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.: SF-078019

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: E.H. Pipkin

8. FARM OR LEASE NAME:

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

9. WELL NO.: 11-E

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

10. FIELD AND POOL, OR WILDCAT: Basin Dakota

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements.*)
At surface 1780' FSL, 1690' FEL (NW/SE)
At top prod. interval reported below
At total depth

RECEIVED
SEP 08 1980
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 12-T27N-R11W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
		San Juan	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
8-08-80	8-18-80	9-05-80	5,900' G.L.; 5,914' K.B.	----------

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
6,360' KB	6,320' KB	NA	→	O-TD	----------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Dakota: 6,227' - 6,244'

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction Focused Log & Compensated Neutron Formation Density Log

27. WAS WELL CORED: NO

RECEIVED
SEP 15 1980
OIL CON. COM.
DIST. 3

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#	432' KB	12-1/4"	275 sx "B" w/2% $CaCl_2$ + 1/4# Flocele/sx.	-0-
4-1/2"	10.5#	6,358' KB	7-7/8"	See Page 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)
2-3/8"	6,252' KB	None

31. PERFORATION RECORD (*Interval, size and number*)
6,227'-29', 6,232'-39', 6,244'
All w/1 JSPF (12 perfs)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6,227'-6,244'	B.D. w/1000 gal 7-1/2% Spearhead acid w/additives + 500 SCF N_2/bbl.
	See Page 2

33.* PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-05-80	24	25/64"	→	11	1043	3(Frac Fluid)	94,818 SCF/STB

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
250	400	→	11	1043	3(Frac Fluid)	± 50

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

ACCEPTED FOR RECORD

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

SIGNED Ronnie C Shaw TITLE Production Engineer - RMD DATE 9-05-80

SEP 12 1980

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

FARMINGTON DISTRICT
BY

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 Continued from Page 1 Cement Record - 4-1/2" 1st stage - 100 sx 50-50 Poz w/1/4# Flocele/sx.; followed by 300 sx "B" w/10% salt. 2nd stage - 550 sx 50-50 Poz w/1/4# Flocele/sx. Stage Collar @ 4,439'. 3rd stage - 350 sx Lite w/1.4# Flocele/sx. followed by 200 sx of 50-50 Poz w/1/4# Flocele/sx. Stage Collar @ 1,788'. Fracture - Frac'd w/50,000 gal 70% quality foam w/50,000# 20-40 sand.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
LOG TOPS		
Fruitland	1,434'	
Pictured Cliffs	1,707'	
Lewis	1,893'	
Chacra	2,625'	
Cliff House	3,243'	
Menefee	3,374'	
Point Lookout	4,043'	
Mancos	4,392'	
Gallup	5,245'	
Greenhorn	6,056'	
Graneros	6,116'	
Dakota	6,177'	
TD Driller	6,360'	

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GPO 680-378

5250-60 100% Sh grg-brn, frm, blky, calc, carb incl

60-70 100% Sh AA, sl slty

70-5300 AA

5300-10 100% Sh grg, sft-frm, blky, calc, carb incl, some clayey

10-20 100% Sh grg, frm, blky, calc, carb incl.

20-40 AA

40-60 100% Sh grg-dk grg, frm, blky-plty, calc, some slty

60-70 100% Sh AA, less slty

70-80 100% Sh grg-brn, frm, blky, calc, some bl grg, sft & clayey

80-5400 AA

5400-10 100% Sh AA
Tr Inoceramus prisms

10-20 100% Sh grg, frm, blky-plty, calc, carb incl.

20-30 100% Sh AA
Tr Ss grg-brn, vyfg, sbang, shly, hard, tite, N-S

30-60 100% Sh ltgrg-grg, sft-frm, blky-plty, sl slty, calc, carb incl.

60-70 100% Sh grg-dk grg, frm, plty, slty, calc, carb.

70-80 100% Sh AA
Tr Inoceramus prisms

80-5500 100% Sh grg-dk grg-brn, frm, blky-plty, some slty, calc, carb incl

5500-10 10% ss grg-brn f-vyfg, sbang, sl shly, S&P, calc, frm, sl por, vy faint yel fluor wlno cut
90% Sh AA

10-20 100% Sh AA
Tr Ss AA, N-S

20-30 100% Sh grg, frm, blky, calc, S&P

30-60 100% Sh AA
Tr coal blk, vit

60-70 100% Sh grg-lt grg, sft-frm, blky-plty, calc, carb incl

70-5600 AA

5600-20 100% Sh grg-dk grg, frm, plty, calc, slty, some carb

20-30 10% ss clr wht, vyfg, sbang, sl clay fld, calc, frm, sl por. vy faint yel fluor wlno cut
90% Sh AA

30-40 10% ss grg-wht, vyfg, sbang, sl shly-sl clay fld, S&P, calc, frm, tite, N-S
90% Sh grg-brn, frm, blky, calc, sl slty, carb incl

40-50 100% Sh AA, some lt grg & sft

50 - 60 100% Sh AA
Tr SS: wht, vy fg, sbang, clay filld, calc, S&P, frm, tite, N-S

60 - 70 100% Sh gry - lt gry, sft - frm, blky, calc, carb incl, some slty

70 - 80 100% Sh AA, some bl gry, sft & clayey

80 - 90 10% SS: clr wht - brn, vy fg, sbang, sl shly, calc, frm, poss sl por, N-S
90% Sh AA

90 - 5700 20% SS AA, faint yel fluor w/no cut
80% Sh AA

5700 - 10 100% Sh AA
Tr coal blk, vit

10 - 20 100% Sh gry - dk gry, frm, plty, calc, slty, carb incl

20 - 30 100% Sh AA
Tr inoceramus prisms

30 - 40 100% Sh gry - lt gry - dk gry, sft - frm, blky - plty, calc, some slty, carb incl

40 - 70 AA

70 - 80 10% SS: gry, vy fg, sbang, shly, calc, S&P, frm, tite, N-S
90% Sh gry - dk gry, frm, plty, calc, sl slty, carb

80 - 90 10% SS AA, N-S
90% Sh AA

90 - 5800 100% Sh AA
Tr coal blk, vit

5800 - 30 AA

30 - 40 100% Sh AA
Tr chert clr, cg, sbrnd

40 - 50 100% Sh dk grey, frm, plty, sl slty, carb
Tr coal blk, vit

50 - 60 100% sh AA

60 - 70 100% Sh gry - brn, frm, blky, calc, carb incl

70 - 80 100% Sh gry, frm, blky, calc, sl slty, carb incl

80 - 5900 AA

5900 - 10 100% Sh gry - dk grey, frm, plty, calc, some carb

10 - 30 100% Sh AA, some slty

30 - 40 100% sh gry - brn, frm, blky - plty, calc, carb incl

40 - 50 100% Sh AA
Tr chert clr - translucent orn, cg, sbang

50 - 60 100% sh gry, frm, blky, calc, occ carb incl

60 - 6000 AA

6000 - 10 100% Sh gry - dk grey, frm, plty, calc, slty, some carb

10 - 20 100% Sh AA, less slty

20 - 30 AA

30 - 40 100% Sh gry - dk gry, frm, blky - plty, sl slty, calc, some carb

40 - 70 AA

70 - 80 100% Sh dk gry, frm, plty, calc, sl slty, carb

80 - 90 100% Sh dk gry - gry, frm, plty, slty, carb incl, calc

90 - 6100 100% Sh dk gry, frm, plty, sl slty, limy, carb

6100 - 20 AA

20 - 30 100% Sh gry - dk gry, frm, blky - plty, limy, carb incl

30 - 40 100% Sh AA, slty

40 - 50 100% Sh gry - dk gry, frm, plty, slty, limy, occ carb incl

50 - 60 100% Sh gry, frm, blky - plty, vy calc, carb incl

60 - 80 100% Sh AA

80 - 90 10% SS gry, fg, sbang, sl'y, calc, frm, tite, N-S
90% Sh gry, frm, blky, calc, slty, carb incl

90 - 6200 100% Sh AA
Tr inoceramus prisms

6200 - 10 100% Sh AA

10 - 20 20% SS wht, fg, sbrnd, sl clay flld, calc, tite, N-S
80% Sh gry - dk gry, frm, plty, sl slty, calc, carb incl

20 - 30 30% SS wht, fg, sbrnd, mod clay flld, SIP, calc, hard, tite,
faint yel-bl fluor, wlno cut
70% Sh AA

30 - 40 20% SS AA, faint yel-bl fluor wlno cut
80% Sh AA

40 - 50 20% SS wht, fg, sbang, clean - sl clay flld, hard, poss sl por, faint yel fluor wlno cut

50 - 70 N-S

70 - 80 90% Sh gry - lt gry, frm, blky-plty, calc, carb incl
10% clystn wht, hard, kaolinite

80 - 6300 AA

6300 - 10 80% Sh AA
10% clystn AA
10% coal blk, vit

10 - 20 10% SS wht, fg, sbang clay flld, calc, carb incl, hard, tite, N-S
90% Sh AA
Tr clystn AA

20 - 30 90% Sh AA
10% clystn AA

30 - 50 90% Sh AA
10% clystn AA
Tr coal blk, vit

50 - 60 NS