. PLUG, BACK T.D., MD & TVD NA 22. IF MULTIPLE COMPL., HOW MANY* NA 23. INTERVALS DRILLED BY 0-TD				12. COUNTY OR PARISH San Juan	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NA				13. STATE New Mexico	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction - SEI; Comp. Neutron - Form 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
8-5/8"	24#	520'	12-1/4"	350 sks "B" + 2% CaCl ₂	-0-
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
		None			
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
	None				
31. PERFORATION RECORD (Interval, size and number) None					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
None					
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.
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
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 <u>Alan B. Barner</u>		TITLE <u>Dist. Prod Engr - RMD</u>		DATE <u>11-12-79</u>	

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

NMCC

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 33.

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 TEST, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAN. DEPTH	TRUE VERT. DEPTH
			See Attached	Log Tops		
				Fruitland	883'	
				Pictured Cliffs	1,169'	
				Lewis	1,319'	
				Cliff House	2,016'	
				Menefee	2,400'	
				Point Lookout	3,620'	
				Mancos	3,775'	
				Gallup	4,675'	
				Lower Mancos	4,957'	
				TD Driller	5,000'	
				Logger	5,007'	

OLD TRADING Post #5

SAMPLE DESCRIPTION

520 - 50 20% Ss: wht, m-g, sbang, mod clay fld, fair por, calc.
80% Sh: gry-brn, soft, fri, clayey-sl silty, some carb.

50 - 80 20% Ss: AA, fn-m-g, sbrnd
80% Sh: gry, soft, clayey

80 - 610 10% Ss: AA
90% Sh: brn, soft, clayey, sl swelling

610 - 40 100% Sh: gry-brn, soft, clayey

40 - 70 100% Sh: AA, some drk gry and carb.

70 - 700 40% Ss: wht, fn-m-g, sbang, mod clay fld, calc, fair por.
60% Sh: gry, soft, clayey, some waxy

700 - 30 20% Ss: AA
80% Sh: AA

30 - 90 10% Ss: AA
90% Sh: AA

790 - 820 N.S.

820 - 50 10% Ss: wht, fn-g, sbang, mod clay fld, fair por., calc.
90% Sh: AA

850 - 970 100% Sh: lt gry, soft, fri, clayey, w/carb. incl.

970 - 1000 100% Sh: gry, soft, fri, carb. incl., some silty

1000 - 90 100% Sh: lt gry, soft, clayey, w/carb. incl.

1090 - 1120 80% Sh: AA, some silty
20% Coal: blk, vit.

1120 - 50 70% Sh: AA
30% Coal: AA

50 - 80 20% Sh: AA
80% Coal: blk, vit.

1180 - 1210 60% Ss: wht, m-g, sbrnd, mod clay fld, fair por., sl arkosic,
sl glauc.
10% Sh: AA
30% Coal: AA

1210 - 40 30% Ss: AA, fn-g
70% Sh: lt gry, soft, fri, sl silty, w/carb. incl.

40 - 70 50% Ss: AA
50% Sh: AA

1270 - 1300 30% Ss: AA, sl shaly
 60% Sh: AA, silty
 10% Coal: blk, vit.

1300 - 30 20% Ss: AA
 80% Sh: AA, vy silty, w/carb. incl.

1330 - 1420 100% Sh: AA

1420 - 80 100% Sh: gry, firm, fri, silty, w/occ. carb. incl.

1480 - 1570 N.S.

1570 - 80 10% Ss: wht, fn-g, sbrnd, mod clay fld, fair por., sl glauc.
 80% Sh: gry, soft, clayey, w/carb. incl.
 10% Coal: blk, vit.

80 - 90 70% Sh: AA
 30% Coal: AA
 Tr. Ss: AA

90 - 1600 60% Sh: AA
 40% Coal: AA

1600 - 10 90% Sh: gry, soft, fri, clayey
 10% Coal: AA

10 - 50 90% Sh: AA, some silty, some drk gry and carb.
 10% Coal: AA

50 - 60 100% Sh: AA
 Tr. Coal: AA

60 - 1700 100% Sh: gry, soft, clayey, some silty w/carb. incl.
 Tr. Coal: AA

1700 - 20 100% Sh: gry, soft, fri, sl clayey, some drk gry and carb,
 sl calc.

20 - 80 100% Sh: AA, sl silty-sl clayey, w/occ. carb. incl.

80 - 1810 N.S.

1810 - 30 100% Sh: gry, soft, fri, clayey, some waxy

30 - 50 N.S.

50 - 70 100% Sh: AA, 50% drk gry-blk, firm, coaly

70 - 90 100% Sh: gry, soft, fri, clayey, occ. carb. incl., sl calc,
 some drk gry and coaly

90 - 1910 N.S.

1910 - 20 90% Sh: AA, sl silty
10% Coal: blk, vit.

20 - 30 100% Sh: AA

30 - 60 100% Sh: AA
Tr. Coal: AA

60 - 70 10% Ss: wht, fn-g, sbrnd, calc, sl clay fld, good por, w/occ.
carb. incl.
80% Sh: AA
10% Coal: AA, sl shaly

70 - 2000 10% Ss: AA, mod clay fld, fair por.
90% Sh: AA

2000 - 10 20% Ss: clr wht, m-g, sbrnd, sl clay fld, good por.
80% Sh: AA

10 - 20 20% Ss: clr gry, fn-g, sbrnd, sl-mod clay fld, fair por.
80% Sh: AA

20 - 30 100% Sh: gry-drk gry, soft, fri-fiss., clayey, some carb.

30 - 40 10% Ss: gry, fn-g, sbrnd, sl clay fld, good por.
90% Sh: AA

40 - 50 20% Ss: AA
80% Sh: AA

50 - 2100 N.S.

2100 - 10 30% Ss: clr gry, fn-g, sbrnd, mod clay fld, fair por, calc.
60% Sh: AA
10% Coal: blk, vit.

10 - 20 10% Ss: AA
90% Sh: AA

20 - 30 90% Sh: gry-brn, soft, clayey, sl calc, w/carb. incl.
10% Coal: blk, vit.

30 - 2200 90% Sh: AA, gry
10% Coal: AA

2200 - 2450 N.S.

2450 - 60 20% Ss: clr gry-wht, vfn-fn-g, sbrnd, sl-mod clay fld, fair-good
por., calc, w/occ. carb. incl.
70% Sh: lt gry-gry, soft, fri, clayey, sl calc.
10% Coal: blk, vit, sl shaly

60 - 70 40% Ss: clr-gry, fn-g, sbrnd, sl clay fld, good por.,
w/occ. carb. incl.
50% Sh: AA
10% Coal: blk, vit.

2470 - 80 N.S.

80 - 2500 30% Ss: AA, sl glauc, some wht, mod clay fld, w/fair por., calc.
60% Sh: AA
10% Coal: AA

2500 - 20 10% Ss: wht, fn-m-g, sbrnd, mod clay fld, fair por, calc.
80% Sh: gry, soft, fri, clayey, sl calc, w/carb. incl.
10% Clystn: gry, soft, waxy, sl swelling
Tr. Coal: AA

20 - 30 20% Ss: AA
60% Sh: AA
20% Clystn: AA
Tr. Coal: AA

30 - 50 N.S.

50 - 60 100% Sh: gry-brn, soft-firm, sl calc, sl silty, w/carb. incl.
Tr. Coal: AA

60 - 80 100% Sh: AA, silty
Tr. Coal: AA

80 - 90 90% Sh: AA
10% Clystn: wht, soft, sl swelling

90 - 2600 20% Ss: wht-gry, fn-g, sbrnd, clay fld, tite, calc.
80% Sh: AA
Tr. Coal: blk, vit.

2600 - 10 10% Ss: clr gry, m-g, sbrnd, sl clay fld, good por, calc.
90% Sh: AA
Tr. Coal: AA

10 - 20 100% Sh: gry-brn, soft, fri, clayey-sl silty, w/occ. carb. incl.
Tr. Coal: AA

20 - 50 30% Ss: clr gry, m-g, sbrnd, sl clay fld, good por, sl glauc, calc.
70% Sh: AA, clayey-silty
Tr. Coal: AA

50 - 70 20% Ss: AA
80% Sh: AA
Tr. Coal: AA

70 - 80 30% Ss: AA, sl - mod clay fld, fair-good por.
70% Sh: AA
Tr. Coal: AA

80 - 90 20% Ss: AA, sl arkosic, fn-m-g
80% Sh: AA, clayey
Tr. Coal: AA

90 - 2700 30% Ss: AA, sl-mod clay fld, fair-good por.
70% Sh: AA

2700 - 80 10% Ss: AA
90% Sh: AA
Tr. Coal: AA

80 - 2800 20% Ss: AA
80% Sh: AA
Tr. Coal: AA

2800 - 2900 N.S.

2900 - 40 10% Ss: wht, fn-g, sbang, clay fld, tite
90% Sh: gry, soft, fri, clayey, some carb. and drk gry

40 - 3000 N.S.

3000 - 20 10% Ss: wht, fn-vfn-g, sbrnd, clay fld, tite, calc.
90% Sh: gry, soft, fri, clayey-silty, some coaly

20 - 30 30% Ss: clr wht-clr gry, fn-g, sbrnd, sl-mod clay fld, fair
por, calc, w/carb. incl.
70% Sh: AA

30 - 40 30% Ss: AA, sl clay fld, fair por.
70% Sh: AA

40 - 50 20% Ss: AA
80% Sh: AA

50 - 70 10% Ss: AA, sl glauc.
90% Sh: AA

70 - 80 100% Sh: gry, soft, fri, clayey, sl calc, w/carb. incl.

80 - 90 100% Sh: AA
Tr. Coal: blk, vit.

90 - 3100 100% Sh: AA, sl silty

3100 - 20 10% Ss: wht, fn-m-g, sbrnd, clay fld, tite, calc.
90% Sh: AA, less silty
Tr. Coal: blk, vit.

20 - 60 100% Sh: AA

60 - 3380 N.S.

3380 - 3400 100% Sh: gry, soft, fri, clayey-sl silty, w/carb. incl., calc.

3400 - 20 100% Sh: AA, silty

20 - 30 100% Sh: gry-drk gry, soft, fiss, clayey-silty, some carb,
w/occ. carb. incl.

30 - 40 10% Ss: clr wht, fn-g, sbang, sl clay fld, good por, w/occ.
carb. incl.
90% Sh: AA
Tr. Coal: AA

3440 - 50 10% Ss: AA, vfn-fn-g, clay fld, tite
90% Sh: AA, less carb.
Tr. Coal: AA

50 - 60 90% Sh: gry-lt gry, soft-firm, fiss, clayey-silty, w/occ.
carb. incl., sl calc.
10% Coal: blk, vit.

60 - 80 100% Sh: AA, some drk gry and carb.
Tr. Coal: AA

80 - 3500 10% Ss: wht, fn-g, sbang, mod clay fld, fair por.
90% Sh: AA
Tr. Coal: AA

3500 - 10 100% Sh: AA, less silty, some waxy
Tr. Coal: AA

10 - 20 100% Sh: lt gry-gry-brn, firm, fiss, clayey-silty, w/carb.
incl., sl calc.
Tr. Coal: AA

20 - 40 10% Ss: wht, m-g, sbang, sl clay fld, good por, calc, w/occ.
carb. incl., sl glauc.
90% Sh: AA
Tr. Coal: AA

40 - 50 100% Sh: AA
Tr. Coal: AA

50 - 60 20% Ss: wht, m-g, sbrnd, mod clay fld, fair por, calc.
80% Sh: AA
Tr. Coal: AA

60 - 70 30% Ss: AA
50% Sh: AA, silty
20% Coal: blk, vit.

70 - 80 60% Sh: lt gry-gry-brn, soft, fiss, clayey, w/carb. incl.
40% Coal: blk, vit.

80 - 3610 90% Sh: AA, sl silty
10% Coal: AA

3610 - 20 80% Sh: AA
20% Coal: AA

20 - 30 20% Ss: clr wht, fn-m-g, sbrnd, sl clay fld-clean, good por,
w/occ. carb. incl., calc, sl glauc.
70% Sh: AA
10% Coal: AA

30 - 50 30% Ss: AA, m-g
60% Sh: gry-brn, soft, fiss, sl calc, clayey, w/carb. incl.
10% Coal: AA

3650 - 60 30% Ss: AA, clr gry
60% Sh: AA
10% Coal: AA

60 - 80 20% Ss: AA
60% Sh: AA
20% Coal: AA

80 - 90 60% Ss: wht, fn-g, sbrnd, mod clay fld, fair por, calc, sl glauc,
w/occ. carb. incl.
20% Sh: AA
20% Coal: AA

90 - 3710 40% Ss: AA
40% Sh: AA
20% Coal: AA

3710 - 20 20% Ss: AA, clay fld, tite
70% Sh: AA
10% Coal: AA

20 - 50 10% Ss: AA
90% Sh: AA
Tr. Coal: AA

50 - 90 70% Ss: wht, fn-g, sbrnd, sl-mod clay fld, good por,
sl glauc, calc.
30% Sh: gry, soft, fiss, clayey, w/carb. incl.
Tr. Coal: AA

90 - 3810 50% Ss: AA, gry, mod clay fld, fair por.
50% Sh: gry, soft, fiss, clayey, sl calc, sl micromicaceous,
some waxy, some w/occ. carb. incl.
Tr. Coal: AA

3810 - 20 70% Ss: wht, fn-g, sbrnd, mod clay fld, fair por-good por,
sl glauc, w/carb. incl.
30% Sh: AA
Tr. Coal: AA

20 - 40 50% Ss: AA
50% Sh: AA
Tr. Coal: AA

40 - 50 N.S.

50 - 60 100% Sh: gry-drk gry, soft, fiss, clayey, w/carb. incl.,
some carb.

60 - 90 100% Sh: AA, silty-clayey, less carb.

90 - 3920 100% Sh: gry, soft-firm, sl silty-clayey, sl carb, sl calc.

3920 - 40 100% Sh: AA, silty

40 - 70 100% Sh: AA, less silty

3970 - 80 100% Sh: AA, silty
Tr. Ss: wht, m-g, sbrnd, sl clay fld, good por, sl arkosic,
w/occ. carb. incl.

80 - 4010 100% Sh: AA

4010 - 40 100% Sh: AA, silty-sl sandy

4040 - 4370 N.S.

4370 - 80 100% Sh: gry-drk gry, soft, fri, clayey

80 - 90 100% Sh: lt gry-gry-drk gry, soft-firm, fri, silty, w/occ.
carb. incl.

90 - 4420 100% Sh: AA, less silty, sl carb.

4420 - 30 100% Sh: lt gry-gry, firm, fri, silty, w/carb. incl.

30 - 50 100% Sh: AA, some drk gry, carb, less silty

50 - 90 100% Sh: gry-drk gry, soft, fri, clayey-sl silty, some carb.

90 - 4510 100% Sh: gry, soft, fri, clayey, w/occ. carb. incl.

4510 - 20 100% Sh: clayey-silty

20 - 50 N.S.

50 - 60 30% Ss: wht, vfn-g, sbang, mod clay fld, fair-poor por,
calc, N-S
70% Sh: gry, soft, fri.

60 - 70 30% Ss: AA, sl shaly, N-S
70% Sh: gry-drk gry, firm, fri, sl calc, silty, sl carb.

70 - 4700 100% Sh: AA, less silty

4700 - 10 100% Sh: AA
Tr. Ss: clr gry, fn-g, sbang, sl clay fld, good por, calc, N-S

10 - 20 100% Sh: AA
Tr. Ss: AA, sl arkosic, w/carb. incl., N-S

20 - 30 N.S.

30 - 40 100% Sh: AA, silty

40 - 50 10% Ss: clr gry, vfn-g, sbang, clean, calc, hard & tite,
faint yel fluor w/wk cut
90% Sh: AA

50 - 60 30% Ss: AA, clr gry-wht, faint - dull yel fluor w/wk cut
70% Sh: AA

4760 - 70 30% Ss: AA
70% Sh: gry-drk gry, soft, fri, silty-clayey, w/occ. carb. incl., sl calc.

70 - 80 20% Ss: gry, vfn-fn-g, sbang, sl shaly, hard, tite, faint yel fluor w/wk - no vis. cut
30% Sh: AA

80 - 90 20% Ss: clr-wht, fn-g, sbang, sl clay fld, hard, tite, faint yel fluor w/wk cut
80% Sh: AA

90 - 4800 20% Ss: clr gry-wht, fn-g, sbang, sl clay fld, hard, tite, faint yel fluor w/wk to no vis. cut
80% Sh: AA

4800 - 10 N.S.

10 - 20 30% Ss: clr-gry, m-g, sbang, fairly clean, some sl porous, some vy porous, yel fluor w/bright yel. streaming cut
70% Sh: AA

20 - 30 10% Ss: clr, m-g, ang, clean, hard, sl por, yel fluor w/bright, yel strmg cut
90% Sh: AA

30 - 40 20% Ss: clr, m-g, ang, clear, hard, brittle, fri, stained bright yel fluor w/bright yel. strmg cut
80% Sh: AA

40 - 50 10% Ss: AA, bright yel fluor w/bright yel strmg cut
80% Sh: AA
10% Chert: clr-lt gry
Tr. Pyrite

50 - 60 10% Ss: AA
80% Sh: AA
10% Chert: lt gry-clr

60 - 70 30% Ss: clr, fn-g, sbang-sbrnd, hard, tite, faint yel fluor w/fair cut
70% Sh: gry-lt gry, soft, clayey
Tr. Inoceramus frags.

70 - 90 10% Ss: AA
90% Sh: AA

90 - 4920 N.S.

4920 - 30 20% Ss: clr, fn-g, sbrnd, hard, tite, faint yel fluor w/fair cut
80% Sh: med gry-lt gry-grn, soft, clayey

30 - 60 10% Ss: clr, fn-g, hard, rndd, tite, some sl porous, some no fluor, some yel fluor w/fair to good cut
90% Sh: AA