

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.

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. JIC 145
2. Name of Operator Merit Energy Company	6. If Indian, Allottee or Tribe Name Jicarilla
3. Address and Telephone No. 12222 Merit Drive, Suite 1500 Dallas, Texas 75251 214-701-8377	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 850' FNL & 1800' FEL Sec. 2 T25N R85W	8. Well Name and No. Jicarilla K #11E
	9. API Well No. 30-039-25395
	10. Field and Pool, or Exploratory Area Wildcat
	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	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Drilling</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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

RECEIVED  
JUL 21 1994  
OIL CON. DIV.  
DIST. 3

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

Signed <u>Linda Murphy</u>	Title <u>Regulatory Administrator</u>	Date <u>7/15/94</u>
(This space for Federal or State office use)		
Approved by <u>SHIRLEY MONDY</u>	Title <u>Chief, Lands and Mineral Resources</u>	Date <u>JUL 19 1994</u>
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

NMOCD

## Daily Operations Report

Well: JICARILLA "K" 11-E

Objective: DRILL & COMPLETE

Field: JICARILLA

Job Type: D&C

County: RIO ARRIBA

AFE #: 581

State: NM

WI: 50.00% AFE Amount: \$372,400.00

District: West

NRI: 43.75% Cost To Date: \$362,941.00

Date 5/30/94 Daily Cost \$14,634.00

HAULED IN H2O. BUILT LOCATION, LINED PITS, BUILT CELLAR, TOOK CARE OF SIGNS & PERMITS.

Date 5/31/94 Daily Cost \$9,335.00

TD = 343'. SPUD @ 10:30 PM MADE 343' @ 4 15 AM. DEVIATION SURVEY: 93' - 1/2 DEG, 303' - 1/4 DEG. CIRC & POOH  
- PICKED UP 8 5/8" - 24# CSG.

Date 6/1/94 Daily Cost \$12,868.00

TD = 816', MADE 473' - DRG 111' PER HR. DEVIATION SURVEY: 562' - 3/4 DEG. MUD WT 8.4, VIS 32, Ph 9.0, WATER  
LOSS 6.0. FINISHED RUNNING 8 5/8" CSG, SHOE @ 343', FLOAT COLLAR @ 298'. CIRC HOLE VOLUME. RIGGED UP  
HALLIBURTO, PUMPED, 280 SX -115.6# PER GAL STANDARD CEMENT W/2% CALCIUM CLORIDE & 1/4 # SX FLOCELX.  
DISPLACED W/FW, BUMPED PLUG W/NO FLOW BACK. WOE 4 HRS. MADE CUT OFF, WELDED SURFACE HEAD, TESTED, NU  
BOP'S & TESTED BOP'S. TIH, DRILLED OUT CMT, FLOAT COLLAR & SHOE.

Date 6/2/94 Daily Cost \$21,448.00

TD = 2457', MADE 1541' @ 83' PER HR(HAD 3 HRS - POOH & REPAIRED TRANSMISSION). DEVIATION SURVEY: 879 - 1/4  
DEG, 1338 - 3/4 DEG, 1826 - 1 1/2 DEG, 2198 - 1 1/4 DEG. MUD WT 8.9, VIS 34, Ph 9.5, WATER LOSS 8.0.

Date 6/3/94 Daily Cost \$14,466.00

TD = 3413' MADE 956' AT 51' PER HR. DEVIATION 2706' @ 1 1/2 DEG., 3194' @ 1 DEG. MUD WT 8.9 VIS 45, PH 9.5,  
WATER LOSS 8.0. CURRENTLY MAKING BIT TRIP.

Date 6/4/94 Daily Cost \$12,080.00

TD = 4200' MADE 787' AT 55' PER HR. DEVIATION 3383' @ 1 DEG, 3891' @ 1 DEG. MUD WT. 9., VIS 42, PH 9.0, WATER  
LOSS 8.0. FINISH MAKING BIT TRIP. HAD TO WASH FROM 1050 - 2167 AND 3280 - 3418'. GAS SHOWS - TOP OF  
FRUITLAND @ 3010' (3100 - 06 - COAL 120 UNITS), 3120 - 22' (COAL 140 UNITS), TOP OF P.C. @ 3168' (3168 - 80' - SAND  
100 UNITS), (3212 - 18' - COAL 80 UNITS)

Date 6/5/94 Daily Cost \$10,293.00

TD = 4805' MADE 605' AT 34' PER HOUR. DEVIATION 4390' @ 1 1/2 DEGREE, 4641' @ 2 DEGREE, MUD WT. 9.0, VIS 45,  
PH 9.0, WATER LOSS 8.0.

Date 6/6/94 Daily Cost \$8,236.00

TD = 5305, MADE 500' @ 23' PER HOUR.. DEVIATION SURVEY: 4767'-2 DEG. MUD WT 9.0, VIS 44, Ph 9.0, WATER LOSS  
8.0.

## Daily Operations Report

Well: JICARILLA "K" 11-E

Objective: DRILL & COMPLETE

Field: JICARILLA

Job Type: D&C

County: RIO ARRIBA

AFE #: 581

State: NM

WI: 50.00% AFE Amount: \$372,400.00

District: West

NRI: 43.75% Cost To Date: \$362,941.00

Date: 6/7/94 Daily Cost: \$8,503.00

TD = 5708', MADE 403' @ 20' PER HR. DEVIATION SURVEY: 5265' - 1 DEG. MUD WT 8.9, VIS 46, Ph 9.0, WATER LOSS 8.0.

Date: 6/8/94 Daily Cost: \$12,036.00

TD = 6272', MADE 564' @ 36' PER HR. MADE BIT TRIP. MUD WT 8.8, VIS 45, Ph 9.5, WATER LOSS 6.0.

Date: 6/9/94 Daily Cost: \$11,572.00

TD = 7025', MADE 753 AT 34' PER HR. DEVIATION SURVEYS 5742' AT 1 1/4 DEGREES, 6265' AT 3/4 DEGREES, 6765' AT 3/4 DEGREES. MUD WT. 9.0, VIS. 46, PH 9.0, WATER LOSS 6.0.

Date: 6/10/94 Daily Cost: \$7,399.00

TD = 7375' MADE 350 AT 23' PER HR. DEVIATION SURVEY - 7254 AT 1/4 DEGREE, MUD WT - 8.9, VIS - 48, PH - 9.0, WATER LOSS - 8.0. MAKE BIT TRIP.

Date: 6/11/94 Daily Cost: \$7,268.00

TD = 7640', MADE 386' AT 16' PER HR. MUD WT. - 9.0, VIS - 80, PH - 9.0, WATER LOSS 6.0.

Date: 6/12/94 Daily Cost: \$3,016.00

TD = 7679', SCHLUMBERGER WIRELINE TD = 7685'. MADE 39'. DEVIATION SURVEY - 7666 @ 1 DEGREE., MUD WT. - 8.8, VIS - 80, PH - 9.0, WATER LOSS - 9.0. TD 9:00 A.M., CIRC AND MAKE SHORT TRIP. CIRC. POOH, RIG UP SCHLUMBERGER, FIRST LOG ON BOTTOM AT 11:00 P.M. FOOH LOG AND RIG DN SCHLUMBERGER. TIH AND CIRC.

Date: 6/13/94 Daily Cost: \$95,380.00

TD = 7679', WIRELINE 7685'. FINISHED CIRC. POOH LAYING DN DRILL PIPE. RU CSG. CREW. PU 169 JTS. 4 1/2 CSG. 678 OF 11.6# PER FT. ON BOTTOM 6420' 10.5 # PER FT. IN MIDDLE 598' 11.6# PER FT ON TOP. FLOAT SHOOT 7679, FLOAT COLLAR 7661. 2ND STAGE DV TOOLS 6013. 3RD STAGE DV TOOLS 3021. CIRC. 2 HRS AND DROP VISCOSITY OF MUD FROM 80 BIFS TO 45 BIFS. RU DOWELL. PUMP 1ST STAGE 10 BBLS FRESH WATER, 10 BBLS F - 1, 10 BBLS FRESH WATER, 430 SXS OF 35/65 POZ/G + 2.5% D - 20 + .4% D - 156 + 5# PER SX D - 42 + 1/2# PER SX D - 29 + .15% D-65 + .2% D-46 + 2% S - 1. DROP PLUG PUMP 30 BBLS FRESH WATER + 91.8 BBLS MUD. DID NOT BUMP PLUG OVER DISPLACED 1 BBL. SHUT DN BLEED OFF PRESSURE WITH NO FLOW BACK. DROP 2ND STAGE OPENING PLUG. OPEN 2ND DV TOOL. CIRC 25 BBL (107 SX) CEMENT TO SURFACE CIRC. TOTAL OF 4 HRS. PUMP 2ND STAGE - SAME PRE-FLUSH AS 1ST STAGE. PUMP 437 SX OF LEAD 35/65 POZ/G + 6% D - 20 + 5% D - 112 + 1/4# PER SX D - 29 + 5# PER SX D - 42 + .2% D - 46 + 2% S - 1. FOLLOW WITH 270 SX TAIL 35/65 POZ/G + 2.5% D - 20 + .4% D - 156 + 5# PER SX D - 42 + 1/4# PER SX D - 29 + .15% D - 65 + 2% S - 1 + 2% D - 46. DROP PLUG DISPLACE WITH 50 BBLS FRESH WATER AND 45 BBLS MUD. BUMP PLUG. CLOSE DV TOOL WITH NO FLOW BACK. DROP 3RD STAGE. OPEN PLUG. OPEN 3RD DV TOOL. CIRC 5 BBLS LEAD CEMENT TO SURFACE (15 SX) CIRC. 4 HRS. PUMP 3RD STAGE SAME PRE-FLUSH AS 1ST & 2ND STAGES. 520 SX LEAD. 35/65 POZ/G + 6% D - 20 + 5% PER SX D - 42 + 1/4 # PER SX. D - 29 + .5% D - 42 + 2% S - 1 + .2% D - 46. FOLLOWED BY 125 SX TAIL CLASS G + 2% S - 1 + 1/4# PER SX D - 29. DROP PLUG DISPLACE 48 BBLS FRESH WATER. BUMP PLUG. CLOSE DV TOOL WITH NO FLOW BACK. CURRENT OPERATIONS - ND BOP TO SET 4 1/2 SLIP.

## Daily Operations Report

Well:	JICARILLA "K" 11-E	Objective:	DRILL & COMPLETE
Field:	JICARILLA	Job Type:	D&C
County:	RIO ARRIBA	AFE #:	581
State:	NM	WI:	50.00% AFE Amount: \$372,400.00
District:	West	NRI:	43.75% Cost To Date: \$362,941.00

Date 6/14/94 Daily Cost \$7,038.00

TD = 7679' BY WIRE LINE 7685'. FINISH NIPPLE DOWN BOP'S, SET SLIPS ON 4 1/2" CSG. MAKE CUT-OFF. RIG DN 4 - CORNERS RIG. RELEASE RIG 1:00 P.M.

Date 6/15/94 Daily Cost \$21,162.00

MIRU BIG A WELL SERVICE. PICK UP 3 7/8" BIT AND 4 D.C.'S. PICK UP 2 3/8" TBG. AND TIH. TAG CMT. @ 2930', DRILL OUT CMT. AND 3RD STAGE COLLAR @ 3021'. TEST 2500#. TIH PICKING UP TBG. TO 5500'. SDON.

Date 6/16/94 Daily Cost \$8,471.00

FINISH TIH TAG CEMENT @ 5960'. DRILL OUT DV TOOL@ 6013'. TEST TO 2500#. CONTINUE TO TIH. TAG PLUG @ 7648'. DRILL CEMENT OUT TO PLUG BACK TD 7661'. TEST TO 2500#. CIRC. HOLE WITH 2% KCL. PULL OUT OF HOLE WITH BIT. RIG UP SCHLUMBERGER. RUN CET & CBL COMBINATION FROM PLUG 7658' TO 5882'. SHUT OFF TOOL, PICK UP TO 3609'. CONTINUE WITH CET & CBL FROM 3609' TO 2185'. POOH. RIG DN SCHLUMBERGER. SDON

Date 6/17/94 Daily Cost \$8,955.00

OPEN WELL, RIG UP SCHLUMBERGER & PERF 1 SPF 7380, 81, 82, 84, 7508, 09, 10,11,12,13, 14, 15, 16, 17, 18, 20, 22, 23, 24, 25, 7540, 41, 42, 43, 44, 45, 46, TOTAL 30 HOLES. RD SCHLUMBERGER, PU 3 JTS TAIL PIPE, MODEL R PKR & TIH W/EOT @ 7549', RU BJ SERVICES SPOT 3 BBLS ACROSS PERFS. PU & REVERSE 3 BBLS. SET PKR @ 7215' W/EOT @ 7304'. PSI BACKSIDE 500#. BREAK DN PERFS @ 1115#, 25 BPM @ 1500#. PUMPED 6 BBLS SHUT DN. ISIP 800#, 5 MIN - 290#. PUMPED 45 BBLS 7 1/2 % ANTI-SLUDGE ACID. W/INHIBITORS, IRON CONTROL & NEA. DROPPING 5 BALL SEALERS EVERY 4 BBLS. BALL OUT W/40 BALL SEALERS 4300# SURGE & FLUSH TO TOP PERF. ISIP 850#, 5 MIN - 675#, 10 MIN - 577#, 15 MIN - 540#. FLOWED BACK 10 BBLS. SDON. NOTE: AVG PSI - 2500#, AVG RATE - 4.1 BPM, MINIMUM TREATING PSI 1750#, MAX TREATING PSI 4300#.

Date 6/18/94 Daily Cost \$1,539.00

O150# PSI. BEGINNING FLUID LEVEL TO SURFACE. FLOW 28 BBLS H2O TO TANK. RU SWAB TBG DRY, RECOVERED 11 BBLS. TOTAL RECOVERY AFTER ACID JAB = 49 BBLS. LOAD RECOVERY = 114 BBLS.

Date 6/19/94 Daily Cost

LEFT WELL SHUT- IN

Date 6/20/94 Daily Cost \$1,906.00

HAD 2050# ON TBG, FLOWED WELL DN W/ NO FLUID RECOVERY. MADE 4 SWAB RUNS & RECOVERED 1.5 BBLS H2O. LET WELL BUILD UP FOR 15 MIN, PSI UP TO 275#. TOOK AN 1 HR BUILD UP, PSI UP TO 660#. SDON

Date 6/21/94 Daily Cost \$2,394.00

TBG PSI 1920#. FLOWED WELL DN, NO FLUID. MADE 1 SWAB - W/NO FLUID ENTRY. RELEASED PKR & POOH. SDON

## Daily Operations Report

Well: JICARILLA "K" 11-E

Objective: DRILL & COMPLETE

Field: JICARILLA

Job Type: D&C

County: RIO ARRIBA

AFE #: 581

State: NM

WI: 50.00% AFE Amount: \$372,400.00

District: West

NRI: 43.75% Cost To Date: \$362,941.00

Date 6/22/94 Daily Cost \$53,096.00

MIRU WIT & BJ SERVICES TO FRAC DN 4 1/2" CSG AS PER RECOMMENDATION. TESTED LINES, OPENED WELL HEAD, HAD 600# PSI ON CSG. PUMPED 14 BBLS TO LOAD CSG. PUMPED 5000 GALS - PRE-PAD 25 BPM @ 2000#. 10,000 GALS PAD @ 25 BPM @ 1920#. 5000 GALS - CARRYING 1.5 TO 3.5# PER GAL, OTTAWA SAND - 25 BPM @ 1615#. 5000 GAL - CARRYING 8.5 TO 5.5# PER GAL - OTTAWA SAND - 25 BPM @ 1410#, 10,000 GALS - CARRYING 5.5 TO 5.9# PER GAL - OTTAWA SAND - 25 BPM @ 1450#, 3000 GALS - CARRYING 5.9 TO 6.0 # PER GAL - OTTAWA SAND - 25 BPM @ 1480#, 5000 GALS CARRYING 6.0# PER GAL - RESIN COAT SAND - 25 BPM @ 1550#, FLUSH TO TOP PERF W/ 112 BBLS - 10# GEL - 24.5 BPM @ 1830#. ISIP 1615#. FORCED CLOSURE - 830# IN 40 MIN. SDON.

Date 6/23/94 Daily Cost \$2,252.00

360# CSG PSI, FLOWED WELL DN THROUGH 1/4" CHOKE, RECOVERED 10 BBLS WELL DEAD IN 3 HRS. RUN SAND LINE COUNTER, TAGGED SAND @ 7090'. PICKED UP NOTCHED COLLAR & TIH. 60 STDS. SDON.

Date 6/24/94 Daily Cost \$2,197.00

OPENED WELL NO PSI. FINISHED TIH W/NOTCHED COLLAR. TAGGED SAND @ 7095' WASHED 10' BRIDGE. TIH & TAGGED SAND @ 7190'. RIGGED UP SWIVEL & REVERSE UNIT. CLEANED OUT RESIN COATED SAND F/7190' TO 7658'. CIRC HOLE CLEAN. POOH 10 STDS. SDON.

Date 6/25/94 Daily Cost \$4,347.00

OPEN WELL - NO PSI. TIH, TAGGED PBTD @ 7658'. NO SAND ENTRY. POOH W/NOTCHED COLLAR. PICKED UP 4 1/2" LOC-SET PKR W/1.81 PROFILE NIPPLE & ON/OFF TOOL. TIH, SET PKR @ 7305' W/244 JTS IN. ND BOP & LANDED TREE. HOOKED UP TEST SEPARATOR & SWABBED. MADE 5 SWAB RUNS, WELL FLOWED. RECOVERED 30 BBLS SWABBING & 45 BBLS FLOWING. MOSTLY GAS, SHUT WELL IN & HOOKED UP 20/64 TEST UNIT. TESTED WELL W/100# BACK PSI ON SEPARATOR. MOVING 125 MCF PER DAY. TBG PSI 380#. RECOVERED A TOTAL OF 25 BBLS H2O & 12 BBLS OIL(24 HR TEST).

Date 6/26/94 Daily Cost \$1,050.00

24 HR FLOW TEST: 240# TBG PSI - HOLDING 100# ON SEPARATOR. 175 MCG, 1 H2O, & 48 OIL(RECOVERED IN 24 HRS).

Date 6/27/94 Daily Cost

TEST: 300 MCF, 20 OIL, & 0 H2O. TBG PSI 200#.

Date 6/28/94 Daily Cost

TEST: 300 MCF, 20 OIL, & NO H2O. TBG PSI 200#.

Date 6/29/94 Daily Cost

TEST: 300 MCF, 20 OIL, & NO H2O. TBG PSI 200#. SI WAITING ON PRODUCTION FACILITIES.