

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.

5. LEASE DESIGNATION AND SERIAL NO.

SF-0780723

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Gallegos Canyon Unit

8. FARM OR LEASE NAME

Gallegos Canyon Unit

9. WELL NO.

301

10. FIELD AND POOL, OR WILDCAT

West Kutz Pictured Cliffs

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

Sec. 20-T29N-R12W

12. COUNTY OR
PARISH
San Juan13. STATE
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 1,620' FSL, 900' FEL (NE SE)

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 1-21-80 16. DATE T.D. REACHED 1-26-80 17. DATE COMPL. (Ready to prod.) 6-10-80 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GRD 5,522' KB 5,532' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 1,741' 21. PLUG, BACK T.D., MD & TVD 1,705' 22. IF MULTIPLE COMPL., HOW MANY* NA 23. INTERVALS DRILLED BY → O-TD 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1,462' - 1,475' - Pictured Cliffs 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Electrolog & Compensated Densilog - Compensated 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#	130' KB	12-1/4"	100 sks 'B' + 3% CaCl ₂ + 1/4#/sk Flocele	-0-
4-1/2"	10.5# & 11.6#	1740' KB	6-3/4"	400 sks 50-50 Pozmix + 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"	1,466'	None

31. PERFORATION RECORD (Interval, size and number)

1,486' - 1,488' w/2 JSPF - Cemented
1,520' - 1,521' w/2 JSPF - Cemented
1,462' - 1,475' w/1 JSPF - Production Perfs.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1,462' - 1,475'	Breakdown w/750 gal 7-1/2% "Spearhead acid-Frac w/5000 gal 70% quality foam pad + 30,000 gal 70% quality foam w/47,500# 10-20 sand.

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
6-10-80	24	3/8"	→	0	450	70	NA
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
105 psi	190 psi	→	0	450			NA

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

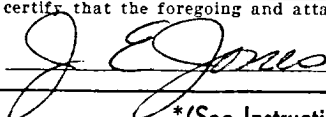
Vented During Test

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

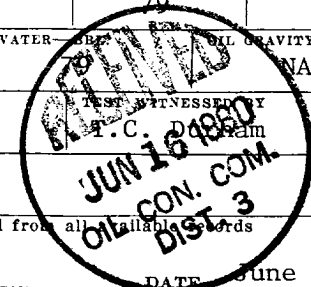
SIGNED



TITLE Dist Engr - RMD

DATE June 10, 1980

*(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.)

37. SUMMARY OF POROUS ZONES:				38. GEOLOGIC MARKERS	
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.	NAME	MEAS. DEPTH
					TRUE VERT. DEPTH
			SEE ATTACHED	LOG TOPS	
			* 4-1/2" cemented back to surface	Kirtland	260'
				Fruitland	1,172'
				Pictured Cliffs	1,460'
				Lewis	1,713'
				TD Driller	1,741'
				Logger	1,725'

SAMPLE DESCRIPTION

130 - 250	100% Ss: clr wht, cg, sbrnd, arkosic, lse. Tr. Coal: blk, vitreous
50 - 80	50% Ss: AA 50% Sh: bl gry, sft, clayey, some slty, blk
280 - 340	100% Sh: bl gry, sft, blk, clayey
40 - 70	20% Ss: wht, fg, sbang, cly fld, tite 80% Sh: AA, some sl slty, micromic.
370 - 400	N.S.
400 - 60	10% Ss: wht, vfn-g, sbrnd, mod cly fld, tite 90% Sh: AA
60 - 90	30% Ss: wht, fg, sbrnd, mod cly fld, sl porous 70% Sh: gry-brn, frm, blk, some slty, w/carb incl
490 - 520	20% Ss: AA 80% Sh: AA, some clayey
20 - 50	50% Ss: wht, fg, sbrnd, sl cly fld, gd por 50% Sh: AA
50 - 80	40% Ss: AA 60% Sh: AA
580 - 610	30% Ss: AA 70% Sh: AA
10 - 40	20% Ss: AA 80% Sh: gry, sft-frm, plty, sl slty, w/carb incl
40 - 70	10% Ss: AA 90% Sh: AA Tr. Chert: clr, cg, sbrnd
670 - 700	20% Ss: wht, fg, sbrnd, cly fld, tite 80% Sh: AA Tr. Chert: AA
700 - 30	70% Ss: wht-gry, fg, sbrnd, mod cly fld, fair por, sl feld, w/occ carb incl 30% Sh: AA
30 - 60	30% Ss: AA 70% Sh: gry, frm, blk-plty, slty, w/carb incl
60 - 90	50% Ss: wht, fg, sbrnd, sl cly fld, gd por 50% Sh: AA
790 - 820	20% Ss: gry-wht, fg, sbrnd, cly fld-sl shly, tite 80% Sh: gry, sft, plty, clayey, some dk gry and carb.

820 - 80 20% Ss: wht, fg, sbang, cly fld, tite
 80% Sh: gry-bl gry, sft, plty-blky, clayey, some
 dk gry and carb

880 - 910 10% Ss: AA
 90% Sh: gry-brn, frm, blky, sl slty, w/occ carb incl

10 - 40 20% Ss: AA
 80% Sh: AA

940 - 1030 100% Sh: gry, frm, plty, sl slty, w/carb incl

1030 - 60 10% Ss: wht, fg, sbrnd, cly fld, tite
 90% Sh: AA

1060 - 1120 100% Sh: gry-brn, frm, blky-plty, slty, w/carb incl

20 - 50 20% Ss: wht, fg, sbang, mod cly fld, poss sl porosity,
 w/occ carb incl
 80% Sh: gry-dk gry, frm, plty, carb

50 - 80 N.S.

1180 - 1210 50% Ss: wht, fg, sbang, mod cly fld, fair por, w/occ
 carb incl
 50% Sh: dk gry, frm, plty, sl slty, carb

10 - 40 20% Ss: AA
 80% Sh: AA
 Tr. Coal: blk, vit

40 - 70 10% Ss: AA
 90% Sh: gry-dk gry, frm, plty, sl slty, some bl gry
 and clayey

1270 - 1300 AA, w/tr. Coal: blk, vit

1300 - 50 N.S.

50 - 70 20% Ss: wht, fg, sbrnd, cly fld, tite, calc
 80% Sh: AA

70 - 80 80% Sh: gry-brn, frm, blky, slty, w/carb incl
 20% Coal: blk, vit

1380 - 1400 100% Sh: AA
 Tr. Ss: wht, fg, sbrnd, cly fld, tite, calc

1400 - 20 10% Ss: AA
 90% Sh: AA
 Tr. Coal: blk, vit

20 - 40 100% Coal: blk, vit

1440 - 50 10% Ss: wht, vfn-g, sbang, sl cly fld, fair por, calc
60% Sh: AA
30% Coal: AA

50 - 60 30% Ss: wht, f-mg, sbrnd, mod cly fld, fair por, calc,
s & p, feld, sl glauc
50% Sh: gry, frm, blk
20% Coal: AA

60 - 70 70% Ss: AA
30% Sh: AA
Tr. Coal: AA

70 - 80 100% Ss: AA, some cly fld and tite

80 - 90 70% Ss: AA
30% Sh: gry-brn, frm, blk, slty, w/carb incl

1490 - 1500 80% Ss: AA
20% Sh: AA

1500 - 20 90% Ss: wht, fg, sbrnd, cly fld, tite, s & p, calc
10% Sh: AA
Tr. Coal: AA

20 - 30 30% Ss: AA
70% Sh: gry-brn, frm, plty, sl lignitic

30 - 60 60% Ss: AA
40% Sh: AA

60 - 70 50% Ss: wht, f-vfn-g, sbang, mod cly fld, calc,
poss sl porosity, sl s & p, sl glauc
50% Sh: gry-lt brn, sft, blk, slty, fri

70 - 80 70% Ss: AA
30% Sh: AA

80 - 90 30% Ss: AA
70% Sh: AA, some dk gry and carb

1590 - 1600 20% Ss: wht, vfn-g, sbang, cly fld, tite, calc
80% Sh: AA

1600 - 20 10% Ss: AA
90% Sh: gry-brn, frm-sft, blk, vy slty, calc

20 - 30 100% Sh: AA

30 - 40 10% Ss: gry-wht, vfn-g, sbang, cly fld, tite, calc
90% Sh: AA

40 - 50 30% Ss: AA
70% Sh: AA, some gry and soft

1650 - 60 50% Ss: wht, vfn-g, mod cly fld, poss sl porosity,
 calc, w/occ carb incl
 50% Sh: gry-lt brn, soft, blk, slty, sl calc

60 - 70 10% Ss: AA
 90% Sh: AA

70 - 80 100% Sh: lt brn, sft, blk, vy slty-sl sndy, sl calc

80 - 90 20% Ss: gry-brn, vfn-g, sbang, shly, tite
 80% Sh: AA

1690 - 1710 100% Sh: AA

1710 - 38 N.S.