



OPERATIONS LOG

COMPANY: CIMAREX ENERGY
LEASE: GULF FED # 2
FIELD (FORMATION): (STRAWN / MORROW)
COUNTY: EDDY
STATE: NM

30-015-20545

RECEIVED
JAN 09 2006
OUD-ANTEGIA

TEST TYPE: PACKER LEAKAGE

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

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 70272
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12/20/05 10:00:00 AM			ARRIVED ON LOCATION / WELL HAD BEEN SHUT-IN ON 12-19-2005 AT 9:00 AM BY COMPANY REP.
12/20/05 10:30:00 AM			RIGGED UP TWO-PEN AND SINGLE-PEN RECORDERS
12/20/05 10:40:00 AM	656		MEASURED PRESSURE FROM STRAWN ZONE
12/20/05 10:50:00 AM	603		MEASURED PRESSURE FROM MORROW ZONE
12/20/05 11:00:00 AM			OPENED MORROW ZONE TO FLOW W/O CHOKE / BEGAN FLOW TEST 1
12/21/05 10:15:00 AM			ON LOCATION
12/21/05 10:30:00 AM	667		RECORDED PRESSURE READING FROM STRAWN ZONE
12/21/05 10:45:00 AM	67		RECORDED PRESSURE READING FROM MORROW ZONE
12/21/05 11:15:00 AM			SHUT IN MORROW ZONE
12/22/05 11:15:00 AM			ON LOCATION
12/22/05 11:20:00 AM	638		RECORDED PRESSURE READING FROM STRAWN ZONE
12/22/05 11:25:00 AM	577		RECORDED PRESSURE READING FROM MORROW ZONE
12/22/05 11:30:00 AM			OPENED STRAWN ZONE TO FLOW W/O CHOKE / BEGAN FLOW TEST 2
12/23/05 09:45:00 PM			ON LOCATION
12/23/05 09:50:00 PM			RECORDED PRESSURE READING FROM STRAWN ZONE
12/23/05 09:55:00 PM			RECORDED PRESSURE READING FROM MORROW ZONE
12/23/05 10:00:00 PM			RIGGED DOWN RECORDERS / END OF TEST

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

Revised June 9, 2003

Operator CIMAREX ENERGY CO. Lease GULF FED. Well No. 2
Location Of Well: Unit L Section 6 Township 23S Range 27E 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	STRAWN	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

	Upper Completion	Lower Completion
Well opened at (hour, date): <u>11:00 AM, 12/20/2005</u>		
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	680	600
Stabilized? (Yes or No).....	YES	YES
Maximum pressure during test.....	700	600
Minimum pressure during test.....	680	240
Pressure at conclusion of test.....	700	240
Pressure change during test (Maximum minus Minimum).....	20	360
Was pressure change an increase or a decrease?.....	INCREASE	DECREASE
Well closed at (hour, date): <u>11:15 AM, 12/21/2005</u>	Total Time On Production <u>24.25 hrs</u>	
Oil Production	Gas Production	
During Test: <u>0</u> bbls; Grav. <u>N/A</u> ;	During Test <u>75</u> MCF; GOR <u>N/A</u>	

Remarks: _____

FLOW TEST NO. 2

Both zones shut-in at (hour, date): 11:15 AM, 12/21/2005

	Upper Completion	Lower Completion
Well opened at (hour, date): <u>11:30 AM, 12/22/2005</u>		
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	665	240
Stabilized? (Yes or No).....	YES	NO
Maximum pressure during test.....	665	600
Minimum pressure during test.....	20	240
Pressure at conclusion of test.....	20	360
Pressure change during test (Maximum minus Minimum).....	680	90
Was pressure change an increase or a decrease?.....	DECREASE	INCREASE
Well closed at (hour, date): <u>10:00 AM, 12/23/2005</u>	Total Time On Production <u>24.25 hrs</u>	
Oil Production	Gas Production	
During Test: <u>0</u> bbls; Grav. <u>N/A</u> ;	During Test <u>14</u> MCF; GOR <u>N/A</u>	

Remarks: _____