

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.

Indian Allotted

5. LEASE DESIGNATION AND SERIAL NO.

I-149-IND-8478

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Gallegos Canyon Unit

8. FARM OR LEASE NAME

Gallegos Canyon Unit

9. WELL NO.

299

10. FIELD AND POOL, OR WILDCAT

Kutz Pictured Cliffs, West

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

Sec. 31-T28N-R12W

12. COUNTY OR
PARISH

13. STATE

San Juan

New Mexico

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

Energy Reserves Group, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 3280 - Casper, Wyoming 82602

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

At surface 900' FNL, 980' FWL (NW NW)

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

1-14-80

16. DATE T.D. REACHED

1-17-80

17. DATE COMPL. (Ready to prod.)

4-2-80

18. ELEVATIONS (DF. RKB, RT, GR, ETC.)*

GRD 5,749' KB 5,759'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

1,654'

21. PLUG, BACK T.D., MD & TVD

1,587'

22. IF MULTIPLE COMPL.,

HOW MANY*

NA

23. INTERVALS

DRILLED BY

ROTARY TOOLS

O-TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

1,381'-91' Pictured Cliffs

25. WAS DIRECTIONAL
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction-Electrolog; Comp Densilog - Neutron

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#	129'	12-1/4"	100 sks 'B' + 3% CaCl ₂ + 1/4#/sk Flocele	-0-
4-1/2"	10.5#	1,622' KB	6-3/4"	400 sks 50-50 Pozmix + 2% Gel + 1/4# sk Flocele*	-0-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		None			2-3/8"	1,393'	None

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

1,381'-91' w/1 JSPF (11 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1,381'-91'	BD w/500 gals 15% HCl + additives Frac job - See back of page

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
4-1-80	24	3/4"	→	0	147	78	NA
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
132 psi	SI 160 psi	→	0	147	78	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

Dean B Barnes

TITLE

DIST Prod Engr RMD

DATE

4-2-80

*(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				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH
			<u>SEE ATTACHED</u> *4-1/2" cemented back to surface Frac Job - 70% Quality Foam - Pad 8,000 gals; 10,000 gals w/1/2 PPG 10-20 sand; 10,000 gals w/1 PPG 10-20 sand; 20,000 gals w/2 PPG 10-20 sand. Total Volume 48,000 Gals Total Sand 55,000# 10-20	TOP LOGS Kirtland Fruitland Pictured Cliffs Lewis TD Driller Logger	188' 1,048' 1,383' 1,600' 1,643' 1,654'

SAMPLE DESCRIPTION

130 - 90	100% Ss: wht, m-cg, sbrnd, sl cly fld-lse, fri, gd por
190 - 220	100% Sh: bl gry, sft, blk, sndy
20 - 50	10% Ss: gry-wht, mg, sbrnd, cly fld, tite 90% Sh: bl gry-brn, sft, blk, sl slty-clayey
50 - 80	50% Ss: wht, mg, sbrnd, cly fld, tite 50% Sh: bl gry, sft, blk, clayey
280 - 340	20% Ss: gry, mg, sbrnd, shly, tite 80% Sh: AA, sl slty
40 - 70	100% Sh: gry-brn, frm, blk, slty-sl sndy
370 - 430	50% Ss: wht, mg, sbang, cly fld, poss sl por 50% Sh: AA
30 - 90	100% Sh: dk gry, frm, blk, sl carb Tr. Chert: clr, cg, sbrnd
490 - 520	30% Ss: wht, vfn-g, sbrnd, cly fld, tite 70% Sh: bl gry, frm, blk, sl slty, w/occ carb incl
20 - 80	100% Sh: gry, frm, blk
580 - 610	50% Sh: brn, frm, blk, slty, w/carb incl 50% Clystn: bl gry, sft, waxy
10 - 40	100% Sh: gry, frm, blk, slty
40 - 70	20% Ss: gry-wht, vfn-g, sbrnd, mod cly fld, fair por, w/ occ carb incl 80% Sh: AA
670 - 700	100% Sh: bl gry, sft, blk, sl slty-clayey
700 - 60	10% Ss: wht, fg, sbang, sl cly fld, gd por 90% Sh: AA
60 - 90	100% Sh: gry, sft, plty, clayey
790 - 820	100% Sh: AA, some slty
20 - 50	50% Ss: wht, f-mg, sbrnd, sl cly fld, gd por, s & p 50% Sh: AA
50 - 80	30% Ss: wht, vfn-g, sbrnd, cly fld, tite, s & p 70% Sh: bl gry, sft, blk, plty
880 - 910	100% Sh: AA, blk-plty
10 - 40	100% Sh: AA, some slty

940 - 70 80% Ss: wht, fg, sbrnd, sl cly fld, fri, gd por, s & p
 20% Sh: AA

970 - 1000 30% Ss: AA
 70% Sh: gry-bl gry, sft, blk, clayey

1000 - 30 100% Sh: gry, sft, plty, clayey, w/occ carb incl, some sn

 30 - 60 100% Sh: AA

 60 - 90 100% Ss: wht, fg, sbrnd, mod cly fld, fair por, s & p

1090 - 1120 20% Ss: AA
 80% Sh: bl gry-brn, frm, blk-plty, some sl carb

 20 - 50 80% Ss: wht, fg, cly fld, poss sl por, calc, s & p
 20% Sh: AA

 50 - 80 100% Sh: gry, sft, blk-plty, clayey

1180 - 1210 100% Sh: AA, gry-dk gry, sl carb

 10 - 40 N.S.

1240 - 1300 40% Ss: wht, fg, sbrnd, cly fld, tite, calc
 60% Sh: gry, sft, blk

1300 - 10 100% Sh: lt gry, sft, plty, clayey

 10 - 20 70% Ss: wht, fg, sbrnd, mod cly fld, fair por
 30% Sh: AA

 20 - 30 10% Ss: AA
 90% Sh: AA

 30 - 40 100% Sh: gry-brn, frm, blk, sl slty, some carb

 40 - 50 30% Ss: wht, vfn-g, sbrnd, cly fld, tite, s & p
 70% Sh: AA

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

 60 - 70 100% Coal: blk, vit

 70 - 80 30% Ss: wht, fg, sbrnd, cly fld, tite, sl feld, calc
 70% Sh: gry-dk brn, frm, sl slty, sl calc

1380 - 1400 70% Ss: wht, fg, sbrnd, mod cly fld, fair por, calc,
 sl feld, s & p
 30% Sh: dk brn, frm, slty, carb

1400 - 10 80% Ss: AA
 20% Sh: bl gry-brn, frm, blk, slty-clayey

 10 - 20 50% Ss: AA
 50% Sh: AA

1420 - 40	70% Ss: AA 30% Sh: bl gry, sft, blk, clayey
40 - 50	30% Ss: AA, cly fld, tite 70% Sh: AA
50 - 60	70% Ss: AA 30% Sh: bl gry, sft, blk, clayey
60 - 70	50% Ss: wht, vfn-g, sbrnd, mod cly fld, poss sl por, s & p, calc 50% Sh: lt gry, frm, slty, blk, w/carb incl
70 - 80	20% Ss: AA 80% Sh: AA
80 - 90	10% Ss: AA 90% Sh: gry-brn, frm, slty, w/carb incl, sl calc, blk
1490 - 1500	50% Ss: wht, fg, sbrnd, cly fld, tite, calc, s & p 50% Sh: AA
1500 - 10	20% Ss: AA 80% Sh: lt gry, frm, blk, sl slty
10 - 20	70% Ss: wht, vfn-g, sbrnd, cly fld, tite, calc, s & p 30% Sh: AA
20 - 30	50% Ss: wht, fg, sbrnd, cly fld, fri, fair por, s & p, calc 50% Sh: AA
30 - 40	50% Ss: wht, vfn-g, sbang, cly fld, tite, s & p, calc 50% Sh: lt gry, frm, slty, w/occ carb incl
40 - 50	100% Sh: AA
50 - 60	30% Ss: wht, fg, sbrnd, shly, tite, s & p, calc 70% Sh: AA, no carb incl
1560 - 1600	100% Sh: AA
1600 - 1643	N.S.