

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 _____

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 1,750' FSL, 840' FEL (NE SE)

At top prod. interval reported below

At total depth

14. PERMIT NO. 3. GEOLOGICAL SURVEY

APR 25 1980

FARMINGTON, N. M.
DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla 35

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

S. FARM OR LEASE NAME

Jicarilla 35

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec 36-T25N-R5W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUDDED 1-24-80 16. DATE T.D. REACHED 2-6-80 17. DATE COMPL. (Ready to prod.) 4-23-80 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GRD 6,921' KB 6,935' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 7,517' 21. PLUG, BACK T.D., MD & TVD 7,474' 22. IF MULTIPLE COMPL., HOW MANY* NA 23. INTERVALS DRILLED BY → O-TD ROTARY TOOLS CABLE TOOLS

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

7,378'-82'; 7,392'; 7,406'-08'; 7,420'-28 - Dakota

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"	24#	449' KB	12-1/4"	300 sks "B" + 3% CaCl ₂	-0-
4-1/2"	10.5# & 11.6#	7,517' KB	7-7/8"	+ 1/4#/sk Flocele * See Back of Page	-0-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		None			2-3/8"	7,415'	None

31. PERFORATION RECORD (Interval, size and number)

7,378'-82'; 7,392'; 7,406'-08';
7,420'-28' w/1 JSPF (18 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7,378' - 7,428'	B.D. w/1500 Gals Smith 7-1/2% HAS-1 acid + additives + 10% Methanol + 500 SCE N/hbl + 30 Ba Sealers - Frac 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)
DATE OF TEST 4-22-80	HOURS TESTED 24	CHOKE SIZE 3/4"
PROD'N. FOR TEST PERIOD	OIL—BBL. 19	GAS—MCF. 259
WATER—BBL. 8	Flow. Tubing Press. 50 psi	Casing Pressure SI 400 psi
Calculated 24-hour Rate	OIL—BBL. 19	GAS—MCF. 259
Water—BBL. 8	Flow. Tubing Press. 50 psi	Casing Pressure SI 400 psi

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

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

Hean B. Barner

TITLE Dist Prod Engr-RMD

DATE April 23, 1980

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

FARMINGTON DISTRICT

BY

M. L. Kuchera

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	TRUE VERT. DEPTH
			SEE ATTACHED *4-1/2" cementing record 1st stage - 540 sks 50-50 Pozmix + 2% Gel - DV tool @ 5,546' 2nd stage - 870 sks 65-35 Pozmix + 6% Gel + 1/4#/sk Flocele followed w/100 sks "B" + 1/4#/sk Flocele. Good cement returns Frac Job - 65,000 Gals 30# GWX-4 Gel + 10% Methanol + 2% Diesel + 500 SCF N₂/BBL + 120,000# 20-40 Sand.	LOG TOPS		
				Ojo Alamo	2,490'	
				Kirtland	2,670'	
				Fruitland	2,919'	
				Pictured Cliffs	3,004'	
				Lewis	3,064'	
				Chacra	3,861'	
				Menefee	4,650'	
				Point Lookout	5,242'	
				Mancos	5,403'	
				Gallup	6,350'	
				Base Gallup	6,672'	
				Greenhorn	7,158'	
				Graneros	7,217'	
				Dakota	7,377'	
				Dakota Pay	7,418'	
				TD Driller	7,517'	
				Logger	7,512'	

3300 - 3420 100% Sh: AA
Tr. Chert: translucent brn, cg, ang

3420 - 3450 100% Sh: gry, frm, blk-pty, slty, calc

3450 - 3540 100% Sh: AA, sl less slty

3540 - 3630 100% Sh: gry, frm, pty, slty, calc, w/occ carb incl

30 - 60 100% Sh: AA, pty-blk

60 - 90 100% Sh: dk gry, frm, pty, slty, w/occ carb incl

3690 - 3730 100% Sh: AA, blk
Tr. Chert: clr, cg, sbrnd

30 - 60 100% Sh: dk gry, frm, slty-sl sndy, blk, sl calc, w/carb incl
Tr. Chert: clr, cg, sbang

60 - 90 100% Sh: AA, gry-dk gry
Tr. Chert: AA

3790 - 3850 100% Sh: gry, sft, blk-pty, clayey

50 - 80 100% Sh: gry, sft, pty, sl micromic, w/occ carb incl

3880 - 3910 100% Sh: AA
Tr. Ss: gry, fg, sbrnd, clean, frm, fair por, w/occ carb incl

10 - 40 30% Ss: gry-wht, vfn-g, sbrnd, mod cly fld, frm, poss sl por, w/carb incl, calc
70% Sh: gry, sft, pty, clayey, w/occ carb incl

3940 - 4000 20% Ss: gry, vfn-g, sbrnd, sl shly, tite
80% Sh: AA

4000 - 30 30% Ss: gry-wht, fg, sbrnd, sl cly fld, gd por, calc, s & p
70% Sh: gry, sft, pty, clayey, some sl slty & lignitic

30 - 60 10% Ss: AA
90% Sh: AA

60 - 90 100% Sh: AA

4090 - 4120 100% Sh: gry-brn, sft-frm, sl slty, w/occ carb incl

20 - 50 100% Sh: AA
Tr. Ss: gry, vfn-g, sbrnd, shly, tite, s & p, calc

50 - 80 20% Ss: gry, vfn-g, sbrnd, mod cly fld, sl porous, calc, s &
80% Sh: AA

4180 - 4300 100% Sh: AA

4300 - 30 N.S.

4330 - 60 10% Ss: gry, vfn-g, sbang, hard, tite
90% Sh: gry-brn, frm, sl slty, w/carb incl

60 - 90 10% Ss: wht, mg, sbrnd, mod cly fld, fair por, sl feld,
occ pyrite masses
90% Sh: AA

4390 - 4450 100% Sh: gry-lt gry, sft-frm, plty, sl slty, w/carb incl
Tr. Ss: wht, fg, sbang, cly fld, tite, calc, s & p

50 - 80 100% Sh: gry, frm, blk, sl slty, w/carb incl
Tr. Coal: blk, vit

4480 - 4510 100% Sh: gry-lt gry, sft, blk, some bl gry and clayey

10 - 40 100% Sh: gry, frm, slty, w/carb incl

4540 - 4600 100% Sh: gry, sft, plty, clayey

4600 - 30 30% Ss: wht, fg, sbrnd, sl cly fld, fair por, calc
70% Sh: gry, frm-sft, blk, slty

30 - 60 100% Sh: gry, sft, plty, sl clayey-sl slty, sl calc

60 - 90 100% Sh: AA
Tr. Coal: blk, vit

4690 - 4720 50% Sh: dk gry, frm, plty, sl slty
50% Coal: blk, vit

20 - 50 30% Ss: wht, mg, sbang, sl-mod cly fld, fair por, calc,
sl feld
60% Sh: gry, sft, plty-blk, sl calc, w/carb incl
10% Coal: AA

50 - 80 50% Ss: AA, cly fld, tite, s & p
40% Sh: AA
10% Coal: AA

4780 - 4810 10% Ss: AA, f-mg
90% Sh: gry, frm, plty, sl slty, w/carb incl
Tr. Coal: AA

10 - 70 20% Ss: gry, fg, sbang, cly fld, tite, calc, w/carb incl
70% Sh: gry, frm, plty
10% Coal: blk, vit

4870 - 4900 50% Ss: wht, fg, sbrnd, sl cly fld, gd por, s & p, calc
40% Sh: AA
10% Coal: AA

4900 - 30 20% Ss: AA
80% Sh: AA

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

4990 - 5080 30% Ss: clr wht, mg, sbang, sl cly fld, fair por, calc,
w/occ carb incl
70% Sh: gry-dk gry, frm, blk, sl calc, some coaly

5080 - 5110 10% Ss: AA
90% Sh: AA, less coaly

10 - 40 20% Ss: gry-wht, f-mg, sbang, cly fld, tite, calc
80% Sh: AA, sl slty, sl calc

40 - 70 10% Ss: AA
90% Sh: AA

5170 - 5200 100% Sh: gry, frm, plty, sl slty, micromic, sl calc,
w/carb incl
Tr. Coal: blk, vit

5200 - 30 10% Ss: wht, fg, sbang, cly fld, tite, calc
60% Sh: AA
30% Coal: AA

5230 - 5320 10% Ss: AA
90% Sh: AA

20 - 50 50% Ss: wht, fg, sbang, mod cly fld, fair por, s & p, calc
50% Sh: gry-lt gry, frm-sft, blk, sl calc, w/occ carb incl

50 - 80 10% Ss: gry-wht, fg, sbang, shly, tite, calc
90% Sh: AA, w/carb incl

5380 - 5410 50% Ss: gry, fg, sbrnd, mod cly fld, tite-fair por, w/occ
carb incl, calc
50% Sh: AA

10 - 40 100% Sh: gry, frm, blk, some sl sndy, some dk gry and carb

5440 - 5500 100% Sh: gry-dk gry, frm, plty
Tr. Coal: blk, vit

5500 - 30 100% Sh: AA, some sl slty

30 - 90 100% Sh: gry, sft-frm, blk, w/occ carb incl, sl calc

5590 - 5680 100% Sh: dk gry, frm, blk, slty-sl clayey, sl carb, calc

5680 - 5790 100% Sh: AA, less slty

5790 - 5840 100% Sh: AA, less slty, occ inoceramus prisms

5840 - 6210 100% Sh: gry-dk gry, frm, slty, calc

6210 - 6300 100% Sh: lt gry-gry, sl calc, frm
Tr. Ss: N-S

Shows through Gallup probably influenced by oil-based mud.

6300 - 30 100% Sh: AA

30 - 50 10% Ss: gry, fg, sbrnd, cly fld-shly, poss. sl por, vy faint yel fluor w/vy wk-no cut
90% Sh: gry, frm, blk, slty, calc, w/carb incl

50 - 60 100% Sh: AA

60 - 70 10% Ss: gry-wht, fg, sbrnd, cly fld, poss. sl. por, vy faint yel fluor w/vy wk-no cut
90% Sh: AA

70 - 80 20% Ss: AA
80% Sh: AA

80 - 90 20% Ss: AA, f-vfn-g
80% Sh: AA

6390 - 6400 10% Ss: AA
90% Sh: AA

6400 - 20 100% Sh: gry, frm, blk, slty-sl sndy, calc, w/carb incl

20 - 70 100% Sh: lt gry-gry, sl calc, firm
Tr. Ss: N-S

70 - 90 10% Ss: gry, vfn-g, sbrnd, calc, clayey, shly, poss. sl. porosity, faint yel fluor w/wk cut
90% Sh: AA

6490 - 6510 100% Sh: AA

10 - 20 100% Sh: gry, sft, plty, clayey, calc

20 - 30 20% Ss: gry, fg, sbrnd, sl shly, tite, N-S
80% Sh: AA

30 - 40 10% Ss: gry, fg, sbrnd, mod cly fld-sl shly, poss. sl porosity, calc, w/occ carb incl, yel fluor w/fair cut
90% Sh: gry-dk gry, frm, blk-plty, slty, calc, carb

40 - 60 10% Ss: clr gry, fg, sbrnd, sl cly fld, gd por, calc, vy faint yel fluor w/no cut
90% Sh: AA

60 - 70 10% Ss: AA, scat. pyrite masses, vy faint yel fluor w/no cut
90% Sh: AA

70 - 80 10% Ss: gry, fg, sbrnd, sl cly fld, fair por, calc, sl stn, dull yel fluor w/no cut
90% Sh: AA
Tr. Inoceramus prisms

80 - 90 20% Ss: clr gry, fg, sbrnd, sl cly fld, calc, s & p, N-S
80% Sh: AA

6590 - 6600 100% Sh: gry-dk gry, sft-frm, plty, clayey, some carb, calc.

6600 - 10 10% Ss: wht-bl gry, vfn-g, sbrnd, cly fld, tite, c alc
 90% Sh: AA
 Tr. Inoceramus prisms

10 - 20 20% Ss: AA, sl less cly fld, fair por.
 80% Sh: AA

20 - 30 100% Sh: lt gry-dk gry, sft, plty-blky, sl slty, some carb

30 - 40 20% Ss: wht-gry, fg, sbrnd, mod cly fld, fair por, calc,
dull yel fluor w/vy wk cut
 80% Sh: AA
 Tr. Inoceramus prisms

40 - 50 100% Sh: AA

50 - 70 100% Sh: dk gry, frm, blky, carb, calc.

6670 - 6700 100% Sh: gry, sft-frm, plty, sl clayey, w/occ carb incl, calc
 Tr. Coal: blk, vit

6700 - 30 10% Ss: clr gry, fg, sbrnd, sl cly fld-sl shly, sl porous,
 sl coaly, N-S
 90% Sh: AA

6730 - 6800 100% Sh: gry, sft-frm, blky, sl clayey, calc

6800 - 30 90% Sh: AA
 10% Chert: mlky wht, vy cg, sbrnd,

30 - 60 100% Sh: lt gry-gry, sft, blky, clayey, calc

60 - 90 100% Sh: gry, frm, blky, calc

6890 - 6920 100% Sh: AA, some lt gry, sft, clayey

20 - 50 100% Sh: gry-dk gry, frm, plty, slty, calc, carb

6950 - 7040 100% Sh: AA, less slty, sl calc

7040 - 7100 100% Sh: AA, slty, sl calc

7100 - 10 100% Sh: lt gry-gry, sft-frm, blky, clayey-slty, sl calc,
 w/carb incl

10 - 20 100% Sh: dk gry, frm, plty, sl slty, carb

20 - 40 100% Sh: AA, calc

40 - 60 100% Sh: AA, slty

60 - 90 100% Sh: dk gry, frm, plty, sl slty, limey

7190 - 7200 100% Sh: gry, frm, blky, sl sndy-slty, limey

7200 - 20 100% Sh: dk gry, frm, plty, carb, limey

20 - 30 100% Sh: dk gry, frm, plty-blky, carb, limey

30 - 40 100% Sh: AA, vy calc

40 - 50 100% Sh: dk gry, frm, plty, sl slty, calc.

50 - 60 100% Sh: dk gry, frm, plty-blky, carb, limey

60 - 70 30% Ss: wht, fg, sbang, sl cly fld, calc, poss. sl. por,
hard, faint yel fluor w/fair cut
70% Sh: AA

70 - 80 20% Ss: AA, yel fluor w/wk-fair cut
80% Sh: AA, calc
Tr. Inoceramus prisms

80 - 90 10% Ss: AA, yel fluor w/wk cut
90% Sh: AA

7290 - 7300 100% Sh: AA

7300 - 10 10% Ss: wht, fg, sbrnd, hard, tite, N-S, calc
90% Sh: AA

10 - 20 10% Ss: AA, wht-gry
90% Sh: AA, w/scat. pyrite masses

20 - 30 10% Ss: AA
90% Sh: AA, sl slty

30 - 40 30% Ss: wht-brn, fg, sbrnd, hard & tite, vy faint yel fluor
w/vy wk cut
70% Sh: AA

40 - 50 100% Sh: AA

50 - 60 10% Ss: gry-wht, fg, sbrnd, hard & tite, N-S
90% Sh: AA

60 - 70 100% Sh: dk gry-brn, frm, blky, some sl sndy, calc, w/
carb incl

70 - 80 100% Sh: AA, w/scat. pyrite masses

80 - 90 10% Ss: wht, fg, sbrnd, hard & tite, calc, sl feld, s & p,
vy faint yel fluor w/vy wk cut
90% Sh: gry, frm, plty, carb, sl calc

7390 - 7400 100% Sh: AA

7400 - 10 30% Ss: wht-lt brn, fg, sbrnd, hard, tite, faint yel fluor
w/vy wk cut
70% Sh: dk gry, frm, plty, carb

7410 - 20 10% Ss: AA, faint yel fluor w/vy wk cut
90% Sh: AA, scat. pyrite masses

20 - 30 20% Ss: wht-brn, fg, sbrnd, hard, poss. sl por, calc,
spotty yel fluor w/fair cut
80% Sh: AA

30 - 40 10% Ss: AA, faint yel fluor w/vy wk cut
90% Sh: AA

40 - 50 40% Ss: wht, fg, sbrnd, sl cly fld, hard, fair por, calc,
brt yel fluor w/fair cut
60% Sh: AA

50 - 60 30% Ss: AA, yel-brt yel fluor w/fair cut
70% Sh: AA

60 - 70 20% Ss: AA, yel-brt yel fluor w/fair cut
80% Sh: dk gry, frm, blk, slty, carb, calc

70 - 80 10% Ss: brt yel fluor w/fair cut, AA
90% Sh: AA

80 - 90 20% Ss: wht, fg, sbang, sl cly fld, hard, poss sl por,
yel fluor w/fair cut
80% Sh: AA

7490 - 7500 20% Ss: AA, yel fluor w/fair cut
80% Sh: AA

7500 - 10 10% Ss: AA, yel fluor w/fair cut
90% Sh: AA