

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1, T25N, R5W 1370 FSL and 1440 FWL	8. Well Name and No. Jicarilla K #10E
	9. API Well No.
	10. Field and Pool, or Exploratory Area Wildcat Basin 174 E
	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 Drilling
	<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 J. Murphy</u> (This space for Federal or State office use)	Title <u>Regulatory Administrator</u>	Date <u>7/1/94</u>
Approved by <u>SHIRLEY MONDY</u> Conditions of approval, if any:	Title <u>Chief, Lands and Mineral Resources</u>	Date <u>JUL 19 1994</u>

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 "K" 10-E

Objective: DRILL & COMPLETE GAS WELL

Field: JICARILLA

Job Type: D&C

County: Rio Arriba

AFE #: 673

State: NM

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

District: West

NRI: 43.75% Cost To Date: \$375,176.00

Date 5/16/94 Daily Cost \$13,877.00

HAULED IN 16 LOADS H2O. BUILT LOCATION, CELLAR LINED PITS. TOOK CARE OF PERMITS, SIGNS, & RIGHT OF WAYS.

Date 5/17/94 Daily Cost \$16,163.00

TD = 362'. DEVIATION SURVEY 122' - 3/4 DEG, 333' - 3/4 DEG. MIRU DRILLING RIG. HAULED IN H2O FOR RESERVE & STEAL PITS. DELIVERED & UNLOADED 8 5/8" & 4 1/2" CSG. SPUD WELL DRILLED TO 362', CIRC CLEAN PICK UP & RAN 362' OF 8 5/8" 24# CSG. CSG SHOE @ 362', CSG COLLAR @ 313'. RU HALLIBURTON, CMT SURFACE W/ 10 BBL SPACER, 260 SX CMT W/2% KCL, 1/4# PER SX FLOWSEAL, BUMPED PLUG W/800# PSI, CIRC 15 BBLs (71 SX) CMT TO RESERVE PIT. SI, RD HALLIBURTON, WOC.

Date 5/18/94 Daily Cost \$13,357.00

TD = 1200'. DEVIATION SURVEYS: 515' - 1 1/4 DEG, 725' - 1 1/2 DEG, 1188' - 1 1/4 DEG. MUD WT 8.5, VIS 32, Ph 9.5, WATER LOSS 10. WOC. MADE CUT-OFF & WELL HEAD, TESTED OKAY. NIPPLE UP BOP'S, TESTED OKAY. TIH W/BHA, DRILLING CEMENT, PLUG, FLOAT COLLAR, & SHOE. 9 3/4 HRS DRLG FORMATION.

Date 5/19/94 Daily Cost \$19,913.00

TD = 2750'. MUD WT 8.8, VIS 34, WL 10. DEVIATION SURVEY 1188' - 1 1/4 DEG, 1566' - 3/4 DEG, 2001' - 1/4 DEG, 2501' - 1 DEG. DRILLING, MIRU MUD LOGGERS.

Date 5/20/94 Daily Cost \$14,024.00

TD = 3694'. MUD WT 8.8, VIS 38, PH 9.5, WL 7.0. DEVIATION SURVEYS 3001' - 1/4 DEG, 3520' - 1/4 DEG. DRILLING (3/4 HRS FINISH BIT TRIP, 22 1/2 HRS - DRILL, 3/4 HRS - SURVEYS).

Date 5/21/94 Daily Cost \$12,799.00

TD = 4565'. MUD WT 9.0, VIS 40, PH 9.0, WL 7.0. DEVIATION SURVEYS 4029 - 1/2 DEG. MAKE BIT TRIP - DRILLING 55' / HR.

Date 5/22/94 Daily Cost \$9,775.00

TD = 5130'. MUD WT 9.0, VIS 42, PH 9.0, WL 7.0. DEVIATION SURVEYS 4525' - 3/4 DEG., 5004' - 1 1/4 DEG. DRILLING 43 1/2' / HR.

Date 5/23/94 Daily Cost \$8,803.00

TD = 5615'. MUD WT 9.0, VIS 37, PH 9.0, WL 7.0. DEVIATION SURVEYS: 5524 - 1 1/4 DEG. DRILLING 22' / HR.

Date 5/24/94 Daily Cost \$9,328.00

TD = 6060'. MUD WT 9.0, VIS 47, PH 9.0, WL 6.5. DEVIATION SURVEYS: 5867 - 3/4 DEG. MADE BIT TRIP. CURRENTLY DRILLING 37' / HR.

Date 5/25/94 Daily Cost \$11,069.00

TD = 6670'. DRILLING @ 28' PER HR. DEVIATION SURVEY 6124' - 1 DEG. MUD WT 9.0, VIS 44, Ph 9.5, WATER LOSS 7.5.

Date 5/26/94 Daily Cost \$10,057.00

TD = 7224'. CURRENTLY DRILLING @ 27' PER HR. DEVIATION SURVEY: 6685' - 3/4 DEG. MUD WT 9.0, VIS 45, Ph 9.0, WATER LOSS 7.5. LOST CIRC F/6695' TO 6735'.

Date 5/27/94 Daily Cost \$5,811.00

TD = 7468, MADE 244'. DEVIATION SURVEY: 7402' - 1 DEG. MUD WT 9, VIS 45, Ph 9.5, WATER LOSS 9.5. MADE TRIP.

Daily Operations Report

Well: JICARILLA "K" 10-E

Objective: DRILL & COMPLETE GAS WELL

Field: JICARILLA

Job Type: D&C

County: Rio Arriba

AFE #: 673

State: NM

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

District: West

NRI: 43.75% Cost To Date: \$375,176.00

Date 5/28/94 Daily Cost \$6,005.00

TD = 7698', DRILLING @ 10' PER HR, MADE 230'. MUD WT 9, VIS 75, Ph 9, WATER LOSS 6.

Date 5/29/94 Daily Cost \$16,043.00

TD = 7800', MADE 102'. DEVIATION SURVEY: 7800' - 3/4 DEG. WIRELINE DEPTH 7790'. TD AT 4:00 PM. MADE SHORT TRIP CIRC 2 HRS, POOH. RU SCHUMBERGER, RIH W/LOGGING TOOL. 1ST LAID ON BTM 12 AM. TRIP IN HOLE W/DRILLED PIPE TO BOTTOM & CIRC.

Date 5/30/94 Daily Cost \$14,580.00

FINISHED CIRC HOLE, POOH LAYING DRILL PIPE & COLLARS, PICKED UP. RIH W/4 1/2" PRODUCTION STRING, 14 JTS(11.6) 4 1/2" CSG-647', 144 JTS(10.5) CSG-6372', 18 JTS(11.6) CSG-781', TOTAL PIPE 7800'. CSG SHOE @ 7800'. FLOAT COLLAR @ 7751', 2ND STAGE DV TOOL @ 6001', 3RD STAGE DV TOOL @ 3006'. MIRU HALBURTON CMT TRUCKS, PUMPED 20 BBLS SUPER FLUSH, 10 BBLS FRESH H2O SPACER, 516 SX 50/50 STANDARD POZ MIX CMT W/5# SX GELSONITE, .6% HALADE 344, 2% GEL, 5% MICRO BOND HT. DROPPED PLUG, PUMPED 40 BBLS FRESH H2O, 83.7 BBLS MUD, BUMPED PLUG @ 1:15 AM, DROPPED 2ND STAGE OPENING PLUG, OPENED DV TOOL & CIRC.

Date 5/31/94 Daily Cost \$71,101.00

FINISHED CIRC 2ND STAGE TOOL. RU HALLIBURTON, PUMPED 5 BBLS FRESH H2O, 20 BBLS SUPER FLUSH, 10 BBLS FRESH H2O, 585 SX LEAD HLC W/2% CALCIUM CHLORIDE(1/4# PER SX FLOW SEAL). TAILED W/395 SX 50/50 STAND CMT W/5# PER SX GILSONITE. PUMPED .6% HALIDE, 334-2% GEL, 5% MICROBOND HT. DROPPED PLUG DISPLACED 40 BBLS FRESH H2O, NOTICED INCREASE IN PSI(FROM 800# TO 1600#), STARTED ON MUD, HAD CMT TO SURFACE, PUMPED A TOTAL OF 53 1/2 BBLS MUD, BUMPED PLUG. CLOSED 2ND STAGE DV TOOL W/ NO FLOW BACK. DROPPED OPENING PLUG FOR 3RD STAGE, TRIED TO CIRC (WOULD NOT CIRC) 3 BBLS PER MIN 1600#. BACK FLOW 5 BBLS, SWITCHED TO RIG PUMP. WAS UNABLE TO CIRC. CIRC 4 HRS. RU HALLIBURTON PUMPED 5 BBLS FRESH H2O, 20 BBLS MUD FLUSH, 10 BBLS FRESH H2O, 500 SX LEAD HLC W/2% CALCIUM CHLORIDE(1/4# PER SX FLOW SEAL). CMT TO SURFACE & STILL HAD 108 SX LEAD CMT LEFT. SWITCHED TO TEST. PUMPED 250 SX STAND CMT W/ 2% CALCIUM CHLORIDE(1/4# PER SX OF FLOW SEAL), DROPPED PLUG, DISPLACED W/FRESH H2O & PUMPED 47 1/2 BBLS. DID NOT BUMP PLUG. SD UNIT FOR 5 MIN, CHECKED CMT HEAD TO MAKE SURE PLUG WENT. PUMPED 3.5 BBLS PER MIN @ 1500#. WOULD NOT CIRC OVER, DISPLACED 3RD STAGE TOOL W/40 BBLS FRESH H2O, BUMPED PLUG W/ NO BACK FLOW(PLUG WAS HUNG UP). ND BOP'S, SET SLIP ON 4 1/2 CSG, MADE CUT OFF). RD. RELEASED RIG @ 4:00PM.

Date 6/2/94 Daily Cost \$4,430.00

MIRU BASIN WSU, PICKED UP BIT, DC'S & TIH W/2 3/8" TBG. TAGGED CMT @ 2935'. CLOSED BOP. TESTED 2500#. DRILL OUT CMT TAGGED. STAGE TOOL @ 3015' & DRILLED OUT. CLOSED BOP, TESTED 2500#. TIH & TAGED CMT @ 5930'. SDON.

Date 6/3/94 Daily Cost \$3,190.00

DRILL OUT CMT. FROM 5877' TO 5957'. HAD TROUBLE DRLG. 2ND STAGE TOOL. TOOK 6 HRS TO DRILL THRU 2ND STAGE COLLAR. CIRC. HOLE CAPACITY. SDON

Date 6/4/94 Daily Cost \$4,822.00

TIH W/BIT & TAGGED CMT @ 7700' & DRILLED OUT TO FLOAT COLLAR. PBTD @ 7743'. TESTED CSG @ 2500#, CIRC W/ 2% KCL & POOH. RU SCHLUMBERGER TO RUN CASED HOLE LOGS. STUCK @ 2ND STAGE COLLAR(5951'). GOT LOOSE, POOH(BIT IS OUT OF GAGE). TIH W/NEW BIT & REAMED OUT DV TOOLS. POOH RIGGED UP SCHLUMBERGER & RAN CASED HOLE LOGS. RUN CET & CBL COMBINATION F/7743' TO 5896' & F/3690' TO 2152' W/500# ON CSG. SDON.

Date 6/5/94 Daily Cost \$9,525.00

FINISHED RUNNING CET & CBL COMBINATION. LOSS F/3690' TO 2152'. SDON

Date 6/6/94 Daily Cost

WAITING ON ORDERS. EVALUATING CMT BOND LOGS.

Daily Operations Report

Well: JICARILLA "K" 10-E	Objective: DRILL & COMPLETE GAS WELL
Field: JICARILLA	Job Type: D&C
County: Rio Arriba	AFE #: 673
State: NM	WI: 50.00% AFE Amount: \$372,400.00
District: West	NRI: 43.75% Cost To Date: \$375,176.00

Date 6/7/94 Daily Cost \$8,305.00

MIRU SCHLUMBERGER, RAN IN HOLE & GOT ON W/L DEPTH PERFORATED AS TO PROCEDURE, 1 SPF F/ 7611 - 28 & 7655-71 W/O# PHASING. PU 3 JTS TAILPIPE, 4 1/2" MODEL R & TIH. EOT @ 7679'. RIGGED UP DOWELL & SPOTTED 2 BBLS ACID ACROSS PERFS. PU EOT @ 7554' FROM PKR @ 7460', REVERSE 1 BBL & SET PKR. BROKE DN PERFS - 2460# - 4.5 BPM @ 3200#. ISIP 1020#(5 MIN - 950#). RELEASED PKR & SPOT ACID TO END OF TBG. PUMPING 4 BPM - DROPPING & BALL SEALERS EVERY 4 BBLS ACID. SET PKR & PSI CSG 500#. TREATED @ 4 BPM @ 2130#. AVG RATE 4.6 BPM. MADE PSI - 2720#. FLUSHED TO TOP PERF. ISIP 1000#, 5 MIN - 850#, 10 MIN 820#. FLOWED BACK 15 BBLS. RIGGED UP TO SWAB - MADE 1 SWAB RUN RECOVERED 6 BBLS. ON 2ND RUN LOST SINKER BAR, RELEASED PKR & POOH. PKR STUCK @ 5952', TOOK 10,000# TO GET IT LOOSE. F/ POOH W/PKR SLIPS, GONE ON PKR. DISASSEMBLED SLIPS & PISTONS ON PKR. TIH, RAN THROUGH PERFS, KNOCKING BALL SEALERS OFF. POOH W/PKR. HAD TO MAKE TRIP BECAUSE PLUG WOULD NOT RELEASE DUE TO SWAB & SINKER BAR IN SEAT NIPPLE. SDON

Date 6/8/94 Daily Cost \$71,760.00

MIRU DOWELL TO FRAC DN 4 1/2" CSG AS PER FRAC RECOMENDATION. TESTED LINES & HAD SAFETY MEETING. START PRE-PAD, TOOK 18 BBLS TO LOAD 24 BBLS PER MIN @ 2200#. PRE - PAD 18 BBLS PER MIN & 5.4 BBLS PER MIN - CO2 = 2480#(128 BBLS). PAD 18 BBLS PER MIN & 5.4 BBLS PER MIN CO2 = 2480#(382 BBLS). PUMPED 684 BBLS 40# GEL CARRYING 121,000# 20/40 OTTAWA & TAILING W/33,000# 20/40 RESIN COATED SAND. RAMPED SAND FROM 2# TO 6# PER GAL. PUMPED 82 TONS CO2. AVG RATE 18.7 BBLS PER MIN + 4.6 BBLS PER MIN CO2. AVG TREATING PSI 2200#. MAX TREATING PSI 2480#. LOWEST PSI 1760#. ISIP 1750#. 5 MIN 1681#. 10 MIN 1672#. 15 MIN 1663#. SD ON. C RIG DN DOWELL.

Date 6/9/94 Daily Cost \$2,041.00

OPEN WELL HEAD 920#. RIG UP, CHOKE WITH 1/4" SEAT. FLOW WELL FROM 920# TO 120#, RECOVERED 11 BBLS. FLUID.

Date 6/10/94 Daily Cost \$3,565.00

OPEN WELL - HAD 820#. LEAVE CHOKE SEAT OUT FLOWING 50 BBLS. PER HR THRU 1.5 ID CHOKE @ 80# FOR 2 HRS. PUT 3/4" CHOKE SEAT IN FLOWING 40 BBLS PER HR @ 260# FOR 3 HRS. CHANGE CHOKE SEAT TO 3/8" FLOWING 20 BBLS PER HR @ 760#. AT 3:00 AM PSI STARTED COMING DOWN FLUID RECOVERY WENT TO 5 BBLS PER HR. CHANGE CHOKE SEAT TO 1/2" @ 8:00 AM 6/11/94. RECOVERED 230 BBLS FLUID OIL.

Date 6/11/94 Daily Cost \$3,192.00

RECOVERING 3 BBLS PER HR. ON 1/2" CHOKE @ 160#. TAKE SEAT OUT FLOWING 10 BBLS PER HR. @ 80#. RECOVERED TOTAL OF 85 BBLS. 0 BBLS OIL.

Date 6/12/94 Daily Cost \$1,323.00

WELL FLOWING 2 BBLS. PER HR @ 80# ON 1 1/2" SEAT. TOTAL OF 8 BBLS WELL DEAD. LEAVE OPEN TO SWAB TANK. WILL RUN PACKERS FIRST THING MONDAY A.M. AFTER FRAC TOTAL RECOVERY IS 323 BBLS.

Date 6/13/94 Daily Cost \$4,174.00

LEFT WELL OPEN TO SWAB TANK. WELL GASING. RUN SAND LINE TO TAG FILL. DO NOT HAVE ENOUGH SAND LINE TO REACH BELOW PERFS. POOH WITH SAND LINE. PU 4 1/2" LOC SET PACKER WITH 1.81 PROFILE NIPPLE AND ON & OFF TOOL. TRIP IN HOLE, TAG FILL AT 7664' (7PERFS COVERED). PU SET PACKER AT 7549' WITH 140 JTS IN. NIPPLE DN BOP LAND TREE. SHUT WELL IN AND RU KIVA MEASURING SEPARATOR. OPEN WELL AT 7:30 P.M. 1664 CHOKE WITH 1085# ON TBG. AT 1:30 A.M. 195# TBG. PRESSURE. AVERAGE MCF ON 1664 CHOKE 768 PER DAY WITH AVERAGE TBG. PRESSURE 550#. 0 OIL AND 0 WATER RECOVERED. CHANGED CHOKE TO 2464 AVERAGE TBG. PRESSURE 170#. MOVING AVERAGE OF 570 MCF PER DAY. RECOVERED 1/2 BBL WATER AND 1/2 BBL OIL. SHUT WELL IN. WAITING ON GCNM TO TAP LINE.

Date 6/17/94 Daily Cost

RU KIVA TO FLOW TEST WELL TO DECREASE CO2 CONTENT. 1665# TBG PSI, IN 4 HRS - TBG PSI WAS 420#, 1.4 MCF PER DAY. NO FLUID ON 24/64 TBG CHOKE W/1/5 ORIFICE PLATE. SDON

Date 6/18/94 Daily Cost

RECOVERED 5 BBLS H2O, 182# TBG PSI, SEPARATOR PSI 101#. 640 MCF, 1.5 ORIFICE ON 24/64 TBG CHOKE.SDON

Date 6/19/94 Daily Cost \$3,072.00

RECOVERED 3 OIL & 3 H2O, 135# TBG PSI. 101# PSI ON SEPARATOR, 481 MCF PER DAY. 1.6 ORIFICE PLATE ON 24/64 CHOKE. GOT GAS SAMPLES & SHUT WELL IN.

Daily Operations Report

Well: JICARILLA "K" 10-E

Objective: DRILL & COMPLETE GAS WELL

Field: JICARILLA

Job Type: D&C

County: Rio Arriba

AFE #: 673

State: NM

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

District: West

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