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.: I-149-Ind 8478

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

7. UNIT AGREEMENT NAME: Gallegos Canyon Unit

8. FARM OR LEASE NAME:

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

9. WELL NO.: 282

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

10. FIELD AND POOL, OR WILDCAT: Kutz Pictured Cliffs, West

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements.**)
At surface: 1700' FSL, 1590' FEL (NW SE)
At top prod. interval reported below
At total depth

RECEIVED
OCT 18 1979
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 31-T28N-R12W

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
8-29-79	9-3-79	9-29-79	GRD 5645' KB 5655'	---------

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
1530'	1468'	----------	→	0-TD	---------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 1266'-72'; 1300'-16'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Induction - SFL; 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"	36#	127' KB	12-1/4"	110 sks "B" + 2% $CaCl_2$ + 1/4#/sk Flocele	-0-
4-1/2"	10.79#	1529' KB	6-3/4"	50 sks 65-35 Poz-Tail In w/175 sks 50-50 Poz *	-0-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
	None			

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	1304' KB	None

31. PERFORATION RECORD (*Interval, size and number*)
1266'-72' w/4 JSPF
1300'-16' w/1 JSPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1300' - 16'	24,000 gals 70% quality foam + 40,000# 10-20 SD @ 2 PPG

33.* PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-29-79	24	3/4"		-0-	124	52	NA

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
100 psi	180 psi		-0-	124	52	NA

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Vented during test

TEST WITNESSED BY: T.C. Durham

35. LIST OF ATTACHMENTS: Sample Description

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

SIGNED Mary B. Barnes TITLE District Production Engineer RMD DATE 10-15-79

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

NMOCC

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.
			SEE ATTACHED * 4-1/2" csg cmt'd to surface

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
	LOG TOPS	
Nacimiento	Surface	
OJO Alamo	Est. 30'	
Kirtland	135'	
Fruitland	929'	
Pictured Cliffs	1,267'	
Lewis	1,530'	
TD Driller	1,530'	
Logger	1,535'	

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GPO 680-378

GCU-PC #282

SAMPLE DESCRIPTION

180 - 90	70% Sh: lt gry-gry, firm, vy slty, some carb. 30% Ss: wht, fn-g, sbrnd, clay fld, tite
90 - 210	100% Sh: AA
210 - 40	100% Sh: AA, lt gry, no carb.
40 - 50	10% Ss: wht, fn-g, clay fld, sbang. 90% Sh: AA
50 - 60	100% Sh: AA Tr. Ss: AA
60 - 70	100% Sh: AA
70 - 90	30% Ss: wht, m-g, sbang, clay fld 70% Sh: AA, vy slty-sl sandy
90 - 300	10% Ss: AA 90% Sh: AA
300 - 10	30% Ss: wht, m-g, sbrnd, hvy clay fill, sl arkosic, w/ccc. carb. incl. 70% Sh: AA, sl lignitic
10 - 20	50% Ss: AA 50% Sh: AA
20 - 30	10% Ss: AA 90% Sh: AA
30 - 50	100% Sh: AA
50 - 70	No Sample
70 - 80	30% Ss: gry, fn-g, sbrnd, shaly, tite 70% Sh: AA
80 - 400	100% Sh:AA
400 - 30	N.S.
30 - 40	100% Sh: AA
40 - 60	20% Ss: wht, m-g, sbrnd, vy clay fld, no porosity 80% Sh: AA
60 - 80	70% Ss: wht, m-g, sbrnd, mod clay fill, sl arkosic, w/occ. carb. incl. 30% Sh: AA, less slty

480 - 90 80% Sh: drk gry, soft, clayey, sl. carb.
10% Clystn: bl gry, soft, waxy
10% Coal: blk, vit.

90 - 500 30% Ss: clr gry, sbrnd, sl clay fld, fair porosity, w/occ. carb. incl.
70% Sh: gry, soft, clayey-silty, sl. lignitic

500 - 10 100% Sh: AA, lt gry, vy silty

10 - 20 20% Ss: wht, fn-g, sbrnd, mod clay fill, sl arkosic, w/occ. carb. incl.
80% Sh: gry-brn, firm, silty-sandy, w/occ. carb. incl.

20 - 30 100% Sh: lt gry, firm, sl clayey-silty

30 - 50 50% Ss: wht, fn-g, sbrnd, sl clay fld, sl arkosic, w/occ. carb. incl.
50% Sh: AA

550 - 720 No Samples

720 - 40 10% Chert: clr, crs-g, sbrnd
90% Sh: lt gry, soft, clayey-sl silty

40 - 50 N.S.

50 - 70 100% Sh: bl gry, soft, sl silty
Tr. Chert: translucent brn, crs-g, sbrnd.

70 - 90 N. S.

90 - 800 100% Sh: AA, silty-sl sandy, w/carb. incl.
Tr. Chert: clr, crs-g, sbang.

800 - 20 N.S.

20 - 30 100% Sh: drk gry, soft, some vy clayey
Tr. Chert: translucent, brn, crs-g, sbrnd.

30 - 40 10% Ss: wht, m-g, sbang, mod clay fld, w/occ. carb. incl.
90% Sh: gry, soft, clayey

40 - 50 90% Sh: AA
10% Chert: translucent, brn, crs-g, sbrnd.

50 - 60 20% Ss: wht, fn-m-g, sbrnd, clay fld, w/occ. carb. incl.
80% Sh: bl gry, soft-firm, clayey - sl silty, sl lignitic
Tr. Chert: clr, crs-g, sbang

60 - 80 100% Sh: gry, soft, vy clayey, w/carb. incl.

80 - 90 N.S.

90 - 900 30% Sh: AA
70% Clystn: wht, vy soft, falls apart in water

900 - 10 100% Sh: gry, soft, clayey, some waxy
Tr. Chert: clr, crs-g, ang.

10 - 20 N.S.

20 - 30 90% Sh: lt brn, vy soft, clayey, w/carb. incl.
10% Coal: blk, shaly, dull

930 - 1000 N.S.

1000 - 20 70% Ss: wht, vfn-g, sbrnd, vy clay fld, w/occ. carb. incl.
30% Sh: bl gry, soft, clayey, some dk gry & carb. & firm

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

50 - 60 70% Ss: AA
30% Sh: AA

60 - 1110 50% Clystn: wht, soft, swelling
50% Sh: bl gry-drk gry, soft-firm, clayey, some carb.

1110 - 50 50% Clystn: AA, sl sandy
50% Sh: AA
Tr. Chert: milky wht, crs-g, sbrnd

50 - 60 30% Chert: clr wht-clr brn, crs-g, sbrnd
70% Sh: drk gry, frm, sl silty, carb.

60 - 70 100% Clystn: wht, soft, swelling

1170 - 1200 60% Ss: wht, fn-m-g, sbrnd, vy clayey (swelling)
20% Sh: gry-drk gry, firm, sl silty, carb.
20% Chert: clr, crs-g, sbrnd

1200 - 10 100% Ss: clr, fn-g, sl clay fld, good porosity, w/occ. carb. incl., sl arkosic

10 - 50 50% Ss: AA
50% Sh: bl gry, soft, clayey

50 - 70 20% Ss: wht, vfn-g, sbrnd, mod clay fill, w/occ. carb. incl., sl arkosic
70% Sh: gry-drk gry, firm, silty, sl carb.
10% Chert: clr, crs-g, sbrnd

70 - 80 10% Ss: AA
80% Sh: AA
10% Chert: AA

80 - 90 20% Ss: AA, fn-m-g
70% Sh: AA
10% Chert: AA

1290 - 1310 50% Ss: clr gry, fn-g, sbrnd, shaly, w/carb. incl.
50% Sh: bl gry, soft, clayey

1310 - 20	30% Ss: AA 70% Sh: AA, some drk gry & carb., w/carb. incl.
20 - 60	60% Ss: wht, fn-g, sbrnd, vy clay fld, (swelling), sl arkosic, no visible porosity, w/carb. incl. 40% Sh: AA
1360 - 1420	N.S.
1420 - 30	50% Ss: vy lt brn, vfn-g, sbrnd, vy clay fld, (swelling), no visible porosity, w/occ. carb. incl., sl arkosic 50% Sh: AA
30 - 40	100% Ss: AA, w/swelling clays
1440 - 1530	N.S.