



### OPERATIONS LOG

COMPANY: CIMAREX ENERGY  
LEASE: STATE 14 COM # 1 30-015-22747  
FIELD (FORMATION): (ATOKA / MORROW)  
COUNTY: EDDY  
STATE: NM

TEST TYPE: PACKER LEAKAGE

ENGINEER: MANUEL CABEZUELA  
FIELD REP:  
JOB RUN BY: T. LEGRENDRE/F. COONCE  
DATA PREPARED BY: JOSE ALMENGOR  
INSTRUMENT: 2 PEN RECORDER

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 70273
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12/20/05 01:30:00 PM			ARRIVED ON LOCATION / WELL HAD BEEN SHUT IN ON 12-19-2005 AT 9:00 AM BY COMPANY REP.
12/20/05 01:45:00 PM			RIGGED UP TWO-PEN RECORDER
12/20/05 02:00:00 PM	70		MEASURED PRESSURE FROM ATOKA ZONE
12/20/05 02:05:00 PM	600		MEASURED PRESSURE FROM MORROW ZONE
12/20/05 02:30:00 PM			OPENED MORROW ZONE TO FLOW W/O CHOKE / BEGAN FLOW TEST 1
12/21/05 01:00:00 PM			ON LOCATION
12/21/05 01:15:00 PM	2		MEASURED PRESSURE FROM ATOKA ZONE
12/21/05 01:30:00 PM	4		MEASURED PRESSURE FROM MORROW ZONE
12/21/05 02:45:00 PM			RIGGED DOWN RECORDER / END OF TEST

**NEW MEXICO OIL CONSERVATION DIVISION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST**

Revised June 9, 2003

Operator CIMAREX ENERGY CO. Lease STATE '14' COM Well No. 1  
Location Of Well: Unit E Section 14E Township 19 Range 29 County EDDY

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow Art. Lift)	Prod. Medium (Tbg. Or Cag.)	Choke Size
Upper Completion	ATOKA	GAS	FLOW	CSG	F/O
Lower Completion	MORROW	GAS	FLOW	TBG	F/O

**FLOW TEST NO. 1**

Both zones shut-in at (hour, date): 9:00 AM, 12/19/2005

	<u>Upper Completion</u>	<u>Lower Completion</u>
Well opened at (hour, date): <u>2:15 PM, 12/20/2005</u>		
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>70</u>	<u>600</u>
Stabilized? (Yes or No).....	<u>YES</u>	<u>YES</u>
Maximum pressure during test.....	<u>70</u>	<u>600</u>
Minimum pressure during test.....	<u>2</u>	<u>4</u>
Pressure at conclusion of test.....	<u>2</u>	<u>4</u>
Pressure change during test (Maximum minus Minimum).....	<u>68</u>	<u>596</u>
Was pressure change an increase or a decrease?.....	<u>DECREASE</u>	<u>DECREASE</u>
Well closed at (hour, date): <u>1:00 PM, 12/21/2005</u>	<u>Total Time On Production</u>	<u>22.75 hrs</u>
Oil Production	<u>Gas Production</u>	
During Test: <u>0</u> bbls; Grav. <u>N/A</u>	During Test: <u>32</u> MCF; GOR <u>N/A</u>	

Remarks: \_\_\_\_\_

**FLOW TEST NO. 2**

	<u>Upper Completion</u>	<u>Lower Completion</u>
Both zones shut-in at (hour, date): _____		
Well opened at (hour, date): _____		
Indicate by (X) the zone producing.....		
Pressure at beginning of test.....		
Stabilized? (Yes or No).....		
Maximum pressure during test.....		
Minimum pressure during test.....		
Pressure at conclusion of test.....		
Pressure change during test (Maximum minus Minimum).....		
Was pressure change an increase or a decrease?.....		
Well closed at (hour, date): _____	<u>Total Time On Production</u>	
Oil Production	<u>Gas Production</u>	
During Test: _____ bbls; Grav. _____	During Test: _____ MCF; GOR _____	

Remarks: \_\_\_\_\_