

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

#104

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Merit Energy Company

3. Address and Telephone No.

214-701-8377

12222 Merit Drive, Suite 1500 Dallas, Texas 75251

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1550' FSL & 1650' FWL
K Sec 15, T26N, R4W

8. Well Name and No.

Jicarilla E #8E

9. API Well No.

30-039-25423

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

Rio Arriba, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Drilling
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See Attached Reports

Spud 6-21-94, 85% D 346 W/250 SY
4 1/2 D 7900 W/1056 SY

RECEIVED
AUG 15 1994

OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed Sherry L. Cornett

Title Regulatory Administrator

Date 8-1-94

(This space for Federal or State office use)

Acting Chief, Lands and Mineral Resources

AUG 12 1994

Approved by (ORIG. SGD.) DAVID R. SITZLER

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Daily Operations Report

Well:	JICARILLA "E" #8-E	Objective:	DRILL & COMPLETE GAS WELL
Field:	JICARILLA	Job Type:	D&C
County:	RIO ARRIBA	AFE #:	755
State:	NM	WI:	0.00% AFE Amount: \$375,000.00
District:	West	NRI:	0.00% Cost To Date: \$395,274.00

Date 6/20/94 Daily Cost \$13,610.00

BUILT LOCATION CELLAR & LINED PITS. TOOK CARE OF PERMITS, SIGNS, RIGHT OF WAY, & OTHER MISC. SDON.

Date 6/21/94 Daily Cost \$14,790.00

TD = 346. DEVIATION SURVEYS: 154 - 3/4 DEG, 346 - 1 DEG. SPUD @ 12:00 NOON. POOH PICKED UP 8 JTS - 8 5/8" 24# CSG. SHOE @ 346' & INSERT FLOAT @ 302'. RU DOWELL, CIRC CSG VOLUME, PUMPED 20 BBLS FRESH H2O. PUMPED 250 SX 15.1# PER GAL CLASS G + 2% CCL, 1/4# PER SX CELLOPHANE FLAKE. DISPLACED W/19 1/2 BBLS FRESH WATER. CIRC 24 SX OF CEMENT(5 BBLS) CIRC TO SURFACE. BUMPED PLUG, BLED OFF PSI W/NO FLOW BACK. SDON.

Date 6/22/94 Daily Cost \$15,000.00

TD = 1200'. DRILLING @ 90' PER HR. DEVIATION SURVEYS: 677 - 1 DEG, 1080 - 1 DEG. MUD WT 8.8, VIS 36, Ph 9.0, WATER LOSS 80. MADE CUT-OFF, WELDED & TESTED 8 5/8" SURFACE HEAD. NU BOP'S, TIH DRILL OUT CMT & FLOAT COLLAR.

Date 6/23/94 Daily Cost \$18,564.00

TD = 2580', MADE 1380' @ 70' PER HR. DEVIATION SURVEY: 1574' - 1 DEG, 2076' - 1 1/4 DEG, 2389' - 1 1/4 DEG. MUD WT 8.9, VIS 37, Ph 8.5, WATER LOSS 8.0. MADE BIT TRIP.

Date 6/24/94 Daily Cost \$15,167.00

TD = 3640, MADE 1060' @ 49' PER HR. DEVIATION SURVEYS: 2892 - 1 DEG, 3392 - 3/4 DEG. MUD WT 8.8, VIS 45, Ph 9, WATER LOSS 8. LOST CIRC @ 3420(APPROX 250 BBLS FLUID).

Date 6/25/94 Daily Cost \$6,694.00

TD = 3940', MADE 300' @ 30' PER HR. DEVIATION SURVEYS: 3707 - 2 3/4 DEG, 3892 - 1 3/4 DEG. MUD WT 8.8, VIS 46, Ph 9.0, WATER LOSS 7.0. LOST ANOTHER 100 BBLS @ 3420', MAKING BIT. BACKED OFF 1 DC BELOW STABILIZER. LISHED STOPPED @ 1700'. FISHED DC & BIT. PRESENTLY BACK ON BTM W/ NEW BIT.

Date 6/26/94 Daily Cost \$11,390.00

TD = 4650', MADE 710' @ 49' PER HR. DEVIATION SURVEY: 4142' - 1 DEG. MUD WT 8.9, VIS 46, Ph 9.0. HAD TO TRIP FOR HOLE IN DRILL PIPE. PRESENTLY DRLG.

Date 6/27/94 Daily Cost \$8,020.00

TD = 5163', MADE 513' @ 22' PER HR. DEVIATION SURVEY: 4641' - 1 DEG. MUD WT 8.9, VIS, 47, Ph 9.0, WATER LOSS 8.0.

Date 6/28/94 Daily Cost \$8,635.00

TD = 5622', MADE 459' @ 23' PER HR. DEVIATION SURVEY: 5171 - 3/4 DEG. MUD WT 8.9, VIS 65, Ph 9.0, WATER LOSS 6.0. LOST CIRC @ 5622', MIX PILL, REGAIN CIRC. LOST APPROX 350 BBLS.

Date 6/29/94 Daily Cost \$14,819.00

TD = 5870'. DEVIATION SURVEY: 5667 - 1 DEG. MUD WT 8.6, VIS 63, Ph 9.0M WATER LOSS 8.0. LOST CIRC - TOTAL FLUID LOST @ 5622' (600 BLS). REGAIN CIRC & DRILL DN TO 5870'. POOH. PRESENTLY POOH TO CHANGE BIT.

Date 6/30/94 Daily Cost \$10,117.00

TD = 6148', MADE 278'. MUD WT 8.8, VIS 63, Ph 9.0, WATER LOSS 7.0. PRESENT OPERATION LOST CIRC. FINISHED MAKING BIT TRIP, WASHED 235'. DRILLED DN TO 6148' - LOST CIRC PULLED 10 STDS. TRIED TO REGAIN CIRC. LOST 200 BBLS.

Date 7/1/94 Daily Cost \$9,721.00

TD = 6564, MADE 416' @ 24' PER HR. DEVIATION SURVEY: 6481 - 1 DEG. MUD WT 8.8, VIS 62, Ph 9.0, WATER LOSS 8.0. LOST CIRC @ 6370' (LOST 300 BBLS).

Daily Operations Report

Well:	JICARILLA "E" #8-E	Objective:	DRILL & COMPLETE GAS WELL
Field:	JICARILLA	Job Type:	D&C
County:	RIO ARRIBA	AFE #:	755
State:	NM	WI:	0.00% AFE Amount: \$375,000.00
District:	West	NRI:	0.00% Cost To Date: \$395,274.00

Date 7/2/94 Daily Cost \$8,052.00

TD = 7126, MADE 562' @ 24' PER HR. DEVIATION SURVEY: 6977 - 3/4 DEG. MUD ST 8.8, VIS 68, Ph 9.0, WATER LOSS 7.0. LOST 200 BBLs @ 6924' & 150 BBLs @ 7022'. NEVER DID LOSE TOTAL RETURNS.

Date 7/3/94 Daily Cost \$11,988.00

TD = 7526', MADE 400' @ 27' PER HR. DEVIATION SURVEY: 7504 - 1 DEG. MUD WT 8.9, VIS 65, Ph 9.0, WATER LOSS 7.0. CURRENT OPERATION - MAKING BIT TRIP.

Date 7/4/94 Daily Cost \$15,122.00

TD = 7760', MADE 234 @ 10' PER HR. MUD WT 9.0, VIS 60, Ph 9.0, WATER LOSS 6.4.

Date 7/5/94 Daily Cost \$5,636.00

TD = 7782, MADE 22', PRESENT OPERATION - POOH W/MAGNET. DEVIATION SURVEY: 9.0, VIS 60, Ph 9.5, WATER LOSS 7.0. POOH W/ BIT, LOST 3 CONES OFF OF HIT. TIH & REAM 70'. POOH, PICKED UP MAGNET & TIH. CIRC & FISH FOR CONES. STARTED OUT OF HOLE W/ MAGNET.

Date 7/6/94 Daily Cost \$2,852.00

TD = 7882' MADE 100' @ 7' PER HOUR. MUD WT. 8.9, VIS 82, PH 9.0, WATER LOSS 6.0. FINISH POOH WITH MAGNET. HAD MOST OF THE CONES. PICK UP BIT AND TIH AND WASH PAST REMAINING JUNK AND RESUME DRLG.

Date 7/7/94 Daily Cost \$1,745.00

TD = 7900 MADE 18'. DEVIATION SURVEY - 7882' @ 1 1/4 DEGREES. MUD WT. - 9.0, VIS - 100, WL 6.0. TD WELL AT 8:00 A.M. MADE SHORT TRIP, CIRC. HOLE AND CONDITIONED MUD. TRIP OUT OF HOLE. RU SCHLUMBERGER, TIH, COULD NOT GET PAST 5721' WITH TOOLS. TOOH, RD SCHLUMBERGER, PICK UP BIT AND TIH REAM 50' ACROSS 5721'. TIH TO 7900'. WASH LAST 30', CIRC. AND CONDITION MUD AND POOH. PRESENT OPERATION - POOH WITH BIT TO RUN OPEN HOLE LOGS.

Date 7/8/94 Daily Cost \$55,874.00

TD = 7900", W/L DEPTH 7892'. MUD WT 9.0, VIS 60, Ph 9.0, WATER LOSS 6.0. FINISHED POOH, RU SCHLUMBERGER, 1ST LOG ON BOTTOM @ 1:00PM. RAN OPEN HOLE LOGS. RD SCHLUMBERGER. PICKED UP BIT & TIH. CIRC BTMS UP & POOH LAYING DN DRILL PIPE. PRESENT OPERATION - LAY DN D.C.'S

Date 7/9/94 Daily Cost \$44,808.00

TD = 7900' BY W/L 7892'. FINISHED POOH W/D.C.'S. PICKED UP 4 1/2" CSG & TIH. SHOE @ 7900'. FLOAT COLLAR @ 7882'. SHORT JT 7667 - 77. STAGE COLLAR@ 5484'. BTM 827' 11.6#, MIDDLE 6302' - 10.5#, TOP 779' -11.6#. RU CIRC & CONDITION MUD. DROP VISCOSITY OF MUD F/60 TO 45. RU DOWELL, PUMPED 1ST STAGE AS PER RECOMMENDATION. 130 SX LEAD CLASS G + 1/4#/SK D-29 + .25% D-65 + 5#/SK D-42 + 2% S-1 + 3 GAL/SK D-155, TAIL W/240# SX 65/35 G-POZ + .4% D-156 + .75% D-65 + 1/4# SK D-29 + 2.5% D-20 + 5#/SK D-42. DROPPED PLUG, DISPLACED W/FW. DID NOT BUMP PLUG. OVER DISPLACED 2 BBLs. SD, BLEED OFF PSI W/ NO FLOWBACK. DROPPED OPENING PLUG. OPENED DV TOOL & CIRC 6 HRS. FINISHED CIRC, RU DOWELL. PUMPED 2ND STAGE AS PER RECOMMENDATION. CIRC 60 SX OFF OF DV TOOL. PUMPED 516 SX CLASS G + 1/4#/SX D-29 + .25% D-65 + 5#/SK D-42 + 2% S-1 + 3 GAL/SK D-155, TAIL W/110 SX 10-1 RFC. DROPPED PLUG, DISPLACED W/FW, BUMP PLUG. CLOSED DV TOOL. BLEED OFF PSI W/NO FLOW BACK. ND BOP, MADE CUT-OFF, LANDED TREE & TESTED(CIRC 150 SX LEAD CMR TO SURFACE). RD 4 CORNERS RIC #3. MOVED TO JIC "E" 7-E.

Date 7/11/94 Daily Cost \$3,689.00

MIRU WSU, PICKED UP BIT & D.C.'S & TIH. WORKED ON PICKING UP TBG. TAGGED CMT @ 5390'. DRILLED DOWN TO DV TOOL @ 5482'. SDON.

Date 7/12/94 Daily Cost \$3,833.00

OPEN WELL, DRILL OUT DV TOOL @ 5482' AND TEST CSG. 2000#. FINISH TIH, TAG CMT. @ 7740' DRILL DOWN TO FLOAT COLLAR @ 7882'. TEST CSG. 2000#. CIRC. 2% KCL AND POOH WITH 50 STDS TBG. SION

Date 7/13/94 Daily Cost \$1,220.00

FINISHED POOH W/ BIT - LAY DN DC'S. SDON.

Daily Operations Report

Well: JICARILLA "E" #8-E

Objective: DRILL & COMPLETE GAS WELL

Field: JICARILLA

Job Type: D&C

County: RIO ARRIBA

AFE #: 755

State: NM

WI: 0.00%

AFE Amount: \$375,000.00

District: West

NRI: 0.00%

Cost To Date: \$395,274.00

Date7/14/94

Daily Cost\$7,573.00

OPEN WELL, RIG UP SCHLUMBERGER - TIH TO PBTD @ 7848'. RAN CET & CBL F/7848' TO 6894'. PICKED UP HOLE. RAN CET & CBL F/5978 TO 4894'. RAN CBL ONLY F/4894' TO 2382'. POOH. RD SCHLUMBERGER. SDON.

Date7/15/94

Daily Cost\$3,753.00

OPEN WELL, PU BIT & DC'S & TIH - DRILL OUT F/7848' TO 7876'. POOH. RU SLUMBERGER & TIH. SHOT 8 PERFS @ 7870' & 7871', 4 SHOTS PER FT. POOH. CLOSED BLIND RAMS. PSI UP 2000#. LOST 150# IN 8 MIN. UNABLE TO PUMP INTO SQUEEZE HOLES. RD SCHLUMBERGER. SDON.

Date7/16/94

Daily Cost\$9,048.00

OPEN WELL - NO PSI. RU SCHLUMBERGER W/L & TIH W/CAST IRON BRIDGE PLUG. SET @ 7865'. POOH PU DUMP BAILER & DUMP 10' CMT ON TOP. TESTED CSG 2000#(OK). POOH. PU PERF GUNS. PERFORATE 1 SPF @ 7643', 7645', 46', 47', 48', 7754', 55', 56', 7763', 64' 65', 66', 7801', 02', 03'(15 HOLES). RD SCHLUMBERGER, PU 4 1/2" PKR, RBP & COLLAR LOCATION. TIH SET RBP @ 7825'. SPOTTED 2 BBLS ACID ACROSS PERFS. PU & SET PACKER @ 7791'. RU DOWELL ACIDIZED PERFS, 7801' - 03' W/250 GALS 7 1/2% HCL ACID. BROKE DN @ 2500#, 2.5 BPM @ 1960# - NO COMMUNICATION - MOVED TOOLS, SET RBP @ 7780 & PKR @7771'. TESTED TOOLS 2000#. PU PKR SET @ 7701'. ACIDIZED PERFS 7754 - 66' W/525 GALS 7 1/2% HCL ACID. BROKE DN @ 1650#, 3.5 BPM @ 2100# - NO COMMUNICATION - MOVED TOOLS. SET RBP @ 7706' & PKR @ 7671'. TESTED TOOLS 2000#, PU PKR SET @ 7613'. ACIDIZED 7643-48' W/400 GALS-7 1/2 % HCL ACID. BROKE DN @ 2220'. 35 BPM @ 2300# - NO COMMUNICATION - MOVED TOOLS, SET RBP @ 7825' & PKR @ 7613', REVERSE 50 BBLS. SET PKR-SDON

Date7/17/94

Daily Cost\$1,502.00

OPEN WELL-NO PSI. FISHED SPOT CONTROL VALVE. MADE 4 SWAB RUNS. RECOVERED 30 BBLS- WELL FLOWING. FLOWED WELL, 100# TBG PSI - RECOVERED 20 BBLS. TOTAL BBLS RECOVERED: 50 H2O, NO OIL. SDON.

Date7/18/94

Daily Cost\$2,013.00

1800# PBG PSI. FLOWED WELL THROUGH 1/2" CHOKE. TBG PSI 100#. RECOVERED 6 BBLS OIL, NO H2O.

Date7/19/94

Daily Cost\$3,394.00

TBG PSI 1750# PSI. BLEDED OFF 32" VALVE, RELEASED PKR. KILLED WELL. TIH RETRIEVED RBP. POOH W/TOOL. SDON.

Date7/20/94

Daily Cost\$60,211.00

MIRU WESTERN TO FRAC. PREP FRAC FLUIDS, FRAC WEL AS PER PROCEDURE W/118,000# 20/40 OTTAWA SAND, PROMPT FROM 1# TO 6# PER GAL W/60 QUALITY NO AND 9700# 20/40 SUPER LC, FLUSH TO TOP OF PERF. JOB WENT AS FOLLOWS: PUMPED PREPAD 47 BBLS @ 1000# PSI. PUMPED PAD 228 BBLS @ 3650# PSI. PUMPED 63 BBLS 1# SAND @ 3520# PSI. PUMPED 70 BBLS 2# SAND @ 3490# PSI. PUMPED 76 BBLS 31# SAND @ 3420 PSI. PUMPED 114 BBLS 4# SAND @ 3600# PSI. PUMPED 110 BBLS 5# SAND @ 3520# PSI. PUMPED 52 BBLS SAND 6# SAND. CUT 8 BBLS SHORT DUE TO PSI. INCREASE WENT TO RESIN COATED SAND. PUMPED 24 BBLS(9700#) SAND KING - BROKE DN, SWITCHED TO FLUSH. PUMPED 121 BBLS FLUSH. ISIP 2210, 5 MIN 2160, 10 MIN 2150, 15 MIN 2140. RD WESTERN & TREE SAVER. HOOKED UP WELL HEAD CHOKE TO FRAC TANKS. SDON.

Date7/21/94

Daily Cost\$2,324.00

1800# PSI. 15 MIN 1/8 CHOKE ALL GAS. 15 MIN 1/4 CHOKE 0 PSI. RIH SAND LINE 7209', TAG FILL. POOH SAND LINE. RIH W/NOTCHED COLLAR TO 7209. WASHED SAND FROM 7209 TO 7464. SDON.

Date7/22/94

Daily Cost\$3,660.00

FINISH WASHING SAND 7464' TO PBTD 7855'. CIRC. CLEAN, PICK UP HOLE LAND WELLHEAD, OT 7528. 253 JT. IN HOLE, MAKE 3 SWAB RUNS WELL FLOW 200# PSI. RECOVERED 160 BBL'S H2O. RIG UP NATCO TEST SEP. 12 HR. TEST - 500 MCF, 74 H2O, 0 OIL, TBG. PSI - 400#, CSG. PSI - 800#, 1.25 PLATE ON TEST SEPARATOR WITH 100# PSI ON UNIT. 234 BBL'S TOTAL FLUID RECOVERED.

Date7/23/94

Daily Cost

TEST: TBG. PSI - 400#, CSG. PSI - 800#, MCF - 408, OIL - 0, H2O - 74.

Date7/24/94

Daily Cost

TEST: TBG PSI 375#, CSG. PSI - 600#, MCF - 433, OIL - 0, H2O - 90.

Daily Operations Report

Well:	JICARILLA "E" #8-E	Objective:	DRILL & COMPLETE GAS WELL
Field:	JICARILLA	Job Type:	D&C
County:	RIO ARRIBA	AFE #:	755
State:	NM	WI:	0.00% AFE Amount: \$375,000.00
District:	West	NRI:	0.00% Cost To Date: \$395,274.00

Date 7/25/94 Daily Cost
TEST: TBG. PSI - 250#, CSG. PSI 500#, MCF - 459, OIL - 0, H2O - 59.

Date 7/26/94 Daily Cost
TEST: TBG 250# PSI, CSG 500# PSI, 459 MCF, 42 H2O, 1 OIL.

Date 7/27/94 Daily Cost \$450.00
TEST: 384 MCF, NO OIL, 28 H2O, TBG 250#, CSG 500#. TODAY'S COST REFLECT RENTAL ON TEST EQUIPMENT.

Date 7/28/94 Daily Cost
TEST: 377 MCF, NO OIL, 32 H2O, 250# TBG, 550# CSG.